Full wwPDB NMR Structure Validation Report (i)

Nov 7, 2023 – 08:47 AM EST

PDB ID	:	2M5B
BMRB ID	:	19045
Title	:	The NMR structure of the BID-BAK complex
Authors	:	Moldoveanu, T.; Grace, C.R.; Kriwacki, R.W.; Green, D.R.
Deposited on	:	2013-02-19

This is a Full wwPDB NMR Structure Validation Report for a publicly released PDB entry.

We welcome your comments at *validation@mail.wwpdb.org*
A user guide is available at
https://www.wwpdb.org/validation/2017/NMRValidationReportHelp
with specific help available everywhere you see the (i) symbol.

The types of validation reports are described at
http://www.wwpdb.org/validation/2017/FAQs#types.

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

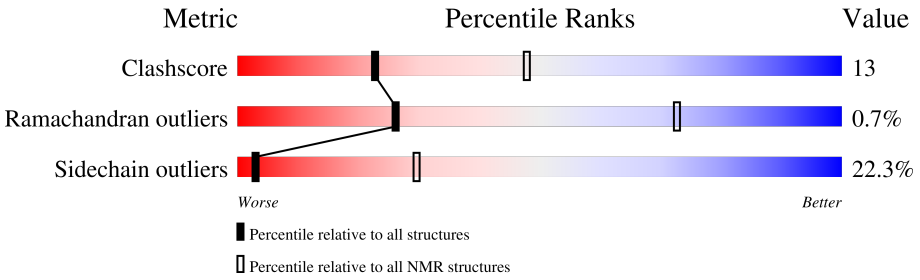
Cyrange	:	Kirchner and Güntert (2011)
NmrClust	:	Kelley et al. (1996)
MolProbity	:	4.02b-467
Mogul	:	1.8.5 (274361), CSD as541be (2020)
Percentile statistics	:	20191225.v01 (using entries in the PDB archive December 25th 2019)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints Analysis	:	v1.2
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.36

1 Overall quality at a glance (i)

The following experimental techniques were used to determine the structure:
SOLUTION NMR

The overall completeness of chemical shifts assignment is 80%.

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



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

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

Mol	Chain	Length	Quality of chain
1	A	169	53% 30% · 15%
2	B	23	43% 30% · 22%

2 Ensemble composition and analysis

This entry contains 20 models. Model 13 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative, based on the following criterion: *fewest violations*.

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

Well-defined (core) protein residues			
Well-defined core	**Residue range (total)**	**Backbone RMSD (Å)**	**Medoid model**
1	A:22-A:45, A:66-A:184, B:81-B:91, B:93-B:95, B:98-B:101 (161)	0.62	13

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

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

The models can be grouped into 2 clusters and 1 single-model cluster was found.

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

3 Entry composition (i)

There are 2 unique types of molecules in this entry. The entry contains 2783 atoms, of which 1268 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Bcl-2 homologous antagonist/killer.

Mol	Chain	Residues	Atoms						Trace
			Total	C	H	N	O	S	
1	A	169	2440	850	1103	234	248	5	0

- Molecule 2 is a protein called human_BID_BH3_SAHB.

Mol	Chain	Residues	Atoms					Trace
			Total	C	H	N	O	
2	B	23	343	111	165	35	32	1

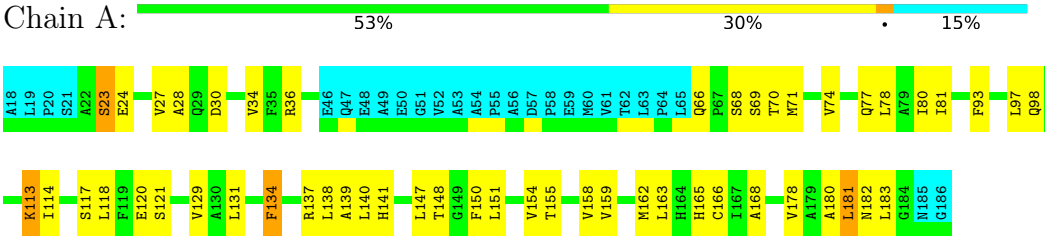
4 Residue-property plots

4.1 Average score per residue in the NMR ensemble

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

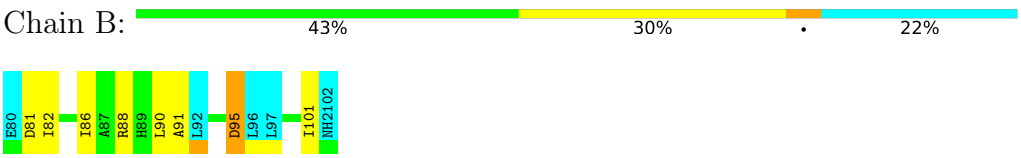
• Molecule 1: Bcl-2 homologous antagonist/killer

Chain A:



• Molecule 2: human_BID_BH3_SAHB

Chain B:



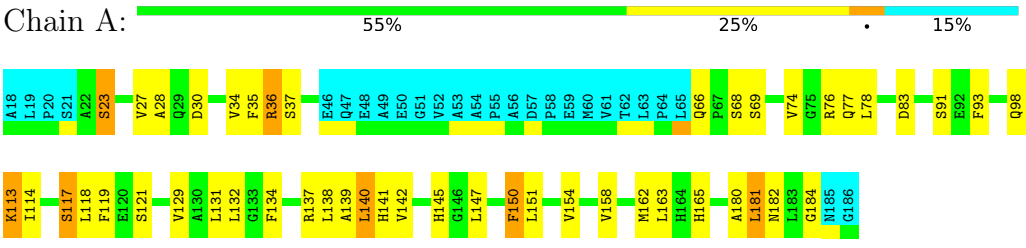
4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

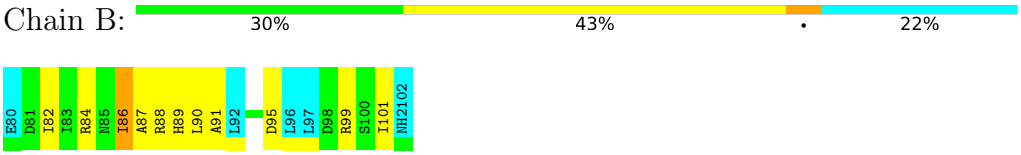
• Molecule 1: Bcl-2 homologous antagonist/killer

Chain A:



• Molecule 2: human_BID_BH3_SAHB

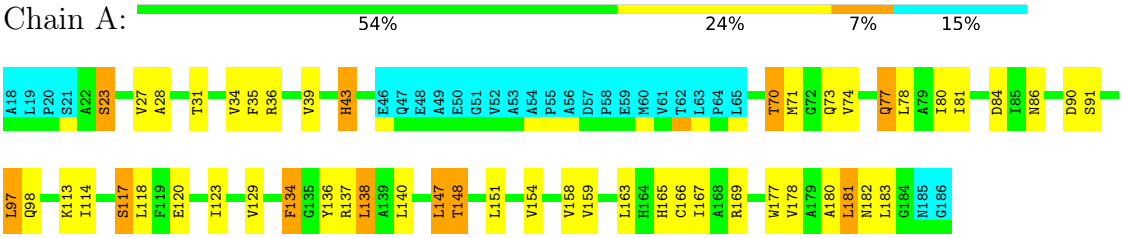
Chain B:



4.2.2 Score per residue for model 2

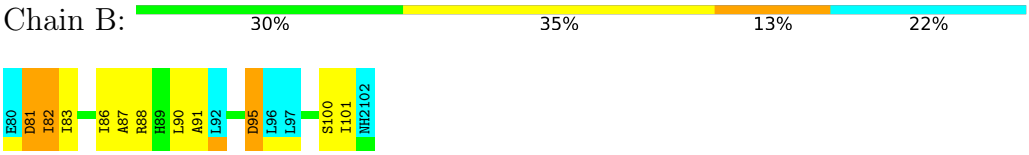
• Molecule 1: Bcl-2 homologous antagonist/killer

Chain A:



• Molecule 2: human_BID_BH3_SAHB

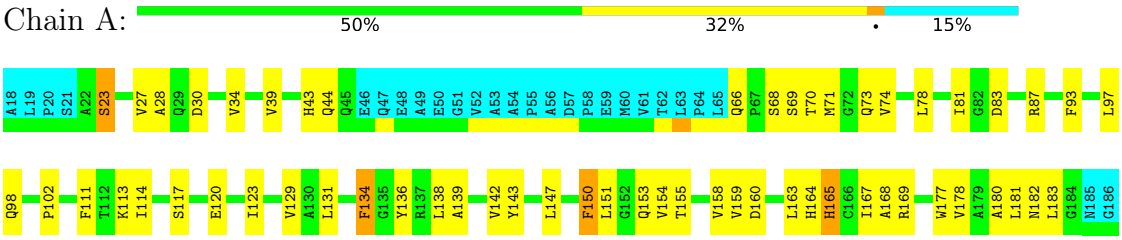
Chain B:



4.2.3 Score per residue for model 3

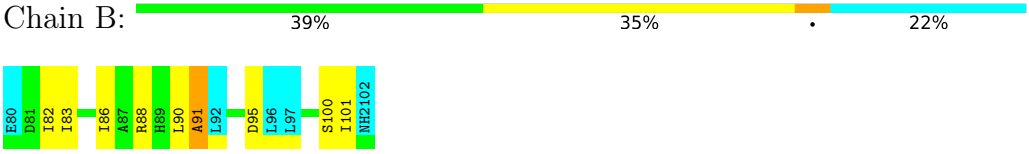
• Molecule 1: Bcl-2 homologous antagonist/killer

Chain A:



• Molecule 2: human_BID_BH3_SAHB

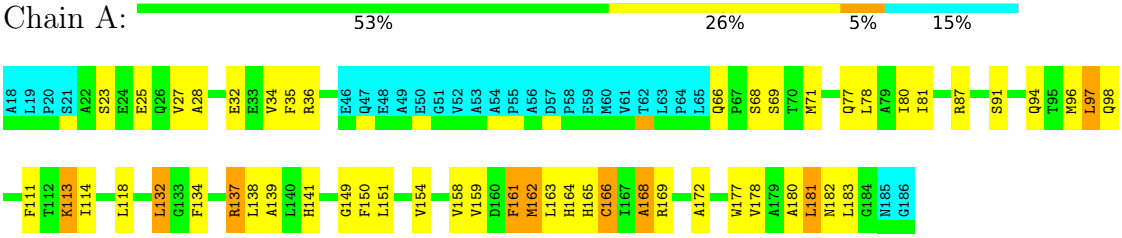
Chain B:



4.2.4 Score per residue for model 4

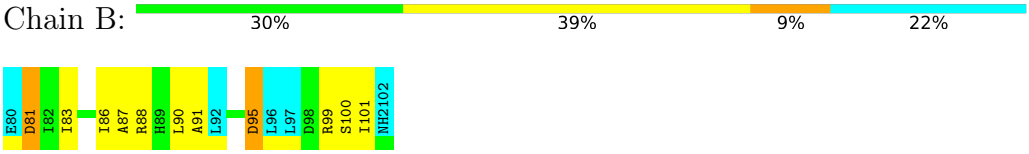
• Molecule 1: Bcl-2 homologous antagonist/killer

Chain A:



• Molecule 2: human_BID_BH3_SAHB

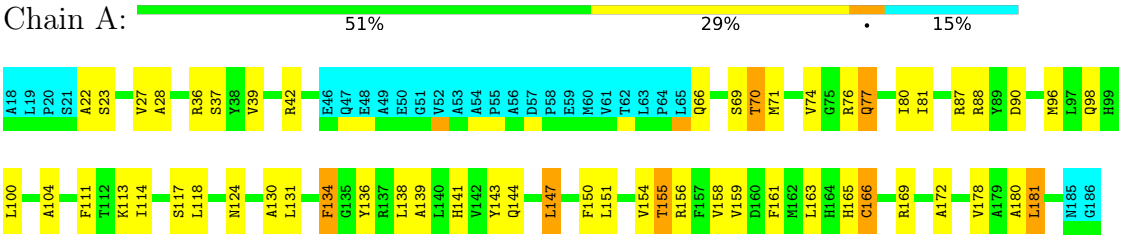
Chain B:



4.2.5 Score per residue for model 5

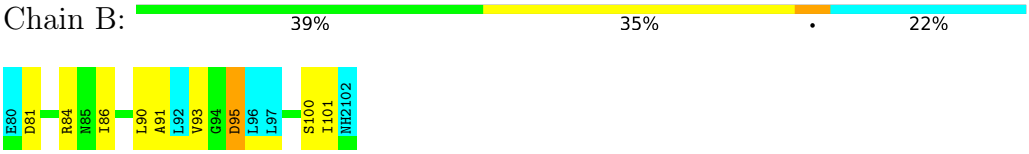
• Molecule 1: Bcl-2 homologous antagonist/killer

Chain A:



• Molecule 2: human_BID_BH3_SAHB

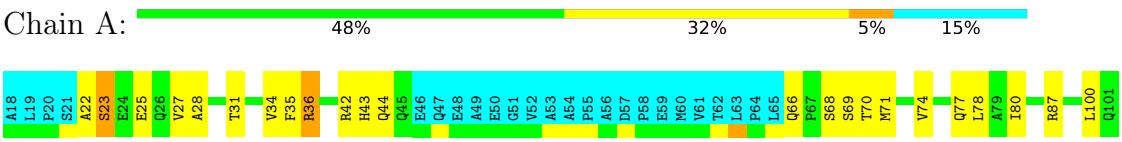
Chain B:

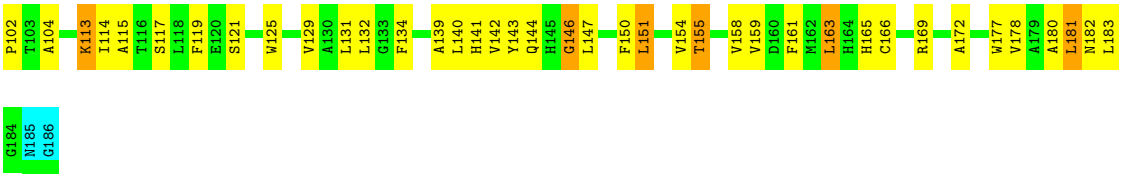


4.2.6 Score per residue for model 6

• Molecule 1: Bcl-2 homologous antagonist/killer

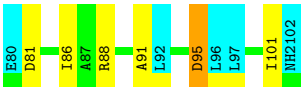
Chain A:





• Molecule 2: human_BID_BH3_SAHB

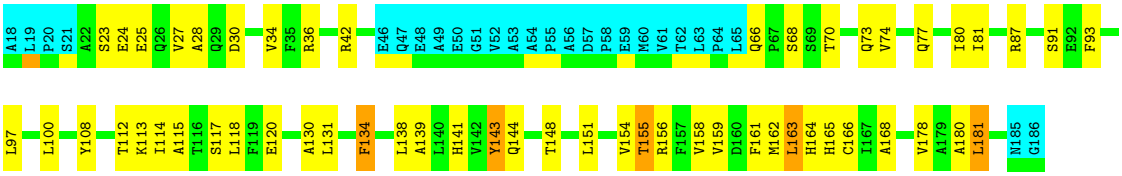
Chain B:



4.2.7 Score per residue for model 7

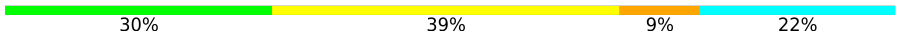
• Molecule 1: Bcl-2 homologous antagonist/killer

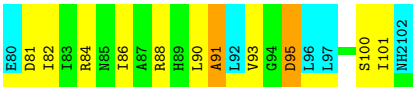
Chain A:



• Molecule 2: human_BID_BH3_SAHB

Chain B:

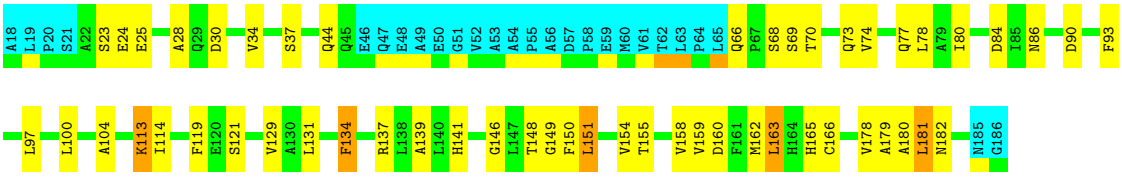




4.2.8 Score per residue for model 8

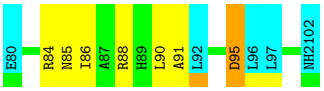
• Molecule 1: Bcl-2 homologous antagonist/killer

Chain A:



• Molecule 2: human_BID_BH3_SAHB

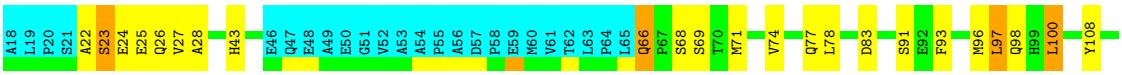
Chain B:



4.2.9 Score per residue for model 9

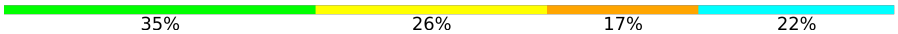
• Molecule 1: Bcl-2 homologous antagonist/killer

Chain A:



• Molecule 2: human_BID_BH3_SAHB

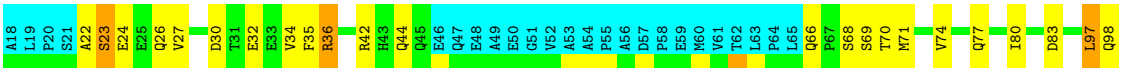
Chain B:



4.2.10 Score per residue for model 10

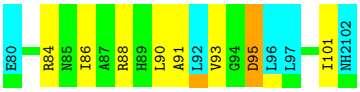
• Molecule 1: Bcl-2 homologous antagonist/killer

Chain A:



• Molecule 2: human_BID_BH3_SAHB

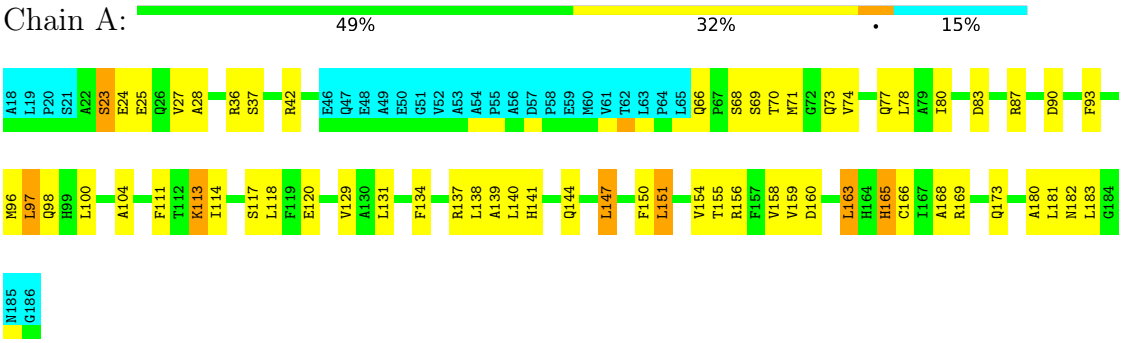
Chain B:



4.2.11 Score per residue for model 11

• Molecule 1: Bcl-2 homologous antagonist/killer

Chain A:



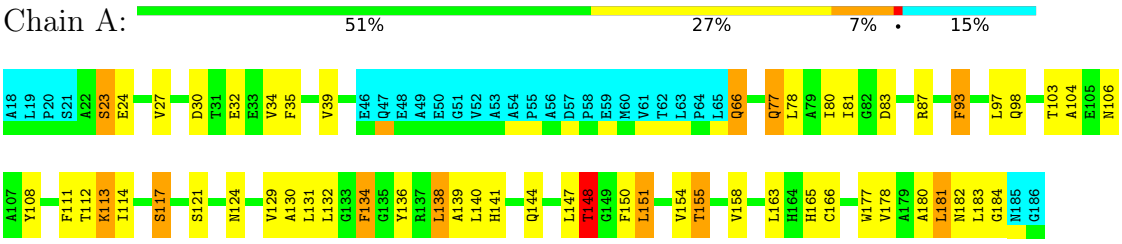
• Molecule 2: human_BID_BH3_SAHB

Chain B:

4.2.12 Score per residue for model 12

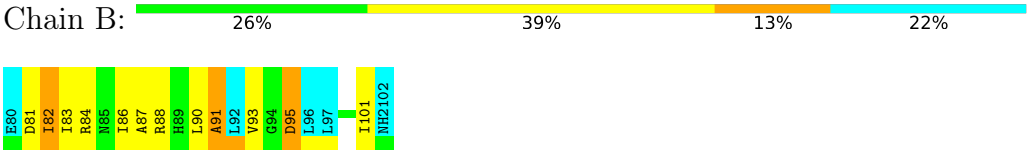
• Molecule 1: Bcl-2 homologous antagonist/killer

Chain A:



• Molecule 2: human_BID_BH3_SAHB

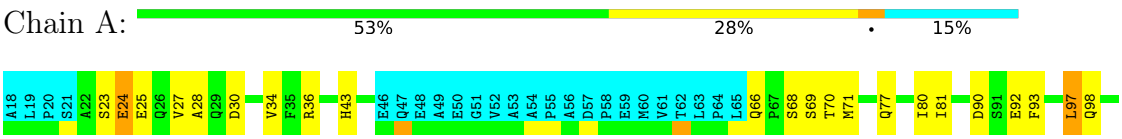
Chain B:

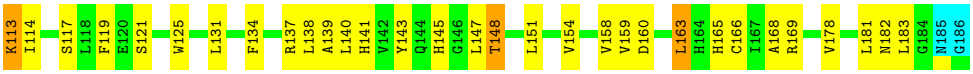


4.2.13 Score per residue for model 13 (medoid)

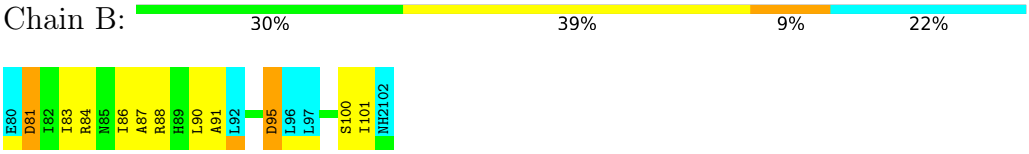
• Molecule 1: Bcl-2 homologous antagonist/killer

Chain A:



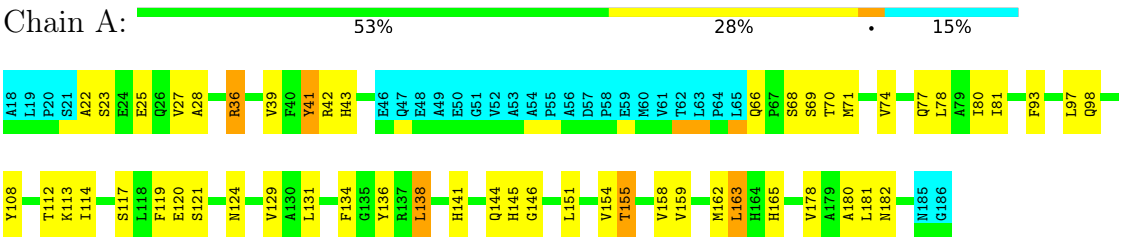


• Molecule 2: human_BID_BH3_SAHB



4.2.14 Score per residue for model 14

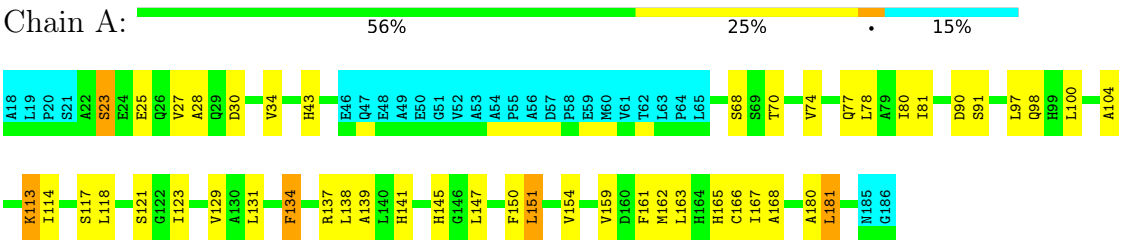
• Molecule 1: Bcl-2 homologous antagonist/killer



• Molecule 2: human_BID_BH3_SAHB

4.2.15 Score per residue for model 15

• Molecule 1: Bcl-2 homologous antagonist/killer

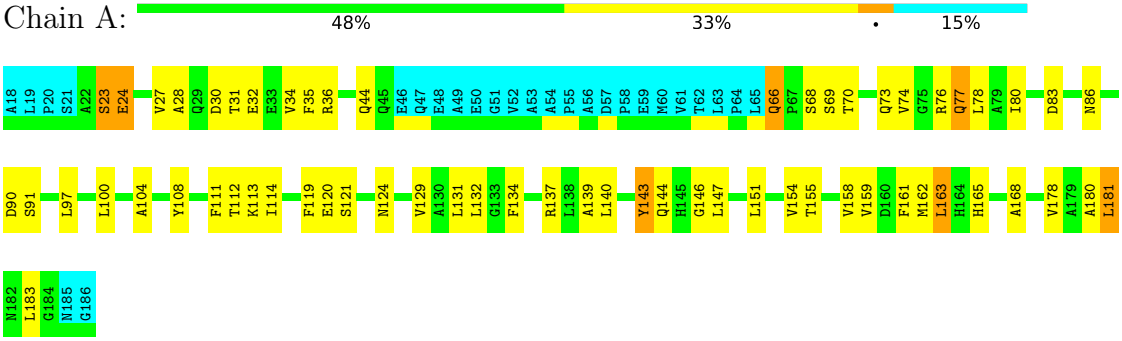


• Molecule 2: human_BID_BH3_SAHB

4.2.16 Score per residue for model 16

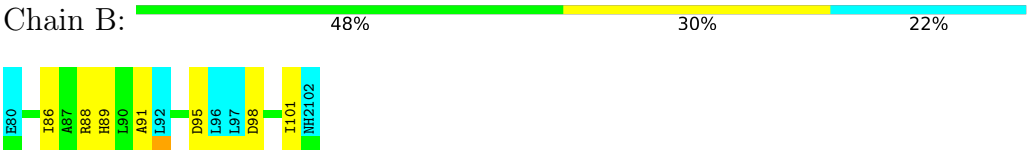
• Molecule 1: Bcl-2 homologous antagonist/killer

Chain A:



• Molecule 2: human_BID_BH3_SAHB

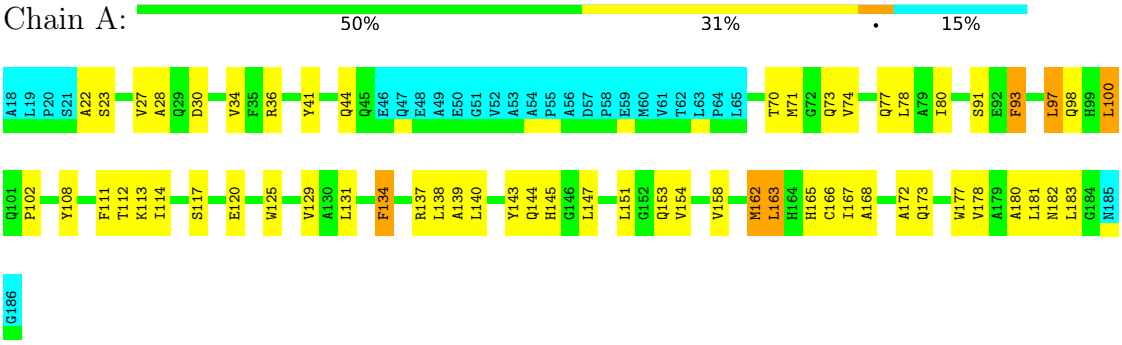
Chain B:



4.2.17 Score per residue for model 17

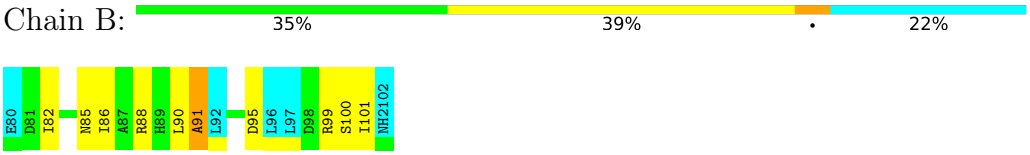
• Molecule 1: Bcl-2 homologous antagonist/killer

Chain A:



• Molecule 2: human_BID_BH3_SAHB

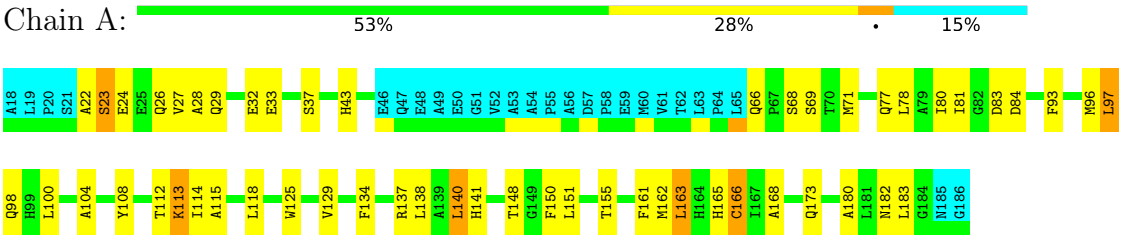
Chain B:



4.2.18 Score per residue for model 18

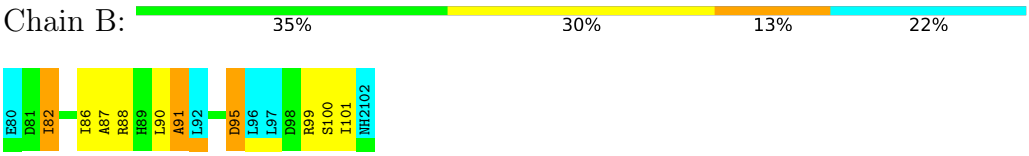
• Molecule 1: Bcl-2 homologous antagonist/killer

Chain A:



• Molecule 2: human_BID_BH3_SAHB

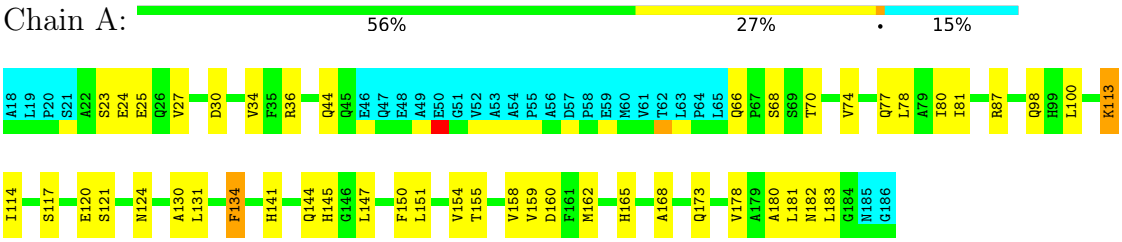
Chain B:



4.2.19 Score per residue for model 19

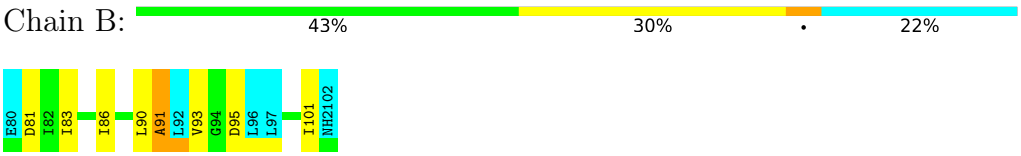
• Molecule 1: Bcl-2 homologous antagonist/killer

Chain A:



• Molecule 2: human_BID_BH3_SAHB

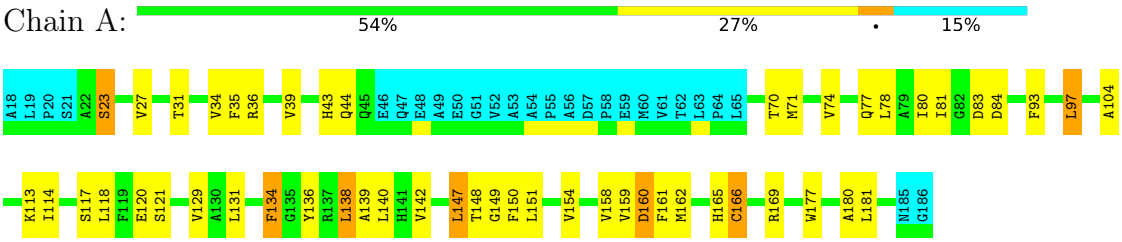
Chain B:



4.2.20 Score per residue for model 20

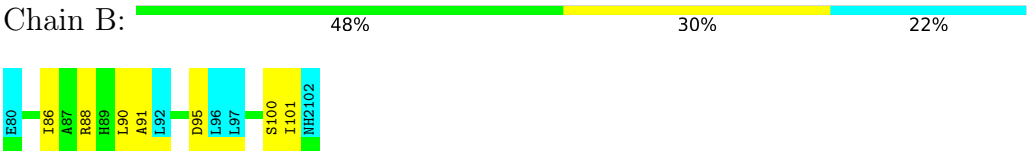
• Molecule 1: Bcl-2 homologous antagonist/killer

Chain A:



• Molecule 2: human_BID_BH3_SAHB

Chain B:


48%
30%
22%
E80
I86
A87
R88
H89
L90
A91
L92
D95
L96
L97
S100
I101
NH2102

5 Refinement protocol and experimental data overview

The models were refined using the following method: *torsion angle dynamics, simulated annealing, molecular dynamics.*

Of the 100 calculated structures, 20 were deposited, based on the following criterion: *structures with the lowest energy.*

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

Software name	Classification	Version
TopSpin	structure solution	
TopSpin	structure solution	
TopSpin	structure solution	
CYANA	refinement	

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

Chemical shift file(s)	working_cs.cif
Number of chemical shift lists	1
Total number of shifts	2096
Number of shifts mapped to atoms	1895
Number of unparsed shifts	0
Number of shifts with mapping errors	201
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	80%

6 Model quality

6.1 Standard geometry

Bond lengths and bond angles in the following residue types are not validated in this section: NH2, NLE, MK8

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

Chiral center outliers are detected by calculating the chiral volume of a chiral center and verifying if the center is modelled as a planar moiety or with the opposite hand. A planarity outlier is detected by checking planarity of atoms in a peptide group, atoms in a mainchain group or atoms of a sidechain that are expected to be planar.

Mol	Chain	Chirality	Planarity
2	B	0.0±0.0	2.0±0.0
All	All	0	40

There are no bond-length outliers.

There are no bond-angle outliers.

There are no chirality outliers.

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

Mol	Chain	Res	Type	Group	Models (Total)
2	B	91	ALA	Peptide	20
2	B	95	ASP	Peptide	20

6.2 Too-close contacts

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	1156	960	1110	31±5
2	B	142	126	146	8±3
All	All	25960	21720	25120	641

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 13.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:114:ILE:HD12	2:B:86:ILE:HG21	0.98	1.33	6	10
1:A:70:THR:HG21	1:A:178:VAL:HG13	0.95	1.35	17	8
1:A:183:LEU:HD22	2:B:101:ILE:HD12	0.94	1.32	2	8
1:A:104:ALA:HB2	1:A:147:LEU:HD13	0.94	1.39	6	1
1:A:97:LEU:HD11	1:A:138:LEU:HD12	0.85	1.44	3	3
1:A:78:LEU:HD21	1:A:180:ALA:HB1	0.83	1.48	14	9
1:A:97:LEU:HD21	1:A:138:LEU:HD12	0.82	1.49	2	2
1:A:100:LEU:HD22	2:B:86:ILE:HD11	0.81	1.51	19	3
1:A:114:ILE:HD12	2:B:86:ILE:HD13	0.80	1.53	18	12
1:A:74:VAL:HG13	1:A:180:ALA:HB3	0.80	1.53	7	12
1:A:28:ALA:HB2	1:A:163:LEU:HD13	0.74	1.60	6	7
1:A:100:LEU:HD12	2:B:86:ILE:HD11	0.73	1.59	7	1
1:A:114:ILE:HD12	2:B:86:ILE:HD12	0.72	1.61	1	1
1:A:74:VAL:HG22	1:A:181:LEU:HD12	0.72	1.61	5	1
1:A:39:VAL:HG21	1:A:136:TYR:CG	0.72	2.20	12	6
2:B:87:ALA:HA	2:B:90:LEU:HD22	0.71	1.63	9	1
1:A:104:ALA:HB2	1:A:147:LEU:HD11	0.71	1.61	1	2
1:A:178:VAL:O	1:A:181:LEU:HD22	0.70	1.85	6	8
1:A:28:ALA:HB2	1:A:163:LEU:HD21	0.69	1.63	3	5
1:A:183:LEU:HD22	2:B:101:ILE:HG22	0.68	1.65	6	2
1:A:35:PHE:CE2	1:A:158:VAL:HG21	0.67	2.24	20	3
1:A:114:ILE:CD1	2:B:86:ILE:HD13	0.67	2.19	14	13
1:A:111:PHE:CZ	1:A:158:VAL:HG22	0.66	2.26	16	8
1:A:28:ALA:CB	1:A:163:LEU:HD21	0.66	2.21	3	1
1:A:114:ILE:HD12	2:B:86:ILE:CG2	0.65	2.21	19	7
1:A:39:VAL:HG21	1:A:136:TYR:CD2	0.65	2.26	2	3
1:A:181:LEU:HD23	1:A:182:ASN:N	0.65	2.05	6	7
2:B:82:ILE:HD13	2:B:82:ILE:O	0.65	1.92	9	1
1:A:28:ALA:HB2	1:A:163:LEU:HD11	0.64	1.69	18	4
1:A:154:VAL:O	1:A:158:VAL:HG23	0.64	1.92	13	11
1:A:93:PHE:CZ	2:B:90:LEU:HD21	0.64	2.27	17	5
1:A:100:LEU:HA	2:B:82:ILE:HD12	0.64	1.69	17	1
1:A:78:LEU:HD22	1:A:129:VAL:HG22	0.64	1.69	2	5
1:A:111:PHE:CZ	1:A:158:VAL:HG12	0.64	2.26	10	1
1:A:131:LEU:HD21	1:A:158:VAL:HG13	0.64	1.70	12	1
1:A:28:ALA:HB2	1:A:163:LEU:CD2	0.64	2.23	11	3
1:A:23:SER:O	1:A:27:VAL:HG23	0.63	1.93	6	15
2:B:82:ILE:HG23	2:B:83:ILE:HD12	0.63	1.68	12	3
1:A:77:GLN:OE1	1:A:81:ILE:HG23	0.63	1.94	4	1
1:A:74:VAL:HG13	1:A:180:ALA:CB	0.63	2.24	1	8
1:A:139:ALA:CB	1:A:154:VAL:HG21	0.63	2.22	1	13
1:A:70:THR:O	1:A:74:VAL:HG23	0.63	1.93	11	6

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:78:LEU:HD22	1:A:129:VAL:CG2	0.63	2.23	15	3
1:A:147:LEU:HD23	1:A:150:PHE:CD1	0.63	2.29	19	1
1:A:139:ALA:HB1	1:A:154:VAL:HG21	0.62	1.70	13	9
1:A:104:ALA:CB	1:A:147:LEU:HD21	0.62	2.24	11	2
1:A:118:LEU:HD13	2:B:90:LEU:HB3	0.62	1.71	18	9
1:A:34:VAL:HG11	1:A:177:TRP:CE3	0.62	2.29	6	8
1:A:181:LEU:HD13	1:A:181:LEU:H	0.62	1.55	8	5
1:A:181:LEU:HD12	1:A:182:ASN:N	0.61	2.10	11	5
1:A:28:ALA:HB2	1:A:163:LEU:CD1	0.61	2.25	17	9
1:A:183:LEU:CD2	2:B:101:ILE:HD12	0.61	2.24	3	2
1:A:77:GLN:HA	1:A:80:ILE:HD12	0.61	1.73	4	17
1:A:97:LEU:HD12	1:A:138:LEU:HD23	0.61	1.71	15	1
2:B:90:LEU:C	2:B:90:LEU:HD23	0.59	2.17	9	1
1:A:97:LEU:CD1	1:A:138:LEU:HD13	0.59	2.27	17	2
1:A:113:LYS:HD3	1:A:114:ILE:HD13	0.59	1.72	6	17
1:A:97:LEU:CD1	1:A:138:LEU:HD12	0.59	2.26	12	2
1:A:119:PHE:CE1	1:A:131:LEU:HD12	0.59	2.33	1	5
1:A:97:LEU:HD13	1:A:137:ARG:NH1	0.59	2.13	4	1
2:B:82:ILE:HG22	2:B:83:ILE:HD12	0.59	1.73	9	1
1:A:39:VAL:HG21	1:A:136:TYR:CD1	0.59	2.32	14	2
1:A:78:LEU:CD2	1:A:180:ALA:HB1	0.59	2.27	14	1
1:A:70:THR:HG23	1:A:181:LEU:HD23	0.58	1.75	11	1
1:A:74:VAL:HG13	1:A:180:ALA:HB2	0.58	1.74	9	2
1:A:27:VAL:CG2	1:A:172:ALA:HB2	0.58	2.29	4	2
1:A:104:ALA:HB2	1:A:147:LEU:HD21	0.58	1.75	11	4
1:A:113:LYS:HE2	2:B:87:ALA:HB2	0.58	1.75	12	4
1:A:22:ALA:O	1:A:172:ALA:HB1	0.58	1.98	6	2
1:A:24:GLU:HG3	1:A:163:LEU:HD22	0.58	1.74	10	1
1:A:183:LEU:HB3	2:B:101:ILE:HG23	0.57	1.74	16	2
1:A:28:ALA:CB	1:A:163:LEU:HD11	0.57	2.29	5	2
1:A:27:VAL:HG11	1:A:168:ALA:HA	0.57	1.75	17	11
1:A:81:ILE:CG2	2:B:101:ILE:HG22	0.57	2.30	19	11
1:A:93:PHE:CE1	2:B:90:LEU:HD21	0.57	2.34	8	1
1:A:146:GLY:O	1:A:147:LEU:HD23	0.57	2.00	6	1
1:A:183:LEU:HD22	2:B:101:ILE:CG2	0.57	2.29	16	3
1:A:113:LYS:HD2	1:A:114:ILE:HD13	0.56	1.77	1	1
1:A:78:LEU:HD22	1:A:129:VAL:CG1	0.56	2.29	6	7
1:A:70:THR:HG23	1:A:73:GLN:OE1	0.56	1.99	16	4
2:B:82:ILE:CG2	2:B:83:ILE:HD12	0.56	2.31	2	4
1:A:32:GLU:HA	1:A:155:THR:HG22	0.56	1.78	12	2
1:A:150:PHE:O	1:A:154:VAL:HG23	0.56	2.01	4	4

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:93:PHE:O	1:A:97:LEU:HD12	0.56	2.01	9	3
1:A:114:ILE:HG21	1:A:134:PHE:CE1	0.56	2.36	7	6
1:A:39:VAL:HG11	1:A:136:TYR:CD2	0.56	2.36	3	2
1:A:74:VAL:HG22	1:A:181:LEU:CD1	0.56	2.29	5	1
1:A:104:ALA:HB1	1:A:150:PHE:CE1	0.55	2.37	18	5
1:A:102:PRO:O	1:A:142:VAL:HG12	0.55	2.01	6	1
1:A:22:ALA:HB1	1:A:26:GLN:CG	0.55	2.31	9	3
1:A:139:ALA:HB2	1:A:154:VAL:HG21	0.55	1.76	1	4
1:A:138:LEU:HD13	1:A:139:ALA:N	0.55	2.17	15	1
1:A:35:PHE:HA	1:A:132:LEU:HD13	0.54	1.79	16	2
1:A:117:SER:OG	2:B:87:ALA:HB1	0.54	2.02	1	3
1:A:93:PHE:CZ	2:B:90:LEU:HD11	0.54	2.37	8	1
1:A:32:GLU:HB3	1:A:159:VAL:HG21	0.54	1.78	4	2
1:A:104:ALA:HB2	1:A:147:LEU:CD1	0.54	2.33	20	2
1:A:155:THR:O	1:A:159:VAL:HG23	0.53	2.03	8	8
1:A:113:LYS:CE	2:B:87:ALA:HB2	0.53	2.34	12	1
1:A:93:PHE:CD1	2:B:90:LEU:HD21	0.53	2.39	8	1
1:A:147:LEU:HD13	1:A:150:PHE:CG	0.53	2.39	11	1
1:A:31:THR:HG21	1:A:159:VAL:HA	0.52	1.80	2	3
1:A:97:LEU:CD1	1:A:138:LEU:HD23	0.52	2.33	15	1
1:A:159:VAL:O	1:A:163:LEU:HD23	0.52	2.03	3	1
2:B:98:ASP:HA	2:B:101:ILE:HD12	0.52	1.81	16	2
1:A:138:LEU:O	1:A:142:VAL:HG23	0.52	2.04	20	1
1:A:34:VAL:HG11	1:A:177:TRP:CZ3	0.52	2.40	20	2
1:A:22:ALA:HB1	1:A:26:GLN:HG2	0.52	1.81	10	3
1:A:147:LEU:O	1:A:148:THR:HG22	0.52	2.04	2	1
1:A:103:THR:HG23	1:A:106:ASN:H	0.52	1.63	12	1
1:A:125:TRP:CD2	1:A:183:LEU:HD11	0.52	2.39	13	2
1:A:93:PHE:O	1:A:97:LEU:HD23	0.52	2.05	7	6
1:A:100:LEU:HG	2:B:82:ILE:HD12	0.52	1.82	9	2
1:A:36:ARG:HG3	1:A:155:THR:HG21	0.51	1.82	6	1
1:A:143:TYR:HA	1:A:147:LEU:HD13	0.51	1.83	16	1
1:A:28:ALA:HB1	1:A:159:VAL:CG1	0.51	2.36	14	4
1:A:97:LEU:HD21	1:A:138:LEU:HD13	0.51	1.82	4	1
1:A:114:ILE:CG2	2:B:90:LEU:HD11	0.51	2.35	13	8
1:A:102:PRO:HG3	1:A:138:LEU:HD11	0.51	1.81	17	1
1:A:104:ALA:HB2	1:A:147:LEU:CD2	0.51	2.36	12	1
1:A:114:ILE:CD1	2:B:86:ILE:HG21	0.50	2.28	19	3
1:A:143:TYR:HA	1:A:147:LEU:HD12	0.50	1.83	17	3
2:B:87:ALA:HA	2:B:90:LEU:HD12	0.49	1.85	18	3
1:A:100:LEU:HA	2:B:82:ILE:HD13	0.49	1.82	15	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:114:ILE:HD13	1:A:114:ILE:N	0.49	2.22	1	17
1:A:123:ILE:HD13	1:A:167:ILE:HD13	0.49	1.83	2	3
1:A:118:LEU:HD13	2:B:90:LEU:CB	0.48	2.38	1	1
1:A:39:VAL:HG23	1:A:43:HIS:CE1	0.48	2.43	2	1
1:A:115:ALA:HB1	1:A:161:PHE:CE1	0.48	2.43	6	2
1:A:74:VAL:CG1	1:A:180:ALA:HB3	0.48	2.37	10	1
1:A:119:PHE:CZ	1:A:131:LEU:HD12	0.48	2.43	1	5
1:A:130:ALA:CB	2:B:93:VAL:HG22	0.48	2.38	19	3
1:A:27:VAL:HG11	1:A:168:ALA:CA	0.48	2.39	10	1
1:A:147:LEU:HD13	1:A:150:PHE:CD1	0.48	2.44	11	1
1:A:35:PHE:HD2	1:A:132:LEU:HD22	0.48	1.68	4	3
1:A:130:ALA:CB	2:B:93:VAL:HG12	0.48	2.39	5	1
1:A:102:PRO:HG2	1:A:142:VAL:HG11	0.47	1.86	3	1
2:B:87:ALA:CA	2:B:90:LEU:HD22	0.47	2.37	9	1
1:A:97:LEU:CD2	1:A:138:LEU:HD12	0.47	2.40	9	1
1:A:114:ILE:HG23	2:B:90:LEU:HD11	0.47	1.85	19	4
1:A:24:GLU:O	1:A:163:LEU:HD11	0.47	2.10	13	1
1:A:143:TYR:CA	1:A:147:LEU:HD22	0.47	2.40	5	1
1:A:97:LEU:HD11	1:A:138:LEU:HD13	0.47	1.85	10	1
1:A:28:ALA:HB2	1:A:163:LEU:HD23	0.47	1.86	11	1
1:A:147:LEU:HD22	1:A:150:PHE:CD1	0.46	2.45	1	1
1:A:125:TRP:CH2	1:A:180:ALA:HB2	0.46	2.45	17	1
1:A:114:ILE:HG23	2:B:86:ILE:CD1	0.46	2.39	1	1
1:A:29:GLN:O	1:A:32:GLU:CG	0.46	2.64	18	1
1:A:86:ASN:O	1:A:90:ASP:N	0.45	2.50	2	3
1:A:114:ILE:HG22	2:B:90:LEU:HD11	0.45	1.88	1	1
1:A:30:ASP:O	1:A:34:VAL:HG23	0.45	2.11	16	11
1:A:93:PHE:CE2	1:A:97:LEU:HD11	0.45	2.47	11	1
1:A:131:LEU:HD12	1:A:134:PHE:HE2	0.45	1.72	3	8
1:A:130:ALA:HB1	2:B:93:VAL:HG12	0.45	1.88	5	1
1:A:140:LEU:HD23	1:A:140:LEU:O	0.45	2.11	16	1
1:A:142:VAL:HG21	1:A:150:PHE:CE2	0.44	2.48	1	1
1:A:156:ARG:HA	1:A:159:VAL:CG2	0.44	2.42	5	1
1:A:78:LEU:HD21	1:A:180:ALA:CB	0.44	2.32	14	2
1:A:125:TRP:O	1:A:129:VAL:HG23	0.44	2.12	18	1
1:A:100:LEU:CD1	2:B:86:ILE:HD11	0.44	2.37	7	1
1:A:130:ALA:HB1	2:B:93:VAL:HB	0.44	1.90	10	1
1:A:70:THR:CG2	1:A:181:LEU:HD23	0.44	2.42	11	1
1:A:131:LEU:CD2	1:A:158:VAL:HG13	0.44	2.41	12	1
1:A:138:LEU:HD13	1:A:138:LEU:C	0.44	2.33	15	1
1:A:130:ALA:HB1	2:B:93:VAL:HG22	0.43	1.90	7	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:147:LEU:O	1:A:148:THR:HG23	0.43	2.12	12	1
1:A:139:ALA:HB1	1:A:154:VAL:CG2	0.43	2.43	20	1
1:A:131:LEU:O	1:A:131:LEU:HD23	0.43	2.12	16	2
1:A:147:LEU:HD22	1:A:150:PHE:HD2	0.43	1.74	10	1
1:A:35:PHE:CD1	1:A:132:LEU:HD22	0.43	2.49	16	2
1:A:138:LEU:HD23	1:A:139:ALA:N	0.43	2.28	3	1
1:A:22:ALA:HB3	1:A:172:ALA:CB	0.43	2.43	17	1
1:A:35:PHE:CD2	1:A:132:LEU:HD22	0.43	2.49	4	1
1:A:74:VAL:HG21	1:A:177:TRP:O	0.43	2.14	10	1
1:A:24:GLU:CD	1:A:163:LEU:HD13	0.42	2.35	9	1
1:A:78:LEU:HB3	1:A:129:VAL:HG13	0.42	1.91	18	1
1:A:115:ALA:HB1	1:A:161:PHE:CE2	0.42	2.49	18	1
1:A:131:LEU:HD12	1:A:134:PHE:CE2	0.42	2.50	3	1
1:A:161:PHE:CG	1:A:162:MET:N	0.42	2.87	4	1
1:A:111:PHE:HZ	1:A:158:VAL:HG22	0.42	1.74	12	1
1:A:35:PHE:CD1	1:A:155:THR:HG23	0.42	2.50	10	2
1:A:81:ILE:HB	2:B:101:ILE:HG22	0.42	1.91	19	1
1:A:143:TYR:CD1	1:A:143:TYR:C	0.42	2.92	7	1
1:A:181:LEU:HD22	1:A:181:LEU:N	0.42	2.29	8	1
1:A:36:ARG:HD3	1:A:155:THR:HG21	0.42	1.92	10	1
1:A:147:LEU:HD22	1:A:150:PHE:CD2	0.42	2.50	10	1
1:A:178:VAL:O	1:A:181:LEU:HD21	0.42	2.15	8	3
1:A:108:TYR:O	1:A:112:THR:HG23	0.42	2.15	14	8
1:A:125:TRP:CE2	1:A:183:LEU:HD11	0.41	2.50	6	1
1:A:130:ALA:HB1	2:B:93:VAL:CG1	0.41	2.44	5	1
1:A:31:THR:HG21	1:A:162:MET:SD	0.41	2.56	16	1
1:A:147:LEU:O	1:A:148:THR:CG2	0.41	2.68	2	1
1:A:24:GLU:HA	1:A:168:ALA:HB1	0.41	1.92	19	2
1:A:93:PHE:CE2	2:B:90:LEU:HD21	0.41	2.50	11	1
1:A:94:GLN:N	1:A:137:ARG:HH22	0.41	2.14	4	1
1:A:22:ALA:N	1:A:172:ALA:HB1	0.41	2.31	17	1
1:A:160:ASP:CG	1:A:161:PHE:N	0.41	2.73	20	1
1:A:104:ALA:CB	1:A:147:LEU:HD11	0.41	2.39	1	1
1:A:181:LEU:C	1:A:181:LEU:CD2	0.41	2.89	7	3
1:A:24:GLU:CG	1:A:163:LEU:HD22	0.41	2.44	10	1
1:A:31:THR:CG2	1:A:162:MET:HE1	0.41	2.46	16	1
1:A:158:VAL:HG23	1:A:159:VAL:N	0.41	2.31	10	1
1:A:162:MET:HG3	1:A:167:ILE:HG21	0.41	1.92	17	1
1:A:138:LEU:HD12	1:A:138:LEU:O	0.40	2.16	17	1
1:A:147:LEU:HD23	1:A:150:PHE:CB	0.40	2.46	5	1
1:A:132:LEU:N	1:A:132:LEU:HD23	0.40	2.31	4	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:155:THR:O	1:A:159:VAL:HG22	0.40	2.16	5	1

6.3 Torsion angles (i)

6.3.1 Protein backbone (i)

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	143/169 (85%)	132±2 (92±1%)	10±2 (7±1%)	1±1 (1±1%)	24	71
2	B	18/23 (78%)	15±1 (84±5%)	3±1 (16±5%)	0±0 (0±0%)	100	100
All	All	3220/3840 (84%)	2933 (91%)	264 (8%)	23 (1%)	26	73

All 9 unique Ramachandran outliers are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	A	149	GLY	4
1	A	166	CYS	4
1	A	146	GLY	4
1	A	184	GLY	3
1	A	148	THR	3
1	A	165	HIS	2
1	A	168	ALA	1
1	A	147	LEU	1
1	A	22	ALA	1

6.3.2 Protein sidechains (i)

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	118/137 (86%)	92±3 (78±3%)	26±3 (22±3%)	3	30

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
2	B	15/16 (94%)	11±1 (73±8%)	4±1 (27±8%)	2 21
All	All	2660/3060 (87%)	2066 (78%)	594 (22%)	3 29

All 76 unique residues with a non-rotameric sidechain are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	A	134	PHE	20
1	A	151	LEU	20
1	A	165	HIS	20
1	A	23	SER	17
2	B	88	ARG	17
1	A	66	GLN	16
1	A	117	SER	16
1	A	68	SER	15
1	A	98	GLN	15
1	A	141	HIS	15
1	A	166	CYS	15
1	A	36	ARG	14
1	A	69	SER	13
1	A	113	LYS	13
1	A	181	LEU	13
1	A	71	MET	13
2	B	95	ASP	13
1	A	137	ARG	12
1	A	121	SER	11
1	A	97	LEU	11
1	A	120	GLU	11
1	A	163	LEU	11
1	A	138	LEU	10
1	A	162	MET	10
2	B	100	SER	10
1	A	25	GLU	10
1	A	83	ASP	9
2	B	84	ARG	9
1	A	43	HIS	9
1	A	91	SER	8
1	A	140	LEU	8
2	B	82	ILE	8
1	A	169	ARG	8
2	B	81	ASP	8
1	A	44	GLN	8

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Mol	Chain	Res	Type	Models (Total)
1	A	87	ARG	8
1	A	144	GLN	8
1	A	100	LEU	7
1	A	155	THR	7
1	A	24	GLU	7
1	A	77	GLN	6
1	A	145	HIS	6
1	A	160	ASP	6
1	A	42	ARG	6
1	A	148	THR	6
1	A	147	LEU	5
1	A	96	MET	5
1	A	161	PHE	5
1	A	124	ASN	5
2	B	99	ARG	4
1	A	70	THR	4
1	A	84	ASP	4
1	A	90	ASP	4
2	B	85	ASN	4
1	A	173	GLN	4
1	A	76	ARG	3
1	A	93	PHE	3
1	A	150	PHE	3
2	B	89	HIS	3
1	A	73	GLN	3
1	A	164	HIS	3
2	B	83	ILE	3
1	A	143	TYR	3
1	A	37	SER	3
1	A	182	ASN	3
1	A	131	LEU	3
1	A	153	GLN	2
1	A	118	LEU	2
1	A	156	ARG	2
1	A	41	TYR	2
2	B	86	ILE	1
1	A	132	LEU	1
1	A	88	ARG	1
2	B	90	LEU	1
1	A	92	GLU	1
1	A	33	GLU	1

6.3.3 RNA (i)

There are no RNA molecules in this entry.

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

3 non-standard protein/DNA/RNA residues are modelled in this entry.

In the following table, the Counts columns list the number of bonds for which Mogul statistics could be retrieved, the number of bonds that are observed in the model and the number of bonds that are defined in the chemical component dictionary. The Link column lists molecule types, if any, to which the group is linked. The Z score for a bond length is the number of standard deviations the observed value is removed from the expected value. A bond length with $|Z| > 2$ is considered an outlier worth inspection. RMSZ is the average root-mean-square of all Z scores of the bond lengths.

Mol	Type	Chain	Res	Link	Bond lengths		
					Counts	RMSZ	#Z>2
2	MK8	B	96	2	5,8,9	1.10±0.02	0±0 (0±0%)
2	MK8	B	92	2	5,8,9	1.11±0.02	0±0 (0±0%)
2	NLE	B	97	2	6,7,8	0.65±0.01	0±0 (0±0%)

In the following table, the Counts columns list the number of angles for which Mogul statistics could be retrieved, the number of angles that are observed in the model and the number of angles that are defined in the chemical component dictionary. The Link column lists molecule types, if any, to which the group is linked. The Z score for a bond angle is the number of standard deviations the observed value is removed from the expected value. A bond angle with $|Z| > 2$ is considered an outlier worth inspection. RMSZ is the average root-mean-square of all Z scores of the bond angles.

Mol	Type	Chain	Res	Link	Bond angles		
					Counts	RMSZ	#Z>2
2	MK8	B	96	2	4,10,12	0.50±0.04	0±0 (0±0%)
2	MK8	B	92	2	4,10,12	1.10±0.03	1±0 (15±12%)
2	NLE	B	97	2	2,7,9	0.70±0.00	0±0 (0±0%)

In the following table, the Chirals column lists the number of chiral outliers, the number of chiral centers analysed, the number of these observed in the model and the number defined in the chemical component dictionary. Similar counts are reported in the Torsion and Rings columns. '-' means no outliers of that kind were identified.

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
2	MK8	B	92	2	-	0±0,6,8,11	-
2	NLE	B	97	2	-	0±0,5,6,8	-
2	MK8	B	96	2	-	0±0,6,8,11	-

There are no bond-length outliers.

All unique angle outliers are listed below.

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})	Models	
								Worst	Total
2	B	92	MK8	CB1-CA-C	2.17	100.82	108.99	10	12

There are no chirality outliers.

There are no torsion outliers.

There are no ring outliers.

6.5 Carbohydrates (i)

There are no monosaccharides in this entry.

6.6 Ligand geometry (i)

There are no ligands in this entry.

6.7 Other polymers (i)

There are no such molecules in this entry.

6.8 Polymer linkage issues (i)

There are no chain breaks in this entry.

7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 80% for the well-defined parts and 80% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *assigned_chem_shift_list_1*

7.1.1 Bookkeeping

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

Total number of shifts	2096
Number of shifts mapped to atoms	1895
Number of unparsed shifts	0
Number of shifts with mapping errors	201
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	10

The following assigned chemical shifts were not mapped to the molecules present in the coordinate file.

- No matching atom found in the structure. All 201 occurrences are reported below.

List ID	Chain	Res	Type	Atom	Shift Data		
					Value	Uncertainty	Ambiguity
1	A	19	LEU	HB2	1.482	0.020	1
1	A	20	PRO	HB2	2.182	0.020	2
1	A	20	PRO	HG2	1.915	0.020	1
1	A	20	PRO	HD2	3.754	0.020	2
1	A	21	SER	HB2	3.801	0.020	1
1	A	23	SER	HB2	4.088	0.020	2
1	A	24	GLU	HB2	1.861	0.020	1
1	A	24	GLU	HG2	1.956	0.020	2
1	A	25	GLU	HB2	1.89	0.020	1
1	A	25	GLU	HG2	2.23	0.020	1
1	A	26	GLN	HB2	2.152	0.020	1
1	A	26	GLN	HG2	2.423	0.020	1
1	A	29	GLN	HB2	2.178	0.020	1
1	A	29	GLN	HG2	2.426	0.020	1

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List ID	Chain	Res	Type	Atom	Shift Data		
					Value	Uncertainty	Ambiguity
1	A	30	ASP	HB2	3.295	0.020	2
1	A	32	GLU	HB2	2.059	0.020	1
1	A	32	GLU	HG2	2.237	0.020	2
1	A	33	GLU	HB2	1.983	0.020	1
1	A	33	GLU	HG2	2.02	0.020	1
1	A	35	PHE	HB2	2.964	0.020	1
1	A	36	ARG	HB2	1.798	0.020	2
1	A	36	ARG	HG2	1.588	0.020	1
1	A	36	ARG	HD2	3.072	0.020	1
1	A	37	SER	HB2	4.032	0.020	1
1	A	38	TYR	HB2	3.233	0.020	2
1	A	40	PHE	HB2	2.903	0.020	1
1	A	41	TYR	HB2	2.881	0.020	2
1	A	42	ARG	HB2	0.675	0.020	1
1	A	42	ARG	HG2	0.794	0.020	1
1	A	42	ARG	HD2	2.643	0.020	1
1	A	43	HIS	HB2	3.415	0.020	2
1	A	44	GLN	HB2	1.85	0.020	2
1	A	44	GLN	HG2	1.938	0.020	2
1	A	45	GLN	HB2	2.064	0.020	1
1	A	45	GLN	HG2	2.35	0.020	1
1	A	46	GLU	HB2	1.924	0.020	1
1	A	46	GLU	HG2	2.45	0.020	2
1	A	47	GLN	HB2	1.882	0.020	1
1	A	47	GLN	HG2	1.919	0.020	1
1	A	48	GLU	HB2	1.966	0.020	1
1	A	48	GLU	HG2	2.286	0.020	2
1	A	50	GLU	HB2	1.89	0.020	1
1	A	50	GLU	HG2	2.233	0.020	1
1	A	55	PRO	HB2	2.177	0.020	2
1	A	55	PRO	HG2	1.941	0.020	1
1	A	55	PRO	HD2	3.705	0.020	2
1	A	57	ASP	HB2	2.881	0.020	2
1	A	58	PRO	HB2	2.255	0.020	1
1	A	58	PRO	HG2	1.925	0.020	1
1	A	58	PRO	HD2	3.643	0.020	2
1	A	60	MET	HB2	1.626	0.020	2
1	A	60	MET	HG2	2.129	0.020	1
1	A	63	LEU	HB2	1.208	0.020	1
1	A	64	PRO	HB2	1.959	0.020	2
1	A	64	PRO	HG2	1.82	0.020	1

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List ID	Chain	Res	Type	Atom	Shift Data		
					Value	Uncertainty	Ambiguity
1	A	64	PRO	HD2	3.603	0.020	2
1	A	65	LEU	HB2	1.283	0.020	2
1	A	66	GLN	HB2	1.978	0.020	2
1	A	66	GLN	HG2	2.264	0.020	2
1	A	67	PRO	HB2	2.246	0.020	2
1	A	67	PRO	HG2	1.937	0.020	2
1	A	67	PRO	HD2	3.703	0.020	2
1	A	68	SER	HB2	3.876	0.020	2
1	A	69	SER	HB2	4.174	0.020	2
1	A	71	MET	HB2	1.91	0.020	2
1	A	71	MET	HG2	2.965	0.020	2
1	A	73	GLN	HB2	2.273	0.020	2
1	A	73	GLN	HG2	2.429	0.020	1
1	A	76	ARG	HB2	1.5	0.020	2
1	A	76	ARG	HG2	0.303	0.020	2
1	A	76	ARG	HD2	2.595	0.020	2
1	A	77	GLN	HB2	2.027	0.020	1
1	A	77	GLN	HG2	2.276	0.020	1
1	A	78	LEU	HB2	2.053	0.020	2
1	A	80	ILE	HG12	1.498	0.020	2
1	A	81	ILE	HG12	1.473	0.020	2
1	A	83	ASP	HB2	2.799	0.020	2
1	A	84	ASP	HB2	2.611	0.020	1
1	A	85	ILE	HG12	1.519	0.020	2
1	A	86	ASN	HB2	2.784	0.020	1
1	A	87	ARG	HB2	1.766	0.020	1
1	A	87	ARG	HG2	1.745	0.020	2
1	A	87	ARG	HD2	3.103	0.020	1
1	A	88	ARG	HB2	1.62	0.020	2
1	A	88	ARG	HG2	1.203	0.020	2
1	A	88	ARG	HD2	2.938	0.020	2
1	A	89	TYR	HB2	3.274	0.020	2
1	A	90	ASP	HB2	2.999	0.020	2
1	A	91	SER	HB2	3.883	0.020	1
1	A	92	GLU	HB2	1.835	0.020	1
1	A	92	GLU	HG2	2.183	0.020	1
1	A	93	PHE	HB2	3.226	0.020	2
1	A	94	GLN	HB2	2.188	0.020	1
1	A	94	GLN	HG2	2.463	0.020	2
1	A	96	MET	HB2	1.676	0.020	1
1	A	96	MET	HG2	2.679	0.020	2

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List ID	Chain	Res	Type	Atom	Shift Data		
					Value	Uncertainty	Ambiguity
1	A	97	LEU	HB2	1.55	0.020	2
1	A	98	GLN	HB2	2.229	0.020	2
1	A	98	GLN	HG2	2.467	0.020	1
1	A	99	HIS	HB2	3.16	0.020	1
1	A	100	LEU	HB2	1.671	0.020	2
1	A	101	GLN	HB2	2.053	0.020	1
1	A	101	GLN	HG2	2.243	0.020	1
1	A	102	PRO	HB2	1.834	0.020	2
1	A	102	PRO	HG2	1.456	0.020	1
1	A	102	PRO	HD2	3.337	0.020	1
1	A	105	GLU	HB2	1.881	0.020	1
1	A	105	GLU	HG2	2.263	0.020	2
1	A	106	ASN	HB2	2.255	0.020	1
1	A	108	TYR	HB2	2.67	0.020	2
1	A	109	GLU	HB2	1.981	0.020	2
1	A	109	GLU	HG2	2.212	0.020	1
1	A	110	TYR	HB2	3.022	0.020	2
1	A	111	PHE	HB2	2.951	0.020	1
1	A	113	LYS	HB2	1.771	0.020	1
1	A	113	LYS	HG2	1.333	0.020	1
1	A	113	LYS	HD2	1.624	0.020	2
1	A	113	LYS	HE2	2.874	0.020	1
1	A	114	ILE	HG12	1.732	0.020	2
1	A	117	SER	HB2	3.661	0.020	2
1	A	118	LEU	HB2	1.688	0.020	2
1	A	119	PHE	HB2	3.283	0.020	2
1	A	120	GLU	HB2	2.139	0.020	2
1	A	120	GLU	HG2	2.273	0.020	1
1	A	121	SER	HB2	4.097	0.020	2
1	A	123	ILE	HG12	1.303	0.020	2
1	A	124	ASN	HB2	3.318	0.020	2
1	A	125	TRP	HB2	3.404	0.020	2
1	A	127	ARG	HB2	1.326	0.020	1
1	A	127	ARG	HG2	1.013	0.020	1
1	A	127	ARG	HD2	2.66	0.020	2
1	A	131	LEU	HB2	2.589	0.020	2
1	A	132	LEU	HB2	1.495	0.020	2
1	A	134	PHE	HB2	3.372	0.020	1
1	A	136	TYR	HB2	3.654	0.020	2
1	A	137	ARG	HB2	1.959	0.020	2
1	A	137	ARG	HG2	1.742	0.020	1

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List ID	Chain	Res	Type	Atom	Shift Data		
					Value	Uncertainty	Ambiguity
1	A	137	ARG	HD2	3.159	0.020	2
1	A	138	LEU	HB2	1.87	0.020	2
1	A	140	LEU	HB2	1.553	0.020	2
1	A	141	HIS	HB2	3.193	0.020	2
1	A	143	TYR	HB2	3.174	0.020	1
1	A	144	GLN	HB2	2.082	0.020	2
1	A	144	GLN	HG2	2.658	0.020	2
1	A	145	HIS	HB2	3.463	0.020	2
1	A	147	LEU	HB2	1.457	0.020	2
1	A	150	PHE	HB2	2.906	0.020	2
1	A	151	LEU	HB2	1.571	0.020	1
1	A	153	GLN	HB2	0.837	0.020	2
1	A	153	GLN	HG2	1.859	0.020	2
1	A	156	ARG	HB2	1.838	0.020	2
1	A	156	ARG	HG2	1.626	0.020	2
1	A	156	ARG	HD2	3.066	0.020	1
1	A	157	PHE	HB2	2.681	0.020	2
1	A	160	ASP	HB2	2.946	0.020	2
1	A	161	PHE	HB2	3.68	0.020	2
1	A	162	MET	HB2	2.455	0.020	2
1	A	162	MET	HG2	3.19	0.020	2
1	A	163	LEU	HB2	1.377	0.020	1
1	A	164	HIS	HB2	3.109	0.020	2
1	A	165	HIS	HB2	2.764	0.020	2
1	A	166	CYS	HB2	3.035	0.020	2
1	A	167	ILE	HG12	0.821	0.020	2
1	A	169	ARG	HB2	1.759	0.020	2
1	A	169	ARG	HG2	1.426	0.020	1
1	A	169	ARG	HD2	3.098	0.020	1
1	A	170	TRP	HB2	3.232	0.020	2
1	A	171	ILE	HG12	1.58	0.020	2
1	A	173	GLN	HB2	1.923	0.020	2
1	A	173	GLN	HG2	2.254	0.020	1
1	A	174	ARG	HB2	1.928	0.020	2
1	A	174	ARG	HG2	0.953	0.020	2
1	A	174	ARG	HD2	2.122	0.020	2
1	A	177	TRP	HB2	3.292	0.020	2
1	A	181	LEU	HB2	1.682	0.020	2
1	A	182	ASN	HB2	2.897	0.020	2
1	A	183	LEU	HB2	1.531	0.020	2
1	A	185	ASN	HB2	2.774	0.020	2

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List ID	Chain	Res	Type	Atom	Shift Data		
					Value	Uncertainty	Ambiguity
1	B	80	GLU	HB2	1.928	0.020	2
1	B	80	GLU	HG2	2.204	0.020	1
1	B	81	ASP	HB2	2.629	0.020	2
1	B	82	ILE	HG12	1.355	0.020	2
1	B	83	ILE	HG12	1.417	0.020	2
1	B	84	ARG	HB2	1.781	0.020	1
1	B	84	ARG	HG2	1.693	0.020	2
1	B	84	ARG	HD2	3.112	0.020	1
1	B	85	ASN	HB2	2.859	0.020	2
1	B	86	ILE	HG12	0.819	0.020	2
1	B	88	ARG	HB2	1.855	0.020	2
1	B	88	ARG	HG2	1.575	0.020	1
1	B	88	ARG	HD2	3.122	0.020	1
1	B	89	HIS	HB2	3.136	0.020	2
1	B	90	LEU	HB2	1.511	0.020	2
1	B	92	MK8	HB2	2.044	0.020	2
1	B	95	ASP	HB2	2.754	0.020	2
1	B	98	ASP	HB2	2.97	0.020	2
1	B	99	ARG	HB2	2.01	0.020	2
1	B	99	ARG	HG2	1.831	0.020	2
1	B	99	ARG	HD2	3.209	0.020	1
1	B	100	SER	HB2	4.081	0.020	1
1	B	101	ILE	HG12	1.684	0.020	2

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	168	-0.31 ± 0.05	None needed (< 0.5 ppm)
$^{13}C_{\beta}$	154	0.39 ± 0.08	None needed (< 0.5 ppm)
$^{13}C'$	0	—	None (insufficient data)
^{15}N	155	0.76 ± 0.27	Should be applied

7.1.3 Completeness of resonance assignments

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 80%, i.e. 1797 atoms were assigned a chemical shift out of a possible 2255. 0 out of 26 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	611/815 (75%)	333/334 (100%)	143/322 (44%)	135/159 (85%)
Sidechain	1012/1202 (84%)	728/783 (93%)	267/361 (74%)	17/58 (29%)
Aromatic	174/238 (73%)	103/119 (87%)	68/109 (62%)	3/10 (30%)
Overall	1797/2255 (80%)	1164/1236 (94%)	478/792 (60%)	155/227 (68%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 80%, i.e. 2066 atoms were assigned a chemical shift out of a possible 2574. 0 out of 31 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	705/944 (75%)	382/386 (99%)	168/376 (45%)	155/182 (85%)
Sidechain	1187/1392 (85%)	849/908 (94%)	320/424 (75%)	18/60 (30%)
Aromatic	174/238 (73%)	103/119 (87%)	68/109 (62%)	3/10 (30%)
Overall	2066/2574 (80%)	1334/1413 (94%)	556/909 (61%)	176/252 (70%)

7.1.4 Statistically unusual chemical shifts (i)

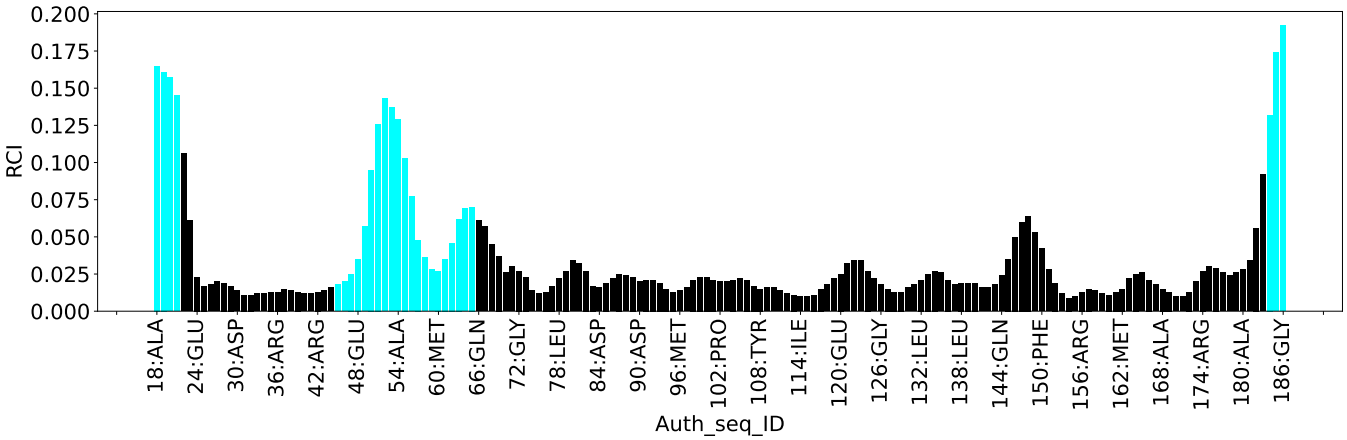
The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

List Id	Chain	Res	Type	Atom	Shift, *ppm*	Expected range, *ppm*	Z-score
1	A	127	ARG	NE	117.95	76.53 – 92.65	20.7
1	A	115	ALA	HB1	-0.20	0.14 – 2.58	-6.4
1	A	115	ALA	HB2	-0.20	0.14 – 2.58	-6.4
1	A	115	ALA	HB3	-0.20	0.14 – 2.58	-6.4
1	A	174	ARG	HD3	1.46	1.81 – 4.39	-6.4
1	A	123	ILE	HG21	-0.83	-0.56 – 2.11	-6.0
1	A	123	ILE	HG22	-0.83	-0.56 – 2.11	-6.0
1	A	123	ILE	HG23	-0.83	-0.56 – 2.11	-6.0
1	A	153	GLN	HB3	0.64	0.71 – 3.33	-5.2
1	A	76	ARG	HG3	0.15	0.15 – 2.94	-5.0

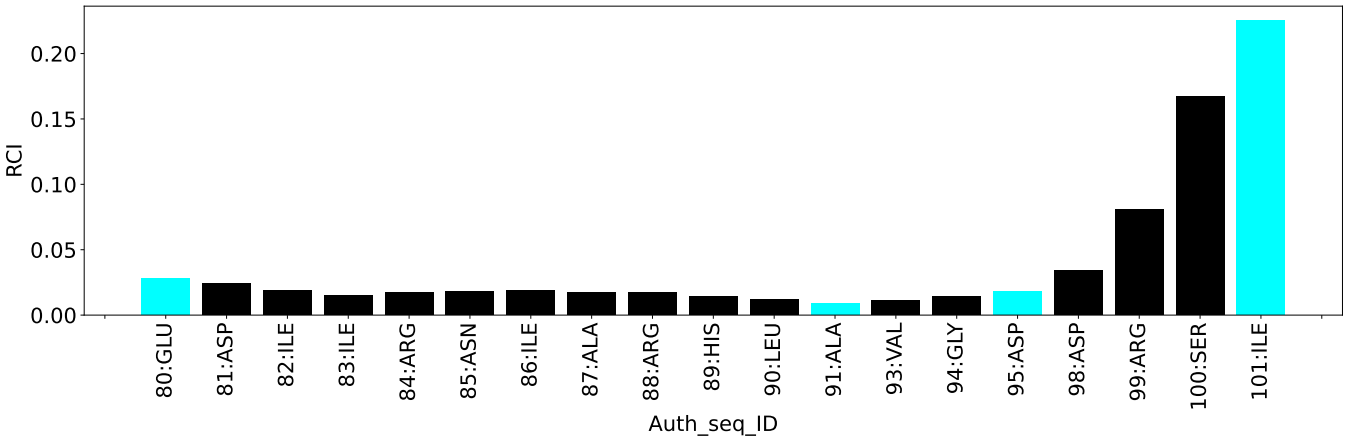
7.1.5 Random Coil Index (RCI) plots (i)

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

Random coil index (RCI) for chain A:



Random coil index (RCI) for chain B:



8 NMR restraints analysis

8.1 Conformationally restricting restraints

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

Description	Value
Total distance restraints	3311
Intra-residue (|i-j|=0)	1108
Sequential (|i-j|=1)	695
Medium range (|i-j|>1 and |i-j|<5)	622
Long range (|i-j|≥5)	535
Inter-chain	188
Hydrogen bond restraints	163
Disulfide bond restraints	0
Total dihedral-angle restraints	0
Number of unmapped restraints	991
Number of restraints per residue	17.2
Number of long range restraints per residue[1]	2.8

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

8.2 Residual restraint violations

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

8.2.1 Average number of distance violations per model

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

Bins (Å)	Average number of violations per model	Max (Å)
0.1-0.2 (Small)	58.8	0.2
0.2-0.5 (Medium)	103.1	0.5
>0.5 (Large)	148.0	3.73

8.2.2 Average number of dihedral-angle violations per model (i)

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

9 Distance violation analysis (i)

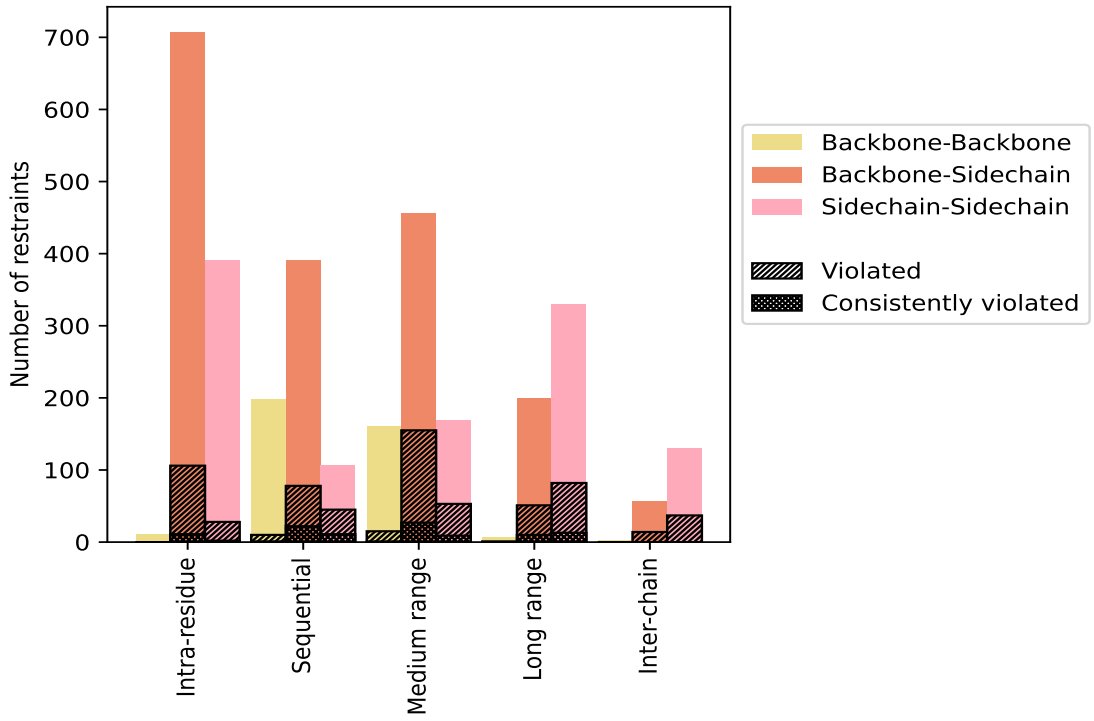
9.1 Summary of distance violations (i)

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

Restraints type	Count	%[1]	Violated[3]			Consistently Violated[4]		
			Count	%[2]	%[1]	Count	%[2]	%[1]
Intra-residue (|i-j|=0)	1108	33.5	134	12.1	4.0	13	1.2	0.4
Backbone-Backbone	11	0.3	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	707	21.4	106	15.0	3.2	11	1.6	0.3
Sidechain-Sidechain	390	11.8	28	7.2	0.8	2	0.5	0.1
Sequential (|i-j|=1)	695	21.0	133	19.1	4.0	34	4.9	1.0
Backbone-Backbone	198	6.0	10	5.1	0.3	1	0.5	0.0
Backbone-Sidechain	391	11.8	78	19.9	2.4	22	5.6	0.7
Sidechain-Sidechain	106	3.2	45	42.5	1.4	11	10.4	0.3
Medium range (|i-j|>1 & |i-j|<5)	622	18.8	137	22.0	4.1	20	3.2	0.6
Backbone-Backbone	160	4.8	15	9.4	0.5	1	0.6	0.0
Backbone-Sidechain	293	8.8	69	23.5	2.1	10	3.4	0.3
Sidechain-Sidechain	169	5.1	53	31.4	1.6	9	5.3	0.3
Long range (|i-j|≥5)	535	16.2	134	25.0	4.0	23	4.3	0.7
Backbone-Backbone	7	0.2	1	14.3	0.0	0	0.0	0.0
Backbone-Sidechain	199	6.0	51	25.6	1.5	10	5.0	0.3
Sidechain-Sidechain	329	9.9	82	24.9	2.5	13	4.0	0.4
Inter-chain	188	5.7	51	27.1	1.5	0	0.0	0.0
Backbone-Backbone	2	0.1	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	56	1.7	14	25.0	0.4	0	0.0	0.0
Sidechain-Sidechain	130	3.9	37	28.5	1.1	0	0.0	0.0
Hydrogen bond	163	4.9	86	52.8	2.6	17	10.4	0.5
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	3311	100.0	675	20.4	20.4	107	3.2	3.2
Backbone-Backbone	378	11.4	26	6.9	0.8	2	0.5	0.1
Backbone-Sidechain	1809	54.6	404	22.3	12.2	70	3.9	2.1
Sidechain-Sidechain	1124	33.9	245	21.8	7.4	35	3.1	1.1

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

9.1.1 Bar chart : Distribution of distance restraints and violations



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

9.2 Distance violation statistics for each model

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

Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
1	64	86	100	58	20	328	0.59	3.1	0.5	0.42
2	60	73	101	61	11	306	0.61	3.73	0.54	0.43
3	69	78	101	67	16	331	0.66	3.62	0.53	0.45
4	66	81	108	60	16	331	0.64	2.33	0.51	0.49
5	56	76	101	51	17	301	0.64	2.32	0.5	0.47
6	55	72	95	63	21	306	0.64	2.4	0.53	0.46
7	61	78	94	58	12	303	0.63	2.79	0.51	0.48
8	54	79	88	52	18	291	0.61	2.42	0.51	0.43
9	67	75	96	65	17	320	0.65	2.93	0.54	0.47
10	60	76	111	67	16	330	0.65	2.83	0.53	0.5
11	65	83	91	57	16	312	0.6	2.69	0.49	0.42

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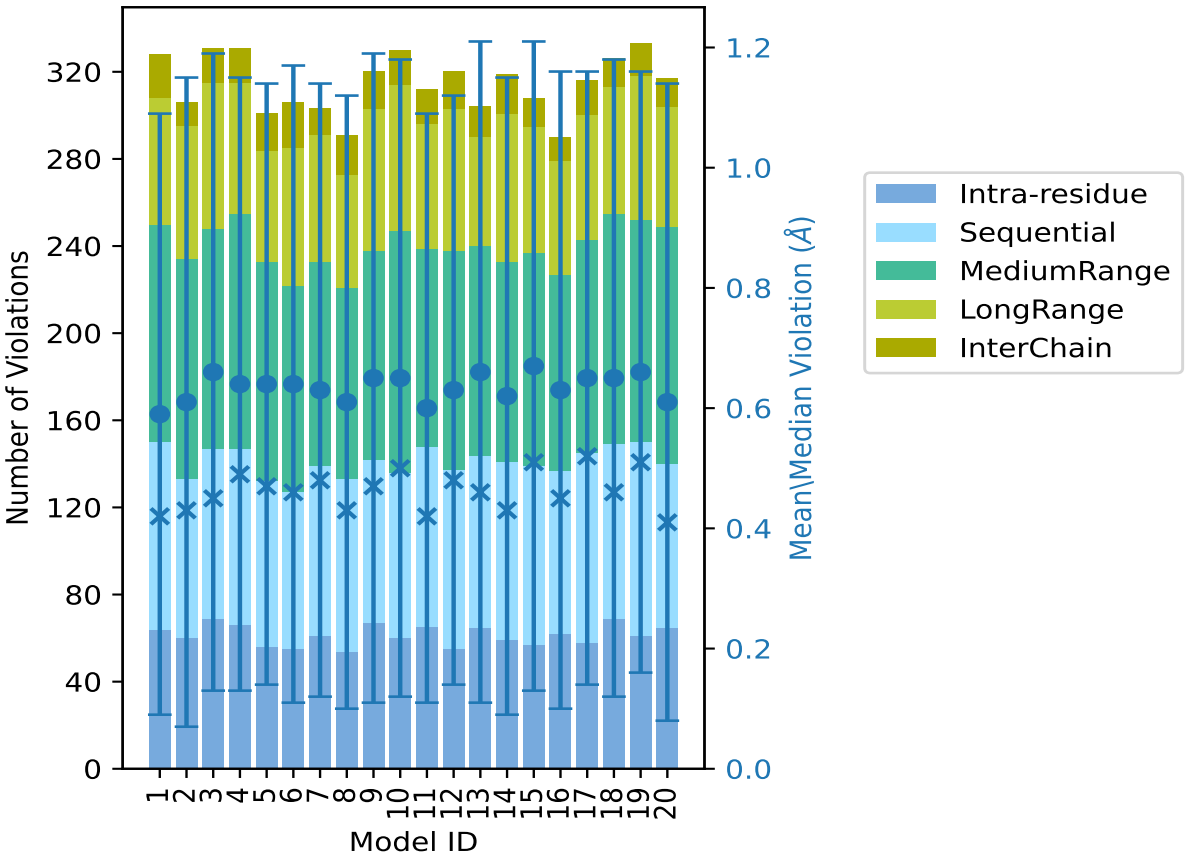
Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
12	55	82	101	65	17	320	0.63	2.93	0.49	0.48
13	65	79	96	50	14	304	0.66	2.95	0.55	0.46
14	59	82	92	68	18	319	0.62	3.27	0.53	0.43
15	57	82	98	58	13	308	0.67	3.01	0.54	0.51
16	62	75	90	52	11	290	0.63	3.03	0.53	0.45
17	58	87	98	57	16	316	0.65	2.72	0.51	0.52
18	69	80	106	58	13	326	0.65	3.0	0.53	0.46
19	61	89	102	66	15	333	0.66	2.36	0.5	0.51
20	65	75	109	55	13	317	0.61	3.35	0.53	0.41

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

9.2.1 Bar graph : Distance Violation statistics for each model



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

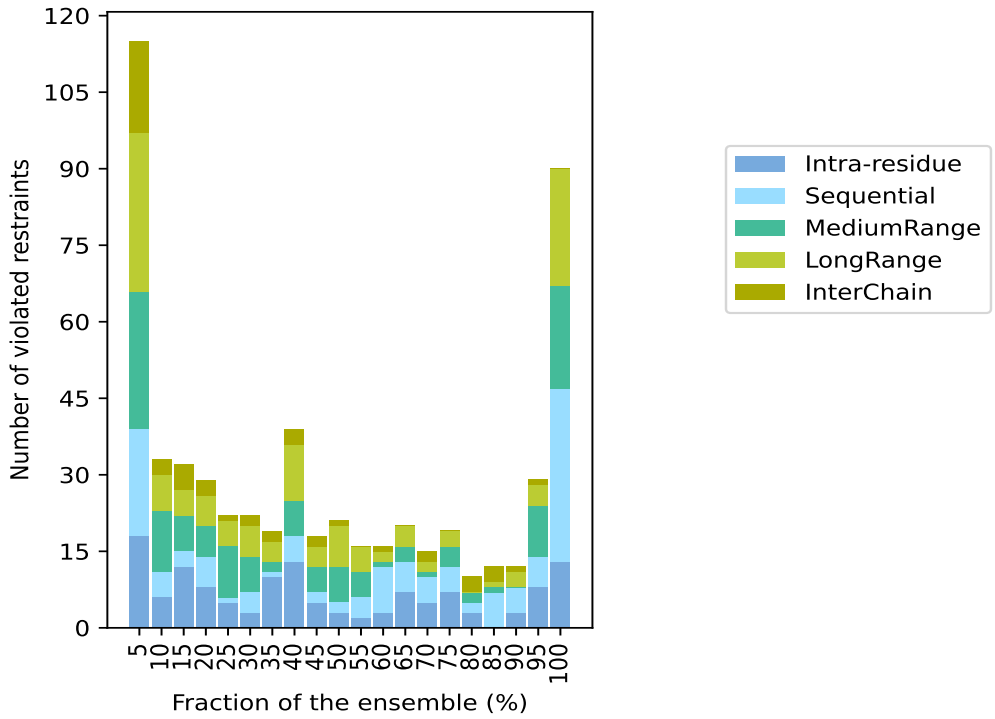
9.3 Distance violation statistics for the ensemble (i)

Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 2559(IR:974, SQ:562, MR:485, LR:401, IC:137) restraints are not violated in the ensemble.

Number of violated restraints						Fraction of the ensemble	
IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total	Count[6]	%
18	21	27	31	18	115	1	5.0
6	5	12	7	3	33	2	10.0
12	3	7	5	5	32	3	15.0
8	6	6	6	3	29	4	20.0
5	1	10	5	1	22	5	25.0
3	4	7	6	2	22	6	30.0
10	1	2	4	2	19	7	35.0
13	5	7	11	3	39	8	40.0
5	2	5	4	2	18	9	45.0
3	2	7	8	1	21	10	50.0
2	4	5	5	0	16	11	55.0
3	9	1	2	1	16	12	60.0
7	6	3	4	0	20	13	65.0
5	5	1	2	2	15	14	70.0
7	5	4	3	0	19	15	75.0
3	2	2	0	3	10	16	80.0
0	7	1	1	3	12	17	85.0
3	5	0	3	1	12	18	90.0
8	6	10	4	1	29	19	95.0
13	34	20	23	0	90	20	100.0

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

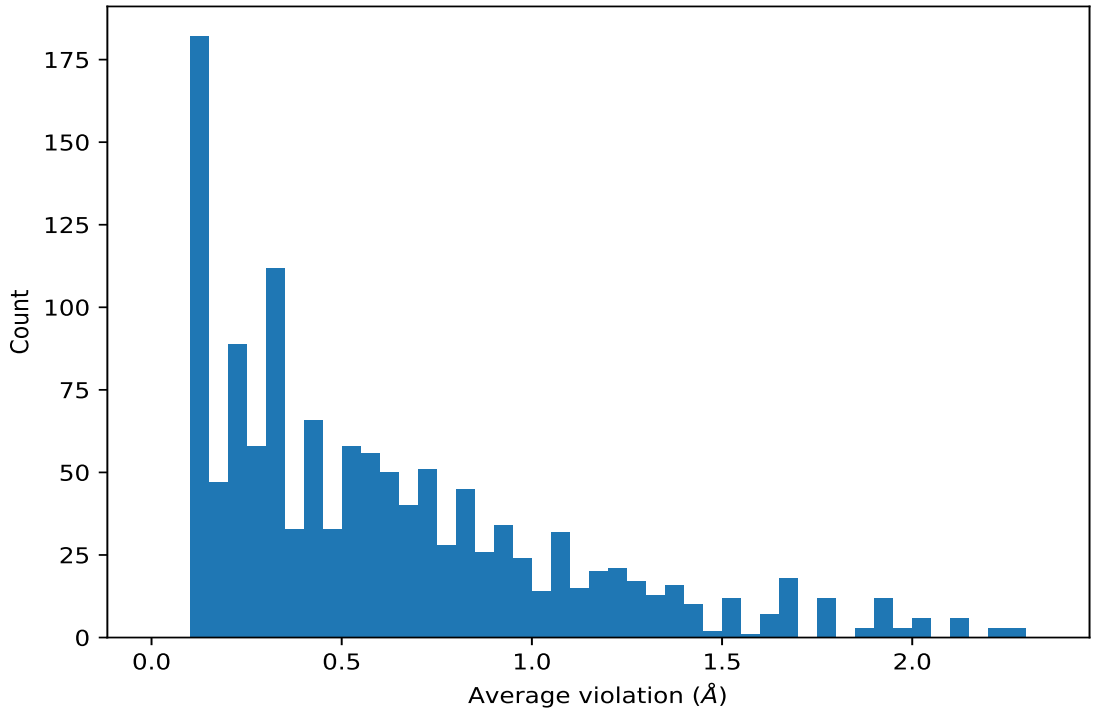
9.3.1 Bar graph : Distance violation statistics for the ensemble



9.4 Most violated distance restraints in the ensemble

9.4.1 Histogram : Distribution of mean distance violations

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



9.4.2 Table: Most violated distance restraints (i)

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

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1364)	1:34:A:VAL:HG21	1:132:A:LEU:HB3	20	2.3	0.06	2.32
(1,1364)	1:34:A:VAL:HG22	1:132:A:LEU:HB3	20	2.3	0.06	2.32
(1,1364)	1:34:A:VAL:HG23	1:132:A:LEU:HB3	20	2.3	0.06	2.32
(1,2616)	1:27:A:VAL:HG21	1:177:A:TRP:HZ2	20	2.14	0.1	2.16
(1,2616)	1:27:A:VAL:HG22	1:177:A:TRP:HZ2	20	2.14	0.1	2.16
(1,2616)	1:27:A:VAL:HG23	1:177:A:TRP:HZ2	20	2.14	0.1	2.16
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG11	20	2.0	0.26	2.09
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG12	20	2.0	0.26	2.09
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG13	20	2.0	0.26	2.09
(1,347)	1:34:A:VAL:HG11	1:71:A:MET:H	20	1.96	0.19	2.01
(1,347)	1:34:A:VAL:HG12	1:71:A:MET:H	20	1.96	0.19	2.01
(1,347)	1:34:A:VAL:HG13	1:71:A:MET:H	20	1.96	0.19	2.01
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG21	20	1.95	0.31	2.06
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG22	20	1.95	0.31	2.06
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG23	20	1.95	0.31	2.06
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG21	20	1.95	0.31	2.06

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG22	20	1.95	0.31	2.06
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG23	20	1.95	0.31	2.06
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG21	20	1.95	0.31	2.06
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG22	20	1.95	0.31	2.06
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG23	20	1.95	0.31	2.06
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD21	20	1.89	1.11	2.45
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD22	20	1.89	1.11	2.45
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD23	20	1.89	1.11	2.45
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD11	20	1.79	0.72	2.24
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD12	20	1.79	0.72	2.24
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD13	20	1.79	0.72	2.24
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE1	20	1.77	0.2	1.82
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE2	20	1.77	0.2	1.82
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE3	20	1.77	0.2	1.82
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE1	20	1.77	0.2	1.82
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE2	20	1.77	0.2	1.82
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE3	20	1.77	0.2	1.82
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE1	20	1.77	0.2	1.82
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE2	20	1.77	0.2	1.82
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE3	20	1.77	0.2	1.82
(1,1126)	1:153:A:GLN:HG3	1:152:A:GLY:HA2	20	1.6	0.47	1.88
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG11	20	1.6	0.09	1.65
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG12	20	1.6	0.09	1.65
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG13	20	1.6	0.09	1.65
(1,2612)	1:35:A:PHE:HB3	1:177:A:TRP:HZ2	20	1.56	0.1	1.56
(1,1344)	1:34:A:VAL:HG21	1:38:A:TYR:HB3	20	1.43	0.07	1.41
(1,1344)	1:34:A:VAL:HG22	1:38:A:TYR:HB3	20	1.43	0.07	1.41
(1,1344)	1:34:A:VAL:HG23	1:38:A:TYR:HB3	20	1.43	0.07	1.41
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG21	20	1.39	0.26	1.48
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG22	20	1.39	0.26	1.48
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG23	20	1.39	0.26	1.48
(1,618)	1:113:A:LYS:HG3	1:116:A:THR:HB	20	1.35	0.18	1.38
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD11	20	1.3	0.41	1.34
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD12	20	1.3	0.41	1.34
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD13	20	1.3	0.41	1.34
(1,1783)	1:75:A:GLY:HA3	1:78:A:LEU:HG	20	1.27	0.01	1.27
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE1	20	1.25	0.58	0.98
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE2	20	1.25	0.58	0.98
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE3	20	1.25	0.58	0.98
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE1	20	1.25	0.58	0.98
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE2	20	1.25	0.58	0.98
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE3	20	1.25	0.58	0.98

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE1	20	1.25	0.58	0.98
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE2	20	1.25	0.58	0.98
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE3	20	1.25	0.58	0.98
(1,404)	1:34:A:VAL:HG21	1:78:A:LEU:H	20	1.24	0.2	1.31
(1,404)	1:34:A:VAL:HG22	1:78:A:LEU:H	20	1.24	0.2	1.31
(1,404)	1:34:A:VAL:HG23	1:78:A:LEU:H	20	1.24	0.2	1.31
(1,1549)	1:61:A:VAL:HG11	1:60:A:MET:HB3	20	1.24	0.72	1.14
(1,1549)	1:61:A:VAL:HG12	1:60:A:MET:HB3	20	1.24	0.72	1.14
(1,1549)	1:61:A:VAL:HG13	1:60:A:MET:HB3	20	1.24	0.72	1.14
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG11	20	1.19	0.43	1.1
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG12	20	1.19	0.43	1.1
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG13	20	1.19	0.43	1.1
(1,1012)	1:27:A:VAL:HG11	1:172:A:ALA:HA	20	1.18	0.1	1.18
(1,1012)	1:27:A:VAL:HG12	1:172:A:ALA:HA	20	1.18	0.1	1.18
(1,1012)	1:27:A:VAL:HG13	1:172:A:ALA:HA	20	1.18	0.1	1.18
(1,108)	1:74:A:VAL:HG11	1:73:A:GLN:H	20	1.18	0.1	1.19
(1,108)	1:74:A:VAL:HG12	1:73:A:GLN:H	20	1.18	0.1	1.19
(1,108)	1:74:A:VAL:HG13	1:73:A:GLN:H	20	1.18	0.1	1.19
(1,1757)	1:19:A:LEU:HB3	1:20:A:PRO:HG3	20	1.15	0.22	1.1
(1,1071)	1:66:A:GLN:HE22	1:67:A:PRO:HD3	20	1.14	0.39	1.22
(1,1151)	1:27:A:VAL:HG11	1:176:A:GLY:HA3	20	1.12	0.14	1.11
(1,1151)	1:27:A:VAL:HG12	1:176:A:GLY:HA3	20	1.12	0.14	1.11
(1,1151)	1:27:A:VAL:HG13	1:176:A:GLY:HA3	20	1.12	0.14	1.11
(1,1747)	1:142:A:VAL:H	1:102:A:PRO:HG3	20	1.12	0.31	1.18
(1,239)	1:98:A:GLN:HB3	1:97:A:LEU:H	20	1.11	0.13	1.13
(1,2921)	2:92:B:MK8:HB1A	2:95:B:ASP:HB3	20	1.1	0.26	1.16
(1,2921)	2:92:B:MK8:HB1B	2:95:B:ASP:HB3	20	1.1	0.26	1.16
(1,1735)	1:102:A:PRO:HD3	1:101:A:GLN:HB3	20	1.09	0.03	1.1
(1,2582)	1:140:A:LEU:HB3	1:136:A:TYR:HE1	20	1.07	0.34	1.14
(1,2582)	1:140:A:LEU:HB3	1:136:A:TYR:HE2	20	1.07	0.34	1.14
(1,1063)	1:19:A:LEU:HB3	1:18:A:ALA:HA	20	1.05	0.24	1.14
(1,653)	1:73:A:GLN:HG3	1:70:A:THR:HA	20	0.99	0.3	0.96
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG11	20	0.99	0.38	0.92
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG12	20	0.99	0.38	0.92
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG13	20	0.99	0.38	0.92
(1,1554)	1:33:A:GLU:HB3	1:34:A:VAL:HB	20	0.98	0.15	0.97
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG11	20	0.94	0.13	0.94
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG12	20	0.94	0.13	0.94
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG13	20	0.94	0.13	0.94
(1,1129)	1:155:A:THR:HG21	1:152:A:GLY:HA3	20	0.93	0.14	0.95
(1,1129)	1:155:A:THR:HG22	1:152:A:GLY:HA3	20	0.93	0.14	0.95
(1,1129)	1:155:A:THR:HG23	1:152:A:GLY:HA3	20	0.93	0.14	0.95

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,890)	1:77:A:GLN:HB3	1:76:A:ARG:HA	20	0.91	0.09	0.92
(1,801)	1:34:A:VAL:HG21	1:35:A:PHE:HA	20	0.9	0.0	0.9
(1,801)	1:34:A:VAL:HG22	1:35:A:PHE:HA	20	0.9	0.0	0.9
(1,801)	1:34:A:VAL:HG23	1:35:A:PHE:HA	20	0.9	0.0	0.9
(1,920)	1:20:A:PRO:HB3	1:21:A:SER:HA	20	0.9	0.11	0.89
(1,1663)	1:27:A:VAL:HG11	1:24:A:GLU:HB3	20	0.9	0.43	0.75
(1,1663)	1:27:A:VAL:HG12	1:24:A:GLU:HB3	20	0.9	0.43	0.75
(1,1663)	1:27:A:VAL:HG13	1:24:A:GLU:HB3	20	0.9	0.43	0.75
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG11	20	0.89	0.09	0.9
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG12	20	0.89	0.09	0.9
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG13	20	0.89	0.09	0.9
(1,1136)	1:50:A:GLU:HB3	1:51:A:GLY:HA3	20	0.87	0.54	0.54
(1,2532)	1:34:A:VAL:HG21	1:177:A:TRP:HH2	20	0.87	0.12	0.87
(1,2532)	1:34:A:VAL:HG22	1:177:A:TRP:HH2	20	0.87	0.12	0.87
(1,2532)	1:34:A:VAL:HG23	1:177:A:TRP:HH2	20	0.87	0.12	0.87
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG11	20	0.83	0.18	0.86
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG12	20	0.83	0.18	0.86
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG13	20	0.83	0.18	0.86
(1,689)	1:98:A:GLN:HB3	1:95:A:THR:HA	20	0.82	0.13	0.82
(1,2939)	2:99:B:ARG:HG3	2:100:B:SER:H	20	0.8	0.29	0.72
(1,2398)	1:37:A:SER:HB3	1:40:A:PHE:HD1	20	0.79	0.47	1.05
(1,2398)	1:37:A:SER:HB3	1:40:A:PHE:HD2	20	0.79	0.47	1.05
(1,1128)	1:155:A:THR:HB	1:152:A:GLY:HA3	20	0.78	0.4	0.62
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG11	20	0.76	0.02	0.75
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG12	20	0.76	0.02	0.75
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG13	20	0.76	0.02	0.75
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG21	20	0.75	0.34	0.9
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG22	20	0.75	0.34	0.9
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG23	20	0.75	0.34	0.9
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG11	20	0.74	0.29	0.82
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG12	20	0.74	0.29	0.82
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG13	20	0.74	0.29	0.82
(1,1676)	1:101:A:GLN:HG3	1:99:A:HIS:HB3	20	0.73	0.47	0.63
(1,204)	1:152:A:GLY:HA3	1:156:A:ARG:H	20	0.73	0.03	0.73
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG11	20	0.72	0.0	0.72
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG12	20	0.72	0.0	0.72
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG13	20	0.72	0.0	0.72
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD11	20	0.72	0.07	0.72
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD12	20	0.72	0.07	0.72
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD13	20	0.72	0.07	0.72
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD21	20	0.72	0.07	0.72
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD22	20	0.72	0.07	0.72

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD23	20	0.72	0.07	0.72
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD11	20	0.72	0.07	0.72
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD12	20	0.72	0.07	0.72
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD13	20	0.72	0.07	0.72
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD21	20	0.72	0.07	0.72
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD22	20	0.72	0.07	0.72
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD23	20	0.72	0.07	0.72
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD11	20	0.72	0.07	0.72
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD12	20	0.72	0.07	0.72
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD13	20	0.72	0.07	0.72
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD21	20	0.72	0.07	0.72
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD22	20	0.72	0.07	0.72
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD23	20	0.72	0.07	0.72
(1,1424)	1:163:A:LEU:HD11	1:25:A:GLU:HG3	20	0.72	0.26	0.68
(1,1424)	1:163:A:LEU:HD12	1:25:A:GLU:HG3	20	0.72	0.26	0.68
(1,1424)	1:163:A:LEU:HD13	1:25:A:GLU:HG3	20	0.72	0.26	0.68
(1,1424)	1:163:A:LEU:HD21	1:25:A:GLU:HG3	20	0.72	0.26	0.68
(1,1424)	1:163:A:LEU:HD22	1:25:A:GLU:HG3	20	0.72	0.26	0.68
(1,1424)	1:163:A:LEU:HD23	1:25:A:GLU:HG3	20	0.72	0.26	0.68
(1,1755)	1:56:A:ALA:H	1:55:A:PRO:HG3	20	0.68	0.25	0.72
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG21	20	0.65	0.29	0.72
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG22	20	0.65	0.29	0.72
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG23	20	0.65	0.29	0.72
(1,1545)	1:103:A:THR:HA	1:102:A:PRO:HB3	20	0.64	0.01	0.64
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG11	20	0.62	0.01	0.62
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG12	20	0.62	0.01	0.62
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG13	20	0.62	0.01	0.62
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG21	20	0.59	0.16	0.54
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG22	20	0.59	0.16	0.54
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG23	20	0.59	0.16	0.54
(1,1684)	1:29:A:GLN:HG3	1:29:A:GLN:HB3	20	0.58	0.02	0.6
(1,427)	1:99:A:HIS:HB3	1:99:A:HIS:H	20	0.58	0.01	0.58
(1,2728)	2:92:B:MK8:HB1A	2:95:B:ASP:H	20	0.58	0.15	0.57
(1,2728)	2:92:B:MK8:HB1B	2:95:B:ASP:H	20	0.58	0.15	0.57
(1,536)	1:67:A:PRO:HB3	1:68:A:SER:H	20	0.58	0.01	0.58
(1,2683)	2:84:B:ARG:HA	2:84:B:ARG:HD3	20	0.58	0.41	0.34
(1,1418)	1:120:A:GLU:H	1:120:A:GLU:HG3	20	0.57	0.21	0.67
(1,733)	1:26:A:GLN:HG3	1:23:A:SER:HB3	20	0.54	0.31	0.51
(1,1739)	1:55:A:PRO:HA	1:55:A:PRO:HG3	20	0.52	0.0	0.52
(1,2417)	1:136:A:TYR:HB3	1:35:A:PHE:HE1	20	0.52	0.23	0.52
(1,2417)	1:136:A:TYR:HB3	1:35:A:PHE:HE2	20	0.52	0.23	0.52
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG11	20	0.52	0.01	0.52

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG12	20	0.52	0.01	0.52
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG13	20	0.52	0.01	0.52
(1,1296)	1:84:A:ASP:H	1:84:A:ASP:HB3	20	0.5	0.14	0.58
(1,1047)	1:20:A:PRO:HG3	1:19:A:LEU:HA	20	0.45	0.01	0.45
(1,1016)	1:183:A:LEU:HD11	1:183:A:LEU:HA	20	0.44	0.04	0.42
(1,1016)	1:183:A:LEU:HD12	1:183:A:LEU:HA	20	0.44	0.04	0.42
(1,1016)	1:183:A:LEU:HD13	1:183:A:LEU:HA	20	0.44	0.04	0.42
(1,283)	1:42:A:ARG:HB3	1:41:A:TYR:H	20	0.43	0.21	0.39
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB1	20	0.42	0.11	0.44
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB2	20	0.42	0.11	0.44
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB3	20	0.42	0.11	0.44
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB1	20	0.42	0.11	0.44
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB2	20	0.42	0.11	0.44
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB3	20	0.42	0.11	0.44
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB1	20	0.42	0.11	0.44
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB2	20	0.42	0.11	0.44
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB3	20	0.42	0.11	0.44
(2,129)	1:28:A:ALA:O	1:32:A:GLU:N	20	0.4	0.06	0.38
(1,252)	1:51:A:GLY:HA3	1:52:A:VAL:H	20	0.38	0.06	0.4
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG11	20	0.38	0.07	0.36
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG12	20	0.38	0.07	0.36
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG13	20	0.38	0.07	0.36
(2,132)	1:32:A:GLU:O	1:36:A:ARG:N	20	0.37	0.02	0.37
(1,1638)	1:88:A:ARG:H	1:87:A:ARG:HB3	20	0.34	0.09	0.32
(2,147)	1:110:A:TYR:O	1:114:A:ILE:N	20	0.34	0.02	0.34
(2,133)	1:33:A:GLU:O	1:37:A:SER:N	20	0.33	0.03	0.34
(1,1083)	1:19:A:LEU:HB3	1:20:A:PRO:HD3	20	0.33	0.12	0.31
(1,72)	1:34:A:VAL:HG21	1:38:A:TYR:H	20	0.32	0.06	0.32
(1,72)	1:34:A:VAL:HG22	1:38:A:TYR:H	20	0.32	0.06	0.32
(1,72)	1:34:A:VAL:HG23	1:38:A:TYR:H	20	0.32	0.06	0.32
(1,1482)	1:45:A:GLN:HB3	1:45:A:GLN:HG3	20	0.32	0.03	0.34
(2,155)	1:151:A:LEU:O	1:155:A:THR:N	20	0.32	0.03	0.31
(1,2922)	2:92:B:MK8:HB1A	2:93:B:VAL:H	20	0.32	0.03	0.32
(1,2922)	2:92:B:MK8:HB1B	2:93:B:VAL:H	20	0.32	0.03	0.32
(2,161)	1:168:A:ALA:O	1:172:A:ALA:N	20	0.31	0.03	0.32
(2,135)	1:35:A:PHE:O	1:39:A:VAL:N	20	0.31	0.04	0.31
(1,1836)	1:175:A:GLY:H	1:174:A:ARG:HG3	20	0.31	0.04	0.32
(2,148)	1:111:A:PHE:O	1:115:A:ALA:N	20	0.31	0.03	0.32
(2,149)	1:112:A:THR:O	1:116:A:THR:N	20	0.3	0.02	0.3
(1,130)	1:106:A:ASN:HB3	1:107:A:ALA:H	20	0.28	0.06	0.28
(2,160)	1:159:A:VAL:O	1:163:A:LEU:N	20	0.27	0.07	0.3
(2,145)	1:106:A:ASN:O	1:110:A:TYR:N	20	0.25	0.06	0.26

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,163)	1:170:A:TRP:O	1:174:A:ARG:N	20	0.25	0.03	0.26
(2,151)	1:127:A:ARG:O	1:131:A:LEU:N	20	0.25	0.05	0.26
(2,137)	1:38:A:TYR:O	1:42:A:ARG:N	20	0.25	0.05	0.24
(1,397)	1:20:A:PRO:HB3	1:21:A:SER:H	20	0.24	0.06	0.22
(2,156)	1:152:A:GLY:O	1:156:A:ARG:N	20	0.24	0.05	0.24
(1,1264)	1:20:A:PRO:HA	1:19:A:LEU:HB3	20	0.22	0.27	0.14
(2,150)	1:113:A:LYS:O	1:117:A:SER:N	20	0.22	0.05	0.21
(1,78)	1:64:A:PRO:HB3	1:65:A:LEU:H	20	0.19	0.03	0.19
(2,87)	1:132:A:LEU:O	1:136:A:TYR:H	20	0.16	0.02	0.16
(1,1084)	1:19:A:LEU:H	1:20:A:PRO:HD3	20	0.14	0.01	0.15
(1,1756)	1:20:A:PRO:HA	1:20:A:PRO:HG3	20	0.13	0.0	0.13
(1,2805)	2:81:B:ASP:HA	2:84:B:ARG:HB3	19	1.32	0.52	1.52
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB1	19	1.21	0.44	1.35
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB2	19	1.21	0.44	1.35
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB3	19	1.21	0.44	1.35
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB1	19	1.21	0.44	1.35
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB2	19	1.21	0.44	1.35
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB3	19	1.21	0.44	1.35
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB1	19	1.21	0.44	1.35
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB2	19	1.21	0.44	1.35
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB3	19	1.21	0.44	1.35
(1,1429)	1:159:A:VAL:HG11	1:32:A:GLU:HG3	19	1.09	0.33	1.3
(1,1429)	1:159:A:VAL:HG12	1:32:A:GLU:HG3	19	1.09	0.33	1.3
(1,1429)	1:159:A:VAL:HG13	1:32:A:GLU:HG3	19	1.09	0.33	1.3
(1,1062)	1:23:A:SER:HB3	1:22:A:ALA:HA	19	1.06	0.34	1.19
(1,1419)	1:116:A:THR:HA	1:120:A:GLU:HG3	19	1.05	0.48	1.29
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD21	19	0.97	0.15	1.01
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD22	19	0.97	0.15	1.01
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD23	19	0.97	0.15	1.01
(1,1675)	1:84:A:ASP:HB3	1:85:A:ILE:HG13	19	0.96	0.41	1.05
(1,513)	1:150:A:PHE:HA	1:153:A:GLN:HE22	19	0.91	0.2	0.93
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB1	19	0.83	0.19	0.83
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB2	19	0.83	0.19	0.83
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB3	19	0.83	0.19	0.83
(1,1497)	1:150:A:PHE:HB3	1:153:A:GLN:HG3	19	0.76	0.32	0.75
(1,282)	1:47:A:GLN:HB3	1:47:A:GLN:H	19	0.74	0.16	0.74
(1,962)	1:163:A:LEU:HB3	1:160:A:ASP:HA	19	0.7	0.48	0.53
(1,530)	1:26:A:GLN:HB3	1:26:A:GLN:HE22	19	0.67	0.01	0.68
(1,1738)	1:77:A:GLN:HE22	1:77:A:GLN:HB3	19	0.61	0.27	0.73
(1,2667)	2:92:B:MK8:HB1A	2:95:B:ASP:HB3	19	0.58	0.23	0.66
(1,2667)	2:92:B:MK8:HB1B	2:95:B:ASP:HB3	19	0.58	0.23	0.66
(1,661)	1:34:A:VAL:HG11	1:31:A:THR:HA	19	0.52	0.07	0.52

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,661)	1:34:A:VAL:HG12	1:31:A:THR:HA	19	0.52	0.07	0.52
(1,661)	1:34:A:VAL:HG13	1:31:A:THR:HA	19	0.52	0.07	0.52
(1,205)	1:156:A:ARG:HB3	1:156:A:ARG:H	19	0.5	0.01	0.5
(1,923)	1:76:A:ARG:HG3	1:77:A:GLN:HA	19	0.49	0.26	0.45
(1,1263)	1:19:A:LEU:H	1:19:A:LEU:HB3	19	0.45	0.02	0.44
(1,2822)	2:88:B:ARG:HA	2:88:B:ARG:HD3	19	0.44	0.28	0.28
(1,1449)	1:109:A:GLU:H	1:109:A:GLU:HG3	19	0.41	0.1	0.42
(1,336)	1:127:A:ARG:HB3	1:124:A:ASN:H	19	0.35	0.11	0.36
(1,318)	1:27:A:VAL:HG11	1:177:A:TRP:H	19	0.32	0.12	0.35
(1,318)	1:27:A:VAL:HG12	1:177:A:TRP:H	19	0.32	0.12	0.35
(1,318)	1:27:A:VAL:HG13	1:177:A:TRP:H	19	0.32	0.12	0.35
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG21	19	0.32	0.08	0.31
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG22	19	0.32	0.08	0.31
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG23	19	0.32	0.08	0.31
(1,475)	1:152:A:GLY:HA3	1:155:A:THR:H	19	0.32	0.08	0.32
(2,143)	1:93:A:PHE:O	1:97:A:LEU:N	19	0.26	0.06	0.25
(2,127)	1:24:A:GLU:O	1:28:A:ALA:N	19	0.26	0.04	0.25
(1,2901)	2:86:B:ILE:HG21	2:86:B:ILE:HG13	19	0.24	0.01	0.25
(1,2901)	2:86:B:ILE:HG22	2:86:B:ILE:HG13	19	0.24	0.01	0.25
(1,2901)	2:86:B:ILE:HG23	2:86:B:ILE:HG13	19	0.24	0.01	0.25
(1,3103)	1:89:A:TYR:HD1	2:92:B:MK8:HB1A	19	0.24	0.06	0.23
(1,3103)	1:89:A:TYR:HD1	2:92:B:MK8:HB1B	19	0.24	0.06	0.23
(1,3103)	1:89:A:TYR:HD2	2:92:B:MK8:HB1A	19	0.24	0.06	0.23
(1,3103)	1:89:A:TYR:HD2	2:92:B:MK8:HB1B	19	0.24	0.06	0.23
(1,1661)	1:106:A:ASN:H	1:105:A:GLU:HB3	19	0.23	0.04	0.21
(1,1088)	1:65:A:LEU:H	1:64:A:PRO:HD3	19	0.21	0.04	0.21
(2,162)	1:169:A:ARG:O	1:173:A:GLN:N	19	0.19	0.03	0.19
(1,1750)	1:142:A:VAL:HG21	1:102:A:PRO:HG3	18	1.32	0.27	1.48
(1,1750)	1:142:A:VAL:HG22	1:102:A:PRO:HG3	18	1.32	0.27	1.48
(1,1750)	1:142:A:VAL:HG23	1:102:A:PRO:HG3	18	1.32	0.27	1.48
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG21	18	1.15	0.38	1.06
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG22	18	1.15	0.38	1.06
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG23	18	1.15	0.38	1.06
(1,839)	1:63:A:LEU:HB3	1:62:A:THR:HA	18	0.9	0.41	0.73
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD11	18	0.73	0.39	0.66
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD12	18	0.73	0.39	0.66
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD13	18	0.73	0.39	0.66
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD21	18	0.73	0.12	0.69
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD22	18	0.73	0.12	0.69
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD23	18	0.73	0.12	0.69
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG21	18	0.58	0.27	0.55
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG22	18	0.58	0.27	0.55

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG23	18	0.58	0.27	0.55
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG21	18	0.58	0.27	0.55
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG22	18	0.58	0.27	0.55
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG23	18	0.58	0.27	0.55
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG21	18	0.58	0.27	0.55
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG22	18	0.58	0.27	0.55
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG23	18	0.58	0.27	0.55
(1,2934)	2:99:B:ARG:HA	2:99:B:ARG:HG3	18	0.52	0.12	0.56
(1,180)	1:46:A:GLU:HB3	1:46:A:GLU:H	18	0.38	0.1	0.4
(1,868)	1:25:A:GLU:HG3	1:25:A:GLU:HA	18	0.34	0.11	0.31
(2,154)	1:150:A:PHE:O	1:154:A:VAL:N	18	0.24	0.05	0.26
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG21	18	0.22	0.05	0.22
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG22	18	0.22	0.05	0.22
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG23	18	0.22	0.05	0.22
(2,144)	1:94:A:GLN:O	1:98:A:GLN:N	18	0.21	0.05	0.22
(2,141)	1:82:A:GLY:O	1:86:A:ASN:N	18	0.2	0.05	0.21
(2,152)	1:131:A:LEU:O	1:135:A:GLY:N	18	0.14	0.03	0.13
(1,1760)	1:68:A:SER:H	1:67:A:PRO:HG3	18	0.12	0.01	0.12
(1,1145)	1:174:A:ARG:H	1:175:A:GLY:HA3	18	0.11	0.01	0.11
(1,1740)	1:63:A:LEU:HD11	1:64:A:PRO:HG3	17	1.45	1.01	0.88
(1,1740)	1:63:A:LEU:HD12	1:64:A:PRO:HG3	17	1.45	1.01	0.88
(1,1740)	1:63:A:LEU:HD13	1:64:A:PRO:HG3	17	1.45	1.01	0.88
(1,1682)	1:163:A:LEU:HB3	1:164:A:HIS:HB3	17	1.31	0.32	1.17
(1,1746)	1:86:A:ASN:HB3	1:87:A:ARG:HG3	17	1.16	0.5	1.11
(1,1872)	1:64:A:PRO:HD3	1:63:A:LEU:HD11	17	1.07	0.8	0.65
(1,1872)	1:64:A:PRO:HD3	1:63:A:LEU:HD12	17	1.07	0.8	0.65
(1,1872)	1:64:A:PRO:HD3	1:63:A:LEU:HD13	17	1.07	0.8	0.65
(1,1660)	1:47:A:GLN:HE21	1:46:A:GLU:HB3	17	0.83	0.52	0.73
(1,1479)	1:34:A:VAL:HG11	1:71:A:MET:HG3	17	0.68	0.48	0.44
(1,1479)	1:34:A:VAL:HG12	1:71:A:MET:HG3	17	0.68	0.48	0.44
(1,1479)	1:34:A:VAL:HG13	1:71:A:MET:HG3	17	0.68	0.48	0.44
(1,3044)	1:81:A:ILE:HG21	2:101:B:ILE:HG13	17	0.65	0.05	0.64
(1,3044)	1:81:A:ILE:HG22	2:101:B:ILE:HG13	17	0.65	0.05	0.64
(1,3044)	1:81:A:ILE:HG23	2:101:B:ILE:HG13	17	0.65	0.05	0.64
(1,538)	1:22:A:ALA:HA	1:26:A:GLN:HE22	17	0.46	0.17	0.45
(1,1766)	1:20:A:PRO:HD3	1:19:A:LEU:HG	17	0.32	0.13	0.29
(2,138)	1:39:A:VAL:O	1:43:A:HIS:N	17	0.29	0.05	0.29
(1,766)	1:38:A:TYR:H	1:37:A:SER:HB3	17	0.26	0.11	0.21
(1,3096)	1:126:A:GLY:H	2:98:B:ASP:HB3	17	0.26	0.03	0.25
(1,2979)	1:81:A:ILE:HG21	2:101:B:ILE:HG13	17	0.22	0.05	0.21
(1,2979)	1:81:A:ILE:HG22	2:101:B:ILE:HG13	17	0.22	0.05	0.21
(1,2979)	1:81:A:ILE:HG23	2:101:B:ILE:HG13	17	0.22	0.05	0.21

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1983)	1:36:A:ARG:HG3	1:39:A:VAL:HG21	16	1.62	1.06	1.08
(1,1983)	1:36:A:ARG:HG3	1:39:A:VAL:HG22	16	1.62	1.06	1.08
(1,1983)	1:36:A:ARG:HG3	1:39:A:VAL:HG23	16	1.62	1.06	1.08
(1,3097)	1:126:A:GLY:H	2:101:B:ILE:HG13	16	1.29	0.27	1.33
(1,2318)	1:84:A:ASP:HB3	1:85:A:ILE:HD11	16	0.9	0.4	0.98
(1,2318)	1:84:A:ASP:HB3	1:85:A:ILE:HD12	16	0.9	0.4	0.98
(1,2318)	1:84:A:ASP:HB3	1:85:A:ILE:HD13	16	0.9	0.4	0.98
(1,2902)	2:87:B:ALA:HA	2:90:B:LEU:HB3	16	0.61	0.28	0.58
(1,365)	1:87:A:ARG:HB3	1:87:A:ARG:HE	16	0.58	0.16	0.58
(1,410)	1:94:A:GLN:HE22	1:95:A:THR:H	16	0.52	0.28	0.55
(1,452)	1:23:A:SER:HB3	1:23:A:SER:H	16	0.41	0.05	0.4
(1,2851)	2:88:B:ARG:HB3	2:88:B:ARG:HG3	16	0.23	0.08	0.21
(1,3065)	1:114:A:ILE:HD11	2:86:B:ILE:HG13	16	0.18	0.04	0.18
(1,3065)	1:114:A:ILE:HD12	2:86:B:ILE:HG13	16	0.18	0.04	0.18
(1,3065)	1:114:A:ILE:HD13	2:86:B:ILE:HG13	16	0.18	0.04	0.18
(1,3095)	1:117:A:SER:H	2:87:B:ALA:HB1	16	0.14	0.02	0.14
(1,3095)	1:117:A:SER:H	2:87:B:ALA:HB2	16	0.14	0.02	0.14
(1,3095)	1:117:A:SER:H	2:87:B:ALA:HB3	16	0.14	0.02	0.14
(2,88)	1:132:A:LEU:O	1:136:A:TYR:N	16	0.13	0.02	0.13
(1,256)	1:159:A:VAL:HG11	1:158:A:VAL:H	15	1.68	0.08	1.68
(1,256)	1:159:A:VAL:HG12	1:158:A:VAL:H	15	1.68	0.08	1.68
(1,256)	1:159:A:VAL:HG13	1:158:A:VAL:H	15	1.68	0.08	1.68
(1,963)	1:159:A:VAL:HG21	1:160:A:ASP:HA	15	1.52	0.01	1.52
(1,963)	1:159:A:VAL:HG22	1:160:A:ASP:HA	15	1.52	0.01	1.52
(1,963)	1:159:A:VAL:HG23	1:160:A:ASP:HA	15	1.52	0.01	1.52
(1,854)	1:159:A:VAL:HG11	1:32:A:GLU:HA	15	1.4	0.23	1.43
(1,854)	1:159:A:VAL:HG12	1:32:A:GLU:HA	15	1.4	0.23	1.43
(1,854)	1:159:A:VAL:HG13	1:32:A:GLU:HA	15	1.4	0.23	1.43
(1,2580)	1:37:A:SER:HB3	1:41:A:TYR:HE1	15	1.33	0.5	1.56
(1,2580)	1:37:A:SER:HB3	1:41:A:TYR:HE2	15	1.33	0.5	1.56
(1,1570)	1:159:A:VAL:HG11	1:158:A:VAL:HB	15	1.24	0.18	1.21
(1,1570)	1:159:A:VAL:HG12	1:158:A:VAL:HB	15	1.24	0.18	1.21
(1,1570)	1:159:A:VAL:HG13	1:158:A:VAL:HB	15	1.24	0.18	1.21
(1,813)	1:92:A:GLU:HG3	1:91:A:SER:HB3	15	1.17	0.78	1.0
(1,1793)	1:35:A:PHE:HE1	1:36:A:ARG:HG3	15	0.86	0.32	0.91
(1,1793)	1:35:A:PHE:HE2	1:36:A:ARG:HG3	15	0.86	0.32	0.91
(1,2069)	1:163:A:LEU:HD11	1:159:A:VAL:HG21	15	0.8	0.28	0.81
(1,2069)	1:163:A:LEU:HD11	1:159:A:VAL:HG22	15	0.8	0.28	0.81
(1,2069)	1:163:A:LEU:HD11	1:159:A:VAL:HG23	15	0.8	0.28	0.81
(1,2069)	1:163:A:LEU:HD12	1:159:A:VAL:HG21	15	0.8	0.28	0.81
(1,2069)	1:163:A:LEU:HD12	1:159:A:VAL:HG22	15	0.8	0.28	0.81
(1,2069)	1:163:A:LEU:HD12	1:159:A:VAL:HG23	15	0.8	0.28	0.81

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2069)	1:163:A:LEU:HD13	1:159:A:VAL:HG21	15	0.8	0.28	0.81
(1,2069)	1:163:A:LEU:HD13	1:159:A:VAL:HG22	15	0.8	0.28	0.81
(1,2069)	1:163:A:LEU:HD13	1:159:A:VAL:HG23	15	0.8	0.28	0.81
(1,2069)	1:163:A:LEU:HD21	1:159:A:VAL:HG21	15	0.8	0.28	0.81
(1,2069)	1:163:A:LEU:HD21	1:159:A:VAL:HG22	15	0.8	0.28	0.81
(1,2069)	1:163:A:LEU:HD21	1:159:A:VAL:HG23	15	0.8	0.28	0.81
(1,2069)	1:163:A:LEU:HD22	1:159:A:VAL:HG21	15	0.8	0.28	0.81
(1,2069)	1:163:A:LEU:HD22	1:159:A:VAL:HG22	15	0.8	0.28	0.81
(1,2069)	1:163:A:LEU:HD22	1:159:A:VAL:HG23	15	0.8	0.28	0.81
(1,2069)	1:163:A:LEU:HD23	1:159:A:VAL:HG21	15	0.8	0.28	0.81
(1,2069)	1:163:A:LEU:HD23	1:159:A:VAL:HG22	15	0.8	0.28	0.81
(1,2069)	1:163:A:LEU:HD23	1:159:A:VAL:HG23	15	0.8	0.28	0.81
(1,2012)	1:159:A:VAL:H	1:159:A:VAL:HG11	15	0.79	0.0	0.79
(1,2012)	1:159:A:VAL:H	1:159:A:VAL:HG12	15	0.79	0.0	0.79
(1,2012)	1:159:A:VAL:H	1:159:A:VAL:HG13	15	0.79	0.0	0.79
(1,1484)	1:173:A:GLN:HA	1:173:A:GLN:HG3	15	0.69	0.05	0.71
(1,1447)	1:120:A:GLU:HA	1:120:A:GLU:HG3	15	0.64	0.02	0.63
(1,903)	1:87:A:ARG:HD3	1:87:A:ARG:HA	15	0.64	0.32	0.76
(1,2556)	1:183:A:LEU:HD21	1:125:A:TRP:HE3	15	0.61	0.29	0.57
(1,2556)	1:183:A:LEU:HD22	1:125:A:TRP:HE3	15	0.61	0.29	0.57
(1,2556)	1:183:A:LEU:HD23	1:125:A:TRP:HE3	15	0.61	0.29	0.57
(1,994)	1:50:A:GLU:HG3	1:50:A:GLU:HA	15	0.61	0.27	0.81
(1,1001)	1:73:A:GLN:HG3	1:181:A:LEU:HA	15	0.54	0.4	0.26
(1,2185)	1:183:A:LEU:HD21	1:180:A:ALA:HB1	15	0.53	0.26	0.44
(1,2185)	1:183:A:LEU:HD21	1:180:A:ALA:HB2	15	0.53	0.26	0.44
(1,2185)	1:183:A:LEU:HD21	1:180:A:ALA:HB3	15	0.53	0.26	0.44
(1,2185)	1:183:A:LEU:HD22	1:180:A:ALA:HB1	15	0.53	0.26	0.44
(1,2185)	1:183:A:LEU:HD22	1:180:A:ALA:HB2	15	0.53	0.26	0.44
(1,2185)	1:183:A:LEU:HD22	1:180:A:ALA:HB3	15	0.53	0.26	0.44
(1,2185)	1:183:A:LEU:HD23	1:180:A:ALA:HB1	15	0.53	0.26	0.44
(1,2185)	1:183:A:LEU:HD23	1:180:A:ALA:HB2	15	0.53	0.26	0.44
(1,2185)	1:183:A:LEU:HD23	1:180:A:ALA:HB3	15	0.53	0.26	0.44
(1,934)	1:159:A:VAL:HG11	1:156:A:ARG:HA	15	0.49	0.18	0.48
(1,934)	1:159:A:VAL:HG12	1:156:A:ARG:HA	15	0.49	0.18	0.48
(1,934)	1:159:A:VAL:HG13	1:156:A:ARG:HA	15	0.49	0.18	0.48
(1,1427)	1:92:A:GLU:HA	1:92:A:GLU:HG3	15	0.46	0.16	0.49
(1,234)	1:163:A:LEU:HB3	1:163:A:LEU:H	15	0.27	0.13	0.28
(2,140)	1:78:A:LEU:O	1:82:A:GLY:N	15	0.18	0.04	0.2
(2,11)	1:29:A:GLN:O	1:33:A:GLU:H	15	0.14	0.03	0.13
(1,1483)	1:143:A:TYR:HE1	1:144:A:GLN:HG3	14	1.49	0.38	1.58
(1,1483)	1:143:A:TYR:HE2	1:144:A:GLN:HG3	14	1.49	0.38	1.58
(1,2356)	1:37:A:SER:HB3	1:41:A:TYR:HD1	14	1.11	0.37	1.23

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2356)	1:37:A:SER:HB3	1:41:A:TYR:HD2	14	1.11	0.37	1.23
(1,921)	1:98:A:GLN:HE22	1:98:A:GLN:HA	14	0.96	0.3	1.09
(1,1130)	1:50:A:GLU:HB3	1:51:A:GLY:HA2	14	0.73	0.5	0.71
(1,1315)	1:39:A:VAL:HG11	1:40:A:PHE:HB3	14	0.71	0.04	0.71
(1,1315)	1:39:A:VAL:HG12	1:40:A:PHE:HB3	14	0.71	0.04	0.71
(1,1315)	1:39:A:VAL:HG13	1:40:A:PHE:HB3	14	0.71	0.04	0.71
(1,3046)	1:81:A:ILE:HD11	2:101:B:ILE:HG13	14	0.6	0.11	0.6
(1,3046)	1:81:A:ILE:HD12	2:101:B:ILE:HG13	14	0.6	0.11	0.6
(1,3046)	1:81:A:ILE:HD13	2:101:B:ILE:HG13	14	0.6	0.11	0.6
(1,190)	1:183:A:LEU:HD21	1:125:A:TRP:H	14	0.57	0.27	0.6
(1,190)	1:183:A:LEU:HD22	1:125:A:TRP:H	14	0.57	0.27	0.6
(1,190)	1:183:A:LEU:HD23	1:125:A:TRP:H	14	0.57	0.27	0.6
(1,1644)	1:118:A:LEU:HD11	1:127:A:ARG:HG3	14	0.51	0.25	0.44
(1,1644)	1:118:A:LEU:HD12	1:127:A:ARG:HG3	14	0.51	0.25	0.44
(1,1644)	1:118:A:LEU:HD13	1:127:A:ARG:HG3	14	0.51	0.25	0.44
(1,2898)	2:86:B:ILE:H	2:86:B:ILE:HG13	14	0.44	0.06	0.42
(1,491)	1:163:A:LEU:HB3	1:164:A:HIS:H	14	0.41	0.22	0.31
(1,1495)	1:153:A:GLN:H	1:153:A:GLN:HG3	14	0.41	0.06	0.4
(1,1156)	1:156:A:ARG:H	1:156:A:ARG:HD3	14	0.4	0.22	0.34
(1,2965)	1:113:A:LYS:HB3	2:86:B:ILE:HD11	14	0.3	0.04	0.29
(1,2965)	1:113:A:LYS:HB3	2:86:B:ILE:HD12	14	0.3	0.04	0.29
(1,2965)	1:113:A:LYS:HB3	2:86:B:ILE:HD13	14	0.3	0.04	0.29
(1,379)	1:50:A:GLU:HB3	1:50:A:GLU:H	14	0.23	0.09	0.2
(2,146)	1:107:A:ALA:O	1:111:A:PHE:N	14	0.21	0.06	0.22
(2,153)	1:134:A:PHE:O	1:138:A:LEU:N	14	0.21	0.08	0.2
(1,2916)	2:90:B:LEU:HB3	2:91:B:ALA:H	14	0.15	0.03	0.15
(1,2108)	1:150:A:PHE:HB3	1:142:A:VAL:HG11	13	2.14	0.89	2.54
(1,2108)	1:150:A:PHE:HB3	1:142:A:VAL:HG12	13	2.14	0.89	2.54
(1,2108)	1:150:A:PHE:HB3	1:142:A:VAL:HG13	13	2.14	0.89	2.54
(1,1867)	1:73:A:GLN:HG3	1:181:A:LEU:HD11	13	1.05	0.55	0.98
(1,1867)	1:73:A:GLN:HG3	1:181:A:LEU:HD12	13	1.05	0.55	0.98
(1,1867)	1:73:A:GLN:HG3	1:181:A:LEU:HD13	13	1.05	0.55	0.98
(1,2466)	1:109:A:GLU:HG3	1:110:A:TYR:HD1	13	0.81	0.57	0.68
(1,2466)	1:109:A:GLU:HG3	1:110:A:TYR:HD2	13	0.81	0.57	0.68
(1,1189)	1:159:A:VAL:HG11	1:156:A:ARG:HD3	13	0.69	0.5	0.51
(1,1189)	1:159:A:VAL:HG12	1:156:A:ARG:HD3	13	0.69	0.5	0.51
(1,1189)	1:159:A:VAL:HG13	1:156:A:ARG:HD3	13	0.69	0.5	0.51
(1,436)	1:91:A:SER:HB3	1:91:A:SER:H	13	0.59	0.06	0.59
(1,1707)	1:94:A:GLN:HE22	1:94:A:GLN:HB3	13	0.55	0.38	0.44
(1,2563)	1:98:A:GLN:HG3	1:99:A:HIS:HD2	13	0.54	0.17	0.56
(1,2345)	1:163:A:LEU:HB3	1:164:A:HIS:HE1	13	0.54	0.46	0.29
(1,767)	1:40:A:PHE:HB3	1:37:A:SER:HB3	13	0.46	0.13	0.51

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1960)	1:177:A:TRP:HE3	1:74:A:VAL:HG21	13	0.45	0.27	0.37
(1,1960)	1:177:A:TRP:HE3	1:74:A:VAL:HG22	13	0.45	0.27	0.37
(1,1960)	1:177:A:TRP:HE3	1:74:A:VAL:HG23	13	0.45	0.27	0.37
(1,1842)	1:165:A:HIS:HA	1:166:A:CYS:HB3	13	0.45	0.21	0.49
(1,2129)	1:175:A:GLY:HA2	1:179:A:ALA:HB1	13	0.44	0.13	0.49
(1,2129)	1:175:A:GLY:HA2	1:179:A:ALA:HB2	13	0.44	0.13	0.49
(1,2129)	1:175:A:GLY:HA2	1:179:A:ALA:HB3	13	0.44	0.13	0.49
(1,1464)	1:101:A:GLN:HA	1:101:A:GLN:HG3	13	0.43	0.19	0.5
(1,2016)	1:32:A:GLU:H	1:159:A:VAL:HG11	13	0.4	0.16	0.41
(1,2016)	1:32:A:GLU:H	1:159:A:VAL:HG12	13	0.4	0.16	0.41
(1,2016)	1:32:A:GLU:H	1:159:A:VAL:HG13	13	0.4	0.16	0.41
(1,1297)	1:85:A:ILE:H	1:84:A:ASP:HB3	13	0.38	0.13	0.42
(1,2803)	2:84:B:ARG:HB3	2:84:B:ARG:HD3	13	0.29	0.12	0.25
(2,157)	1:153:A:GLN:O	1:157:A:PHE:N	13	0.23	0.07	0.25
(1,1796)	1:169:A:ARG:HA	1:169:A:ARG:HG3	13	0.2	0.04	0.21
(1,1157)	1:36:A:ARG:HG3	1:36:A:ARG:HD3	13	0.17	0.03	0.18
(1,1428)	1:31:A:THR:HB	1:32:A:GLU:HG3	13	0.15	0.03	0.16
(1,154)	1:32:A:GLU:HG3	1:32:A:GLU:H	13	0.14	0.02	0.14
(2,63)	1:110:A:TYR:O	1:114:A:ILE:H	13	0.12	0.01	0.12
(1,2132)	1:29:A:GLN:HB3	1:28:A:ALA:HB1	12	1.09	0.03	1.1
(1,2132)	1:29:A:GLN:HB3	1:28:A:ALA:HB2	12	1.09	0.03	1.1
(1,2132)	1:29:A:GLN:HB3	1:28:A:ALA:HB3	12	1.09	0.03	1.1
(1,1467)	1:61:A:VAL:HA	1:60:A:MET:HG3	12	0.72	0.19	0.66
(1,293)	1:29:A:GLN:HB3	1:29:A:GLN:H	12	0.64	0.02	0.64
(1,433)	1:92:A:GLU:HG3	1:91:A:SER:H	12	0.64	0.52	0.58
(1,96)	1:29:A:GLN:HB3	1:30:A:ASP:H	12	0.55	0.28	0.74
(1,542)	1:172:A:ALA:HB1	1:173:A:GLN:HE22	12	0.49	0.16	0.5
(1,542)	1:172:A:ALA:HB2	1:173:A:GLN:HE22	12	0.49	0.16	0.5
(1,542)	1:172:A:ALA:HB3	1:173:A:GLN:HE22	12	0.49	0.16	0.5
(1,1485)	1:185:A:ASN:H	1:77:A:GLN:HG3	12	0.44	0.23	0.34
(1,171)	1:162:A:MET:HB3	1:161:A:PHE:H	12	0.44	0.14	0.5
(1,97)	1:29:A:GLN:HG3	1:30:A:ASP:H	12	0.38	0.05	0.4
(1,1730)	1:144:A:GLN:H	1:145:A:HIS:HB3	12	0.35	0.12	0.34
(1,2013)	1:31:A:THR:HB	1:159:A:VAL:HG11	12	0.35	0.14	0.31
(1,2013)	1:31:A:THR:HB	1:159:A:VAL:HG12	12	0.35	0.14	0.31
(1,2013)	1:31:A:THR:HB	1:159:A:VAL:HG13	12	0.35	0.14	0.31
(1,2894)	2:84:B:ARG:HG3	2:85:B:ASN:H	12	0.34	0.12	0.31
(1,1713)	1:137:A:ARG:HB3	1:137:A:ARG:HG3	12	0.24	0.11	0.24
(2,159)	1:158:A:VAL:O	1:162:A:MET:N	12	0.21	0.06	0.2
(1,1094)	1:100:A:LEU:H	1:102:A:PRO:HD3	12	0.2	0.06	0.22
(1,1990)	1:118:A:LEU:HB3	1:118:A:LEU:HD11	12	0.18	0.0	0.18
(1,1990)	1:118:A:LEU:HB3	1:118:A:LEU:HD12	12	0.18	0.0	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1990)	1:118:A:LEU:HB3	1:118:A:LEU:HD13	12	0.18	0.0	0.18
(2,9)	1:28:A:ALA:O	1:32:A:GLU:H	12	0.16	0.07	0.12
(1,2975)	1:81:A:ILE:HG21	2:101:B:ILE:HD11	12	0.13	0.04	0.12
(1,2975)	1:81:A:ILE:HG21	2:101:B:ILE:HD12	12	0.13	0.04	0.12
(1,2975)	1:81:A:ILE:HG21	2:101:B:ILE:HD13	12	0.13	0.04	0.12
(1,2975)	1:81:A:ILE:HG22	2:101:B:ILE:HD11	12	0.13	0.04	0.12
(1,2975)	1:81:A:ILE:HG22	2:101:B:ILE:HD12	12	0.13	0.04	0.12
(1,2975)	1:81:A:ILE:HG22	2:101:B:ILE:HD13	12	0.13	0.04	0.12
(1,2975)	1:81:A:ILE:HG23	2:101:B:ILE:HD11	12	0.13	0.04	0.12
(1,2975)	1:81:A:ILE:HG23	2:101:B:ILE:HD12	12	0.13	0.04	0.12
(1,2975)	1:81:A:ILE:HG23	2:101:B:ILE:HD13	12	0.13	0.04	0.12
(2,17)	1:32:A:GLU:O	1:36:A:ARG:H	12	0.11	0.01	0.11
(1,1864)	1:125:A:TRP:HZ3	1:129:A:VAL:HG11	11	2.22	0.19	2.31
(1,1864)	1:125:A:TRP:HZ3	1:129:A:VAL:HG12	11	2.22	0.19	2.31
(1,1864)	1:125:A:TRP:HZ3	1:129:A:VAL:HG13	11	2.22	0.19	2.31
(1,2395)	1:142:A:VAL:HG11	1:150:A:PHE:HD1	11	1.69	0.22	1.76
(1,2395)	1:142:A:VAL:HG11	1:150:A:PHE:HD2	11	1.69	0.22	1.76
(1,2395)	1:142:A:VAL:HG12	1:150:A:PHE:HD1	11	1.69	0.22	1.76
(1,2395)	1:142:A:VAL:HG12	1:150:A:PHE:HD2	11	1.69	0.22	1.76
(1,2395)	1:142:A:VAL:HG13	1:150:A:PHE:HD1	11	1.69	0.22	1.76
(1,2395)	1:142:A:VAL:HG13	1:150:A:PHE:HD2	11	1.69	0.22	1.76
(1,1895)	1:142:A:VAL:HB	1:147:A:LEU:HD21	11	1.45	0.71	1.98
(1,1895)	1:142:A:VAL:HB	1:147:A:LEU:HD22	11	1.45	0.71	1.98
(1,1895)	1:142:A:VAL:HB	1:147:A:LEU:HD23	11	1.45	0.71	1.98
(1,1891)	1:128:A:VAL:H	1:129:A:VAL:HG11	11	1.34	0.02	1.34
(1,1891)	1:128:A:VAL:H	1:129:A:VAL:HG12	11	1.34	0.02	1.34
(1,1891)	1:128:A:VAL:H	1:129:A:VAL:HG13	11	1.34	0.02	1.34
(1,1627)	1:129:A:VAL:HG11	1:125:A:TRP:HB3	11	1.26	0.1	1.27
(1,1627)	1:129:A:VAL:HG12	1:125:A:TRP:HB3	11	1.26	0.1	1.27
(1,1627)	1:129:A:VAL:HG13	1:125:A:TRP:HB3	11	1.26	0.1	1.27
(1,90)	1:97:A:LEU:HD21	1:138:A:LEU:H	11	1.02	0.28	1.1
(1,90)	1:97:A:LEU:HD22	1:138:A:LEU:H	11	1.02	0.28	1.1
(1,90)	1:97:A:LEU:HD23	1:138:A:LEU:H	11	1.02	0.28	1.1
(1,841)	1:97:A:LEU:HD11	1:93:A:PHE:HA	11	0.99	0.1	0.97
(1,841)	1:97:A:LEU:HD12	1:93:A:PHE:HA	11	0.99	0.1	0.97
(1,841)	1:97:A:LEU:HD13	1:93:A:PHE:HA	11	0.99	0.1	0.97
(1,1043)	1:182:A:ASN:HB3	1:179:A:ALA:HA	11	0.92	0.57	0.81
(1,21)	1:21:A:SER:HB3	1:22:A:ALA:H	11	0.89	0.16	0.87
(1,1850)	1:39:A:VAL:HG21	1:63:A:LEU:HD21	11	0.89	0.3	0.86
(1,1850)	1:39:A:VAL:HG21	1:63:A:LEU:HD22	11	0.89	0.3	0.86
(1,1850)	1:39:A:VAL:HG21	1:63:A:LEU:HD23	11	0.89	0.3	0.86
(1,1850)	1:39:A:VAL:HG22	1:63:A:LEU:HD21	11	0.89	0.3	0.86

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1850)	1:39:A:VAL:HG22	1:63:A:LEU:HD22	11	0.89	0.3	0.86
(1,1850)	1:39:A:VAL:HG22	1:63:A:LEU:HD23	11	0.89	0.3	0.86
(1,1850)	1:39:A:VAL:HG23	1:63:A:LEU:HD21	11	0.89	0.3	0.86
(1,1850)	1:39:A:VAL:HG23	1:63:A:LEU:HD22	11	0.89	0.3	0.86
(1,1850)	1:39:A:VAL:HG23	1:63:A:LEU:HD23	11	0.89	0.3	0.86
(1,1886)	1:125:A:TRP:HE3	1:129:A:VAL:HG11	11	0.88	0.15	0.93
(1,1886)	1:125:A:TRP:HE3	1:129:A:VAL:HG12	11	0.88	0.15	0.93
(1,1886)	1:125:A:TRP:HE3	1:129:A:VAL:HG13	11	0.88	0.15	0.93
(1,1588)	1:129:A:VAL:HG11	1:128:A:VAL:HB	11	0.82	0.08	0.86
(1,1588)	1:129:A:VAL:HG12	1:128:A:VAL:HB	11	0.82	0.08	0.86
(1,1588)	1:129:A:VAL:HG13	1:128:A:VAL:HB	11	0.82	0.08	0.86
(1,1249)	1:86:A:ASN:HD22	1:42:A:ARG:HD3	11	0.8	0.51	0.95
(1,1863)	1:129:A:VAL:H	1:129:A:VAL:HG11	11	0.64	0.0	0.64
(1,1863)	1:129:A:VAL:H	1:129:A:VAL:HG12	11	0.64	0.0	0.64
(1,1863)	1:129:A:VAL:H	1:129:A:VAL:HG13	11	0.64	0.0	0.64
(1,443)	1:181:A:LEU:HB3	1:182:A:ASN:H	11	0.35	0.1	0.34
(2,139)	1:40:A:PHE:O	1:44:A:GLN:N	11	0.2	0.07	0.19
(2,75)	1:124:A:ASN:O	1:128:A:VAL:H	11	0.12	0.01	0.12
(1,757)	1:41:A:TYR:HE1	1:41:A:TYR:HA	11	0.12	0.01	0.11
(1,757)	1:41:A:TYR:HE2	1:41:A:TYR:HA	11	0.12	0.01	0.11
(1,2423)	1:131:A:LEU:HD21	1:134:A:PHE:HD1	10	1.35	0.03	1.36
(1,2423)	1:131:A:LEU:HD21	1:134:A:PHE:HD2	10	1.35	0.03	1.36
(1,2423)	1:131:A:LEU:HD22	1:134:A:PHE:HD1	10	1.35	0.03	1.36
(1,2423)	1:131:A:LEU:HD22	1:134:A:PHE:HD2	10	1.35	0.03	1.36
(1,2423)	1:131:A:LEU:HD23	1:134:A:PHE:HD1	10	1.35	0.03	1.36
(1,2423)	1:131:A:LEU:HD23	1:134:A:PHE:HD2	10	1.35	0.03	1.36
(1,593)	1:131:A:LEU:HD21	1:135:A:GLY:H	10	1.23	0.06	1.22
(1,593)	1:131:A:LEU:HD22	1:135:A:GLY:H	10	1.23	0.06	1.22
(1,593)	1:131:A:LEU:HD23	1:135:A:GLY:H	10	1.23	0.06	1.22
(1,1477)	1:28:A:ALA:HB1	1:29:A:GLN:HG3	10	1.08	0.47	1.33
(1,1477)	1:28:A:ALA:HB2	1:29:A:GLN:HG3	10	1.08	0.47	1.33
(1,1477)	1:28:A:ALA:HB3	1:29:A:GLN:HG3	10	1.08	0.47	1.33
(1,139)	1:131:A:LEU:HD21	1:115:A:ALA:H	10	0.91	0.18	0.9
(1,139)	1:131:A:LEU:HD22	1:115:A:ALA:H	10	0.91	0.18	0.9
(1,139)	1:131:A:LEU:HD23	1:115:A:ALA:H	10	0.91	0.18	0.9
(1,2483)	1:147:A:LEU:HD21	1:150:A:PHE:HZ	10	0.84	0.55	0.78
(1,2483)	1:147:A:LEU:HD22	1:150:A:PHE:HZ	10	0.84	0.55	0.78
(1,2483)	1:147:A:LEU:HD23	1:150:A:PHE:HZ	10	0.84	0.55	0.78
(1,2109)	1:147:A:LEU:HD21	1:142:A:VAL:HG11	10	0.79	0.36	0.66
(1,2109)	1:147:A:LEU:HD21	1:142:A:VAL:HG12	10	0.79	0.36	0.66
(1,2109)	1:147:A:LEU:HD21	1:142:A:VAL:HG13	10	0.79	0.36	0.66
(1,2109)	1:147:A:LEU:HD22	1:142:A:VAL:HG11	10	0.79	0.36	0.66

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2109)	1:147:A:LEU:HD22	1:142:A:VAL:HG12	10	0.79	0.36	0.66
(1,2109)	1:147:A:LEU:HD22	1:142:A:VAL:HG13	10	0.79	0.36	0.66
(1,2109)	1:147:A:LEU:HD23	1:142:A:VAL:HG11	10	0.79	0.36	0.66
(1,2109)	1:147:A:LEU:HD23	1:142:A:VAL:HG12	10	0.79	0.36	0.66
(1,2109)	1:147:A:LEU:HD23	1:142:A:VAL:HG13	10	0.79	0.36	0.66
(1,269)	1:25:A:GLU:HB3	1:25:A:GLU:H	10	0.69	0.0	0.69
(1,1826)	1:128:A:VAL:HA	1:131:A:LEU:HD11	10	0.69	0.06	0.66
(1,1826)	1:128:A:VAL:HA	1:131:A:LEU:HD12	10	0.69	0.06	0.66
(1,1826)	1:128:A:VAL:HA	1:131:A:LEU:HD13	10	0.69	0.06	0.66
(1,2778)	2:88:B:ARG:H	2:88:B:ARG:HD3	10	0.67	0.27	0.72
(1,2088)	1:139:A:ALA:HA	1:142:A:VAL:HG11	10	0.58	0.36	0.52
(1,2088)	1:139:A:ALA:HA	1:142:A:VAL:HG12	10	0.58	0.36	0.52
(1,2088)	1:139:A:ALA:HA	1:142:A:VAL:HG13	10	0.58	0.36	0.52
(1,3056)	1:100:A:LEU:HD11	2:82:B:ILE:HG13	10	0.53	0.3	0.43
(1,3056)	1:100:A:LEU:HD12	2:82:B:ILE:HG13	10	0.53	0.3	0.43
(1,3056)	1:100:A:LEU:HD13	2:82:B:ILE:HG13	10	0.53	0.3	0.43
(1,3056)	1:100:A:LEU:HD21	2:82:B:ILE:HG13	10	0.53	0.3	0.43
(1,3056)	1:100:A:LEU:HD22	2:82:B:ILE:HG13	10	0.53	0.3	0.43
(1,3056)	1:100:A:LEU:HD23	2:82:B:ILE:HG13	10	0.53	0.3	0.43
(1,1827)	1:162:A:MET:HE1	1:131:A:LEU:HD11	10	0.41	0.23	0.36
(1,1827)	1:162:A:MET:HE1	1:131:A:LEU:HD12	10	0.41	0.23	0.36
(1,1827)	1:162:A:MET:HE1	1:131:A:LEU:HD13	10	0.41	0.23	0.36
(1,1827)	1:162:A:MET:HE2	1:131:A:LEU:HD11	10	0.41	0.23	0.36
(1,1827)	1:162:A:MET:HE2	1:131:A:LEU:HD12	10	0.41	0.23	0.36
(1,1827)	1:162:A:MET:HE2	1:131:A:LEU:HD13	10	0.41	0.23	0.36
(1,1827)	1:162:A:MET:HE3	1:131:A:LEU:HD11	10	0.41	0.23	0.36
(1,1827)	1:162:A:MET:HE3	1:131:A:LEU:HD12	10	0.41	0.23	0.36
(1,1827)	1:162:A:MET:HE3	1:131:A:LEU:HD13	10	0.41	0.23	0.36
(1,2087)	1:150:A:PHE:HE1	1:142:A:VAL:HG11	10	0.41	0.21	0.36
(1,2087)	1:150:A:PHE:HE1	1:142:A:VAL:HG12	10	0.41	0.21	0.36
(1,2087)	1:150:A:PHE:HE1	1:142:A:VAL:HG13	10	0.41	0.21	0.36
(1,2087)	1:150:A:PHE:HE2	1:142:A:VAL:HG11	10	0.41	0.21	0.36
(1,2087)	1:150:A:PHE:HE2	1:142:A:VAL:HG12	10	0.41	0.21	0.36
(1,2087)	1:150:A:PHE:HE2	1:142:A:VAL:HG13	10	0.41	0.21	0.36
(1,861)	1:46:A:GLU:HB3	1:43:A:HIS:HA	10	0.4	0.29	0.28
(1,1869)	1:181:A:LEU:H	1:181:A:LEU:HD11	10	0.36	0.03	0.36
(1,1869)	1:181:A:LEU:H	1:181:A:LEU:HD12	10	0.36	0.03	0.36
(1,1869)	1:181:A:LEU:H	1:181:A:LEU:HD13	10	0.36	0.03	0.36
(1,123)	1:34:A:VAL:HG11	1:74:A:VAL:H	10	0.35	0.23	0.25
(1,123)	1:34:A:VAL:HG12	1:74:A:VAL:H	10	0.35	0.23	0.25
(1,123)	1:34:A:VAL:HG13	1:74:A:VAL:H	10	0.35	0.23	0.25
(1,1961)	1:34:A:VAL:HG11	1:74:A:VAL:HG21	10	0.33	0.12	0.31

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1961)	1:34:A:VAL:HG11	1:74:A:VAL:HG22	10	0.33	0.12	0.31
(1,1961)	1:34:A:VAL:HG11	1:74:A:VAL:HG23	10	0.33	0.12	0.31
(1,1961)	1:34:A:VAL:HG12	1:74:A:VAL:HG21	10	0.33	0.12	0.31
(1,1961)	1:34:A:VAL:HG12	1:74:A:VAL:HG22	10	0.33	0.12	0.31
(1,1961)	1:34:A:VAL:HG12	1:74:A:VAL:HG23	10	0.33	0.12	0.31
(1,1961)	1:34:A:VAL:HG13	1:74:A:VAL:HG21	10	0.33	0.12	0.31
(1,1961)	1:34:A:VAL:HG13	1:74:A:VAL:HG22	10	0.33	0.12	0.31
(1,1961)	1:34:A:VAL:HG13	1:74:A:VAL:HG23	10	0.33	0.12	0.31
(1,1032)	1:131:A:LEU:HD21	1:115:A:ALA:HA	10	0.3	0.13	0.34
(1,1032)	1:131:A:LEU:HD22	1:115:A:ALA:HA	10	0.3	0.13	0.34
(1,1032)	1:131:A:LEU:HD23	1:115:A:ALA:HA	10	0.3	0.13	0.34
(1,2094)	1:177:A:TRP:HZ3	1:34:A:VAL:HG21	10	0.23	0.09	0.2
(1,2094)	1:177:A:TRP:HZ3	1:34:A:VAL:HG22	10	0.23	0.09	0.2
(1,2094)	1:177:A:TRP:HZ3	1:34:A:VAL:HG23	10	0.23	0.09	0.2
(1,2440)	1:131:A:LEU:HD21	1:134:A:PHE:HE1	10	0.22	0.03	0.22
(1,2440)	1:131:A:LEU:HD21	1:134:A:PHE:HE2	10	0.22	0.03	0.22
(1,2440)	1:131:A:LEU:HD22	1:134:A:PHE:HE1	10	0.22	0.03	0.22
(1,2440)	1:131:A:LEU:HD22	1:134:A:PHE:HE2	10	0.22	0.03	0.22
(1,2440)	1:131:A:LEU:HD23	1:134:A:PHE:HE1	10	0.22	0.03	0.22
(1,2440)	1:131:A:LEU:HD23	1:134:A:PHE:HE2	10	0.22	0.03	0.22
(1,2804)	2:84:B:ARG:HB3	2:85:B:ASN:H	10	0.19	0.05	0.19
(1,3032)	1:118:A:LEU:HD11	2:91:B:ALA:HB1	9	1.69	0.57	1.89
(1,3032)	1:118:A:LEU:HD11	2:91:B:ALA:HB2	9	1.69	0.57	1.89
(1,3032)	1:118:A:LEU:HD11	2:91:B:ALA:HB3	9	1.69	0.57	1.89
(1,3032)	1:118:A:LEU:HD12	2:91:B:ALA:HB1	9	1.69	0.57	1.89
(1,3032)	1:118:A:LEU:HD12	2:91:B:ALA:HB2	9	1.69	0.57	1.89
(1,3032)	1:118:A:LEU:HD12	2:91:B:ALA:HB3	9	1.69	0.57	1.89
(1,3032)	1:118:A:LEU:HD13	2:91:B:ALA:HB1	9	1.69	0.57	1.89
(1,3032)	1:118:A:LEU:HD13	2:91:B:ALA:HB2	9	1.69	0.57	1.89
(1,3032)	1:118:A:LEU:HD13	2:91:B:ALA:HB3	9	1.69	0.57	1.89
(1,1250)	1:38:A:TYR:HD1	1:42:A:ARG:HD3	9	0.97	0.57	0.85
(1,1250)	1:38:A:TYR:HD2	1:42:A:ARG:HD3	9	0.97	0.57	0.85
(1,1350)	1:179:A:ALA:HB1	1:182:A:ASN:HB3	9	0.86	0.41	0.74
(1,1350)	1:179:A:ALA:HB2	1:182:A:ASN:HB3	9	0.86	0.41	0.74
(1,1350)	1:179:A:ALA:HB3	1:182:A:ASN:HB3	9	0.86	0.41	0.74
(1,2791)	2:81:B:ASP:HA	2:84:B:ARG:HD3	9	0.86	0.62	0.66
(1,744)	1:21:A:SER:H	1:21:A:SER:HB3	9	0.79	0.13	0.76
(1,2586)	1:100:A:LEU:HD11	1:110:A:TYR:HE1	9	0.5	0.17	0.63
(1,2586)	1:100:A:LEU:HD11	1:110:A:TYR:HE2	9	0.5	0.17	0.63
(1,2586)	1:100:A:LEU:HD12	1:110:A:TYR:HE1	9	0.5	0.17	0.63
(1,2586)	1:100:A:LEU:HD12	1:110:A:TYR:HE2	9	0.5	0.17	0.63
(1,2586)	1:100:A:LEU:HD13	1:110:A:TYR:HE1	9	0.5	0.17	0.63

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2586)	1:100:A:LEU:HD13	1:110:A:TYR:HE2	9	0.5	0.17	0.63
(1,2980)	1:81:A:ILE:HG21	2:100:B:SER:HB3	9	0.49	0.34	0.23
(1,2980)	1:81:A:ILE:HG22	2:100:B:SER:HB3	9	0.49	0.34	0.23
(1,2980)	1:81:A:ILE:HG23	2:100:B:SER:HB3	9	0.49	0.34	0.23
(1,971)	1:48:A:GLU:HB3	1:48:A:GLU:HA	9	0.45	0.0	0.45
(1,1326)	1:182:A:ASN:H	1:182:A:ASN:HB3	9	0.32	0.01	0.32
(1,802)	1:91:A:SER:HB3	1:91:A:SER:HA	9	0.31	0.12	0.37
(1,1027)	1:27:A:VAL:HG21	1:168:A:ALA:HA	9	0.31	0.13	0.29
(1,1027)	1:27:A:VAL:HG22	1:168:A:ALA:HA	9	0.31	0.13	0.29
(1,1027)	1:27:A:VAL:HG23	1:168:A:ALA:HA	9	0.31	0.13	0.29
(1,1095)	1:110:A:TYR:HE1	1:102:A:PRO:HD3	9	0.27	0.11	0.33
(1,1095)	1:110:A:TYR:HE2	1:102:A:PRO:HD3	9	0.27	0.11	0.33
(1,2346)	1:42:A:ARG:HD3	1:43:A:HIS:HE1	9	0.26	0.11	0.23
(1,2133)	1:159:A:VAL:HG21	1:28:A:ALA:HB1	9	0.26	0.16	0.19
(1,2133)	1:159:A:VAL:HG21	1:28:A:ALA:HB2	9	0.26	0.16	0.19
(1,2133)	1:159:A:VAL:HG21	1:28:A:ALA:HB3	9	0.26	0.16	0.19
(1,2133)	1:159:A:VAL:HG22	1:28:A:ALA:HB1	9	0.26	0.16	0.19
(1,2133)	1:159:A:VAL:HG22	1:28:A:ALA:HB2	9	0.26	0.16	0.19
(1,2133)	1:159:A:VAL:HG22	1:28:A:ALA:HB3	9	0.26	0.16	0.19
(1,2133)	1:159:A:VAL:HG23	1:28:A:ALA:HB1	9	0.26	0.16	0.19
(1,2133)	1:159:A:VAL:HG23	1:28:A:ALA:HB2	9	0.26	0.16	0.19
(1,2133)	1:159:A:VAL:HG23	1:28:A:ALA:HB3	9	0.26	0.16	0.19
(1,2300)	1:76:A:ARG:HD3	1:80:A:ILE:HD11	9	0.2	0.05	0.24
(1,2300)	1:76:A:ARG:HD3	1:80:A:ILE:HD12	9	0.2	0.05	0.24
(1,2300)	1:76:A:ARG:HD3	1:80:A:ILE:HD13	9	0.2	0.05	0.24
(1,1298)	1:85:A:ILE:HA	1:84:A:ASP:HB3	9	0.2	0.03	0.2
(1,1494)	1:44:A:GLN:HB3	1:44:A:GLN:HG3	9	0.14	0.01	0.15
(1,2690)	2:92:B:MK8:HE	2:96:B:MK8:HD	9	0.13	0.02	0.13
(1,2690)	2:92:B:MK8:HE	2:96:B:MK8:HDA	9	0.13	0.02	0.13
(1,34)	1:118:A:LEU:HD21	1:134:A:PHE:H	8	2.03	0.08	2.04
(1,34)	1:118:A:LEU:HD22	1:134:A:PHE:H	8	2.03	0.08	2.04
(1,34)	1:118:A:LEU:HD23	1:134:A:PHE:H	8	2.03	0.08	2.04
(1,1329)	1:118:A:LEU:HD21	1:134:A:PHE:HB3	8	1.51	0.09	1.51
(1,1329)	1:118:A:LEU:HD22	1:134:A:PHE:HB3	8	1.51	0.09	1.51
(1,1329)	1:118:A:LEU:HD23	1:134:A:PHE:HB3	8	1.51	0.09	1.51
(1,2439)	1:118:A:LEU:HD21	1:134:A:PHE:HE1	8	1.5	0.2	1.48
(1,2439)	1:118:A:LEU:HD21	1:134:A:PHE:HE2	8	1.5	0.2	1.48
(1,2439)	1:118:A:LEU:HD22	1:134:A:PHE:HE1	8	1.5	0.2	1.48
(1,2439)	1:118:A:LEU:HD22	1:134:A:PHE:HE2	8	1.5	0.2	1.48
(1,2439)	1:118:A:LEU:HD23	1:134:A:PHE:HE1	8	1.5	0.2	1.48
(1,2439)	1:118:A:LEU:HD23	1:134:A:PHE:HE2	8	1.5	0.2	1.48
(1,1708)	1:30:A:ASP:HA	1:29:A:GLN:HB3	8	1.42	0.0	1.42

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3031)	1:118:A:LEU:HD11	2:91:B:ALA:HA	8	1.37	0.09	1.38
(1,3031)	1:118:A:LEU:HD12	2:91:B:ALA:HA	8	1.37	0.09	1.38
(1,3031)	1:118:A:LEU:HD13	2:91:B:ALA:HA	8	1.37	0.09	1.38
(1,1020)	1:118:A:LEU:HD21	1:130:A:ALA:HA	8	1.25	0.15	1.3
(1,1020)	1:118:A:LEU:HD22	1:130:A:ALA:HA	8	1.25	0.15	1.3
(1,1020)	1:118:A:LEU:HD23	1:130:A:ALA:HA	8	1.25	0.15	1.3
(1,2430)	1:118:A:LEU:HD21	1:134:A:PHE:HD1	8	1.2	0.1	1.23
(1,2430)	1:118:A:LEU:HD21	1:134:A:PHE:HD2	8	1.2	0.1	1.23
(1,2430)	1:118:A:LEU:HD22	1:134:A:PHE:HD1	8	1.2	0.1	1.23
(1,2430)	1:118:A:LEU:HD22	1:134:A:PHE:HD2	8	1.2	0.1	1.23
(1,2430)	1:118:A:LEU:HD23	1:134:A:PHE:HD1	8	1.2	0.1	1.23
(1,2430)	1:118:A:LEU:HD23	1:134:A:PHE:HD2	8	1.2	0.1	1.23
(1,625)	1:118:A:LEU:HD21	1:128:A:VAL:HA	8	1.18	0.26	1.22
(1,625)	1:118:A:LEU:HD22	1:128:A:VAL:HA	8	1.18	0.26	1.22
(1,625)	1:118:A:LEU:HD23	1:128:A:VAL:HA	8	1.18	0.26	1.22
(1,178)	1:118:A:LEU:HD21	1:131:A:LEU:H	8	1.04	0.17	1.08
(1,178)	1:118:A:LEU:HD22	1:131:A:LEU:H	8	1.04	0.17	1.08
(1,178)	1:118:A:LEU:HD23	1:131:A:LEU:H	8	1.04	0.17	1.08
(1,268)	1:50:A:GLU:HB3	1:52:A:VAL:H	8	1.04	0.31	1.1
(1,1033)	1:118:A:LEU:HD21	1:115:A:ALA:HA	8	0.97	0.15	1.0
(1,1033)	1:118:A:LEU:HD22	1:115:A:ALA:HA	8	0.97	0.15	1.0
(1,1033)	1:118:A:LEU:HD23	1:115:A:ALA:HA	8	0.97	0.15	1.0
(1,2196)	1:118:A:LEU:HD21	1:114:A:ILE:HG21	8	0.93	0.05	0.94
(1,2196)	1:118:A:LEU:HD21	1:114:A:ILE:HG22	8	0.93	0.05	0.94
(1,2196)	1:118:A:LEU:HD21	1:114:A:ILE:HG23	8	0.93	0.05	0.94
(1,2196)	1:118:A:LEU:HD22	1:114:A:ILE:HG21	8	0.93	0.05	0.94
(1,2196)	1:118:A:LEU:HD22	1:114:A:ILE:HG22	8	0.93	0.05	0.94
(1,2196)	1:118:A:LEU:HD22	1:114:A:ILE:HG23	8	0.93	0.05	0.94
(1,2196)	1:118:A:LEU:HD23	1:114:A:ILE:HG21	8	0.93	0.05	0.94
(1,2196)	1:118:A:LEU:HD23	1:114:A:ILE:HG22	8	0.93	0.05	0.94
(1,2196)	1:118:A:LEU:HD23	1:114:A:ILE:HG23	8	0.93	0.05	0.94
(1,2462)	1:118:A:LEU:HD21	1:119:A:PHE:HE1	8	0.82	0.2	0.84
(1,2462)	1:118:A:LEU:HD21	1:119:A:PHE:HE2	8	0.82	0.2	0.84
(1,2462)	1:118:A:LEU:HD22	1:119:A:PHE:HE1	8	0.82	0.2	0.84
(1,2462)	1:118:A:LEU:HD22	1:119:A:PHE:HE2	8	0.82	0.2	0.84
(1,2462)	1:118:A:LEU:HD23	1:119:A:PHE:HE1	8	0.82	0.2	0.84
(1,2462)	1:118:A:LEU:HD23	1:119:A:PHE:HE2	8	0.82	0.2	0.84
(1,2779)	2:88:B:ARG:HB3	2:88:B:ARG:HD3	8	0.77	0.16	0.82
(1,298)	1:88:A:ARG:HD3	1:88:A:ARG:H	8	0.71	0.12	0.7
(1,2493)	1:118:A:LEU:HD21	1:119:A:PHE:HZ	8	0.61	0.23	0.62
(1,2493)	1:118:A:LEU:HD22	1:119:A:PHE:HZ	8	0.61	0.23	0.62
(1,2493)	1:118:A:LEU:HD23	1:119:A:PHE:HZ	8	0.61	0.23	0.62

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3060)	1:100:A:LEU:HD11	2:83:B:ILE:HG13	8	0.57	0.37	0.54
(1,3060)	1:100:A:LEU:HD12	2:83:B:ILE:HG13	8	0.57	0.37	0.54
(1,3060)	1:100:A:LEU:HD13	2:83:B:ILE:HG13	8	0.57	0.37	0.54
(1,3060)	1:100:A:LEU:HD21	2:83:B:ILE:HG13	8	0.57	0.37	0.54
(1,3060)	1:100:A:LEU:HD22	2:83:B:ILE:HG13	8	0.57	0.37	0.54
(1,3060)	1:100:A:LEU:HD23	2:83:B:ILE:HG13	8	0.57	0.37	0.54
(1,2222)	1:169:A:ARG:HD3	1:172:A:ALA:HB1	8	0.57	0.24	0.64
(1,2222)	1:169:A:ARG:HD3	1:172:A:ALA:HB2	8	0.57	0.24	0.64
(1,2222)	1:169:A:ARG:HD3	1:172:A:ALA:HB3	8	0.57	0.24	0.64
(1,2953)	1:85:A:ILE:HD11	2:100:B:SER:HB3	8	0.56	0.38	0.5
(1,2953)	1:85:A:ILE:HD12	2:100:B:SER:HB3	8	0.56	0.38	0.5
(1,2953)	1:85:A:ILE:HD13	2:100:B:SER:HB3	8	0.56	0.38	0.5
(1,1349)	1:181:A:LEU:HD11	1:182:A:ASN:HB3	8	0.52	0.05	0.52
(1,1349)	1:181:A:LEU:HD12	1:182:A:ASN:HB3	8	0.52	0.05	0.52
(1,1349)	1:181:A:LEU:HD13	1:182:A:ASN:HB3	8	0.52	0.05	0.52
(1,2757)	2:99:B:ARG:HA	2:99:B:ARG:HD3	8	0.52	0.36	0.55
(1,899)	1:29:A:GLN:HG3	1:29:A:GLN:HA	8	0.47	0.02	0.47
(1,927)	1:141:A:HIS:HB3	1:138:A:LEU:HA	8	0.44	0.26	0.4
(1,1252)	1:79:A:ALA:HB1	1:42:A:ARG:HD3	8	0.38	0.19	0.36
(1,1252)	1:79:A:ALA:HB2	1:42:A:ARG:HD3	8	0.38	0.19	0.36
(1,1252)	1:79:A:ALA:HB3	1:42:A:ARG:HD3	8	0.38	0.19	0.36
(1,1988)	1:118:A:LEU:HA	1:118:A:LEU:HD11	8	0.36	0.01	0.36
(1,1988)	1:118:A:LEU:HA	1:118:A:LEU:HD12	8	0.36	0.01	0.36
(1,1988)	1:118:A:LEU:HA	1:118:A:LEU:HD13	8	0.36	0.01	0.36
(1,1476)	1:29:A:GLN:H	1:29:A:GLN:HG3	8	0.32	0.06	0.32
(1,2447)	1:131:A:LEU:HB3	1:119:A:PHE:HE1	8	0.3	0.16	0.3
(1,2447)	1:131:A:LEU:HB3	1:119:A:PHE:HE2	8	0.3	0.16	0.3
(1,2892)	2:84:B:ARG:HA	2:84:B:ARG:HG3	8	0.28	0.14	0.24
(1,1154)	1:87:A:ARG:HB3	1:87:A:ARG:HD3	8	0.27	0.05	0.27
(1,509)	1:77:A:GLN:HB3	1:77:A:GLN:HE21	8	0.27	0.08	0.3
(1,1524)	1:113:A:LYS:HE3	1:113:A:LYS:HB3	8	0.23	0.0	0.23
(1,1952)	1:35:A:PHE:HB3	1:31:A:THR:HG21	8	0.23	0.09	0.22
(1,1952)	1:35:A:PHE:HB3	1:31:A:THR:HG22	8	0.23	0.09	0.22
(1,1952)	1:35:A:PHE:HB3	1:31:A:THR:HG23	8	0.23	0.09	0.22
(2,130)	1:30:A:ASP:O	1:34:A:VAL:N	8	0.22	0.07	0.25
(1,2021)	1:35:A:PHE:HB3	1:132:A:LEU:HD11	8	0.22	0.09	0.2
(1,2021)	1:35:A:PHE:HB3	1:132:A:LEU:HD12	8	0.22	0.09	0.2
(1,2021)	1:35:A:PHE:HB3	1:132:A:LEU:HD13	8	0.22	0.09	0.2
(1,2021)	1:35:A:PHE:HB3	1:132:A:LEU:HD21	8	0.22	0.09	0.2
(1,2021)	1:35:A:PHE:HB3	1:132:A:LEU:HD22	8	0.22	0.09	0.2
(1,2021)	1:35:A:PHE:HB3	1:132:A:LEU:HD23	8	0.22	0.09	0.2
(1,1634)	1:25:A:GLU:H	1:24:A:GLU:HB3	8	0.22	0.06	0.26

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2936)	2:99:B:ARG:HB3	2:99:B:ARG:HD3	8	0.22	0.06	0.22
(1,2601)	1:55:A:PRO:HG3	1:136:A:TYR:HE1	8	0.19	0.03	0.19
(1,2601)	1:55:A:PRO:HG3	1:136:A:TYR:HE2	8	0.19	0.03	0.19
(1,531)	1:23:A:SER:H	1:26:A:GLN:HE22	8	0.16	0.04	0.16
(1,1689)	1:109:A:GLU:HG3	1:109:A:GLU:HB3	8	0.14	0.01	0.15
(1,2895)	2:85:B:ASN:H	2:85:B:ASN:HB3	8	0.12	0.02	0.12
(1,2365)	2:93:B:VAL:HG21	1:89:A:TYR:HD1	7	1.04	0.47	1.03
(1,2365)	2:93:B:VAL:HG21	1:89:A:TYR:HD2	7	1.04	0.47	1.03
(1,2365)	2:93:B:VAL:HG22	1:89:A:TYR:HD1	7	1.04	0.47	1.03
(1,2365)	2:93:B:VAL:HG22	1:89:A:TYR:HD2	7	1.04	0.47	1.03
(1,2365)	2:93:B:VAL:HG23	1:89:A:TYR:HD1	7	1.04	0.47	1.03
(1,2365)	2:93:B:VAL:HG23	1:89:A:TYR:HD2	7	1.04	0.47	1.03
(1,2606)	1:42:A:ARG:HD3	1:38:A:TYR:HE1	7	0.95	0.39	1.05
(1,2606)	1:42:A:ARG:HD3	1:38:A:TYR:HE2	7	0.95	0.39	1.05
(1,2905)	2:88:B:ARG:HB3	2:88:B:ARG:HE	7	0.61	0.07	0.64
(1,74)	1:63:A:LEU:HD11	1:65:A:LEU:H	7	0.55	0.37	0.41
(1,74)	1:63:A:LEU:HD12	1:65:A:LEU:H	7	0.55	0.37	0.41
(1,74)	1:63:A:LEU:HD13	1:65:A:LEU:H	7	0.55	0.37	0.41
(1,2051)	1:184:A:GLY:H	1:183:A:LEU:HD11	7	0.49	0.38	0.29
(1,2051)	1:184:A:GLY:H	1:183:A:LEU:HD12	7	0.49	0.38	0.29
(1,2051)	1:184:A:GLY:H	1:183:A:LEU:HD13	7	0.49	0.38	0.29
(1,505)	1:37:A:SER:HB3	1:37:A:SER:H	7	0.49	0.03	0.49
(1,2884)	2:82:B:ILE:H	2:82:B:ILE:HG13	7	0.46	0.11	0.4
(1,2574)	1:76:A:ARG:HB3	1:41:A:TYR:HE1	7	0.38	0.08	0.4
(1,2574)	1:76:A:ARG:HB3	1:41:A:TYR:HE2	7	0.38	0.08	0.4
(1,1871)	1:63:A:LEU:HA	1:63:A:LEU:HD11	7	0.37	0.12	0.38
(1,1871)	1:63:A:LEU:HA	1:63:A:LEU:HD12	7	0.37	0.12	0.38
(1,1871)	1:63:A:LEU:HA	1:63:A:LEU:HD13	7	0.37	0.12	0.38
(1,1490)	1:47:A:GLN:HA	1:47:A:GLN:HG3	7	0.37	0.11	0.32
(1,1225)	1:40:A:PHE:HD1	1:63:A:LEU:HB3	7	0.36	0.08	0.38
(1,1225)	1:40:A:PHE:HD2	1:63:A:LEU:HB3	7	0.36	0.08	0.38
(1,1946)	1:110:A:TYR:HA	1:100:A:LEU:HD21	7	0.33	0.13	0.33
(1,1946)	1:110:A:TYR:HA	1:100:A:LEU:HD22	7	0.33	0.13	0.33
(1,1946)	1:110:A:TYR:HA	1:100:A:LEU:HD23	7	0.33	0.13	0.33
(1,1904)	1:125:A:TRP:HZ2	1:183:A:LEU:HD21	7	0.32	0.12	0.34
(1,1904)	1:125:A:TRP:HZ2	1:183:A:LEU:HD22	7	0.32	0.12	0.34
(1,1904)	1:125:A:TRP:HZ2	1:183:A:LEU:HD23	7	0.32	0.12	0.34
(1,1795)	1:169:A:ARG:H	1:169:A:ARG:HG3	7	0.31	0.1	0.31
(1,919)	1:21:A:SER:HB3	1:21:A:SER:HA	7	0.26	0.09	0.26
(1,1243)	1:113:A:LYS:HG3	1:113:A:LYS:HE3	7	0.22	0.02	0.24
(1,264)	1:86:A:ASN:HB3	1:86:A:ASN:H	7	0.22	0.03	0.21
(2,158)	1:156:A:ARG:O	1:160:A:ASP:N	7	0.19	0.04	0.19

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,136)	1:37:A:SER:O	1:41:A:TYR:N	7	0.17	0.05	0.16
(2,53)	1:93:A:PHE:O	1:97:A:LEU:H	7	0.15	0.04	0.16
(1,3086)	1:129:A:VAL:H	2:97:B:NLE:HD2	7	0.15	0.02	0.14
(1,3086)	1:129:A:VAL:H	2:97:B:NLE:HD3	7	0.15	0.02	0.14
(1,941)	1:68:A:SER:HB3	1:68:A:SER:HA	7	0.13	0.01	0.13
(2,91)	1:135:A:GLY:O	1:139:A:ALA:H	7	0.13	0.03	0.13
(1,1980)	1:38:A:TYR:H	1:39:A:VAL:HG21	6	1.92	0.02	1.92
(1,1980)	1:38:A:TYR:H	1:39:A:VAL:HG22	6	1.92	0.02	1.92
(1,1980)	1:38:A:TYR:H	1:39:A:VAL:HG23	6	1.92	0.02	1.92
(1,528)	1:55:A:PRO:HD3	1:47:A:GLN:HE21	6	1.08	0.36	1.14
(1,2967)	1:113:A:LYS:HG3	2:86:B:ILE:HG21	6	1.07	0.21	0.94
(1,2967)	1:113:A:LYS:HG3	2:86:B:ILE:HG22	6	1.07	0.21	0.94
(1,2967)	1:113:A:LYS:HG3	2:86:B:ILE:HG23	6	1.07	0.21	0.94
(1,1103)	1:39:A:VAL:HG11	1:133:A:GLY:HA2	6	1.06	0.11	1.05
(1,1103)	1:39:A:VAL:HG11	1:133:A:GLY:HA3	6	1.06	0.11	1.05
(1,1103)	1:39:A:VAL:HG12	1:133:A:GLY:HA2	6	1.06	0.11	1.05
(1,1103)	1:39:A:VAL:HG12	1:133:A:GLY:HA3	6	1.06	0.11	1.05
(1,1103)	1:39:A:VAL:HG13	1:133:A:GLY:HA2	6	1.06	0.11	1.05
(1,1103)	1:39:A:VAL:HG13	1:133:A:GLY:HA3	6	1.06	0.11	1.05
(1,883)	1:39:A:VAL:HG21	1:36:A:ARG:HA	6	0.8	0.07	0.8
(1,883)	1:39:A:VAL:HG22	1:36:A:ARG:HA	6	0.8	0.07	0.8
(1,883)	1:39:A:VAL:HG23	1:36:A:ARG:HA	6	0.8	0.07	0.8
(1,2497)	1:39:A:VAL:HG21	1:35:A:PHE:HZ	6	0.64	0.09	0.61
(1,2497)	1:39:A:VAL:HG22	1:35:A:PHE:HZ	6	0.64	0.09	0.61
(1,2497)	1:39:A:VAL:HG23	1:35:A:PHE:HZ	6	0.64	0.09	0.61
(1,1874)	1:65:A:LEU:HD11	1:63:A:LEU:HD11	6	0.63	0.42	0.49
(1,1874)	1:65:A:LEU:HD11	1:63:A:LEU:HD12	6	0.63	0.42	0.49
(1,1874)	1:65:A:LEU:HD11	1:63:A:LEU:HD13	6	0.63	0.42	0.49
(1,1874)	1:65:A:LEU:HD12	1:63:A:LEU:HD11	6	0.63	0.42	0.49
(1,1874)	1:65:A:LEU:HD12	1:63:A:LEU:HD12	6	0.63	0.42	0.49
(1,1874)	1:65:A:LEU:HD12	1:63:A:LEU:HD13	6	0.63	0.42	0.49
(1,1874)	1:65:A:LEU:HD13	1:63:A:LEU:HD11	6	0.63	0.42	0.49
(1,1874)	1:65:A:LEU:HD13	1:63:A:LEU:HD12	6	0.63	0.42	0.49
(1,1874)	1:65:A:LEU:HD13	1:63:A:LEU:HD13	6	0.63	0.42	0.49
(1,1874)	1:65:A:LEU:HD21	1:63:A:LEU:HD11	6	0.63	0.42	0.49
(1,1874)	1:65:A:LEU:HD21	1:63:A:LEU:HD12	6	0.63	0.42	0.49
(1,1874)	1:65:A:LEU:HD21	1:63:A:LEU:HD13	6	0.63	0.42	0.49
(1,1874)	1:65:A:LEU:HD22	1:63:A:LEU:HD11	6	0.63	0.42	0.49
(1,1874)	1:65:A:LEU:HD22	1:63:A:LEU:HD12	6	0.63	0.42	0.49
(1,1874)	1:65:A:LEU:HD22	1:63:A:LEU:HD13	6	0.63	0.42	0.49
(1,1874)	1:65:A:LEU:HD23	1:63:A:LEU:HD11	6	0.63	0.42	0.49
(1,1874)	1:65:A:LEU:HD23	1:63:A:LEU:HD12	6	0.63	0.42	0.49

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1874)	1:65:A:LEU:HD23	1:63:A:LEU:HD13	6	0.63	0.42	0.49
(1,2433)	1:97:A:LEU:HD11	1:93:A:PHE:HE1	6	0.54	0.27	0.44
(1,2433)	1:97:A:LEU:HD11	1:93:A:PHE:HE2	6	0.54	0.27	0.44
(1,2433)	1:97:A:LEU:HD12	1:93:A:PHE:HE1	6	0.54	0.27	0.44
(1,2433)	1:97:A:LEU:HD12	1:93:A:PHE:HE2	6	0.54	0.27	0.44
(1,2433)	1:97:A:LEU:HD13	1:93:A:PHE:HE1	6	0.54	0.27	0.44
(1,2433)	1:97:A:LEU:HD13	1:93:A:PHE:HE2	6	0.54	0.27	0.44
(1,2354)	1:76:A:ARG:HB3	1:41:A:TYR:HD1	6	0.52	0.14	0.5
(1,2354)	1:76:A:ARG:HB3	1:41:A:TYR:HD2	6	0.52	0.14	0.5
(1,1849)	1:40:A:PHE:HB3	1:63:A:LEU:HD21	6	0.44	0.19	0.44
(1,1849)	1:40:A:PHE:HB3	1:63:A:LEU:HD22	6	0.44	0.19	0.44
(1,1849)	1:40:A:PHE:HB3	1:63:A:LEU:HD23	6	0.44	0.19	0.44
(1,1346)	1:157:A:PHE:HD1	1:111:A:PHE:HB3	6	0.43	0.12	0.46
(1,1346)	1:157:A:PHE:HD2	1:111:A:PHE:HB3	6	0.43	0.12	0.46
(1,1977)	1:39:A:VAL:H	1:39:A:VAL:HG21	6	0.38	0.0	0.38
(1,1977)	1:39:A:VAL:H	1:39:A:VAL:HG22	6	0.38	0.0	0.38
(1,1977)	1:39:A:VAL:H	1:39:A:VAL:HG23	6	0.38	0.0	0.38
(1,127)	1:99:A:HIS:HB3	1:100:A:LEU:H	6	0.3	0.11	0.29
(1,896)	1:142:A:VAL:HG21	1:103:A:THR:HA	6	0.3	0.17	0.24
(1,896)	1:142:A:VAL:HG22	1:103:A:THR:HA	6	0.3	0.17	0.24
(1,896)	1:142:A:VAL:HG23	1:103:A:THR:HA	6	0.3	0.17	0.24
(1,1870)	1:63:A:LEU:H	1:63:A:LEU:HD11	6	0.27	0.05	0.26
(1,1870)	1:63:A:LEU:H	1:63:A:LEU:HD12	6	0.27	0.05	0.26
(1,1870)	1:63:A:LEU:H	1:63:A:LEU:HD13	6	0.27	0.05	0.26
(1,1522)	1:81:A:ILE:HD11	1:77:A:GLN:HG3	6	0.24	0.03	0.24
(1,1522)	1:81:A:ILE:HD12	1:77:A:GLN:HG3	6	0.24	0.03	0.24
(1,1522)	1:81:A:ILE:HD13	1:77:A:GLN:HG3	6	0.24	0.03	0.24
(1,382)	1:98:A:GLN:HG3	1:98:A:GLN:H	6	0.24	0.03	0.24
(1,1138)	1:52:A:VAL:HG11	1:51:A:GLY:HA3	6	0.23	0.06	0.24
(1,1138)	1:52:A:VAL:HG12	1:51:A:GLY:HA3	6	0.23	0.06	0.24
(1,1138)	1:52:A:VAL:HG13	1:51:A:GLY:HA3	6	0.23	0.06	0.24
(1,1138)	1:52:A:VAL:HG21	1:51:A:GLY:HA3	6	0.23	0.06	0.24
(1,1138)	1:52:A:VAL:HG22	1:51:A:GLY:HA3	6	0.23	0.06	0.24
(1,1138)	1:52:A:VAL:HG23	1:51:A:GLY:HA3	6	0.23	0.06	0.24
(1,1924)	1:180:A:ALA:HA	1:183:A:LEU:HD21	6	0.22	0.07	0.26
(1,1924)	1:180:A:ALA:HA	1:183:A:LEU:HD22	6	0.22	0.07	0.26
(1,1924)	1:180:A:ALA:HA	1:183:A:LEU:HD23	6	0.22	0.07	0.26
(2,10)	1:28:A:ALA:O	1:32:A:GLU:N	6	0.18	0.05	0.18
(1,2758)	2:82:B:ILE:HB	2:83:B:ILE:H	6	0.15	0.02	0.15
(1,2636)	2:90:B:LEU:HA	2:93:B:VAL:HB	6	0.15	0.02	0.16
(1,1899)	2:101:B:ILE:HD11	1:183:A:LEU:HD21	6	0.13	0.01	0.12
(1,1899)	2:101:B:ILE:HD11	1:183:A:LEU:HD22	6	0.13	0.01	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1899)	2:101:B:ILE:HD11	1:183:A:LEU:HD23	6	0.13	0.01	0.12
(1,1899)	2:101:B:ILE:HD12	1:183:A:LEU:HD21	6	0.13	0.01	0.12
(1,1899)	2:101:B:ILE:HD12	1:183:A:LEU:HD22	6	0.13	0.01	0.12
(1,1899)	2:101:B:ILE:HD12	1:183:A:LEU:HD23	6	0.13	0.01	0.12
(1,1899)	2:101:B:ILE:HD13	1:183:A:LEU:HD21	6	0.13	0.01	0.12
(1,1899)	2:101:B:ILE:HD13	1:183:A:LEU:HD22	6	0.13	0.01	0.12
(1,1899)	2:101:B:ILE:HD13	1:183:A:LEU:HD23	6	0.13	0.01	0.12
(2,47)	1:83:A:ASP:O	1:87:A:ARG:N	6	0.13	0.02	0.12
(1,2454)	1:147:A:LEU:HD21	1:150:A:PHE:HE1	5	0.73	0.3	0.85
(1,2454)	1:147:A:LEU:HD21	1:150:A:PHE:HE2	5	0.73	0.3	0.85
(1,2454)	1:147:A:LEU:HD22	1:150:A:PHE:HE1	5	0.73	0.3	0.85
(1,2454)	1:147:A:LEU:HD22	1:150:A:PHE:HE2	5	0.73	0.3	0.85
(1,2454)	1:147:A:LEU:HD23	1:150:A:PHE:HE1	5	0.73	0.3	0.85
(1,2454)	1:147:A:LEU:HD23	1:150:A:PHE:HE2	5	0.73	0.3	0.85
(1,1847)	1:40:A:PHE:H	1:63:A:LEU:HD21	5	0.7	0.29	0.7
(1,1847)	1:40:A:PHE:H	1:63:A:LEU:HD22	5	0.7	0.29	0.7
(1,1847)	1:40:A:PHE:H	1:63:A:LEU:HD23	5	0.7	0.29	0.7
(1,543)	1:181:A:LEU:HD11	1:73:A:GLN:HE21	5	0.66	0.46	0.39
(1,543)	1:181:A:LEU:HD12	1:73:A:GLN:HE21	5	0.66	0.46	0.39
(1,543)	1:181:A:LEU:HD13	1:73:A:GLN:HE21	5	0.66	0.46	0.39
(1,1968)	1:180:A:ALA:H	1:181:A:LEU:HD21	5	0.65	0.25	0.48
(1,1968)	1:180:A:ALA:H	1:181:A:LEU:HD22	5	0.65	0.25	0.48
(1,1968)	1:180:A:ALA:H	1:181:A:LEU:HD23	5	0.65	0.25	0.48
(1,2382)	1:147:A:LEU:HD21	1:150:A:PHE:HD1	5	0.62	0.3	0.61
(1,2382)	1:147:A:LEU:HD21	1:150:A:PHE:HD2	5	0.62	0.3	0.61
(1,2382)	1:147:A:LEU:HD22	1:150:A:PHE:HD1	5	0.62	0.3	0.61
(1,2382)	1:147:A:LEU:HD22	1:150:A:PHE:HD2	5	0.62	0.3	0.61
(1,2382)	1:147:A:LEU:HD23	1:150:A:PHE:HD1	5	0.62	0.3	0.61
(1,2382)	1:147:A:LEU:HD23	1:150:A:PHE:HD2	5	0.62	0.3	0.61
(1,1535)	1:156:A:ARG:HA	1:159:A:VAL:HB	5	0.58	0.14	0.52
(1,378)	1:50:A:GLU:HG3	1:50:A:GLU:H	5	0.52	0.36	0.47
(1,1029)	1:147:A:LEU:HD21	1:104:A:ALA:HA	5	0.44	0.22	0.37
(1,1029)	1:147:A:LEU:HD22	1:104:A:ALA:HA	5	0.44	0.22	0.37
(1,1029)	1:147:A:LEU:HD23	1:104:A:ALA:HA	5	0.44	0.22	0.37
(1,1845)	1:178:A:VAL:HA	1:181:A:LEU:HD11	5	0.42	0.17	0.51
(1,1845)	1:178:A:VAL:HA	1:181:A:LEU:HD12	5	0.42	0.17	0.51
(1,1845)	1:178:A:VAL:HA	1:181:A:LEU:HD13	5	0.42	0.17	0.51
(1,1159)	1:36:A:ARG:HA	1:36:A:ARG:HD3	5	0.4	0.25	0.39
(1,1002)	1:181:A:LEU:HD21	1:181:A:LEU:HA	5	0.4	0.01	0.4
(1,1002)	1:181:A:LEU:HD22	1:181:A:LEU:HA	5	0.4	0.01	0.4
(1,1002)	1:181:A:LEU:HD23	1:181:A:LEU:HA	5	0.4	0.01	0.4
(1,1857)	1:138:A:LEU:HD11	1:97:A:LEU:HD21	5	0.35	0.2	0.43

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1857)	1:138:A:LEU:HD11	1:97:A:LEU:HD22	5	0.35	0.2	0.43
(1,1857)	1:138:A:LEU:HD11	1:97:A:LEU:HD23	5	0.35	0.2	0.43
(1,1857)	1:138:A:LEU:HD12	1:97:A:LEU:HD21	5	0.35	0.2	0.43
(1,1857)	1:138:A:LEU:HD12	1:97:A:LEU:HD22	5	0.35	0.2	0.43
(1,1857)	1:138:A:LEU:HD12	1:97:A:LEU:HD23	5	0.35	0.2	0.43
(1,1857)	1:138:A:LEU:HD13	1:97:A:LEU:HD21	5	0.35	0.2	0.43
(1,1857)	1:138:A:LEU:HD13	1:97:A:LEU:HD22	5	0.35	0.2	0.43
(1,1857)	1:138:A:LEU:HD13	1:97:A:LEU:HD23	5	0.35	0.2	0.43
(1,1857)	1:138:A:LEU:HD21	1:97:A:LEU:HD21	5	0.35	0.2	0.43
(1,1857)	1:138:A:LEU:HD21	1:97:A:LEU:HD22	5	0.35	0.2	0.43
(1,1857)	1:138:A:LEU:HD21	1:97:A:LEU:HD23	5	0.35	0.2	0.43
(1,1857)	1:138:A:LEU:HD22	1:97:A:LEU:HD21	5	0.35	0.2	0.43
(1,1857)	1:138:A:LEU:HD22	1:97:A:LEU:HD22	5	0.35	0.2	0.43
(1,1857)	1:138:A:LEU:HD22	1:97:A:LEU:HD23	5	0.35	0.2	0.43
(1,1857)	1:138:A:LEU:HD23	1:97:A:LEU:HD21	5	0.35	0.2	0.43
(1,1857)	1:138:A:LEU:HD23	1:97:A:LEU:HD22	5	0.35	0.2	0.43
(1,1857)	1:138:A:LEU:HD23	1:97:A:LEU:HD23	5	0.35	0.2	0.43
(1,1978)	1:35:A:PHE:HE1	1:39:A:VAL:HG21	5	0.35	0.07	0.33
(1,1978)	1:35:A:PHE:HE1	1:39:A:VAL:HG22	5	0.35	0.07	0.33
(1,1978)	1:35:A:PHE:HE1	1:39:A:VAL:HG23	5	0.35	0.07	0.33
(1,1978)	1:35:A:PHE:HE2	1:39:A:VAL:HG21	5	0.35	0.07	0.33
(1,1978)	1:35:A:PHE:HE2	1:39:A:VAL:HG22	5	0.35	0.07	0.33
(1,1978)	1:35:A:PHE:HE2	1:39:A:VAL:HG23	5	0.35	0.07	0.33
(1,1986)	1:35:A:PHE:HD1	1:39:A:VAL:HG21	5	0.34	0.05	0.32
(1,1986)	1:35:A:PHE:HD1	1:39:A:VAL:HG22	5	0.34	0.05	0.32
(1,1986)	1:35:A:PHE:HD1	1:39:A:VAL:HG23	5	0.34	0.05	0.32
(1,1986)	1:35:A:PHE:HD2	1:39:A:VAL:HG21	5	0.34	0.05	0.32
(1,1986)	1:35:A:PHE:HD2	1:39:A:VAL:HG22	5	0.34	0.05	0.32
(1,1986)	1:35:A:PHE:HD2	1:39:A:VAL:HG23	5	0.34	0.05	0.32
(1,1709)	1:98:A:GLN:HE22	1:98:A:GLN:HB3	5	0.27	0.1	0.27
(1,2933)	2:99:B:ARG:H	2:99:B:ARG:HG3	5	0.22	0.02	0.23
(1,2928)	2:95:B:ASP:HA	2:98:B:ASP:HB3	5	0.19	0.04	0.18
(2,109)	1:155:A:THR:O	1:159:A:VAL:H	5	0.19	0.04	0.19
(1,2494)	1:131:A:LEU:HD21	1:119:A:PHE:HZ	5	0.18	0.03	0.17
(1,2494)	1:131:A:LEU:HD22	1:119:A:PHE:HZ	5	0.18	0.03	0.17
(1,2494)	1:131:A:LEU:HD23	1:119:A:PHE:HZ	5	0.18	0.03	0.17
(1,2056)	1:160:A:ASP:H	1:158:A:VAL:HG21	5	0.14	0.04	0.13
(1,2056)	1:160:A:ASP:H	1:158:A:VAL:HG22	5	0.14	0.04	0.13
(1,2056)	1:160:A:ASP:H	1:158:A:VAL:HG23	5	0.14	0.04	0.13
(2,95)	1:137:A:ARG:O	1:141:A:HIS:H	5	0.14	0.03	0.12
(2,77)	1:126:A:GLY:O	1:130:A:ALA:H	5	0.13	0.03	0.11
(1,1111)	2:97:B:NLE:HB2	1:126:A:GLY:HA3	5	0.13	0.02	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1111)	2:97:B:NLE:HB3	1:126:A:GLY:HA3	5	0.13	0.02	0.14
(1,2795)	2:88:B:ARG:HA	2:91:B:ALA:H	5	0.13	0.02	0.13
(2,50)	1:85:A:ILE:O	1:89:A:TYR:H	5	0.12	0.01	0.12
(1,901)	1:94:A:GLN:H	1:92:A:GLU:HA	5	0.12	0.01	0.11
(2,71)	1:114:A:ILE:O	1:118:A:LEU:H	5	0.11	0.01	0.1
(1,508)	1:42:A:ARG:HD3	1:86:A:ASN:HD21	4	0.77	0.18	0.82
(1,1087)	1:47:A:GLN:HE22	1:55:A:PRO:HD3	4	0.65	0.51	0.61
(1,390)	1:63:A:LEU:HD11	1:36:A:ARG:H	4	0.55	0.2	0.52
(1,390)	1:63:A:LEU:HD12	1:36:A:ARG:H	4	0.55	0.2	0.52
(1,390)	1:63:A:LEU:HD13	1:36:A:ARG:H	4	0.55	0.2	0.52
(1,2090)	1:102:A:PRO:HG3	1:142:A:VAL:HG11	4	0.5	0.19	0.56
(1,2090)	1:102:A:PRO:HG3	1:142:A:VAL:HG12	4	0.5	0.19	0.56
(1,2090)	1:102:A:PRO:HG3	1:142:A:VAL:HG13	4	0.5	0.19	0.56
(1,2710)	2:85:B:ASN:HA	2:88:B:ARG:HD3	4	0.5	0.49	0.24
(1,1721)	1:165:A:HIS:HD2	1:167:A:ILE:HG13	4	0.48	0.34	0.4
(1,1633)	1:169:A:ARG:HD3	1:24:A:GLU:HB3	4	0.44	0.1	0.48
(1,2443)	1:153:A:GLN:HB3	1:150:A:PHE:HE1	4	0.43	0.18	0.38
(1,2443)	1:153:A:GLN:HB3	1:150:A:PHE:HE2	4	0.43	0.18	0.38
(1,874)	1:63:A:LEU:HD21	1:36:A:ARG:HA	4	0.38	0.06	0.38
(1,874)	1:63:A:LEU:HD22	1:36:A:ARG:HA	4	0.38	0.06	0.38
(1,874)	1:63:A:LEU:HD23	1:36:A:ARG:HA	4	0.38	0.06	0.38
(1,2885)	2:82:B:ILE:HA	2:82:B:ILE:HG13	4	0.37	0.07	0.4
(1,1050)	1:19:A:LEU:HD21	1:19:A:LEU:HA	4	0.34	0.05	0.32
(1,1050)	1:19:A:LEU:HD22	1:19:A:LEU:HA	4	0.34	0.05	0.32
(1,1050)	1:19:A:LEU:HD23	1:19:A:LEU:HA	4	0.34	0.05	0.32
(1,2400)	1:36:A:ARG:HD3	1:35:A:PHE:HD1	4	0.34	0.1	0.35
(1,2400)	1:36:A:ARG:HD3	1:35:A:PHE:HD2	4	0.34	0.1	0.35
(1,325)	1:42:A:ARG:HB3	1:44:A:GLN:H	4	0.34	0.07	0.3
(1,3011)	1:100:A:LEU:HD21	2:82:B:ILE:HD11	4	0.33	0.01	0.33
(1,3011)	1:100:A:LEU:HD21	2:82:B:ILE:HD12	4	0.33	0.01	0.33
(1,3011)	1:100:A:LEU:HD21	2:82:B:ILE:HD13	4	0.33	0.01	0.33
(1,3011)	1:100:A:LEU:HD22	2:82:B:ILE:HD11	4	0.33	0.01	0.33
(1,3011)	1:100:A:LEU:HD22	2:82:B:ILE:HD12	4	0.33	0.01	0.33
(1,3011)	1:100:A:LEU:HD22	2:82:B:ILE:HD13	4	0.33	0.01	0.33
(1,3011)	1:100:A:LEU:HD23	2:82:B:ILE:HD11	4	0.33	0.01	0.33
(1,3011)	1:100:A:LEU:HD23	2:82:B:ILE:HD12	4	0.33	0.01	0.33
(1,3011)	1:100:A:LEU:HD23	2:82:B:ILE:HD13	4	0.33	0.01	0.33
(1,1877)	1:101:A:GLN:H	1:100:A:LEU:HD11	4	0.32	0.1	0.38
(1,1877)	1:101:A:GLN:H	1:100:A:LEU:HD12	4	0.32	0.1	0.38
(1,1877)	1:101:A:GLN:H	1:100:A:LEU:HD13	4	0.32	0.1	0.38
(1,3075)	1:183:A:LEU:HD11	2:101:B:ILE:HG13	4	0.29	0.11	0.27
(1,3075)	1:183:A:LEU:HD12	2:101:B:ILE:HG13	4	0.29	0.11	0.27

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3075)	1:183:A:LEU:HD13	2:101:B:ILE:HG13	4	0.29	0.11	0.27
(1,3075)	1:183:A:LEU:HD21	2:101:B:ILE:HG13	4	0.29	0.11	0.27
(1,3075)	1:183:A:LEU:HD22	2:101:B:ILE:HG13	4	0.29	0.11	0.27
(1,3075)	1:183:A:LEU:HD23	2:101:B:ILE:HG13	4	0.29	0.11	0.27
(1,1212)	1:113:A:LYS:HA	1:113:A:LYS:HE3	4	0.24	0.1	0.2
(1,2559)	1:145:A:HIS:H	1:145:A:HIS:HD2	4	0.21	0.02	0.22
(1,2336)	1:145:A:HIS:HA	1:145:A:HIS:HE1	4	0.2	0.01	0.2
(2,110)	1:155:A:THR:O	1:159:A:VAL:N	4	0.17	0.03	0.18
(1,2201)	1:97:A:LEU:HA	1:96:A:MET:HE1	4	0.17	0.05	0.15
(1,2201)	1:97:A:LEU:HA	1:96:A:MET:HE2	4	0.17	0.05	0.15
(1,2201)	1:97:A:LEU:HA	1:96:A:MET:HE3	4	0.17	0.05	0.15
(1,442)	1:181:A:LEU:HD11	1:182:A:ASN:H	4	0.15	0.01	0.15
(1,442)	1:181:A:LEU:HD12	1:182:A:ASN:H	4	0.15	0.01	0.15
(1,442)	1:181:A:LEU:HD13	1:182:A:ASN:H	4	0.15	0.01	0.15
(1,1534)	1:160:A:ASP:H	1:159:A:VAL:HB	4	0.15	0.02	0.15
(1,490)	1:164:A:HIS:HB3	1:164:A:HIS:H	4	0.14	0.01	0.14
(2,12)	1:29:A:GLN:O	1:33:A:GLU:N	4	0.14	0.06	0.11
(1,453)	1:26:A:GLN:HB3	1:23:A:SER:H	4	0.13	0.01	0.14
(1,1521)	1:81:A:ILE:HG21	1:77:A:GLN:HG3	4	0.13	0.02	0.12
(1,1521)	1:81:A:ILE:HG22	1:77:A:GLN:HG3	4	0.13	0.02	0.12
(1,1521)	1:81:A:ILE:HG23	1:77:A:GLN:HG3	4	0.13	0.02	0.12
(1,2014)	1:159:A:VAL:HA	1:159:A:VAL:HG11	4	0.13	0.0	0.13
(1,2014)	1:159:A:VAL:HA	1:159:A:VAL:HG12	4	0.13	0.0	0.13
(1,2014)	1:159:A:VAL:HA	1:159:A:VAL:HG13	4	0.13	0.0	0.13
(1,2206)	1:129:A:VAL:HB	1:130:A:ALA:HB1	4	0.12	0.0	0.12
(1,2206)	1:129:A:VAL:HB	1:130:A:ALA:HB2	4	0.12	0.0	0.12
(1,2206)	1:129:A:VAL:HB	1:130:A:ALA:HB3	4	0.12	0.0	0.12
(2,5)	1:26:A:GLN:O	1:30:A:ASP:H	4	0.12	0.02	0.12
(1,2983)	1:85:A:ILE:HG21	2:93:B:VAL:HB	4	0.12	0.01	0.12
(1,2983)	1:85:A:ILE:HG22	2:93:B:VAL:HB	4	0.12	0.01	0.12
(1,2983)	1:85:A:ILE:HG23	2:93:B:VAL:HB	4	0.12	0.01	0.12
(2,57)	1:106:A:ASN:O	1:110:A:TYR:H	4	0.12	0.0	0.12
(2,31)	1:39:A:VAL:O	1:43:A:HIS:H	4	0.11	0.01	0.12
(1,2564)	1:99:A:HIS:HB3	1:99:A:HIS:HD2	4	0.11	0.01	0.11
(2,81)	1:129:A:VAL:O	1:133:A:GLY:H	4	0.11	0.0	0.11
(1,2344)	1:160:A:ASP:HB3	1:164:A:HIS:HE1	3	1.14	0.25	1.01
(1,981)	1:101:A:GLN:HG3	1:99:A:HIS:HA	3	1.06	0.62	0.94
(1,1898)	1:143:A:TYR:HD1	1:147:A:LEU:HD21	3	0.96	0.3	0.89
(1,1898)	1:143:A:TYR:HD1	1:147:A:LEU:HD22	3	0.96	0.3	0.89
(1,1898)	1:143:A:TYR:HD1	1:147:A:LEU:HD23	3	0.96	0.3	0.89
(1,1898)	1:143:A:TYR:HD2	1:147:A:LEU:HD21	3	0.96	0.3	0.89
(1,1898)	1:143:A:TYR:HD2	1:147:A:LEU:HD22	3	0.96	0.3	0.89

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1898)	1:143:A:TYR:HD2	1:147:A:LEU:HD23	3	0.96	0.3	0.89
(1,1678)	2:82:B:ILE:HD11	1:99:A:HIS:HB3	3	0.75	0.2	0.81
(1,1678)	2:82:B:ILE:HD12	1:99:A:HIS:HB3	3	0.75	0.2	0.81
(1,1678)	2:82:B:ILE:HD13	1:99:A:HIS:HB3	3	0.75	0.2	0.81
(1,3045)	1:81:A:ILE:HG13	2:101:B:ILE:HG21	3	0.68	0.06	0.7
(1,3045)	1:81:A:ILE:HG13	2:101:B:ILE:HG22	3	0.68	0.06	0.7
(1,3045)	1:81:A:ILE:HG13	2:101:B:ILE:HG23	3	0.68	0.06	0.7
(1,1844)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	3	0.65	0.03	0.63
(1,1844)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	3	0.65	0.03	0.63
(1,1844)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	3	0.65	0.03	0.63
(1,1253)	1:42:A:ARG:H	1:42:A:ARG:HD3	3	0.63	0.18	0.56
(1,2115)	1:50:A:GLU:HG3	1:49:A:ALA:HB1	3	0.59	0.37	0.43
(1,2115)	1:50:A:GLU:HG3	1:49:A:ALA:HB2	3	0.59	0.37	0.43
(1,2115)	1:50:A:GLU:HG3	1:49:A:ALA:HB3	3	0.59	0.37	0.43
(1,2888)	2:83:B:ILE:H	2:83:B:ILE:HG13	3	0.39	0.04	0.4
(1,558)	1:101:A:GLN:HG3	1:101:A:GLN:H	3	0.35	0.2	0.22
(1,106)	1:162:A:MET:HG3	1:168:A:ALA:H	3	0.3	0.24	0.15
(1,1743)	1:137:A:ARG:HA	1:137:A:ARG:HG3	3	0.23	0.08	0.27
(1,2658)	2:89:B:HIS:HA	2:92:B:MK8:HB	3	0.21	0.06	0.22
(1,2759)	2:82:B:ILE:H	2:82:B:ILE:HB	3	0.2	0.04	0.18
(1,320)	1:163:A:LEU:HD11	1:29:A:GLN:H	3	0.18	0.04	0.19
(1,320)	1:163:A:LEU:HD12	1:29:A:GLN:H	3	0.18	0.04	0.19
(1,320)	1:163:A:LEU:HD13	1:29:A:GLN:H	3	0.18	0.04	0.19
(1,320)	1:163:A:LEU:HD21	1:29:A:GLN:H	3	0.18	0.04	0.19
(1,320)	1:163:A:LEU:HD22	1:29:A:GLN:H	3	0.18	0.04	0.19
(1,320)	1:163:A:LEU:HD23	1:29:A:GLN:H	3	0.18	0.04	0.19
(1,1923)	1:147:A:LEU:HA	1:147:A:LEU:HD11	3	0.16	0.05	0.15
(1,1923)	1:147:A:LEU:HA	1:147:A:LEU:HD12	3	0.16	0.05	0.15
(1,1923)	1:147:A:LEU:HA	1:147:A:LEU:HD13	3	0.16	0.05	0.15
(1,2966)	1:113:A:LYS:HB3	2:86:B:ILE:HG21	3	0.16	0.04	0.15
(1,2966)	1:113:A:LYS:HB3	2:86:B:ILE:HG22	3	0.16	0.04	0.15
(1,2966)	1:113:A:LYS:HB3	2:86:B:ILE:HG23	3	0.16	0.04	0.15
(1,735)	1:26:A:GLN:H	1:23:A:SER:HB3	3	0.16	0.01	0.15
(1,1465)	1:101:A:GLN:HE22	1:101:A:GLN:HG3	3	0.15	0.03	0.17
(1,1893)	1:147:A:LEU:H	1:147:A:LEU:HD21	3	0.15	0.04	0.13
(1,1893)	1:147:A:LEU:H	1:147:A:LEU:HD22	3	0.15	0.04	0.13
(1,1893)	1:147:A:LEU:H	1:147:A:LEU:HD23	3	0.15	0.04	0.13
(1,2394)	1:107:A:ALA:HB1	1:150:A:PHE:HD1	3	0.14	0.01	0.13
(1,2394)	1:107:A:ALA:HB1	1:150:A:PHE:HD2	3	0.14	0.01	0.13
(1,2394)	1:107:A:ALA:HB2	1:150:A:PHE:HD1	3	0.14	0.01	0.13
(1,2394)	1:107:A:ALA:HB2	1:150:A:PHE:HD2	3	0.14	0.01	0.13
(1,2394)	1:107:A:ALA:HB3	1:150:A:PHE:HD1	3	0.14	0.01	0.13

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2394)	1:107:A:ALA:HB3	1:150:A:PHE:HD2	3	0.14	0.01	0.13
(1,2772)	2:83:B:ILE:HB	2:84:B:ARG:H	3	0.14	0.01	0.14
(1,3069)	1:118:A:LEU:HD11	2:91:B:ALA:HA	3	0.13	0.0	0.13
(1,3069)	1:118:A:LEU:HD12	2:91:B:ALA:HA	3	0.13	0.0	0.13
(1,3069)	1:118:A:LEU:HD13	2:91:B:ALA:HA	3	0.13	0.0	0.13
(1,3069)	1:118:A:LEU:HD21	2:91:B:ALA:HA	3	0.13	0.0	0.13
(1,3069)	1:118:A:LEU:HD22	2:91:B:ALA:HA	3	0.13	0.0	0.13
(1,3069)	1:118:A:LEU:HD23	2:91:B:ALA:HA	3	0.13	0.0	0.13
(1,948)	1:144:A:GLN:HG3	1:144:A:GLN:HA	3	0.13	0.01	0.13
(1,1481)	1:45:A:GLN:H	1:45:A:GLN:HG3	3	0.13	0.03	0.12
(2,97)	1:139:A:ALA:O	1:143:A:TYR:H	3	0.12	0.02	0.11
(1,2812)	2:97:B:NLE:HB2	2:101:B:ILE:HG21	3	0.12	0.02	0.11
(1,2812)	2:97:B:NLE:HB2	2:101:B:ILE:HG22	3	0.12	0.02	0.11
(1,2812)	2:97:B:NLE:HB2	2:101:B:ILE:HG23	3	0.12	0.02	0.11
(1,2812)	2:97:B:NLE:HB3	2:101:B:ILE:HG21	3	0.12	0.02	0.11
(1,2812)	2:97:B:NLE:HB3	2:101:B:ILE:HG22	3	0.12	0.02	0.11
(1,2812)	2:97:B:NLE:HB3	2:101:B:ILE:HG23	3	0.12	0.02	0.11
(1,3049)	1:97:A:LEU:HD11	2:86:B:ILE:HG21	3	0.12	0.02	0.11
(1,3049)	1:97:A:LEU:HD11	2:86:B:ILE:HG22	3	0.12	0.02	0.11
(1,3049)	1:97:A:LEU:HD11	2:86:B:ILE:HG23	3	0.12	0.02	0.11
(1,3049)	1:97:A:LEU:HD12	2:86:B:ILE:HG21	3	0.12	0.02	0.11
(1,3049)	1:97:A:LEU:HD12	2:86:B:ILE:HG22	3	0.12	0.02	0.11
(1,3049)	1:97:A:LEU:HD12	2:86:B:ILE:HG23	3	0.12	0.02	0.11
(1,3049)	1:97:A:LEU:HD13	2:86:B:ILE:HG21	3	0.12	0.02	0.11
(1,3049)	1:97:A:LEU:HD13	2:86:B:ILE:HG22	3	0.12	0.02	0.11
(1,3049)	1:97:A:LEU:HD13	2:86:B:ILE:HG23	3	0.12	0.02	0.11
(1,3049)	1:97:A:LEU:HD21	2:86:B:ILE:HG21	3	0.12	0.02	0.11
(1,3049)	1:97:A:LEU:HD21	2:86:B:ILE:HG22	3	0.12	0.02	0.11
(1,3049)	1:97:A:LEU:HD21	2:86:B:ILE:HG23	3	0.12	0.02	0.11
(1,3049)	1:97:A:LEU:HD22	2:86:B:ILE:HG21	3	0.12	0.02	0.11
(1,3049)	1:97:A:LEU:HD22	2:86:B:ILE:HG22	3	0.12	0.02	0.11
(1,3049)	1:97:A:LEU:HD22	2:86:B:ILE:HG23	3	0.12	0.02	0.11
(1,3049)	1:97:A:LEU:HD23	2:86:B:ILE:HG21	3	0.12	0.02	0.11
(1,3049)	1:97:A:LEU:HD23	2:86:B:ILE:HG22	3	0.12	0.02	0.11
(1,3049)	1:97:A:LEU:HD23	2:86:B:ILE:HG23	3	0.12	0.02	0.11
(1,2241)	1:28:A:ALA:H	1:168:A:ALA:HB1	3	0.12	0.01	0.12
(1,2241)	1:28:A:ALA:H	1:168:A:ALA:HB2	3	0.12	0.01	0.12
(1,2241)	1:28:A:ALA:H	1:168:A:ALA:HB3	3	0.12	0.01	0.12
(2,125)	1:170:A:TRP:O	1:174:A:ARG:H	3	0.12	0.01	0.11
(1,499)	1:119:A:PHE:HD1	1:116:A:THR:H	3	0.11	0.01	0.11
(1,499)	1:119:A:PHE:HD2	1:116:A:THR:H	3	0.11	0.01	0.11
(2,79)	1:127:A:ARG:O	1:131:A:LEU:H	3	0.11	0.0	0.11

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1003)	1:182:A:ASN:HA	1:181:A:LEU:HA	3	0.11	0.01	0.1
(1,2495)	1:128:A:VAL:HG21	1:119:A:PHE:HZ	3	0.11	0.0	0.11
(1,2495)	1:128:A:VAL:HG22	1:119:A:PHE:HZ	3	0.11	0.0	0.11
(1,2495)	1:128:A:VAL:HG23	1:119:A:PHE:HZ	3	0.11	0.0	0.11
(2,85)	1:131:A:LEU:O	1:135:A:GLY:H	3	0.11	0.0	0.11
(1,2802)	2:84:B:ARG:H	2:84:B:ARG:HB3	3	0.1	0.0	0.1
(1,1377)	1:87:A:ARG:HB3	1:86:A:ASN:HB3	2	1.0	0.8	1.0
(1,1489)	1:54:A:ALA:HB1	1:47:A:GLN:HG3	2	0.7	0.6	0.7
(1,1489)	1:54:A:ALA:HB2	1:47:A:GLN:HG3	2	0.7	0.6	0.7
(1,1489)	1:54:A:ALA:HB3	1:47:A:GLN:HG3	2	0.7	0.6	0.7
(1,732)	1:66:A:GLN:HG3	1:69:A:SER:HB3	2	0.63	0.32	0.63
(1,2584)	1:106:A:ASN:HB3	1:110:A:TYR:HE1	2	0.48	0.02	0.48
(1,2584)	1:106:A:ASN:HB3	1:110:A:TYR:HE2	2	0.48	0.02	0.48
(1,1351)	1:109:A:GLU:H	1:106:A:ASN:HB3	2	0.47	0.01	0.47
(1,2223)	1:26:A:GLN:HG3	1:172:A:ALA:HB1	2	0.45	0.28	0.45
(1,2223)	1:26:A:GLN:HG3	1:172:A:ALA:HB2	2	0.45	0.28	0.45
(1,2223)	1:26:A:GLN:HG3	1:172:A:ALA:HB3	2	0.45	0.28	0.45
(1,1251)	1:42:A:ARG:HA	1:42:A:ARG:HD3	2	0.4	0.01	0.4
(1,1395)	1:46:A:GLU:H	1:46:A:GLU:HG3	2	0.34	0.01	0.34
(1,1555)	1:138:A:LEU:HD11	1:141:A:HIS:HB3	2	0.34	0.16	0.34
(1,1555)	1:138:A:LEU:HD12	1:141:A:HIS:HB3	2	0.34	0.16	0.34
(1,1555)	1:138:A:LEU:HD13	1:141:A:HIS:HB3	2	0.34	0.16	0.34
(1,1555)	1:138:A:LEU:HD21	1:141:A:HIS:HB3	2	0.34	0.16	0.34
(1,1555)	1:138:A:LEU:HD22	1:141:A:HIS:HB3	2	0.34	0.16	0.34
(1,1555)	1:138:A:LEU:HD23	1:141:A:HIS:HB3	2	0.34	0.16	0.34
(1,611)	1:63:A:LEU:H	1:62:A:THR:HB	2	0.26	0.0	0.26
(1,65)	1:18:A:ALA:HA	1:19:A:LEU:H	2	0.25	0.0	0.25
(1,1995)	1:97:A:LEU:HA	1:100:A:LEU:HD21	2	0.25	0.08	0.25
(1,1995)	1:97:A:LEU:HA	1:100:A:LEU:HD22	2	0.25	0.08	0.25
(1,1995)	1:97:A:LEU:HA	1:100:A:LEU:HD23	2	0.25	0.08	0.25
(1,2890)	2:84:B:ARG:H	2:84:B:ARG:HG3	2	0.24	0.05	0.24
(1,1307)	2:93:B:VAL:HG21	1:89:A:TYR:HB3	2	0.23	0.0	0.23
(1,1307)	2:93:B:VAL:HG22	1:89:A:TYR:HB3	2	0.23	0.0	0.23
(1,1307)	2:93:B:VAL:HG23	1:89:A:TYR:HB3	2	0.23	0.0	0.23
(1,2675)	2:82:B:ILE:HG21	2:83:B:ILE:H	2	0.2	0.03	0.2
(1,2675)	2:82:B:ILE:HG22	2:83:B:ILE:H	2	0.2	0.03	0.2
(1,2675)	2:82:B:ILE:HG23	2:83:B:ILE:H	2	0.2	0.03	0.2
(1,1115)	1:35:A:PHE:HE1	1:135:A:GLY:HA2	2	0.2	0.01	0.2
(1,1115)	1:35:A:PHE:HE2	1:135:A:GLY:HA2	2	0.2	0.01	0.2
(1,1654)	1:159:A:VAL:HG11	1:32:A:GLU:HB3	2	0.18	0.07	0.18
(1,1654)	1:159:A:VAL:HG12	1:32:A:GLU:HB3	2	0.18	0.07	0.18
(1,1654)	1:159:A:VAL:HG13	1:32:A:GLU:HB3	2	0.18	0.07	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3106)	2:93:B:VAL:HG21	1:89:A:TYR:HB3	2	0.18	0.0	0.18
(1,3106)	2:93:B:VAL:HG22	1:89:A:TYR:HB3	2	0.18	0.0	0.18
(1,3106)	2:93:B:VAL:HG23	1:89:A:TYR:HB3	2	0.18	0.0	0.18
(1,965)	1:84:A:ASP:HB3	1:84:A:ASP:HA	2	0.15	0.03	0.15
(1,1117)	1:139:A:ALA:H	1:135:A:GLY:HA3	2	0.15	0.0	0.15
(1,674)	1:74:A:VAL:HG21	1:34:A:VAL:HA	2	0.14	0.02	0.14
(1,674)	1:74:A:VAL:HG22	1:34:A:VAL:HA	2	0.14	0.02	0.14
(1,674)	1:74:A:VAL:HG23	1:34:A:VAL:HA	2	0.14	0.02	0.14
(1,960)	1:163:A:LEU:HD11	1:164:A:HIS:HA	2	0.14	0.0	0.14
(1,960)	1:163:A:LEU:HD12	1:164:A:HIS:HA	2	0.14	0.0	0.14
(1,960)	1:163:A:LEU:HD13	1:164:A:HIS:HA	2	0.14	0.0	0.14
(1,960)	1:163:A:LEU:HD21	1:164:A:HIS:HA	2	0.14	0.0	0.14
(1,960)	1:163:A:LEU:HD22	1:164:A:HIS:HA	2	0.14	0.0	0.14
(1,960)	1:163:A:LEU:HD23	1:164:A:HIS:HA	2	0.14	0.0	0.14
(1,1037)	1:65:A:LEU:HD11	1:65:A:LEU:HA	2	0.14	0.01	0.14
(1,1037)	1:65:A:LEU:HD12	1:65:A:LEU:HA	2	0.14	0.01	0.14
(1,1037)	1:65:A:LEU:HD13	1:65:A:LEU:HA	2	0.14	0.01	0.14
(1,1037)	1:65:A:LEU:HD21	1:65:A:LEU:HA	2	0.14	0.01	0.14
(1,1037)	1:65:A:LEU:HD22	1:65:A:LEU:HA	2	0.14	0.01	0.14
(1,1037)	1:65:A:LEU:HD23	1:65:A:LEU:HA	2	0.14	0.01	0.14
(1,2341)	1:98:A:GLN:HG3	1:141:A:HIS:HE1	2	0.14	0.01	0.14
(1,1320)	1:85:A:ILE:HG21	1:89:A:TYR:HB3	2	0.13	0.02	0.13
(1,1320)	1:85:A:ILE:HG22	1:89:A:TYR:HB3	2	0.13	0.02	0.13
(1,1320)	1:85:A:ILE:HG23	1:89:A:TYR:HB3	2	0.13	0.02	0.13
(1,2858)	2:80:B:GLU:HA	2:83:B:ILE:HB	2	0.13	0.02	0.13
(1,1859)	1:102:A:PRO:HD3	1:100:A:LEU:HD11	2	0.12	0.0	0.12
(1,1859)	1:102:A:PRO:HD3	1:100:A:LEU:HD12	2	0.12	0.0	0.12
(1,1859)	1:102:A:PRO:HD3	1:100:A:LEU:HD13	2	0.12	0.0	0.12
(2,113)	1:157:A:PHE:O	1:161:A:PHE:H	2	0.12	0.01	0.12
(1,175)	1:118:A:LEU:HD11	1:131:A:LEU:H	2	0.12	0.02	0.12
(1,175)	1:118:A:LEU:HD12	1:131:A:LEU:H	2	0.12	0.02	0.12
(1,175)	1:118:A:LEU:HD13	1:131:A:LEU:H	2	0.12	0.02	0.12
(1,368)	1:119:A:PHE:HA	1:123:A:ILE:H	2	0.12	0.02	0.12
(1,2897)	2:85:B:ASN:HA	2:88:B:ARG:HB3	2	0.12	0.0	0.12
(2,19)	1:33:A:GLU:O	1:37:A:SER:H	2	0.12	0.0	0.12
(2,142)	1:84:A:ASP:O	1:88:A:ARG:N	2	0.12	0.0	0.12
(1,1098)	2:97:B:NLE:HB2	1:126:A:GLY:HA2	2	0.11	0.0	0.11
(1,1098)	2:97:B:NLE:HB3	1:126:A:GLY:HA2	2	0.11	0.0	0.11
(1,2847)	2:95:B:ASP:HA	2:99:B:ARG:H	2	0.11	0.0	0.11
(2,92)	1:135:A:GLY:O	1:139:A:ALA:N	2	0.11	0.0	0.11
(2,25)	1:36:A:ARG:O	1:40:A:PHE:H	2	0.11	0.0	0.11
(2,117)	1:159:A:VAL:O	1:163:A:LEU:H	2	0.11	0.0	0.11

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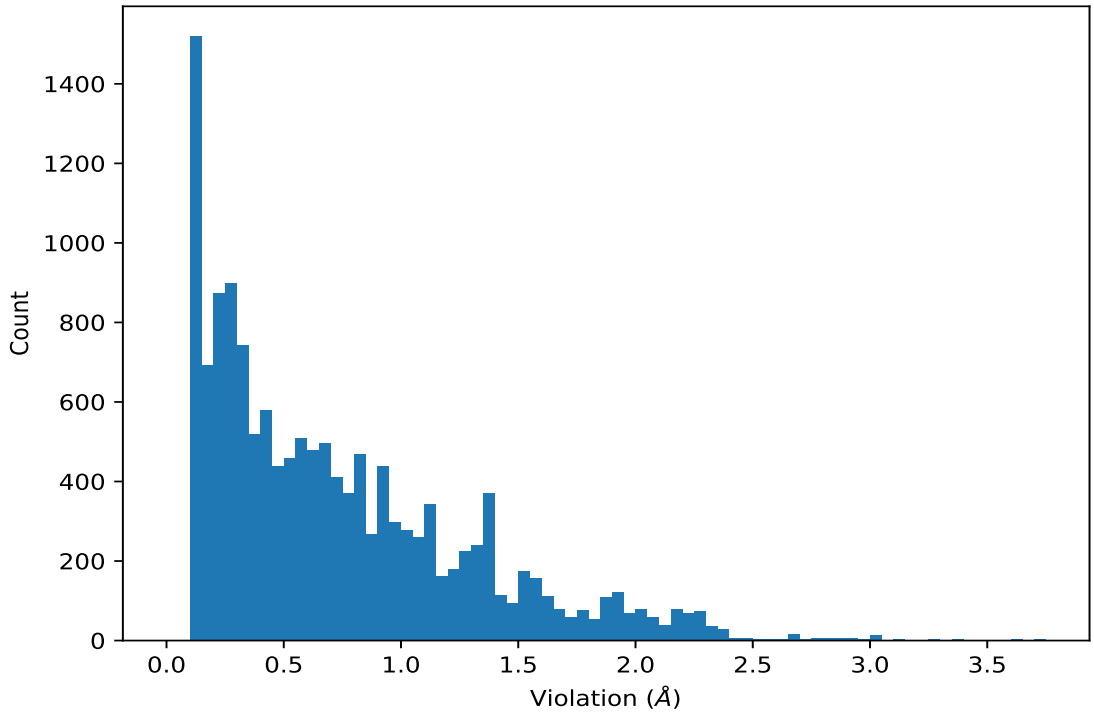
Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2599)	1:108:A:TYR:HB3	1:108:A:TYR:HE1	2	0.1	0.0	0.1
(1,2599)	1:108:A:TYR:HB3	1:108:A:TYR:HE2	2	0.1	0.0	0.1

[1]Number of violated models, [2]Standard deviation

9.5 All violated distance restraints

9.5.1 Histogram : Distribution of distance violations

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



9.5.2 Table : All distance violations

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

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1983)	1:36:A:ARG:HG3	1:39:A:VAL:HG21	2	3.73
(1,1983)	1:36:A:ARG:HG3	1:39:A:VAL:HG22	2	3.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1983)	1:36:A:ARG:HG3	1:39:A:VAL:HG23	2	3.73
(1,1983)	1:36:A:ARG:HG3	1:39:A:VAL:HG21	3	3.62
(1,1983)	1:36:A:ARG:HG3	1:39:A:VAL:HG22	3	3.62
(1,1983)	1:36:A:ARG:HG3	1:39:A:VAL:HG23	3	3.62
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD21	20	3.35
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD22	20	3.35
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD23	20	3.35
(1,1983)	1:36:A:ARG:HG3	1:39:A:VAL:HG21	14	3.27
(1,1983)	1:36:A:ARG:HG3	1:39:A:VAL:HG22	14	3.27
(1,1983)	1:36:A:ARG:HG3	1:39:A:VAL:HG23	14	3.27
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD21	1	3.1
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD22	1	3.1
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD23	1	3.1
(1,1983)	1:36:A:ARG:HG3	1:39:A:VAL:HG21	20	3.04
(1,1983)	1:36:A:ARG:HG3	1:39:A:VAL:HG22	20	3.04
(1,1983)	1:36:A:ARG:HG3	1:39:A:VAL:HG23	20	3.04
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD21	16	3.03
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD22	16	3.03
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD23	16	3.03
(1,1740)	1:63:A:LEU:HD11	1:64:A:PRO:HG3	15	3.01
(1,1740)	1:63:A:LEU:HD12	1:64:A:PRO:HG3	15	3.01
(1,1740)	1:63:A:LEU:HD13	1:64:A:PRO:HG3	15	3.01
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD21	14	3.0
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD22	14	3.0
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD23	14	3.0
(1,1740)	1:63:A:LEU:HD11	1:64:A:PRO:HG3	18	3.0
(1,1740)	1:63:A:LEU:HD12	1:64:A:PRO:HG3	18	3.0
(1,1740)	1:63:A:LEU:HD13	1:64:A:PRO:HG3	18	3.0
(1,1740)	1:63:A:LEU:HD11	1:64:A:PRO:HG3	13	2.95
(1,1740)	1:63:A:LEU:HD12	1:64:A:PRO:HG3	13	2.95
(1,1740)	1:63:A:LEU:HD13	1:64:A:PRO:HG3	13	2.95
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD21	12	2.93
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD22	12	2.93
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD23	12	2.93
(1,1740)	1:63:A:LEU:HD11	1:64:A:PRO:HG3	9	2.93
(1,1740)	1:63:A:LEU:HD12	1:64:A:PRO:HG3	9	2.93
(1,1740)	1:63:A:LEU:HD13	1:64:A:PRO:HG3	9	2.93
(1,1740)	1:63:A:LEU:HD11	1:64:A:PRO:HG3	1	2.9
(1,1740)	1:63:A:LEU:HD12	1:64:A:PRO:HG3	1	2.9
(1,1740)	1:63:A:LEU:HD13	1:64:A:PRO:HG3	1	2.9
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD21	13	2.89
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD22	13	2.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD23	13	2.89
(1,2108)	1:150:A:PHE:HB3	1:142:A:VAL:HG11	10	2.83
(1,2108)	1:150:A:PHE:HB3	1:142:A:VAL:HG12	10	2.83
(1,2108)	1:150:A:PHE:HB3	1:142:A:VAL:HG13	10	2.83
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD21	15	2.82
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD22	15	2.82
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD23	15	2.82
(1,2108)	1:150:A:PHE:HB3	1:142:A:VAL:HG11	2	2.8
(1,2108)	1:150:A:PHE:HB3	1:142:A:VAL:HG12	2	2.8
(1,2108)	1:150:A:PHE:HB3	1:142:A:VAL:HG13	2	2.8
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD21	7	2.79
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD22	7	2.79
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD23	7	2.79
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD21	17	2.72
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD22	17	2.72
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD23	17	2.72
(1,2108)	1:150:A:PHE:HB3	1:142:A:VAL:HG11	9	2.69
(1,2108)	1:150:A:PHE:HB3	1:142:A:VAL:HG12	9	2.69
(1,2108)	1:150:A:PHE:HB3	1:142:A:VAL:HG13	9	2.69
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD11	11	2.69
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD12	11	2.69
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD13	11	2.69
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD21	3	2.67
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD22	3	2.67
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD23	3	2.67
(1,813)	1:92:A:GLU:HG3	1:91:A:SER:HB3	10	2.67
(1,2108)	1:150:A:PHE:HB3	1:142:A:VAL:HG11	3	2.66
(1,2108)	1:150:A:PHE:HB3	1:142:A:VAL:HG12	3	2.66
(1,2108)	1:150:A:PHE:HB3	1:142:A:VAL:HG13	3	2.66
(1,2108)	1:150:A:PHE:HB3	1:142:A:VAL:HG11	14	2.66
(1,2108)	1:150:A:PHE:HB3	1:142:A:VAL:HG12	14	2.66
(1,2108)	1:150:A:PHE:HB3	1:142:A:VAL:HG13	14	2.66
(1,2108)	1:150:A:PHE:HB3	1:142:A:VAL:HG11	11	2.6
(1,2108)	1:150:A:PHE:HB3	1:142:A:VAL:HG12	11	2.6
(1,2108)	1:150:A:PHE:HB3	1:142:A:VAL:HG13	11	2.6
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD11	20	2.57
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD12	20	2.57
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD13	20	2.57
(1,2108)	1:150:A:PHE:HB3	1:142:A:VAL:HG11	18	2.54
(1,2108)	1:150:A:PHE:HB3	1:142:A:VAL:HG12	18	2.54
(1,2108)	1:150:A:PHE:HB3	1:142:A:VAL:HG13	18	2.54
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD11	18	2.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD12	18	2.49
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD13	18	2.49
(1,813)	1:92:A:GLU:HG3	1:91:A:SER:HB3	17	2.49
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD11	2	2.48
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD12	2	2.48
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD13	2	2.48
(1,1364)	1:34:A:VAL:HG21	1:132:A:LEU:HB3	18	2.44
(1,1364)	1:34:A:VAL:HG22	1:132:A:LEU:HB3	18	2.44
(1,1364)	1:34:A:VAL:HG23	1:132:A:LEU:HB3	18	2.44
(1,2108)	1:150:A:PHE:HB3	1:142:A:VAL:HG11	8	2.42
(1,2108)	1:150:A:PHE:HB3	1:142:A:VAL:HG12	8	2.42
(1,2108)	1:150:A:PHE:HB3	1:142:A:VAL:HG13	8	2.42
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD11	6	2.4
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD12	6	2.4
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD13	6	2.4
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD11	15	2.4
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD12	15	2.4
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD13	15	2.4
(1,1864)	1:125:A:TRP:HZ3	1:129:A:VAL:HG11	11	2.4
(1,1864)	1:125:A:TRP:HZ3	1:129:A:VAL:HG12	11	2.4
(1,1864)	1:125:A:TRP:HZ3	1:129:A:VAL:HG13	11	2.4
(1,1864)	1:125:A:TRP:HZ3	1:129:A:VAL:HG11	15	2.4
(1,1864)	1:125:A:TRP:HZ3	1:129:A:VAL:HG12	15	2.4
(1,1864)	1:125:A:TRP:HZ3	1:129:A:VAL:HG13	15	2.4
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD11	16	2.38
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD12	16	2.38
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD13	16	2.38
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD11	8	2.37
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD12	8	2.37
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD13	8	2.37
(1,1864)	1:125:A:TRP:HZ3	1:129:A:VAL:HG11	9	2.36
(1,1864)	1:125:A:TRP:HZ3	1:129:A:VAL:HG12	9	2.36
(1,1864)	1:125:A:TRP:HZ3	1:129:A:VAL:HG13	9	2.36
(1,1864)	1:125:A:TRP:HZ3	1:129:A:VAL:HG11	13	2.36
(1,1864)	1:125:A:TRP:HZ3	1:129:A:VAL:HG12	13	2.36
(1,1864)	1:125:A:TRP:HZ3	1:129:A:VAL:HG13	13	2.36
(1,1364)	1:34:A:VAL:HG21	1:132:A:LEU:HB3	1	2.36
(1,1364)	1:34:A:VAL:HG22	1:132:A:LEU:HB3	1	2.36
(1,1364)	1:34:A:VAL:HG23	1:132:A:LEU:HB3	1	2.36
(1,1364)	1:34:A:VAL:HG21	1:132:A:LEU:HB3	19	2.36
(1,1364)	1:34:A:VAL:HG22	1:132:A:LEU:HB3	19	2.36
(1,1364)	1:34:A:VAL:HG23	1:132:A:LEU:HB3	19	2.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1364)	1:34:A:VAL:HG21	1:132:A:LEU:HB3	6	2.34
(1,1364)	1:34:A:VAL:HG22	1:132:A:LEU:HB3	6	2.34
(1,1364)	1:34:A:VAL:HG23	1:132:A:LEU:HB3	6	2.34
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG11	9	2.33
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG12	9	2.33
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG13	9	2.33
(1,1364)	1:34:A:VAL:HG21	1:132:A:LEU:HB3	4	2.33
(1,1364)	1:34:A:VAL:HG22	1:132:A:LEU:HB3	4	2.33
(1,1364)	1:34:A:VAL:HG23	1:132:A:LEU:HB3	4	2.33
(1,1364)	1:34:A:VAL:HG21	1:132:A:LEU:HB3	16	2.33
(1,1364)	1:34:A:VAL:HG22	1:132:A:LEU:HB3	16	2.33
(1,1364)	1:34:A:VAL:HG23	1:132:A:LEU:HB3	16	2.33
(1,1864)	1:125:A:TRP:HZ3	1:129:A:VAL:HG11	19	2.32
(1,1864)	1:125:A:TRP:HZ3	1:129:A:VAL:HG12	19	2.32
(1,1864)	1:125:A:TRP:HZ3	1:129:A:VAL:HG13	19	2.32
(1,1364)	1:34:A:VAL:HG21	1:132:A:LEU:HB3	5	2.32
(1,1364)	1:34:A:VAL:HG22	1:132:A:LEU:HB3	5	2.32
(1,1364)	1:34:A:VAL:HG23	1:132:A:LEU:HB3	5	2.32
(1,1364)	1:34:A:VAL:HG21	1:132:A:LEU:HB3	9	2.32
(1,1364)	1:34:A:VAL:HG22	1:132:A:LEU:HB3	9	2.32
(1,1364)	1:34:A:VAL:HG23	1:132:A:LEU:HB3	9	2.32
(1,1364)	1:34:A:VAL:HG21	1:132:A:LEU:HB3	12	2.32
(1,1364)	1:34:A:VAL:HG22	1:132:A:LEU:HB3	12	2.32
(1,1364)	1:34:A:VAL:HG23	1:132:A:LEU:HB3	12	2.32
(1,1364)	1:34:A:VAL:HG21	1:132:A:LEU:HB3	15	2.32
(1,1364)	1:34:A:VAL:HG22	1:132:A:LEU:HB3	15	2.32
(1,1364)	1:34:A:VAL:HG23	1:132:A:LEU:HB3	15	2.32
(1,2616)	1:27:A:VAL:HG21	1:177:A:TRP:HZ2	12	2.31
(1,2616)	1:27:A:VAL:HG22	1:177:A:TRP:HZ2	12	2.31
(1,2616)	1:27:A:VAL:HG23	1:177:A:TRP:HZ2	12	2.31
(1,1864)	1:125:A:TRP:HZ3	1:129:A:VAL:HG11	2	2.31
(1,1864)	1:125:A:TRP:HZ3	1:129:A:VAL:HG12	2	2.31
(1,1864)	1:125:A:TRP:HZ3	1:129:A:VAL:HG13	2	2.31
(1,1364)	1:34:A:VAL:HG21	1:132:A:LEU:HB3	14	2.31
(1,1364)	1:34:A:VAL:HG22	1:132:A:LEU:HB3	14	2.31
(1,1364)	1:34:A:VAL:HG23	1:132:A:LEU:HB3	14	2.31
(1,1872)	1:64:A:PRO:HD3	1:63:A:LEU:HD11	15	2.3
(1,1872)	1:64:A:PRO:HD3	1:63:A:LEU:HD12	15	2.3
(1,1872)	1:64:A:PRO:HD3	1:63:A:LEU:HD13	15	2.3
(1,1872)	1:64:A:PRO:HD3	1:63:A:LEU:HD11	18	2.3
(1,1872)	1:64:A:PRO:HD3	1:63:A:LEU:HD12	18	2.3
(1,1872)	1:64:A:PRO:HD3	1:63:A:LEU:HD13	18	2.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG11	13	2.29
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG12	13	2.29
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG13	13	2.29
(1,1364)	1:34:A:VAL:HG21	1:132:A:LEU:HB3	13	2.29
(1,1364)	1:34:A:VAL:HG22	1:132:A:LEU:HB3	13	2.29
(1,1364)	1:34:A:VAL:HG23	1:132:A:LEU:HB3	13	2.29
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG21	12	2.28
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG22	12	2.28
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG23	12	2.28
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG21	12	2.28
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG22	12	2.28
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG23	12	2.28
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG21	12	2.28
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG22	12	2.28
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG23	12	2.28
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD11	13	2.28
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD12	13	2.28
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD13	13	2.28
(1,1364)	1:34:A:VAL:HG21	1:132:A:LEU:HB3	2	2.28
(1,1364)	1:34:A:VAL:HG22	1:132:A:LEU:HB3	2	2.28
(1,1364)	1:34:A:VAL:HG23	1:132:A:LEU:HB3	2	2.28
(1,2616)	1:27:A:VAL:HG21	1:177:A:TRP:HZ2	1	2.27
(1,2616)	1:27:A:VAL:HG22	1:177:A:TRP:HZ2	1	2.27
(1,2616)	1:27:A:VAL:HG23	1:177:A:TRP:HZ2	1	2.27
(1,2108)	1:150:A:PHE:HB3	1:142:A:VAL:HG11	12	2.27
(1,2108)	1:150:A:PHE:HB3	1:142:A:VAL:HG12	12	2.27
(1,2108)	1:150:A:PHE:HB3	1:142:A:VAL:HG13	12	2.27
(1,1364)	1:34:A:VAL:HG21	1:132:A:LEU:HB3	8	2.27
(1,1364)	1:34:A:VAL:HG22	1:132:A:LEU:HB3	8	2.27
(1,1364)	1:34:A:VAL:HG23	1:132:A:LEU:HB3	8	2.27
(1,1895)	1:142:A:VAL:HB	1:147:A:LEU:HD21	7	2.26
(1,1895)	1:142:A:VAL:HB	1:147:A:LEU:HD22	7	2.26
(1,1895)	1:142:A:VAL:HB	1:147:A:LEU:HD23	7	2.26
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD11	9	2.26
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD12	9	2.26
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD13	9	2.26
(1,1864)	1:125:A:TRP:HZ3	1:129:A:VAL:HG11	7	2.26
(1,1864)	1:125:A:TRP:HZ3	1:129:A:VAL:HG12	7	2.26
(1,1864)	1:125:A:TRP:HZ3	1:129:A:VAL:HG13	7	2.26
(1,1364)	1:34:A:VAL:HG21	1:132:A:LEU:HB3	3	2.26
(1,1364)	1:34:A:VAL:HG22	1:132:A:LEU:HB3	3	2.26
(1,1364)	1:34:A:VAL:HG23	1:132:A:LEU:HB3	3	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1364)	1:34:A:VAL:HG21	1:132:A:LEU:HB3	7	2.26
(1,1364)	1:34:A:VAL:HG22	1:132:A:LEU:HB3	7	2.26
(1,1364)	1:34:A:VAL:HG23	1:132:A:LEU:HB3	7	2.26
(1,1364)	1:34:A:VAL:HG21	1:132:A:LEU:HB3	10	2.26
(1,1364)	1:34:A:VAL:HG22	1:132:A:LEU:HB3	10	2.26
(1,1364)	1:34:A:VAL:HG23	1:132:A:LEU:HB3	10	2.26
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG21	8	2.25
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG22	8	2.25
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG23	8	2.25
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG21	8	2.25
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG22	8	2.25
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG23	8	2.25
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG21	8	2.25
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG22	8	2.25
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG23	8	2.25
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG21	16	2.25
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG22	16	2.25
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG23	16	2.25
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG21	16	2.25
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG22	16	2.25
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG23	16	2.25
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG21	16	2.25
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG22	16	2.25
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG23	16	2.25
(1,1364)	1:34:A:VAL:HG21	1:132:A:LEU:HB3	17	2.25
(1,1364)	1:34:A:VAL:HG22	1:132:A:LEU:HB3	17	2.25
(1,1364)	1:34:A:VAL:HG23	1:132:A:LEU:HB3	17	2.25
(1,2616)	1:27:A:VAL:HG21	1:177:A:TRP:HZ2	15	2.24
(1,2616)	1:27:A:VAL:HG22	1:177:A:TRP:HZ2	15	2.24
(1,2616)	1:27:A:VAL:HG23	1:177:A:TRP:HZ2	15	2.24
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG21	1	2.24
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG22	1	2.24
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG23	1	2.24
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG21	1	2.24
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG22	1	2.24
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG23	1	2.24
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG21	1	2.24
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG22	1	2.24
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG23	1	2.24
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG21	15	2.24
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG22	15	2.24
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG23	15	2.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG21	15	2.24
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG22	15	2.24
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG23	15	2.24
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG21	15	2.24
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG22	15	2.24
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG23	15	2.24
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG11	6	2.24
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG12	6	2.24
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG13	6	2.24
(1,1872)	1:64:A:PRO:HD3	1:63:A:LEU:HD11	13	2.24
(1,1872)	1:64:A:PRO:HD3	1:63:A:LEU:HD12	13	2.24
(1,1872)	1:64:A:PRO:HD3	1:63:A:LEU:HD13	13	2.24
(1,1116)	1:158:A:VAL:HG21	1:135:A:GLY:HA2	10	2.24
(1,1116)	1:158:A:VAL:HG22	1:135:A:GLY:HA2	10	2.24
(1,1116)	1:158:A:VAL:HG23	1:135:A:GLY:HA2	10	2.24
(1,2616)	1:27:A:VAL:HG21	1:177:A:TRP:HZ2	6	2.23
(1,2616)	1:27:A:VAL:HG22	1:177:A:TRP:HZ2	6	2.23
(1,2616)	1:27:A:VAL:HG23	1:177:A:TRP:HZ2	6	2.23
(1,2616)	1:27:A:VAL:HG21	1:177:A:TRP:HZ2	9	2.23
(1,2616)	1:27:A:VAL:HG22	1:177:A:TRP:HZ2	9	2.23
(1,2616)	1:27:A:VAL:HG23	1:177:A:TRP:HZ2	9	2.23
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG11	4	2.23
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG12	4	2.23
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG13	4	2.23
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD11	7	2.23
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD12	7	2.23
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD13	7	2.23
(1,1872)	1:64:A:PRO:HD3	1:63:A:LEU:HD11	9	2.22
(1,1872)	1:64:A:PRO:HD3	1:63:A:LEU:HD12	9	2.22
(1,1872)	1:64:A:PRO:HD3	1:63:A:LEU:HD13	9	2.22
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD21	10	2.22
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD22	10	2.22
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD23	10	2.22
(1,347)	1:34:A:VAL:HG11	1:71:A:MET:H	2	2.22
(1,347)	1:34:A:VAL:HG12	1:71:A:MET:H	2	2.22
(1,347)	1:34:A:VAL:HG13	1:71:A:MET:H	2	2.22
(1,1872)	1:64:A:PRO:HD3	1:63:A:LEU:HD11	1	2.21
(1,1872)	1:64:A:PRO:HD3	1:63:A:LEU:HD12	1	2.21
(1,1872)	1:64:A:PRO:HD3	1:63:A:LEU:HD13	1	2.21
(1,1864)	1:125:A:TRP:HZ3	1:129:A:VAL:HG11	20	2.21
(1,1864)	1:125:A:TRP:HZ3	1:129:A:VAL:HG12	20	2.21
(1,1864)	1:125:A:TRP:HZ3	1:129:A:VAL:HG13	20	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2616)	1:27:A:VAL:HG21	1:177:A:TRP:HZ2	16	2.2
(1,2616)	1:27:A:VAL:HG22	1:177:A:TRP:HZ2	16	2.2
(1,2616)	1:27:A:VAL:HG23	1:177:A:TRP:HZ2	16	2.2
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE1	16	2.2
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE2	16	2.2
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE3	16	2.2
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE1	16	2.2
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE2	16	2.2
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE3	16	2.2
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE1	16	2.2
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE2	16	2.2
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE3	16	2.2
(1,1364)	1:34:A:VAL:HG21	1:132:A:LEU:HB3	11	2.19
(1,1364)	1:34:A:VAL:HG22	1:132:A:LEU:HB3	11	2.19
(1,1364)	1:34:A:VAL:HG23	1:132:A:LEU:HB3	11	2.19
(1,1364)	1:34:A:VAL:HG21	1:132:A:LEU:HB3	20	2.19
(1,1364)	1:34:A:VAL:HG22	1:132:A:LEU:HB3	20	2.19
(1,1364)	1:34:A:VAL:HG23	1:132:A:LEU:HB3	20	2.19
(1,347)	1:34:A:VAL:HG11	1:71:A:MET:H	20	2.19
(1,347)	1:34:A:VAL:HG12	1:71:A:MET:H	20	2.19
(1,347)	1:34:A:VAL:HG13	1:71:A:MET:H	20	2.19
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG11	5	2.18
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG12	5	2.18
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG13	5	2.18
(1,2616)	1:27:A:VAL:HG21	1:177:A:TRP:HZ2	2	2.17
(1,2616)	1:27:A:VAL:HG22	1:177:A:TRP:HZ2	2	2.17
(1,2616)	1:27:A:VAL:HG23	1:177:A:TRP:HZ2	2	2.17
(1,2616)	1:27:A:VAL:HG21	1:177:A:TRP:HZ2	7	2.17
(1,2616)	1:27:A:VAL:HG22	1:177:A:TRP:HZ2	7	2.17
(1,2616)	1:27:A:VAL:HG23	1:177:A:TRP:HZ2	7	2.17
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE1	17	2.17
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE2	17	2.17
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE3	17	2.17
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE1	17	2.17
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE2	17	2.17
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE3	17	2.17
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE1	17	2.17
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE2	17	2.17
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE3	17	2.17
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG21	14	2.17
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG22	14	2.17
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG23	14	2.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG21	14	2.17
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG22	14	2.17
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG23	14	2.17
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG21	14	2.17
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG22	14	2.17
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG23	14	2.17
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG21	20	2.17
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG22	20	2.17
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG23	20	2.17
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG21	20	2.17
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG22	20	2.17
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG23	20	2.17
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG21	20	2.17
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG22	20	2.17
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG23	20	2.17
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG11	2	2.17
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG12	2	2.17
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG13	2	2.17
(1,347)	1:34:A:VAL:HG11	1:71:A:MET:H	14	2.17
(1,347)	1:34:A:VAL:HG12	1:71:A:MET:H	14	2.17
(1,347)	1:34:A:VAL:HG13	1:71:A:MET:H	14	2.17
(1,347)	1:34:A:VAL:HG11	1:71:A:MET:H	18	2.17
(1,347)	1:34:A:VAL:HG12	1:71:A:MET:H	18	2.17
(1,347)	1:34:A:VAL:HG13	1:71:A:MET:H	18	2.17
(1,2616)	1:27:A:VAL:HG21	1:177:A:TRP:HZ2	5	2.16
(1,2616)	1:27:A:VAL:HG22	1:177:A:TRP:HZ2	5	2.16
(1,2616)	1:27:A:VAL:HG23	1:177:A:TRP:HZ2	5	2.16
(1,2616)	1:27:A:VAL:HG21	1:177:A:TRP:HZ2	8	2.16
(1,2616)	1:27:A:VAL:HG22	1:177:A:TRP:HZ2	8	2.16
(1,2616)	1:27:A:VAL:HG23	1:177:A:TRP:HZ2	8	2.16
(1,2616)	1:27:A:VAL:HG21	1:177:A:TRP:HZ2	10	2.16
(1,2616)	1:27:A:VAL:HG22	1:177:A:TRP:HZ2	10	2.16
(1,2616)	1:27:A:VAL:HG23	1:177:A:TRP:HZ2	10	2.16
(1,2616)	1:27:A:VAL:HG21	1:177:A:TRP:HZ2	11	2.16
(1,2616)	1:27:A:VAL:HG22	1:177:A:TRP:HZ2	11	2.16
(1,2616)	1:27:A:VAL:HG23	1:177:A:TRP:HZ2	11	2.16
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE1	18	2.15
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE2	18	2.15
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE3	18	2.15
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE1	18	2.15
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE2	18	2.15
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE3	18	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE1	18	2.15
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE2	18	2.15
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE3	18	2.15
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG11	19	2.15
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG12	19	2.15
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG13	19	2.15
(1,2616)	1:27:A:VAL:HG21	1:177:A:TRP:HZ2	17	2.14
(1,2616)	1:27:A:VAL:HG22	1:177:A:TRP:HZ2	17	2.14
(1,2616)	1:27:A:VAL:HG23	1:177:A:TRP:HZ2	17	2.14
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG11	20	2.14
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG12	20	2.14
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG13	20	2.14
(1,1682)	1:163:A:LEU:HB3	1:164:A:HIS:HB3	10	2.14
(1,347)	1:34:A:VAL:HG11	1:71:A:MET:H	3	2.14
(1,347)	1:34:A:VAL:HG12	1:71:A:MET:H	3	2.14
(1,347)	1:34:A:VAL:HG13	1:71:A:MET:H	3	2.14
(1,2616)	1:27:A:VAL:HG21	1:177:A:TRP:HZ2	14	2.13
(1,2616)	1:27:A:VAL:HG22	1:177:A:TRP:HZ2	14	2.13
(1,2616)	1:27:A:VAL:HG23	1:177:A:TRP:HZ2	14	2.13
(1,34)	1:118:A:LEU:HD21	1:134:A:PHE:H	17	2.13
(1,34)	1:118:A:LEU:HD22	1:134:A:PHE:H	17	2.13
(1,34)	1:118:A:LEU:HD23	1:134:A:PHE:H	17	2.13
(1,1757)	1:19:A:LEU:HB3	1:20:A:PRO:HG3	7	2.12
(1,1746)	1:86:A:ASN:HB3	1:87:A:ARG:HG3	18	2.12
(1,2108)	1:150:A:PHE:HB3	1:142:A:VAL:HG11	6	2.11
(1,2108)	1:150:A:PHE:HB3	1:142:A:VAL:HG12	6	2.11
(1,2108)	1:150:A:PHE:HB3	1:142:A:VAL:HG13	6	2.11
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG21	6	2.11
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG22	6	2.11
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG23	6	2.11
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG21	6	2.11
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG22	6	2.11
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG23	6	2.11
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG21	6	2.11
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG22	6	2.11
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG23	6	2.11
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG11	8	2.11
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG12	8	2.11
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG13	8	2.11
(1,34)	1:118:A:LEU:HD21	1:134:A:PHE:H	3	2.11
(1,34)	1:118:A:LEU:HD22	1:134:A:PHE:H	3	2.11
(1,34)	1:118:A:LEU:HD23	1:134:A:PHE:H	3	2.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2616)	1:27:A:VAL:HG21	1:177:A:TRP:HZ2	3	2.1
(1,2616)	1:27:A:VAL:HG22	1:177:A:TRP:HZ2	3	2.1
(1,2616)	1:27:A:VAL:HG23	1:177:A:TRP:HZ2	3	2.1
(1,2616)	1:27:A:VAL:HG21	1:177:A:TRP:HZ2	13	2.09
(1,2616)	1:27:A:VAL:HG22	1:177:A:TRP:HZ2	13	2.09
(1,2616)	1:27:A:VAL:HG23	1:177:A:TRP:HZ2	13	2.09
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG21	5	2.09
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG22	5	2.09
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG23	5	2.09
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG21	5	2.09
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG22	5	2.09
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG23	5	2.09
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG21	5	2.09
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG22	5	2.09
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG23	5	2.09
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG21	19	2.09
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG22	19	2.09
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG23	19	2.09
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG21	19	2.09
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG22	19	2.09
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG23	19	2.09
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG21	19	2.09
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG22	19	2.09
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG23	19	2.09
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG11	14	2.09
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG12	14	2.09
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG13	14	2.09
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG11	15	2.09
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG12	15	2.09
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG13	15	2.09
(1,1864)	1:125:A:TRP:HZ3	1:129:A:VAL:HG11	4	2.09
(1,1864)	1:125:A:TRP:HZ3	1:129:A:VAL:HG12	4	2.09
(1,1864)	1:125:A:TRP:HZ3	1:129:A:VAL:HG13	4	2.09
(1,347)	1:34:A:VAL:HG11	1:71:A:MET:H	7	2.09
(1,347)	1:34:A:VAL:HG12	1:71:A:MET:H	7	2.09
(1,347)	1:34:A:VAL:HG13	1:71:A:MET:H	7	2.09
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG11	10	2.08
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG12	10	2.08
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG13	10	2.08
(1,1676)	1:101:A:GLN:HG3	1:99:A:HIS:HB3	13	2.08
(1,1549)	1:61:A:VAL:HG11	1:60:A:MET:HB3	14	2.08
(1,1549)	1:61:A:VAL:HG12	1:60:A:MET:HB3	14	2.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1549)	1:61:A:VAL:HG13	1:60:A:MET:HB3	14	2.08
(1,2616)	1:27:A:VAL:HG21	1:177:A:TRP:HZ2	19	2.07
(1,2616)	1:27:A:VAL:HG22	1:177:A:TRP:HZ2	19	2.07
(1,2616)	1:27:A:VAL:HG23	1:177:A:TRP:HZ2	19	2.07
(1,1867)	1:73:A:GLN:HG3	1:181:A:LEU:HD11	9	2.07
(1,1867)	1:73:A:GLN:HG3	1:181:A:LEU:HD12	9	2.07
(1,1867)	1:73:A:GLN:HG3	1:181:A:LEU:HD13	9	2.07
(1,347)	1:34:A:VAL:HG11	1:71:A:MET:H	5	2.07
(1,347)	1:34:A:VAL:HG12	1:71:A:MET:H	5	2.07
(1,347)	1:34:A:VAL:HG13	1:71:A:MET:H	5	2.07
(1,34)	1:118:A:LEU:HD21	1:134:A:PHE:H	4	2.07
(1,34)	1:118:A:LEU:HD22	1:134:A:PHE:H	4	2.07
(1,34)	1:118:A:LEU:HD23	1:134:A:PHE:H	4	2.07
(1,34)	1:118:A:LEU:HD21	1:134:A:PHE:H	12	2.07
(1,34)	1:118:A:LEU:HD22	1:134:A:PHE:H	12	2.07
(1,34)	1:118:A:LEU:HD23	1:134:A:PHE:H	12	2.07
(1,347)	1:34:A:VAL:HG11	1:71:A:MET:H	4	2.06
(1,347)	1:34:A:VAL:HG12	1:71:A:MET:H	4	2.06
(1,347)	1:34:A:VAL:HG13	1:71:A:MET:H	4	2.06
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG11	16	2.05
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG12	16	2.05
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG13	16	2.05
(1,1895)	1:142:A:VAL:HB	1:147:A:LEU:HD21	20	2.05
(1,1895)	1:142:A:VAL:HB	1:147:A:LEU:HD22	20	2.05
(1,1895)	1:142:A:VAL:HB	1:147:A:LEU:HD23	20	2.05
(1,1676)	1:101:A:GLN:HG3	1:99:A:HIS:HB3	17	2.05
(1,1549)	1:61:A:VAL:HG11	1:60:A:MET:HB3	6	2.05
(1,1549)	1:61:A:VAL:HG12	1:60:A:MET:HB3	6	2.05
(1,1549)	1:61:A:VAL:HG13	1:60:A:MET:HB3	6	2.05
(1,1549)	1:61:A:VAL:HG11	1:60:A:MET:HB3	15	2.05
(1,1549)	1:61:A:VAL:HG12	1:60:A:MET:HB3	15	2.05
(1,1549)	1:61:A:VAL:HG13	1:60:A:MET:HB3	15	2.05
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG21	9	2.04
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG22	9	2.04
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG23	9	2.04
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG21	9	2.04
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG22	9	2.04
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG23	9	2.04
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG21	9	2.04
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG22	9	2.04
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG23	9	2.04
(1,1895)	1:142:A:VAL:HB	1:147:A:LEU:HD21	15	2.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1895)	1:142:A:VAL:HB	1:147:A:LEU:HD22	15	2.04
(1,1895)	1:142:A:VAL:HB	1:147:A:LEU:HD23	15	2.04
(1,1549)	1:61:A:VAL:HG11	1:60:A:MET:HB3	7	2.04
(1,1549)	1:61:A:VAL:HG12	1:60:A:MET:HB3	7	2.04
(1,1549)	1:61:A:VAL:HG13	1:60:A:MET:HB3	7	2.04
(1,1549)	1:61:A:VAL:HG11	1:60:A:MET:HB3	10	2.04
(1,1549)	1:61:A:VAL:HG12	1:60:A:MET:HB3	10	2.04
(1,1549)	1:61:A:VAL:HG13	1:60:A:MET:HB3	10	2.04
(1,1549)	1:61:A:VAL:HG11	1:60:A:MET:HB3	2	2.03
(1,1549)	1:61:A:VAL:HG12	1:60:A:MET:HB3	2	2.03
(1,1549)	1:61:A:VAL:HG13	1:60:A:MET:HB3	2	2.03
(1,813)	1:92:A:GLU:HG3	1:91:A:SER:HB3	5	2.02
(1,347)	1:34:A:VAL:HG11	1:71:A:MET:H	6	2.02
(1,347)	1:34:A:VAL:HG12	1:71:A:MET:H	6	2.02
(1,347)	1:34:A:VAL:HG13	1:71:A:MET:H	6	2.02
(1,347)	1:34:A:VAL:HG11	1:71:A:MET:H	10	2.02
(1,347)	1:34:A:VAL:HG12	1:71:A:MET:H	10	2.02
(1,347)	1:34:A:VAL:HG13	1:71:A:MET:H	10	2.02
(1,34)	1:118:A:LEU:HD21	1:134:A:PHE:H	14	2.02
(1,34)	1:118:A:LEU:HD22	1:134:A:PHE:H	14	2.02
(1,34)	1:118:A:LEU:HD23	1:134:A:PHE:H	14	2.02
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG21	7	2.01
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG22	7	2.01
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG23	7	2.01
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG21	7	2.01
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG22	7	2.01
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG23	7	2.01
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG21	7	2.01
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG22	7	2.01
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG23	7	2.01
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG11	1	2.01
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG12	1	2.01
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG13	1	2.01
(1,347)	1:34:A:VAL:HG11	1:71:A:MET:H	1	2.01
(1,347)	1:34:A:VAL:HG12	1:71:A:MET:H	1	2.01
(1,347)	1:34:A:VAL:HG13	1:71:A:MET:H	1	2.01
(1,3032)	1:118:A:LEU:HD11	2:91:B:ALA:HB1	4	2.0
(1,3032)	1:118:A:LEU:HD11	2:91:B:ALA:HB2	4	2.0
(1,3032)	1:118:A:LEU:HD11	2:91:B:ALA:HB3	4	2.0
(1,3032)	1:118:A:LEU:HD12	2:91:B:ALA:HB1	4	2.0
(1,3032)	1:118:A:LEU:HD12	2:91:B:ALA:HB2	4	2.0
(1,3032)	1:118:A:LEU:HD12	2:91:B:ALA:HB3	4	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3032)	1:118:A:LEU:HD13	2:91:B:ALA:HB1	4	2.0
(1,3032)	1:118:A:LEU:HD13	2:91:B:ALA:HB2	4	2.0
(1,3032)	1:118:A:LEU:HD13	2:91:B:ALA:HB3	4	2.0
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE1	5	2.0
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE2	5	2.0
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE3	5	2.0
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE1	5	2.0
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE2	5	2.0
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE3	5	2.0
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE1	5	2.0
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE2	5	2.0
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE3	5	2.0
(1,1126)	1:153:A:GLN:HG3	1:152:A:GLY:HA2	16	2.0
(1,1895)	1:142:A:VAL:HB	1:147:A:LEU:HD21	13	1.99
(1,1895)	1:142:A:VAL:HB	1:147:A:LEU:HD22	13	1.99
(1,1895)	1:142:A:VAL:HB	1:147:A:LEU:HD23	13	1.99
(1,1682)	1:163:A:LEU:HB3	1:164:A:HIS:HB3	5	1.99
(1,34)	1:118:A:LEU:HD21	1:134:A:PHE:H	6	1.99
(1,34)	1:118:A:LEU:HD22	1:134:A:PHE:H	6	1.99
(1,34)	1:118:A:LEU:HD23	1:134:A:PHE:H	6	1.99
(1,34)	1:118:A:LEU:HD21	1:134:A:PHE:H	19	1.99
(1,34)	1:118:A:LEU:HD22	1:134:A:PHE:H	19	1.99
(1,34)	1:118:A:LEU:HD23	1:134:A:PHE:H	19	1.99
(1,2616)	1:27:A:VAL:HG21	1:177:A:TRP:HZ2	18	1.98
(1,2616)	1:27:A:VAL:HG22	1:177:A:TRP:HZ2	18	1.98
(1,2616)	1:27:A:VAL:HG23	1:177:A:TRP:HZ2	18	1.98
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE1	15	1.98
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE2	15	1.98
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE3	15	1.98
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE1	15	1.98
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE2	15	1.98
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE3	15	1.98
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE1	15	1.98
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE2	15	1.98
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE3	15	1.98
(1,1895)	1:142:A:VAL:HB	1:147:A:LEU:HD21	4	1.98
(1,1895)	1:142:A:VAL:HB	1:147:A:LEU:HD22	4	1.98
(1,1895)	1:142:A:VAL:HB	1:147:A:LEU:HD23	4	1.98
(1,1895)	1:142:A:VAL:HB	1:147:A:LEU:HD21	17	1.98
(1,1895)	1:142:A:VAL:HB	1:147:A:LEU:HD22	17	1.98
(1,1895)	1:142:A:VAL:HB	1:147:A:LEU:HD23	17	1.98
(1,1549)	1:61:A:VAL:HG11	1:60:A:MET:HB3	3	1.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1549)	1:61:A:VAL:HG12	1:60:A:MET:HB3	3	1.98
(1,1549)	1:61:A:VAL:HG13	1:60:A:MET:HB3	3	1.98
(1,1549)	1:61:A:VAL:HG11	1:60:A:MET:HB3	18	1.98
(1,1549)	1:61:A:VAL:HG12	1:60:A:MET:HB3	18	1.98
(1,1549)	1:61:A:VAL:HG13	1:60:A:MET:HB3	18	1.98
(1,1126)	1:153:A:GLN:HG3	1:152:A:GLY:HA2	8	1.97
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE1	4	1.96
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE2	4	1.96
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE3	4	1.96
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE1	4	1.96
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE2	4	1.96
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE3	4	1.96
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE1	4	1.96
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE2	4	1.96
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE3	4	1.96
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE1	6	1.96
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE2	6	1.96
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE3	6	1.96
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE1	6	1.96
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE2	6	1.96
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE3	6	1.96
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE1	6	1.96
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE2	6	1.96
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE3	6	1.96
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE1	10	1.96
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE2	10	1.96
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE3	10	1.96
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE1	10	1.96
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE2	10	1.96
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE3	10	1.96
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE1	10	1.96
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE2	10	1.96
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE3	10	1.96
(1,1980)	1:38:A:TYR:H	1:39:A:VAL:HG21	2	1.96
(1,1980)	1:38:A:TYR:H	1:39:A:VAL:HG22	2	1.96
(1,1980)	1:38:A:TYR:H	1:39:A:VAL:HG23	2	1.96
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG11	18	1.96
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG12	18	1.96
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG13	18	1.96
(1,2616)	1:27:A:VAL:HG21	1:177:A:TRP:HZ2	20	1.95
(1,2616)	1:27:A:VAL:HG22	1:177:A:TRP:HZ2	20	1.95
(1,2616)	1:27:A:VAL:HG23	1:177:A:TRP:HZ2	20	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE1	3	1.95
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE2	3	1.95
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE3	3	1.95
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE1	3	1.95
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE2	3	1.95
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE3	3	1.95
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE1	3	1.95
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE2	3	1.95
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE3	3	1.95
(1,1126)	1:153:A:GLN:HG3	1:152:A:GLY:HA2	18	1.95
(1,813)	1:92:A:GLU:HG3	1:91:A:SER:HB3	13	1.95
(1,2439)	1:118:A:LEU:HD21	1:134:A:PHE:HE1	19	1.94
(1,2439)	1:118:A:LEU:HD21	1:134:A:PHE:HE2	19	1.94
(1,2439)	1:118:A:LEU:HD22	1:134:A:PHE:HE1	19	1.94
(1,2439)	1:118:A:LEU:HD22	1:134:A:PHE:HE2	19	1.94
(1,2439)	1:118:A:LEU:HD23	1:134:A:PHE:HE1	19	1.94
(1,2439)	1:118:A:LEU:HD23	1:134:A:PHE:HE2	19	1.94
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE1	2	1.94
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE2	2	1.94
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE3	2	1.94
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE1	2	1.94
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE2	2	1.94
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE3	2	1.94
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE1	2	1.94
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE2	2	1.94
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE3	2	1.94
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG11	8	1.94
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG12	8	1.94
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG13	8	1.94
(1,347)	1:34:A:VAL:HG11	1:71:A:MET:H	13	1.94
(1,347)	1:34:A:VAL:HG12	1:71:A:MET:H	13	1.94
(1,347)	1:34:A:VAL:HG13	1:71:A:MET:H	13	1.94
(1,3032)	1:118:A:LEU:HD11	2:91:B:ALA:HB1	6	1.93
(1,3032)	1:118:A:LEU:HD11	2:91:B:ALA:HB2	6	1.93
(1,3032)	1:118:A:LEU:HD11	2:91:B:ALA:HB3	6	1.93
(1,3032)	1:118:A:LEU:HD12	2:91:B:ALA:HB1	6	1.93
(1,3032)	1:118:A:LEU:HD12	2:91:B:ALA:HB2	6	1.93
(1,3032)	1:118:A:LEU:HD12	2:91:B:ALA:HB3	6	1.93
(1,3032)	1:118:A:LEU:HD13	2:91:B:ALA:HB1	6	1.93
(1,3032)	1:118:A:LEU:HD13	2:91:B:ALA:HB2	6	1.93
(1,3032)	1:118:A:LEU:HD13	2:91:B:ALA:HB3	6	1.93
(1,2395)	1:142:A:VAL:HG11	1:150:A:PHE:HD1	2	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2395)	1:142:A:VAL:HG11	1:150:A:PHE:HD2	2	1.93
(1,2395)	1:142:A:VAL:HG12	1:150:A:PHE:HD1	2	1.93
(1,2395)	1:142:A:VAL:HG12	1:150:A:PHE:HD2	2	1.93
(1,2395)	1:142:A:VAL:HG13	1:150:A:PHE:HD1	2	1.93
(1,2395)	1:142:A:VAL:HG13	1:150:A:PHE:HD2	2	1.93
(1,2108)	1:150:A:PHE:HB3	1:142:A:VAL:HG11	16	1.93
(1,2108)	1:150:A:PHE:HB3	1:142:A:VAL:HG12	16	1.93
(1,2108)	1:150:A:PHE:HB3	1:142:A:VAL:HG13	16	1.93
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE1	2	1.93
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE2	2	1.93
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE3	2	1.93
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE1	2	1.93
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE2	2	1.93
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE3	2	1.93
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE1	2	1.93
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE2	2	1.93
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE3	2	1.93
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE1	13	1.93
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE2	13	1.93
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE3	13	1.93
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE1	13	1.93
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE2	13	1.93
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE3	13	1.93
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE1	13	1.93
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE2	13	1.93
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE3	13	1.93
(1,1980)	1:38:A:TYR:H	1:39:A:VAL:HG21	12	1.93
(1,1980)	1:38:A:TYR:H	1:39:A:VAL:HG22	12	1.93
(1,1980)	1:38:A:TYR:H	1:39:A:VAL:HG23	12	1.93
(1,1980)	1:38:A:TYR:H	1:39:A:VAL:HG21	14	1.93
(1,1980)	1:38:A:TYR:H	1:39:A:VAL:HG22	14	1.93
(1,1980)	1:38:A:TYR:H	1:39:A:VAL:HG23	14	1.93
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG21	13	1.93
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG22	13	1.93
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG23	13	1.93
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG21	13	1.93
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG22	13	1.93
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG23	13	1.93
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG21	13	1.93
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG22	13	1.93
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG23	13	1.93
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG21	16	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG22	16	1.92
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG23	16	1.92
(1,1980)	1:38:A:TYR:H	1:39:A:VAL:HG21	20	1.92
(1,1980)	1:38:A:TYR:H	1:39:A:VAL:HG22	20	1.92
(1,1980)	1:38:A:TYR:H	1:39:A:VAL:HG23	20	1.92
(1,1126)	1:153:A:GLN:HG3	1:152:A:GLY:HA2	10	1.92
(1,347)	1:34:A:VAL:HG11	1:71:A:MET:H	8	1.92
(1,347)	1:34:A:VAL:HG12	1:71:A:MET:H	8	1.92
(1,347)	1:34:A:VAL:HG13	1:71:A:MET:H	8	1.92
(1,3032)	1:118:A:LEU:HD11	2:91:B:ALA:HB1	14	1.91
(1,3032)	1:118:A:LEU:HD11	2:91:B:ALA:HB2	14	1.91
(1,3032)	1:118:A:LEU:HD11	2:91:B:ALA:HB3	14	1.91
(1,3032)	1:118:A:LEU:HD12	2:91:B:ALA:HB1	14	1.91
(1,3032)	1:118:A:LEU:HD12	2:91:B:ALA:HB2	14	1.91
(1,3032)	1:118:A:LEU:HD12	2:91:B:ALA:HB3	14	1.91
(1,3032)	1:118:A:LEU:HD13	2:91:B:ALA:HB1	14	1.91
(1,3032)	1:118:A:LEU:HD13	2:91:B:ALA:HB2	14	1.91
(1,3032)	1:118:A:LEU:HD13	2:91:B:ALA:HB3	14	1.91
(1,2616)	1:27:A:VAL:HG21	1:177:A:TRP:HZ2	4	1.91
(1,2616)	1:27:A:VAL:HG22	1:177:A:TRP:HZ2	4	1.91
(1,2616)	1:27:A:VAL:HG23	1:177:A:TRP:HZ2	4	1.91
(1,1980)	1:38:A:TYR:H	1:39:A:VAL:HG21	3	1.91
(1,1980)	1:38:A:TYR:H	1:39:A:VAL:HG22	3	1.91
(1,1980)	1:38:A:TYR:H	1:39:A:VAL:HG23	3	1.91
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG21	4	1.91
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG22	4	1.91
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG23	4	1.91
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG21	4	1.91
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG22	4	1.91
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG23	4	1.91
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG21	4	1.91
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG22	4	1.91
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG23	4	1.91
(1,1126)	1:153:A:GLN:HG3	1:152:A:GLY:HA2	5	1.91
(1,1126)	1:153:A:GLN:HG3	1:152:A:GLY:HA2	20	1.91
(1,3032)	1:118:A:LEU:HD11	2:91:B:ALA:HB1	19	1.9
(1,3032)	1:118:A:LEU:HD11	2:91:B:ALA:HB2	19	1.9
(1,3032)	1:118:A:LEU:HD11	2:91:B:ALA:HB3	19	1.9
(1,3032)	1:118:A:LEU:HD12	2:91:B:ALA:HB1	19	1.9
(1,3032)	1:118:A:LEU:HD12	2:91:B:ALA:HB2	19	1.9
(1,3032)	1:118:A:LEU:HD12	2:91:B:ALA:HB3	19	1.9
(1,3032)	1:118:A:LEU:HD13	2:91:B:ALA:HB1	19	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3032)	1:118:A:LEU:HD13	2:91:B:ALA:HB2	19	1.9
(1,3032)	1:118:A:LEU:HD13	2:91:B:ALA:HB3	19	1.9
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE1	9	1.9
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE2	9	1.9
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE3	9	1.9
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE1	9	1.9
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE2	9	1.9
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE3	9	1.9
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE1	9	1.9
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE2	9	1.9
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE3	9	1.9
(1,1864)	1:125:A:TRP:HZ3	1:129:A:VAL:HG11	5	1.9
(1,1864)	1:125:A:TRP:HZ3	1:129:A:VAL:HG12	5	1.9
(1,1864)	1:125:A:TRP:HZ3	1:129:A:VAL:HG13	5	1.9
(1,1126)	1:153:A:GLN:HG3	1:152:A:GLY:HA2	19	1.9
(1,3032)	1:118:A:LEU:HD11	2:91:B:ALA:HB1	17	1.89
(1,3032)	1:118:A:LEU:HD11	2:91:B:ALA:HB2	17	1.89
(1,3032)	1:118:A:LEU:HD11	2:91:B:ALA:HB3	17	1.89
(1,3032)	1:118:A:LEU:HD12	2:91:B:ALA:HB1	17	1.89
(1,3032)	1:118:A:LEU:HD12	2:91:B:ALA:HB2	17	1.89
(1,3032)	1:118:A:LEU:HD12	2:91:B:ALA:HB3	17	1.89
(1,3032)	1:118:A:LEU:HD13	2:91:B:ALA:HB1	17	1.89
(1,3032)	1:118:A:LEU:HD13	2:91:B:ALA:HB2	17	1.89
(1,3032)	1:118:A:LEU:HD13	2:91:B:ALA:HB3	17	1.89
(1,2395)	1:142:A:VAL:HG11	1:150:A:PHE:HD1	18	1.89
(1,2395)	1:142:A:VAL:HG11	1:150:A:PHE:HD2	18	1.89
(1,2395)	1:142:A:VAL:HG12	1:150:A:PHE:HD1	18	1.89
(1,2395)	1:142:A:VAL:HG12	1:150:A:PHE:HD2	18	1.89
(1,2395)	1:142:A:VAL:HG13	1:150:A:PHE:HD1	18	1.89
(1,2395)	1:142:A:VAL:HG13	1:150:A:PHE:HD2	18	1.89
(1,1126)	1:153:A:GLN:HG3	1:152:A:GLY:HA2	1	1.89
(1,1126)	1:153:A:GLN:HG3	1:152:A:GLY:HA2	2	1.89
(1,1126)	1:153:A:GLN:HG3	1:152:A:GLY:HA2	4	1.89
(1,1980)	1:38:A:TYR:H	1:39:A:VAL:HG21	5	1.88
(1,1980)	1:38:A:TYR:H	1:39:A:VAL:HG22	5	1.88
(1,1980)	1:38:A:TYR:H	1:39:A:VAL:HG23	5	1.88
(1,1570)	1:159:A:VAL:HG11	1:158:A:VAL:HB	10	1.88
(1,1570)	1:159:A:VAL:HG12	1:158:A:VAL:HB	10	1.88
(1,1570)	1:159:A:VAL:HG13	1:158:A:VAL:HB	10	1.88
(1,1126)	1:153:A:GLN:HG3	1:152:A:GLY:HA2	9	1.88
(1,347)	1:34:A:VAL:HG11	1:71:A:MET:H	12	1.88
(1,347)	1:34:A:VAL:HG12	1:71:A:MET:H	12	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,347)	1:34:A:VAL:HG13	1:71:A:MET:H	12	1.88
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE1	20	1.87
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE2	20	1.87
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE3	20	1.87
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE1	20	1.87
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE2	20	1.87
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE3	20	1.87
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE1	20	1.87
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE2	20	1.87
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE3	20	1.87
(1,981)	1:101:A:GLN:HG3	1:99:A:HIS:HA	13	1.87
(1,347)	1:34:A:VAL:HG11	1:71:A:MET:H	19	1.87
(1,347)	1:34:A:VAL:HG12	1:71:A:MET:H	19	1.87
(1,347)	1:34:A:VAL:HG13	1:71:A:MET:H	19	1.87
(1,34)	1:118:A:LEU:HD21	1:134:A:PHE:H	9	1.87
(1,34)	1:118:A:LEU:HD22	1:134:A:PHE:H	9	1.87
(1,34)	1:118:A:LEU:HD23	1:134:A:PHE:H	9	1.87
(1,2395)	1:142:A:VAL:HG11	1:150:A:PHE:HD1	10	1.86
(1,2395)	1:142:A:VAL:HG11	1:150:A:PHE:HD2	10	1.86
(1,2395)	1:142:A:VAL:HG12	1:150:A:PHE:HD1	10	1.86
(1,2395)	1:142:A:VAL:HG12	1:150:A:PHE:HD2	10	1.86
(1,2395)	1:142:A:VAL:HG13	1:150:A:PHE:HD1	10	1.86
(1,2395)	1:142:A:VAL:HG13	1:150:A:PHE:HD2	10	1.86
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE1	14	1.86
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE2	14	1.86
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE3	14	1.86
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE1	14	1.86
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE2	14	1.86
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE3	14	1.86
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE1	14	1.86
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE2	14	1.86
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE3	14	1.86
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE1	17	1.86
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE2	17	1.86
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE3	17	1.86
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE1	17	1.86
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE2	17	1.86
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE3	17	1.86
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE1	17	1.86
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE2	17	1.86
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE3	17	1.86
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG21	2	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG22	2	1.86
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG23	2	1.86
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG21	2	1.86
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG22	2	1.86
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG23	2	1.86
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG21	2	1.86
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG22	2	1.86
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG23	2	1.86
(1,1126)	1:153:A:GLN:HG3	1:152:A:GLY:HA2	7	1.86
(1,3032)	1:118:A:LEU:HD11	2:91:B:ALA:HB1	12	1.85
(1,3032)	1:118:A:LEU:HD11	2:91:B:ALA:HB2	12	1.85
(1,3032)	1:118:A:LEU:HD11	2:91:B:ALA:HB3	12	1.85
(1,3032)	1:118:A:LEU:HD12	2:91:B:ALA:HB1	12	1.85
(1,3032)	1:118:A:LEU:HD12	2:91:B:ALA:HB2	12	1.85
(1,3032)	1:118:A:LEU:HD12	2:91:B:ALA:HB3	12	1.85
(1,3032)	1:118:A:LEU:HD13	2:91:B:ALA:HB1	12	1.85
(1,3032)	1:118:A:LEU:HD13	2:91:B:ALA:HB2	12	1.85
(1,3032)	1:118:A:LEU:HD13	2:91:B:ALA:HB3	12	1.85
(1,2483)	1:147:A:LEU:HD21	1:150:A:PHE:HZ	7	1.84
(1,2483)	1:147:A:LEU:HD22	1:150:A:PHE:HZ	7	1.84
(1,2483)	1:147:A:LEU:HD23	1:150:A:PHE:HZ	7	1.84
(1,1864)	1:125:A:TRP:HZ3	1:129:A:VAL:HG11	18	1.84
(1,1864)	1:125:A:TRP:HZ3	1:129:A:VAL:HG12	18	1.84
(1,1864)	1:125:A:TRP:HZ3	1:129:A:VAL:HG13	18	1.84
(1,3032)	1:118:A:LEU:HD11	2:91:B:ALA:HB1	3	1.83
(1,3032)	1:118:A:LEU:HD11	2:91:B:ALA:HB2	3	1.83
(1,3032)	1:118:A:LEU:HD11	2:91:B:ALA:HB3	3	1.83
(1,3032)	1:118:A:LEU:HD12	2:91:B:ALA:HB1	3	1.83
(1,3032)	1:118:A:LEU:HD12	2:91:B:ALA:HB2	3	1.83
(1,3032)	1:118:A:LEU:HD12	2:91:B:ALA:HB3	3	1.83
(1,3032)	1:118:A:LEU:HD13	2:91:B:ALA:HB1	3	1.83
(1,3032)	1:118:A:LEU:HD13	2:91:B:ALA:HB2	3	1.83
(1,3032)	1:118:A:LEU:HD13	2:91:B:ALA:HB3	3	1.83
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD11	3	1.83
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD12	3	1.83
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD13	3	1.83
(1,1746)	1:86:A:ASN:HB3	1:87:A:ARG:HG3	9	1.83
(1,1126)	1:153:A:GLN:HG3	1:152:A:GLY:HA2	11	1.83
(1,3032)	1:118:A:LEU:HD11	2:91:B:ALA:HB1	9	1.82
(1,3032)	1:118:A:LEU:HD11	2:91:B:ALA:HB2	9	1.82
(1,3032)	1:118:A:LEU:HD11	2:91:B:ALA:HB3	9	1.82
(1,3032)	1:118:A:LEU:HD12	2:91:B:ALA:HB1	9	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3032)	1:118:A:LEU:HD12	2:91:B:ALA:HB2	9	1.82
(1,3032)	1:118:A:LEU:HD12	2:91:B:ALA:HB3	9	1.82
(1,3032)	1:118:A:LEU:HD13	2:91:B:ALA:HB1	9	1.82
(1,3032)	1:118:A:LEU:HD13	2:91:B:ALA:HB2	9	1.82
(1,3032)	1:118:A:LEU:HD13	2:91:B:ALA:HB3	9	1.82
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG21	16	1.82
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG22	16	1.82
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG23	16	1.82
(1,962)	1:163:A:LEU:HB3	1:160:A:ASP:HA	5	1.82
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG11	16	1.81
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG12	16	1.81
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG13	16	1.81
(1,1905)	1:26:A:GLN:HG3	1:27:A:VAL:HG11	4	1.81
(1,1905)	1:26:A:GLN:HG3	1:27:A:VAL:HG12	4	1.81
(1,1905)	1:26:A:GLN:HG3	1:27:A:VAL:HG13	4	1.81
(1,1126)	1:153:A:GLN:HG3	1:152:A:GLY:HA2	13	1.81
(1,256)	1:159:A:VAL:HG11	1:158:A:VAL:H	4	1.81
(1,256)	1:159:A:VAL:HG12	1:158:A:VAL:H	4	1.81
(1,256)	1:159:A:VAL:HG13	1:158:A:VAL:H	4	1.81
(1,2805)	2:81:B:ASP:HA	2:84:B:ARG:HB3	13	1.8
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG21	6	1.8
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG22	6	1.8
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG23	6	1.8
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD11	4	1.8
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD12	4	1.8
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD13	4	1.8
(1,1377)	1:87:A:ARG:HB3	1:86:A:ASN:HB3	16	1.8
(1,256)	1:159:A:VAL:HG11	1:158:A:VAL:H	15	1.8
(1,256)	1:159:A:VAL:HG12	1:158:A:VAL:H	15	1.8
(1,256)	1:159:A:VAL:HG13	1:158:A:VAL:H	15	1.8
(1,2805)	2:81:B:ASP:HA	2:84:B:ARG:HB3	6	1.78
(1,2395)	1:142:A:VAL:HG11	1:150:A:PHE:HD1	9	1.78
(1,2395)	1:142:A:VAL:HG11	1:150:A:PHE:HD2	9	1.78
(1,2395)	1:142:A:VAL:HG12	1:150:A:PHE:HD1	9	1.78
(1,2395)	1:142:A:VAL:HG12	1:150:A:PHE:HD2	9	1.78
(1,2395)	1:142:A:VAL:HG13	1:150:A:PHE:HD1	9	1.78
(1,2395)	1:142:A:VAL:HG13	1:150:A:PHE:HD2	9	1.78
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE1	12	1.78
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE2	12	1.78
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE3	12	1.78
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE1	12	1.78
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE2	12	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE3	12	1.78
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE1	12	1.78
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE2	12	1.78
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE3	12	1.78
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG21	8	1.78
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG22	8	1.78
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG23	8	1.78
(1,347)	1:34:A:VAL:HG11	1:71:A:MET:H	17	1.78
(1,347)	1:34:A:VAL:HG12	1:71:A:MET:H	17	1.78
(1,347)	1:34:A:VAL:HG13	1:71:A:MET:H	17	1.78
(1,256)	1:159:A:VAL:HG11	1:158:A:VAL:H	16	1.78
(1,256)	1:159:A:VAL:HG12	1:158:A:VAL:H	16	1.78
(1,256)	1:159:A:VAL:HG13	1:158:A:VAL:H	16	1.78
(1,2805)	2:81:B:ASP:HA	2:84:B:ARG:HB3	5	1.77
(1,2805)	2:81:B:ASP:HA	2:84:B:ARG:HB3	7	1.77
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG21	8	1.77
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG22	8	1.77
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG23	8	1.77
(1,962)	1:163:A:LEU:HB3	1:160:A:ASP:HA	10	1.77
(1,347)	1:34:A:VAL:HG11	1:71:A:MET:H	15	1.77
(1,347)	1:34:A:VAL:HG12	1:71:A:MET:H	15	1.77
(1,347)	1:34:A:VAL:HG13	1:71:A:MET:H	15	1.77
(1,2395)	1:142:A:VAL:HG11	1:150:A:PHE:HD1	8	1.76
(1,2395)	1:142:A:VAL:HG11	1:150:A:PHE:HD2	8	1.76
(1,2395)	1:142:A:VAL:HG12	1:150:A:PHE:HD1	8	1.76
(1,2395)	1:142:A:VAL:HG12	1:150:A:PHE:HD2	8	1.76
(1,2395)	1:142:A:VAL:HG13	1:150:A:PHE:HD1	8	1.76
(1,2395)	1:142:A:VAL:HG13	1:150:A:PHE:HD2	8	1.76
(1,2395)	1:142:A:VAL:HG11	1:150:A:PHE:HD1	14	1.76
(1,2395)	1:142:A:VAL:HG11	1:150:A:PHE:HD2	14	1.76
(1,2395)	1:142:A:VAL:HG12	1:150:A:PHE:HD1	14	1.76
(1,2395)	1:142:A:VAL:HG12	1:150:A:PHE:HD2	14	1.76
(1,2395)	1:142:A:VAL:HG13	1:150:A:PHE:HD1	14	1.76
(1,2395)	1:142:A:VAL:HG13	1:150:A:PHE:HD2	14	1.76
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD11	6	1.76
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD12	6	1.76
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD13	6	1.76
(1,733)	1:26:A:GLN:HG3	1:23:A:SER:HB3	4	1.76
(1,256)	1:159:A:VAL:HG11	1:158:A:VAL:H	9	1.76
(1,256)	1:159:A:VAL:HG12	1:158:A:VAL:H	9	1.76
(1,256)	1:159:A:VAL:HG13	1:158:A:VAL:H	9	1.76
(1,256)	1:159:A:VAL:HG11	1:158:A:VAL:H	18	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,256)	1:159:A:VAL:HG12	1:158:A:VAL:H	18	1.76
(1,256)	1:159:A:VAL:HG13	1:158:A:VAL:H	18	1.76
(1,2805)	2:81:B:ASP:HA	2:84:B:ARG:HB3	15	1.75
(1,2612)	1:35:A:PHE:HB3	1:177:A:TRP:HZ2	12	1.75
(1,2395)	1:142:A:VAL:HG11	1:150:A:PHE:HD1	11	1.75
(1,2395)	1:142:A:VAL:HG11	1:150:A:PHE:HD2	11	1.75
(1,2395)	1:142:A:VAL:HG12	1:150:A:PHE:HD1	11	1.75
(1,2395)	1:142:A:VAL:HG12	1:150:A:PHE:HD2	11	1.75
(1,2395)	1:142:A:VAL:HG13	1:150:A:PHE:HD1	11	1.75
(1,2395)	1:142:A:VAL:HG13	1:150:A:PHE:HD2	11	1.75
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE1	8	1.75
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE2	8	1.75
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE3	8	1.75
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE1	8	1.75
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE2	8	1.75
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE3	8	1.75
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE1	8	1.75
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE2	8	1.75
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE3	8	1.75
(1,1660)	1:47:A:GLN:HE21	1:46:A:GLU:HB3	5	1.75
(1,347)	1:34:A:VAL:HG11	1:71:A:MET:H	16	1.75
(1,347)	1:34:A:VAL:HG12	1:71:A:MET:H	16	1.75
(1,347)	1:34:A:VAL:HG13	1:71:A:MET:H	16	1.75
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE1	18	1.74
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE2	18	1.74
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE3	18	1.74
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE1	18	1.74
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE2	18	1.74
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE3	18	1.74
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE1	18	1.74
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE2	18	1.74
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE3	18	1.74
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD11	16	1.74
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD12	16	1.74
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD13	16	1.74
(1,2365)	2:93:B:VAL:HG21	1:89:A:TYR:HD1	6	1.73
(1,2365)	2:93:B:VAL:HG21	1:89:A:TYR:HD2	6	1.73
(1,2365)	2:93:B:VAL:HG22	1:89:A:TYR:HD1	6	1.73
(1,2365)	2:93:B:VAL:HG22	1:89:A:TYR:HD2	6	1.73
(1,2365)	2:93:B:VAL:HG23	1:89:A:TYR:HD1	6	1.73
(1,2365)	2:93:B:VAL:HG23	1:89:A:TYR:HD2	6	1.73
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE1	19	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE2	19	1.73
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE3	19	1.73
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE1	19	1.73
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE2	19	1.73
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE3	19	1.73
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE1	19	1.73
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE2	19	1.73
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE3	19	1.73
(1,1867)	1:73:A:GLN:HG3	1:181:A:LEU:HD11	1	1.73
(1,1867)	1:73:A:GLN:HG3	1:181:A:LEU:HD12	1	1.73
(1,1867)	1:73:A:GLN:HG3	1:181:A:LEU:HD13	1	1.73
(1,1663)	1:27:A:VAL:HG11	1:24:A:GLU:HB3	4	1.73
(1,1663)	1:27:A:VAL:HG12	1:24:A:GLU:HB3	4	1.73
(1,1663)	1:27:A:VAL:HG13	1:24:A:GLU:HB3	4	1.73
(1,1250)	1:38:A:TYR:HD1	1:42:A:ARG:HD3	6	1.72
(1,1250)	1:38:A:TYR:HD2	1:42:A:ARG:HD3	6	1.72
(1,1071)	1:66:A:GLN:HE22	1:67:A:PRO:HD3	1	1.72
(1,2395)	1:142:A:VAL:HG11	1:150:A:PHE:HD1	3	1.71
(1,2395)	1:142:A:VAL:HG11	1:150:A:PHE:HD2	3	1.71
(1,2395)	1:142:A:VAL:HG12	1:150:A:PHE:HD1	3	1.71
(1,2395)	1:142:A:VAL:HG12	1:150:A:PHE:HD2	3	1.71
(1,2395)	1:142:A:VAL:HG13	1:150:A:PHE:HD1	3	1.71
(1,2395)	1:142:A:VAL:HG13	1:150:A:PHE:HD2	3	1.71
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG11	15	1.71
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG12	15	1.71
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG13	15	1.71
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG21	10	1.71
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG22	10	1.71
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG23	10	1.71
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG21	10	1.71
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG22	10	1.71
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG23	10	1.71
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG21	10	1.71
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG22	10	1.71
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG23	10	1.71
(1,1189)	1:159:A:VAL:HG11	1:156:A:ARG:HD3	15	1.71
(1,1189)	1:159:A:VAL:HG12	1:156:A:ARG:HD3	15	1.71
(1,1189)	1:159:A:VAL:HG13	1:156:A:ARG:HD3	15	1.71
(1,256)	1:159:A:VAL:HG11	1:158:A:VAL:H	3	1.71
(1,256)	1:159:A:VAL:HG12	1:158:A:VAL:H	3	1.71
(1,256)	1:159:A:VAL:HG13	1:158:A:VAL:H	3	1.71
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD11	9	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD12	9	1.7
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD13	9	1.7
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG11	9	1.7
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG12	9	1.7
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG13	9	1.7
(1,1483)	1:143:A:TYR:HE1	1:144:A:GLN:HG3	10	1.7
(1,1483)	1:143:A:TYR:HE2	1:144:A:GLN:HG3	10	1.7
(1,854)	1:159:A:VAL:HG11	1:32:A:GLU:HA	10	1.7
(1,854)	1:159:A:VAL:HG12	1:32:A:GLU:HA	10	1.7
(1,854)	1:159:A:VAL:HG13	1:32:A:GLU:HA	10	1.7
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG11	8	1.69
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG12	8	1.69
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG13	8	1.69
(1,1746)	1:86:A:ASN:HB3	1:87:A:ARG:HG3	8	1.69
(1,1249)	1:86:A:ASN:HD22	1:42:A:ARG:HD3	18	1.69
(1,1136)	1:50:A:GLU:HB3	1:51:A:GLY:HA3	8	1.69
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG11	1	1.68
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG12	1	1.68
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG13	1	1.68
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG11	11	1.68
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG12	11	1.68
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG13	11	1.68
(1,1071)	1:66:A:GLN:HE22	1:67:A:PRO:HD3	4	1.68
(1,1043)	1:182:A:ASN:HB3	1:179:A:ALA:HA	3	1.68
(1,813)	1:92:A:GLU:HG3	1:91:A:SER:HB3	14	1.68
(1,256)	1:159:A:VAL:HG11	1:158:A:VAL:H	7	1.68
(1,256)	1:159:A:VAL:HG12	1:158:A:VAL:H	7	1.68
(1,256)	1:159:A:VAL:HG13	1:158:A:VAL:H	7	1.68
(1,256)	1:159:A:VAL:HG11	1:158:A:VAL:H	13	1.68
(1,256)	1:159:A:VAL:HG12	1:158:A:VAL:H	13	1.68
(1,256)	1:159:A:VAL:HG13	1:158:A:VAL:H	13	1.68
(1,2580)	1:37:A:SER:HB3	1:41:A:TYR:HE1	13	1.67
(1,2580)	1:37:A:SER:HB3	1:41:A:TYR:HE2	13	1.67
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG21	6	1.67
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG22	6	1.67
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG23	6	1.67
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG11	16	1.67
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG12	16	1.67
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG13	16	1.67
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG11	17	1.67
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG12	17	1.67
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG13	17	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG11	15	1.67
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG12	15	1.67
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG13	15	1.67
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG11	18	1.67
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG12	18	1.67
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG13	18	1.67
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG11	7	1.67
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG12	7	1.67
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG13	7	1.67
(1,1483)	1:143:A:TYR:HE1	1:144:A:GLN:HG3	19	1.67
(1,1483)	1:143:A:TYR:HE2	1:144:A:GLN:HG3	19	1.67
(1,1329)	1:118:A:LEU:HD21	1:134:A:PHE:HB3	17	1.67
(1,1329)	1:118:A:LEU:HD22	1:134:A:PHE:HB3	17	1.67
(1,1329)	1:118:A:LEU:HD23	1:134:A:PHE:HB3	17	1.67
(1,3097)	1:126:A:GLY:H	2:101:B:ILE:HG13	1	1.66
(1,2791)	2:81:B:ASP:HA	2:84:B:ARG:HD3	4	1.66
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG21	20	1.66
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG22	20	1.66
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG23	20	1.66
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG11	9	1.66
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG12	9	1.66
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG13	9	1.66
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG11	13	1.66
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG12	13	1.66
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG13	13	1.66
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG11	20	1.66
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG12	20	1.66
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG13	20	1.66
(1,1483)	1:143:A:TYR:HE1	1:144:A:GLN:HG3	2	1.66
(1,1483)	1:143:A:TYR:HE2	1:144:A:GLN:HG3	2	1.66
(1,854)	1:159:A:VAL:HG11	1:32:A:GLU:HA	11	1.66
(1,854)	1:159:A:VAL:HG12	1:32:A:GLU:HA	11	1.66
(1,854)	1:159:A:VAL:HG13	1:32:A:GLU:HA	11	1.66
(1,256)	1:159:A:VAL:HG11	1:158:A:VAL:H	14	1.66
(1,256)	1:159:A:VAL:HG12	1:158:A:VAL:H	14	1.66
(1,256)	1:159:A:VAL:HG13	1:158:A:VAL:H	14	1.66
(1,2612)	1:35:A:PHE:HB3	1:177:A:TRP:HZ2	2	1.65
(1,2612)	1:35:A:PHE:HB3	1:177:A:TRP:HZ2	20	1.65
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE1	7	1.65
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE2	7	1.65
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE3	7	1.65
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE1	7	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE2	7	1.65
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE3	7	1.65
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE1	7	1.65
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE2	7	1.65
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE3	7	1.65
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD11	11	1.65
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD12	11	1.65
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD13	11	1.65
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG11	2	1.65
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG12	2	1.65
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG13	2	1.65
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG11	7	1.65
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG12	7	1.65
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG13	7	1.65
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG11	11	1.65
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG12	11	1.65
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG13	11	1.65
(1,433)	1:92:A:GLU:HG3	1:91:A:SER:H	17	1.65
(1,256)	1:159:A:VAL:HG11	1:158:A:VAL:H	1	1.65
(1,256)	1:159:A:VAL:HG12	1:158:A:VAL:H	1	1.65
(1,256)	1:159:A:VAL:HG13	1:158:A:VAL:H	1	1.65
(1,256)	1:159:A:VAL:HG11	1:158:A:VAL:H	10	1.65
(1,256)	1:159:A:VAL:HG12	1:158:A:VAL:H	10	1.65
(1,256)	1:159:A:VAL:HG13	1:158:A:VAL:H	10	1.65
(1,2612)	1:35:A:PHE:HB3	1:177:A:TRP:HZ2	6	1.64
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE1	1	1.64
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE2	1	1.64
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE3	1	1.64
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE1	1	1.64
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE2	1	1.64
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE3	1	1.64
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE1	1	1.64
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE2	1	1.64
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE3	1	1.64
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG11	5	1.64
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG12	5	1.64
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG13	5	1.64
(1,1483)	1:143:A:TYR:HE1	1:144:A:GLN:HG3	15	1.64
(1,1483)	1:143:A:TYR:HE2	1:144:A:GLN:HG3	15	1.64
(1,268)	1:50:A:GLU:HB3	1:52:A:VAL:H	8	1.64
(1,2805)	2:81:B:ASP:HA	2:84:B:ARG:HB3	19	1.63
(1,2580)	1:37:A:SER:HB3	1:41:A:TYR:HE1	5	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2580)	1:37:A:SER:HB3	1:41:A:TYR:HE2	5	1.63
(1,256)	1:159:A:VAL:HG11	1:158:A:VAL:H	17	1.63
(1,256)	1:159:A:VAL:HG12	1:158:A:VAL:H	17	1.63
(1,256)	1:159:A:VAL:HG13	1:158:A:VAL:H	17	1.63
(1,2805)	2:81:B:ASP:HA	2:84:B:ARG:HB3	1	1.62
(1,2612)	1:35:A:PHE:HB3	1:177:A:TRP:HZ2	4	1.62
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG11	5	1.62
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG12	5	1.62
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG13	5	1.62
(1,1483)	1:143:A:TYR:HE1	1:144:A:GLN:HG3	8	1.62
(1,1483)	1:143:A:TYR:HE2	1:144:A:GLN:HG3	8	1.62
(1,1136)	1:50:A:GLU:HB3	1:51:A:GLY:HA3	10	1.62
(1,1136)	1:50:A:GLU:HB3	1:51:A:GLY:HA3	14	1.62
(1,854)	1:159:A:VAL:HG11	1:32:A:GLU:HA	19	1.62
(1,854)	1:159:A:VAL:HG12	1:32:A:GLU:HA	19	1.62
(1,854)	1:159:A:VAL:HG13	1:32:A:GLU:HA	19	1.62
(1,256)	1:159:A:VAL:HG11	1:158:A:VAL:H	19	1.62
(1,256)	1:159:A:VAL:HG12	1:158:A:VAL:H	19	1.62
(1,256)	1:159:A:VAL:HG13	1:158:A:VAL:H	19	1.62
(1,2791)	2:81:B:ASP:HA	2:84:B:ARG:HD3	2	1.61
(1,2439)	1:118:A:LEU:HD21	1:134:A:PHE:HE1	6	1.61
(1,2439)	1:118:A:LEU:HD21	1:134:A:PHE:HE2	6	1.61
(1,2439)	1:118:A:LEU:HD22	1:134:A:PHE:HE1	6	1.61
(1,2439)	1:118:A:LEU:HD22	1:134:A:PHE:HE2	6	1.61
(1,2439)	1:118:A:LEU:HD23	1:134:A:PHE:HE1	6	1.61
(1,2439)	1:118:A:LEU:HD23	1:134:A:PHE:HE2	6	1.61
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG21	15	1.61
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG22	15	1.61
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG23	15	1.61
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE1	3	1.61
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE2	3	1.61
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE3	3	1.61
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE1	3	1.61
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE2	3	1.61
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE3	3	1.61
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE1	3	1.61
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE2	3	1.61
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE3	3	1.61
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD11	12	1.61
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD12	12	1.61
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD13	12	1.61
(1,1136)	1:50:A:GLU:HB3	1:51:A:GLY:HA3	9	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1136)	1:50:A:GLU:HB3	1:51:A:GLY:HA3	17	1.61
(1,618)	1:113:A:LYS:HG3	1:116:A:THR:HB	19	1.61
(1,347)	1:34:A:VAL:HG11	1:71:A:MET:H	9	1.61
(1,347)	1:34:A:VAL:HG12	1:71:A:MET:H	9	1.61
(1,347)	1:34:A:VAL:HG13	1:71:A:MET:H	9	1.61
(1,3097)	1:126:A:GLY:H	2:101:B:ILE:HG13	19	1.6
(1,2580)	1:37:A:SER:HB3	1:41:A:TYR:HE1	4	1.6
(1,2580)	1:37:A:SER:HB3	1:41:A:TYR:HE2	4	1.6
(1,2580)	1:37:A:SER:HB3	1:41:A:TYR:HE1	6	1.6
(1,2580)	1:37:A:SER:HB3	1:41:A:TYR:HE2	6	1.6
(1,1750)	1:142:A:VAL:HG21	1:102:A:PRO:HG3	6	1.6
(1,1750)	1:142:A:VAL:HG22	1:102:A:PRO:HG3	6	1.6
(1,1750)	1:142:A:VAL:HG23	1:102:A:PRO:HG3	6	1.6
(1,1746)	1:86:A:ASN:HB3	1:87:A:ARG:HG3	20	1.6
(1,1329)	1:118:A:LEU:HD21	1:134:A:PHE:HB3	3	1.6
(1,1329)	1:118:A:LEU:HD22	1:134:A:PHE:HB3	3	1.6
(1,1329)	1:118:A:LEU:HD23	1:134:A:PHE:HB3	3	1.6
(1,1128)	1:155:A:THR:HB	1:152:A:GLY:HA3	10	1.6
(1,1128)	1:155:A:THR:HB	1:152:A:GLY:HA3	14	1.6
(1,1043)	1:182:A:ASN:HB3	1:179:A:ALA:HA	6	1.6
(1,854)	1:159:A:VAL:HG11	1:32:A:GLU:HA	14	1.6
(1,854)	1:159:A:VAL:HG12	1:32:A:GLU:HA	14	1.6
(1,854)	1:159:A:VAL:HG13	1:32:A:GLU:HA	14	1.6
(1,2805)	2:81:B:ASP:HA	2:84:B:ARG:HB3	4	1.59
(1,2612)	1:35:A:PHE:HB3	1:177:A:TRP:HZ2	3	1.59
(1,2580)	1:37:A:SER:HB3	1:41:A:TYR:HE1	16	1.59
(1,2580)	1:37:A:SER:HB3	1:41:A:TYR:HE2	16	1.59
(1,2483)	1:147:A:LEU:HD21	1:150:A:PHE:HZ	8	1.59
(1,2483)	1:147:A:LEU:HD22	1:150:A:PHE:HZ	8	1.59
(1,2483)	1:147:A:LEU:HD23	1:150:A:PHE:HZ	8	1.59
(1,2466)	1:109:A:GLU:HG3	1:110:A:TYR:HD1	11	1.59
(1,2466)	1:109:A:GLU:HG3	1:110:A:TYR:HD2	11	1.59
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB1	1	1.59
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB2	1	1.59
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB3	1	1.59
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB1	1	1.59
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB2	1	1.59
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB3	1	1.59
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB1	1	1.59
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB2	1	1.59
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB3	1	1.59
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB1	18	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB2	18	1.59
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB3	18	1.59
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB1	18	1.59
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB2	18	1.59
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB3	18	1.59
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB1	18	1.59
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB2	18	1.59
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB3	18	1.59
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG11	10	1.59
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG12	10	1.59
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG13	10	1.59
(1,1750)	1:142:A:VAL:HG21	1:102:A:PRO:HG3	17	1.59
(1,1750)	1:142:A:VAL:HG22	1:102:A:PRO:HG3	17	1.59
(1,1750)	1:142:A:VAL:HG23	1:102:A:PRO:HG3	17	1.59
(1,1483)	1:143:A:TYR:HE1	1:144:A:GLN:HG3	17	1.59
(1,1483)	1:143:A:TYR:HE2	1:144:A:GLN:HG3	17	1.59
(1,2612)	1:35:A:PHE:HB3	1:177:A:TRP:HZ2	7	1.58
(1,2612)	1:35:A:PHE:HB3	1:177:A:TRP:HZ2	9	1.58
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE1	16	1.58
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE2	16	1.58
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE3	16	1.58
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE1	16	1.58
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE2	16	1.58
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE3	16	1.58
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE1	16	1.58
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE2	16	1.58
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE3	16	1.58
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG11	3	1.58
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG12	3	1.58
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG13	3	1.58
(1,1554)	1:33:A:GLU:HB3	1:34:A:VAL:HB	18	1.58
(1,1483)	1:143:A:TYR:HE1	1:144:A:GLN:HG3	11	1.58
(1,1483)	1:143:A:TYR:HE2	1:144:A:GLN:HG3	11	1.58
(1,1043)	1:182:A:ASN:HB3	1:179:A:ALA:HA	12	1.58
(1,2612)	1:35:A:PHE:HB3	1:177:A:TRP:HZ2	5	1.57
(1,2612)	1:35:A:PHE:HB3	1:177:A:TRP:HZ2	13	1.57
(1,2580)	1:37:A:SER:HB3	1:41:A:TYR:HE1	9	1.57
(1,2580)	1:37:A:SER:HB3	1:41:A:TYR:HE2	9	1.57
(1,2580)	1:37:A:SER:HB3	1:41:A:TYR:HE1	17	1.57
(1,2580)	1:37:A:SER:HB3	1:41:A:TYR:HE2	17	1.57
(1,2395)	1:142:A:VAL:HG11	1:150:A:PHE:HD1	12	1.57
(1,2395)	1:142:A:VAL:HG11	1:150:A:PHE:HD2	12	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2395)	1:142:A:VAL:HG12	1:150:A:PHE:HD1	12	1.57
(1,2395)	1:142:A:VAL:HG12	1:150:A:PHE:HD2	12	1.57
(1,2395)	1:142:A:VAL:HG13	1:150:A:PHE:HD1	12	1.57
(1,2395)	1:142:A:VAL:HG13	1:150:A:PHE:HD2	12	1.57
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB1	11	1.57
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB2	11	1.57
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB3	11	1.57
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB1	11	1.57
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB2	11	1.57
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB3	11	1.57
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB1	11	1.57
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB2	11	1.57
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB3	11	1.57
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG21	18	1.57
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG22	18	1.57
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG23	18	1.57
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG21	18	1.57
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG22	18	1.57
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG23	18	1.57
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG21	18	1.57
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG22	18	1.57
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG23	18	1.57
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG11	20	1.57
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG12	20	1.57
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG13	20	1.57
(1,1750)	1:142:A:VAL:HG21	1:102:A:PRO:HG3	13	1.57
(1,1750)	1:142:A:VAL:HG22	1:102:A:PRO:HG3	13	1.57
(1,1750)	1:142:A:VAL:HG23	1:102:A:PRO:HG3	13	1.57
(1,1750)	1:142:A:VAL:HG21	1:102:A:PRO:HG3	15	1.57
(1,1750)	1:142:A:VAL:HG22	1:102:A:PRO:HG3	15	1.57
(1,1750)	1:142:A:VAL:HG23	1:102:A:PRO:HG3	15	1.57
(1,1682)	1:163:A:LEU:HB3	1:164:A:HIS:HB3	18	1.57
(1,1483)	1:143:A:TYR:HE1	1:144:A:GLN:HG3	4	1.57
(1,1483)	1:143:A:TYR:HE2	1:144:A:GLN:HG3	4	1.57
(1,1483)	1:143:A:TYR:HE1	1:144:A:GLN:HG3	5	1.57
(1,1483)	1:143:A:TYR:HE2	1:144:A:GLN:HG3	5	1.57
(1,1483)	1:143:A:TYR:HE1	1:144:A:GLN:HG3	9	1.57
(1,1483)	1:143:A:TYR:HE2	1:144:A:GLN:HG3	9	1.57
(1,1250)	1:38:A:TYR:HD1	1:42:A:ARG:HD3	10	1.57
(1,1250)	1:38:A:TYR:HD2	1:42:A:ARG:HD3	10	1.57
(1,1189)	1:159:A:VAL:HG11	1:156:A:ARG:HD3	10	1.57
(1,1189)	1:159:A:VAL:HG12	1:156:A:ARG:HD3	10	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1189)	1:159:A:VAL:HG13	1:156:A:ARG:HD3	10	1.57
(1,433)	1:92:A:GLU:HG3	1:91:A:SER:H	16	1.57
(1,2791)	2:81:B:ASP:HA	2:84:B:ARG:HD3	20	1.56
(1,2580)	1:37:A:SER:HB3	1:41:A:TYR:HE1	3	1.56
(1,2580)	1:37:A:SER:HB3	1:41:A:TYR:HE2	3	1.56
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG21	5	1.56
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG22	5	1.56
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG23	5	1.56
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG11	5	1.56
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG12	5	1.56
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG13	5	1.56
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG11	3	1.56
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG12	3	1.56
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG13	3	1.56
(1,1867)	1:73:A:GLN:HG3	1:181:A:LEU:HD11	18	1.56
(1,1867)	1:73:A:GLN:HG3	1:181:A:LEU:HD12	18	1.56
(1,1867)	1:73:A:GLN:HG3	1:181:A:LEU:HD13	18	1.56
(1,1850)	1:39:A:VAL:HG21	1:63:A:LEU:HD21	5	1.56
(1,1850)	1:39:A:VAL:HG21	1:63:A:LEU:HD22	5	1.56
(1,1850)	1:39:A:VAL:HG21	1:63:A:LEU:HD23	5	1.56
(1,1850)	1:39:A:VAL:HG22	1:63:A:LEU:HD21	5	1.56
(1,1850)	1:39:A:VAL:HG22	1:63:A:LEU:HD22	5	1.56
(1,1850)	1:39:A:VAL:HG22	1:63:A:LEU:HD23	5	1.56
(1,1850)	1:39:A:VAL:HG23	1:63:A:LEU:HD21	5	1.56
(1,1850)	1:39:A:VAL:HG23	1:63:A:LEU:HD22	5	1.56
(1,1850)	1:39:A:VAL:HG23	1:63:A:LEU:HD23	5	1.56
(1,1250)	1:38:A:TYR:HD1	1:42:A:ARG:HD3	19	1.56
(1,1250)	1:38:A:TYR:HD2	1:42:A:ARG:HD3	19	1.56
(1,1136)	1:50:A:GLU:HB3	1:51:A:GLY:HA3	5	1.56
(1,854)	1:159:A:VAL:HG11	1:32:A:GLU:HA	17	1.56
(1,854)	1:159:A:VAL:HG12	1:32:A:GLU:HA	17	1.56
(1,854)	1:159:A:VAL:HG13	1:32:A:GLU:HA	17	1.56
(1,347)	1:34:A:VAL:HG11	1:71:A:MET:H	11	1.56
(1,347)	1:34:A:VAL:HG12	1:71:A:MET:H	11	1.56
(1,347)	1:34:A:VAL:HG13	1:71:A:MET:H	11	1.56
(1,2612)	1:35:A:PHE:HB3	1:177:A:TRP:HZ2	8	1.55
(1,2612)	1:35:A:PHE:HB3	1:177:A:TRP:HZ2	16	1.55
(1,2580)	1:37:A:SER:HB3	1:41:A:TYR:HE1	20	1.55
(1,2580)	1:37:A:SER:HB3	1:41:A:TYR:HE2	20	1.55
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG21	13	1.55
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG22	13	1.55
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG23	13	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG11	6	1.55
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG12	6	1.55
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG13	6	1.55
(1,1747)	1:142:A:VAL:H	1:102:A:PRO:HG3	7	1.55
(1,1549)	1:61:A:VAL:HG11	1:60:A:MET:HB3	17	1.55
(1,1549)	1:61:A:VAL:HG12	1:60:A:MET:HB3	17	1.55
(1,1549)	1:61:A:VAL:HG13	1:60:A:MET:HB3	17	1.55
(1,1128)	1:155:A:THR:HB	1:152:A:GLY:HA3	5	1.55
(1,256)	1:159:A:VAL:HG11	1:158:A:VAL:H	11	1.55
(1,256)	1:159:A:VAL:HG12	1:158:A:VAL:H	11	1.55
(1,256)	1:159:A:VAL:HG13	1:158:A:VAL:H	11	1.55
(1,2612)	1:35:A:PHE:HB3	1:177:A:TRP:HZ2	19	1.54
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG21	9	1.54
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG22	9	1.54
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG23	9	1.54
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG11	17	1.54
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG12	17	1.54
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG13	17	1.54
(1,1747)	1:142:A:VAL:H	1:102:A:PRO:HG3	6	1.54
(1,1344)	1:34:A:VAL:HG21	1:38:A:TYR:HB3	6	1.54
(1,1344)	1:34:A:VAL:HG22	1:38:A:TYR:HB3	6	1.54
(1,1344)	1:34:A:VAL:HG23	1:38:A:TYR:HB3	6	1.54
(1,1071)	1:66:A:GLN:HE22	1:67:A:PRO:HD3	18	1.54
(1,839)	1:63:A:LEU:HB3	1:62:A:THR:HA	17	1.54
(1,625)	1:118:A:LEU:HD21	1:128:A:VAL:HA	19	1.54
(1,625)	1:118:A:LEU:HD22	1:128:A:VAL:HA	19	1.54
(1,625)	1:118:A:LEU:HD23	1:128:A:VAL:HA	19	1.54
(1,404)	1:34:A:VAL:HG21	1:78:A:LEU:H	9	1.54
(1,404)	1:34:A:VAL:HG22	1:78:A:LEU:H	9	1.54
(1,404)	1:34:A:VAL:HG23	1:78:A:LEU:H	9	1.54
(1,2612)	1:35:A:PHE:HB3	1:177:A:TRP:HZ2	10	1.53
(1,2612)	1:35:A:PHE:HB3	1:177:A:TRP:HZ2	11	1.53
(1,2612)	1:35:A:PHE:HB3	1:177:A:TRP:HZ2	15	1.53
(1,2612)	1:35:A:PHE:HB3	1:177:A:TRP:HZ2	17	1.53
(1,2439)	1:118:A:LEU:HD21	1:134:A:PHE:HE1	12	1.53
(1,2439)	1:118:A:LEU:HD21	1:134:A:PHE:HE2	12	1.53
(1,2439)	1:118:A:LEU:HD22	1:134:A:PHE:HE1	12	1.53
(1,2439)	1:118:A:LEU:HD22	1:134:A:PHE:HE2	12	1.53
(1,2439)	1:118:A:LEU:HD23	1:134:A:PHE:HE1	12	1.53
(1,2439)	1:118:A:LEU:HD23	1:134:A:PHE:HE2	12	1.53
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG11	14	1.53
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG12	14	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG13	14	1.53
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG21	17	1.53
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG22	17	1.53
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG23	17	1.53
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG21	17	1.53
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG22	17	1.53
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG23	17	1.53
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG21	17	1.53
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG22	17	1.53
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG23	17	1.53
(1,1750)	1:142:A:VAL:HG21	1:102:A:PRO:HG3	5	1.53
(1,1750)	1:142:A:VAL:HG22	1:102:A:PRO:HG3	5	1.53
(1,1750)	1:142:A:VAL:HG23	1:102:A:PRO:HG3	5	1.53
(1,1429)	1:159:A:VAL:HG11	1:32:A:GLU:HG3	10	1.53
(1,1429)	1:159:A:VAL:HG12	1:32:A:GLU:HG3	10	1.53
(1,1429)	1:159:A:VAL:HG13	1:32:A:GLU:HG3	10	1.53
(1,1344)	1:34:A:VAL:HG21	1:38:A:TYR:HB3	14	1.53
(1,1344)	1:34:A:VAL:HG22	1:38:A:TYR:HB3	14	1.53
(1,1344)	1:34:A:VAL:HG23	1:38:A:TYR:HB3	14	1.53
(1,1329)	1:118:A:LEU:HD21	1:134:A:PHE:HB3	14	1.53
(1,1329)	1:118:A:LEU:HD22	1:134:A:PHE:HB3	14	1.53
(1,1329)	1:118:A:LEU:HD23	1:134:A:PHE:HB3	14	1.53
(1,1043)	1:182:A:ASN:HB3	1:179:A:ALA:HA	4	1.53
(1,963)	1:159:A:VAL:HG21	1:160:A:ASP:HA	1	1.53
(1,963)	1:159:A:VAL:HG22	1:160:A:ASP:HA	1	1.53
(1,963)	1:159:A:VAL:HG23	1:160:A:ASP:HA	1	1.53
(1,963)	1:159:A:VAL:HG21	1:160:A:ASP:HA	3	1.53
(1,963)	1:159:A:VAL:HG22	1:160:A:ASP:HA	3	1.53
(1,963)	1:159:A:VAL:HG23	1:160:A:ASP:HA	3	1.53
(1,963)	1:159:A:VAL:HG21	1:160:A:ASP:HA	7	1.53
(1,963)	1:159:A:VAL:HG22	1:160:A:ASP:HA	7	1.53
(1,963)	1:159:A:VAL:HG23	1:160:A:ASP:HA	7	1.53
(1,963)	1:159:A:VAL:HG21	1:160:A:ASP:HA	9	1.53
(1,963)	1:159:A:VAL:HG22	1:160:A:ASP:HA	9	1.53
(1,963)	1:159:A:VAL:HG23	1:160:A:ASP:HA	9	1.53
(1,963)	1:159:A:VAL:HG21	1:160:A:ASP:HA	11	1.53
(1,963)	1:159:A:VAL:HG22	1:160:A:ASP:HA	11	1.53
(1,963)	1:159:A:VAL:HG23	1:160:A:ASP:HA	11	1.53
(1,963)	1:159:A:VAL:HG21	1:160:A:ASP:HA	18	1.53
(1,963)	1:159:A:VAL:HG22	1:160:A:ASP:HA	18	1.53
(1,963)	1:159:A:VAL:HG23	1:160:A:ASP:HA	18	1.53
(1,963)	1:159:A:VAL:HG21	1:160:A:ASP:HA	19	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,963)	1:159:A:VAL:HG22	1:160:A:ASP:HA	19	1.53
(1,963)	1:159:A:VAL:HG23	1:160:A:ASP:HA	19	1.53
(1,256)	1:159:A:VAL:HG11	1:158:A:VAL:H	8	1.53
(1,256)	1:159:A:VAL:HG12	1:158:A:VAL:H	8	1.53
(1,256)	1:159:A:VAL:HG13	1:158:A:VAL:H	8	1.53
(1,2805)	2:81:B:ASP:HA	2:84:B:ARG:HB3	10	1.52
(1,2805)	2:81:B:ASP:HA	2:84:B:ARG:HB3	20	1.52
(1,2580)	1:37:A:SER:HB3	1:41:A:TYR:HE1	2	1.52
(1,2580)	1:37:A:SER:HB3	1:41:A:TYR:HE2	2	1.52
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG11	4	1.52
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG12	4	1.52
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG13	4	1.52
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG11	19	1.52
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG12	19	1.52
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG13	19	1.52
(1,1750)	1:142:A:VAL:HG21	1:102:A:PRO:HG3	19	1.52
(1,1750)	1:142:A:VAL:HG22	1:102:A:PRO:HG3	19	1.52
(1,1750)	1:142:A:VAL:HG23	1:102:A:PRO:HG3	19	1.52
(1,1682)	1:163:A:LEU:HB3	1:164:A:HIS:HB3	1	1.52
(1,1660)	1:47:A:GLN:HE21	1:46:A:GLU:HB3	6	1.52
(1,1660)	1:47:A:GLN:HE21	1:46:A:GLU:HB3	13	1.52
(1,1344)	1:34:A:VAL:HG21	1:38:A:TYR:HB3	20	1.52
(1,1344)	1:34:A:VAL:HG22	1:38:A:TYR:HB3	20	1.52
(1,1344)	1:34:A:VAL:HG23	1:38:A:TYR:HB3	20	1.52
(1,1329)	1:118:A:LEU:HD21	1:134:A:PHE:HB3	12	1.52
(1,1329)	1:118:A:LEU:HD22	1:134:A:PHE:HB3	12	1.52
(1,1329)	1:118:A:LEU:HD23	1:134:A:PHE:HB3	12	1.52
(1,1071)	1:66:A:GLN:HE22	1:67:A:PRO:HD3	14	1.52
(1,963)	1:159:A:VAL:HG21	1:160:A:ASP:HA	10	1.52
(1,963)	1:159:A:VAL:HG22	1:160:A:ASP:HA	10	1.52
(1,963)	1:159:A:VAL:HG23	1:160:A:ASP:HA	10	1.52
(1,963)	1:159:A:VAL:HG21	1:160:A:ASP:HA	14	1.52
(1,963)	1:159:A:VAL:HG22	1:160:A:ASP:HA	14	1.52
(1,963)	1:159:A:VAL:HG23	1:160:A:ASP:HA	14	1.52
(1,963)	1:159:A:VAL:HG21	1:160:A:ASP:HA	15	1.52
(1,963)	1:159:A:VAL:HG22	1:160:A:ASP:HA	15	1.52
(1,963)	1:159:A:VAL:HG23	1:160:A:ASP:HA	15	1.52
(1,963)	1:159:A:VAL:HG21	1:160:A:ASP:HA	16	1.52
(1,963)	1:159:A:VAL:HG22	1:160:A:ASP:HA	16	1.52
(1,963)	1:159:A:VAL:HG23	1:160:A:ASP:HA	16	1.52
(1,963)	1:159:A:VAL:HG21	1:160:A:ASP:HA	17	1.52
(1,963)	1:159:A:VAL:HG22	1:160:A:ASP:HA	17	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,963)	1:159:A:VAL:HG23	1:160:A:ASP:HA	17	1.52
(1,618)	1:113:A:LYS:HG3	1:116:A:THR:HB	1	1.52
(1,2683)	2:84:B:ARG:HA	2:84:B:ARG:HD3	8	1.51
(1,2466)	1:109:A:GLU:HG3	1:110:A:TYR:HD1	4	1.51
(1,2466)	1:109:A:GLU:HG3	1:110:A:TYR:HD2	4	1.51
(1,1750)	1:142:A:VAL:HG21	1:102:A:PRO:HG3	7	1.51
(1,1750)	1:142:A:VAL:HG22	1:102:A:PRO:HG3	7	1.51
(1,1750)	1:142:A:VAL:HG23	1:102:A:PRO:HG3	7	1.51
(1,1750)	1:142:A:VAL:HG21	1:102:A:PRO:HG3	8	1.51
(1,1750)	1:142:A:VAL:HG22	1:102:A:PRO:HG3	8	1.51
(1,1750)	1:142:A:VAL:HG23	1:102:A:PRO:HG3	8	1.51
(1,1660)	1:47:A:GLN:HE21	1:46:A:GLU:HB3	15	1.51
(1,1483)	1:143:A:TYR:HE1	1:144:A:GLN:HG3	3	1.51
(1,1483)	1:143:A:TYR:HE2	1:144:A:GLN:HG3	3	1.51
(1,1483)	1:143:A:TYR:HE1	1:144:A:GLN:HG3	12	1.51
(1,1483)	1:143:A:TYR:HE2	1:144:A:GLN:HG3	12	1.51
(1,1344)	1:34:A:VAL:HG21	1:38:A:TYR:HB3	2	1.51
(1,1344)	1:34:A:VAL:HG22	1:38:A:TYR:HB3	2	1.51
(1,1344)	1:34:A:VAL:HG23	1:38:A:TYR:HB3	2	1.51
(1,963)	1:159:A:VAL:HG21	1:160:A:ASP:HA	8	1.51
(1,963)	1:159:A:VAL:HG22	1:160:A:ASP:HA	8	1.51
(1,963)	1:159:A:VAL:HG23	1:160:A:ASP:HA	8	1.51
(1,963)	1:159:A:VAL:HG21	1:160:A:ASP:HA	13	1.51
(1,963)	1:159:A:VAL:HG22	1:160:A:ASP:HA	13	1.51
(1,963)	1:159:A:VAL:HG23	1:160:A:ASP:HA	13	1.51
(1,404)	1:34:A:VAL:HG21	1:78:A:LEU:H	6	1.51
(1,404)	1:34:A:VAL:HG22	1:78:A:LEU:H	6	1.51
(1,404)	1:34:A:VAL:HG23	1:78:A:LEU:H	6	1.51
(1,3031)	1:118:A:LEU:HD11	2:91:B:ALA:HA	4	1.5
(1,3031)	1:118:A:LEU:HD12	2:91:B:ALA:HA	4	1.5
(1,3031)	1:118:A:LEU:HD13	2:91:B:ALA:HA	4	1.5
(1,2612)	1:35:A:PHE:HB3	1:177:A:TRP:HZ2	18	1.5
(1,2580)	1:37:A:SER:HB3	1:41:A:TYR:HE1	19	1.5
(1,2580)	1:37:A:SER:HB3	1:41:A:TYR:HE2	19	1.5
(1,2344)	1:160:A:ASP:HB3	1:164:A:HIS:HE1	20	1.5
(1,2109)	1:147:A:LEU:HD21	1:142:A:VAL:HG11	3	1.5
(1,2109)	1:147:A:LEU:HD21	1:142:A:VAL:HG12	3	1.5
(1,2109)	1:147:A:LEU:HD21	1:142:A:VAL:HG13	3	1.5
(1,2109)	1:147:A:LEU:HD22	1:142:A:VAL:HG11	3	1.5
(1,2109)	1:147:A:LEU:HD22	1:142:A:VAL:HG12	3	1.5
(1,2109)	1:147:A:LEU:HD22	1:142:A:VAL:HG13	3	1.5
(1,2109)	1:147:A:LEU:HD23	1:142:A:VAL:HG11	3	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2109)	1:147:A:LEU:HD23	1:142:A:VAL:HG12	3	1.5
(1,2109)	1:147:A:LEU:HD23	1:142:A:VAL:HG13	3	1.5
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG21	4	1.5
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG22	4	1.5
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG23	4	1.5
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG21	19	1.5
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG22	19	1.5
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG23	19	1.5
(1,1750)	1:142:A:VAL:HG21	1:102:A:PRO:HG3	16	1.5
(1,1750)	1:142:A:VAL:HG22	1:102:A:PRO:HG3	16	1.5
(1,1750)	1:142:A:VAL:HG23	1:102:A:PRO:HG3	16	1.5
(1,1344)	1:34:A:VAL:HG21	1:38:A:TYR:HB3	12	1.5
(1,1344)	1:34:A:VAL:HG22	1:38:A:TYR:HB3	12	1.5
(1,1344)	1:34:A:VAL:HG23	1:38:A:TYR:HB3	12	1.5
(1,1329)	1:118:A:LEU:HD21	1:134:A:PHE:HB3	9	1.5
(1,1329)	1:118:A:LEU:HD22	1:134:A:PHE:HB3	9	1.5
(1,1329)	1:118:A:LEU:HD23	1:134:A:PHE:HB3	9	1.5
(1,839)	1:63:A:LEU:HB3	1:62:A:THR:HA	19	1.5
(1,3097)	1:126:A:GLY:H	2:101:B:ILE:HG13	15	1.49
(1,2582)	1:140:A:LEU:HB3	1:136:A:TYR:HE1	3	1.49
(1,2582)	1:140:A:LEU:HB3	1:136:A:TYR:HE2	3	1.49
(1,2439)	1:118:A:LEU:HD21	1:134:A:PHE:HE1	3	1.49
(1,2439)	1:118:A:LEU:HD21	1:134:A:PHE:HE2	3	1.49
(1,2439)	1:118:A:LEU:HD22	1:134:A:PHE:HE1	3	1.49
(1,2439)	1:118:A:LEU:HD22	1:134:A:PHE:HE2	3	1.49
(1,2439)	1:118:A:LEU:HD23	1:134:A:PHE:HE1	3	1.49
(1,2439)	1:118:A:LEU:HD23	1:134:A:PHE:HE2	3	1.49
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG21	18	1.49
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG22	18	1.49
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG23	18	1.49
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD11	8	1.49
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD12	8	1.49
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD13	8	1.49
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG11	12	1.49
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG12	12	1.49
(1,1932)	1:71:A:MET:H	1:74:A:VAL:HG13	12	1.49
(1,1549)	1:61:A:VAL:HG11	1:60:A:MET:HB3	16	1.49
(1,1549)	1:61:A:VAL:HG12	1:60:A:MET:HB3	16	1.49
(1,1549)	1:61:A:VAL:HG13	1:60:A:MET:HB3	16	1.49
(1,1483)	1:143:A:TYR:HE1	1:144:A:GLN:HG3	13	1.49
(1,1483)	1:143:A:TYR:HE2	1:144:A:GLN:HG3	13	1.49
(1,1071)	1:66:A:GLN:HE22	1:67:A:PRO:HD3	19	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,963)	1:159:A:VAL:HG21	1:160:A:ASP:HA	4	1.49
(1,963)	1:159:A:VAL:HG22	1:160:A:ASP:HA	4	1.49
(1,963)	1:159:A:VAL:HG23	1:160:A:ASP:HA	4	1.49
(1,653)	1:73:A:GLN:HG3	1:70:A:THR:HA	1	1.49
(1,618)	1:113:A:LYS:HG3	1:116:A:THR:HB	6	1.49
(1,404)	1:34:A:VAL:HG21	1:78:A:LEU:H	15	1.49
(1,404)	1:34:A:VAL:HG22	1:78:A:LEU:H	15	1.49
(1,404)	1:34:A:VAL:HG23	1:78:A:LEU:H	15	1.49
(1,90)	1:97:A:LEU:HD21	1:138:A:LEU:H	3	1.49
(1,90)	1:97:A:LEU:HD22	1:138:A:LEU:H	3	1.49
(1,90)	1:97:A:LEU:HD23	1:138:A:LEU:H	3	1.49
(1,3097)	1:126:A:GLY:H	2:101:B:ILE:HG13	5	1.48
(1,3097)	1:126:A:GLY:H	2:101:B:ILE:HG13	14	1.48
(1,2582)	1:140:A:LEU:HB3	1:136:A:TYR:HE1	1	1.48
(1,2582)	1:140:A:LEU:HB3	1:136:A:TYR:HE2	1	1.48
(1,2439)	1:118:A:LEU:HD21	1:134:A:PHE:HE1	17	1.48
(1,2439)	1:118:A:LEU:HD21	1:134:A:PHE:HE2	17	1.48
(1,2439)	1:118:A:LEU:HD22	1:134:A:PHE:HE1	17	1.48
(1,2439)	1:118:A:LEU:HD22	1:134:A:PHE:HE2	17	1.48
(1,2439)	1:118:A:LEU:HD23	1:134:A:PHE:HE1	17	1.48
(1,2439)	1:118:A:LEU:HD23	1:134:A:PHE:HE2	17	1.48
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD11	19	1.48
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD12	19	1.48
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD13	19	1.48
(1,1747)	1:142:A:VAL:H	1:102:A:PRO:HG3	10	1.48
(1,1344)	1:34:A:VAL:HG21	1:38:A:TYR:HB3	16	1.48
(1,1344)	1:34:A:VAL:HG22	1:38:A:TYR:HB3	16	1.48
(1,1344)	1:34:A:VAL:HG23	1:38:A:TYR:HB3	16	1.48
(1,1136)	1:50:A:GLU:HB3	1:51:A:GLY:HA3	19	1.48
(1,854)	1:159:A:VAL:HG11	1:32:A:GLU:HA	8	1.48
(1,854)	1:159:A:VAL:HG12	1:32:A:GLU:HA	8	1.48
(1,854)	1:159:A:VAL:HG13	1:32:A:GLU:HA	8	1.48
(1,839)	1:63:A:LEU:HB3	1:62:A:THR:HA	18	1.48
(1,2606)	1:42:A:ARG:HD3	1:38:A:TYR:HE1	6	1.47
(1,2606)	1:42:A:ARG:HD3	1:38:A:TYR:HE2	6	1.47
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD11	17	1.47
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD12	17	1.47
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD13	17	1.47
(1,1750)	1:142:A:VAL:HG21	1:102:A:PRO:HG3	4	1.47
(1,1750)	1:142:A:VAL:HG22	1:102:A:PRO:HG3	4	1.47
(1,1750)	1:142:A:VAL:HG23	1:102:A:PRO:HG3	4	1.47
(1,1344)	1:34:A:VAL:HG21	1:38:A:TYR:HB3	9	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1344)	1:34:A:VAL:HG22	1:38:A:TYR:HB3	9	1.47
(1,1344)	1:34:A:VAL:HG23	1:38:A:TYR:HB3	9	1.47
(1,528)	1:55:A:PRO:HD3	1:47:A:GLN:HE21	12	1.47
(1,404)	1:34:A:VAL:HG21	1:78:A:LEU:H	16	1.47
(1,404)	1:34:A:VAL:HG22	1:78:A:LEU:H	16	1.47
(1,404)	1:34:A:VAL:HG23	1:78:A:LEU:H	16	1.47
(1,2466)	1:109:A:GLU:HG3	1:110:A:TYR:HD1	13	1.46
(1,2466)	1:109:A:GLU:HG3	1:110:A:TYR:HD2	13	1.46
(1,2345)	1:163:A:LEU:HB3	1:164:A:HIS:HE1	5	1.46
(1,2345)	1:163:A:LEU:HB3	1:164:A:HIS:HE1	10	1.46
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG11	4	1.46
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG12	4	1.46
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG13	4	1.46
(1,1663)	1:27:A:VAL:HG11	1:24:A:GLU:HB3	3	1.46
(1,1663)	1:27:A:VAL:HG12	1:24:A:GLU:HB3	3	1.46
(1,1663)	1:27:A:VAL:HG13	1:24:A:GLU:HB3	3	1.46
(1,1663)	1:27:A:VAL:HG11	1:24:A:GLU:HB3	6	1.46
(1,1663)	1:27:A:VAL:HG12	1:24:A:GLU:HB3	6	1.46
(1,1663)	1:27:A:VAL:HG13	1:24:A:GLU:HB3	6	1.46
(1,1329)	1:118:A:LEU:HD21	1:134:A:PHE:HB3	19	1.46
(1,1329)	1:118:A:LEU:HD22	1:134:A:PHE:HB3	19	1.46
(1,1329)	1:118:A:LEU:HD23	1:134:A:PHE:HB3	19	1.46
(1,854)	1:159:A:VAL:HG11	1:32:A:GLU:HA	13	1.46
(1,854)	1:159:A:VAL:HG12	1:32:A:GLU:HA	13	1.46
(1,854)	1:159:A:VAL:HG13	1:32:A:GLU:HA	13	1.46
(1,839)	1:63:A:LEU:HB3	1:62:A:THR:HA	9	1.46
(1,839)	1:63:A:LEU:HB3	1:62:A:THR:HA	20	1.46
(1,618)	1:113:A:LYS:HG3	1:116:A:THR:HB	11	1.46
(1,2921)	2:92:B:MK8:HB1A	2:95:B:ASP:HB3	20	1.45
(1,2921)	2:92:B:MK8:HB1B	2:95:B:ASP:HB3	20	1.45
(1,2356)	1:37:A:SER:HB3	1:41:A:TYR:HD1	13	1.45
(1,2356)	1:37:A:SER:HB3	1:41:A:TYR:HD2	13	1.45
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG21	10	1.45
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG22	10	1.45
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG23	10	1.45
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG11	20	1.45
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG12	20	1.45
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG13	20	1.45
(1,1740)	1:63:A:LEU:HD11	1:64:A:PRO:HG3	10	1.45
(1,1740)	1:63:A:LEU:HD12	1:64:A:PRO:HG3	10	1.45
(1,1740)	1:63:A:LEU:HD13	1:64:A:PRO:HG3	10	1.45
(1,2582)	1:140:A:LEU:HB3	1:136:A:TYR:HE1	18	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2582)	1:140:A:LEU:HB3	1:136:A:TYR:HE2	18	1.44
(1,2088)	1:139:A:ALA:HA	1:142:A:VAL:HG11	1	1.44
(1,2088)	1:139:A:ALA:HA	1:142:A:VAL:HG12	1	1.44
(1,2088)	1:139:A:ALA:HA	1:142:A:VAL:HG13	1	1.44
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD21	6	1.44
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD22	6	1.44
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD23	6	1.44
(1,1746)	1:86:A:ASN:HB3	1:87:A:ARG:HG3	1	1.44
(1,1675)	1:84:A:ASP:HB3	1:85:A:ILE:HG13	12	1.44
(1,1344)	1:34:A:VAL:HG21	1:38:A:TYR:HB3	3	1.44
(1,1344)	1:34:A:VAL:HG22	1:38:A:TYR:HB3	3	1.44
(1,1344)	1:34:A:VAL:HG23	1:38:A:TYR:HB3	3	1.44
(1,1329)	1:118:A:LEU:HD21	1:134:A:PHE:HB3	6	1.44
(1,1329)	1:118:A:LEU:HD22	1:134:A:PHE:HB3	6	1.44
(1,1329)	1:118:A:LEU:HD23	1:134:A:PHE:HB3	6	1.44
(1,1020)	1:118:A:LEU:HD21	1:130:A:ALA:HA	4	1.44
(1,1020)	1:118:A:LEU:HD22	1:130:A:ALA:HA	4	1.44
(1,1020)	1:118:A:LEU:HD23	1:130:A:ALA:HA	4	1.44
(1,618)	1:113:A:LYS:HG3	1:116:A:THR:HB	14	1.44
(1,618)	1:113:A:LYS:HG3	1:116:A:THR:HB	16	1.44
(1,2967)	1:113:A:LYS:HG3	2:86:B:ILE:HG21	5	1.43
(1,2967)	1:113:A:LYS:HG3	2:86:B:ILE:HG22	5	1.43
(1,2967)	1:113:A:LYS:HG3	2:86:B:ILE:HG23	5	1.43
(1,2395)	1:142:A:VAL:HG11	1:150:A:PHE:HD1	6	1.43
(1,2395)	1:142:A:VAL:HG11	1:150:A:PHE:HD2	6	1.43
(1,2395)	1:142:A:VAL:HG12	1:150:A:PHE:HD1	6	1.43
(1,2395)	1:142:A:VAL:HG12	1:150:A:PHE:HD2	6	1.43
(1,2395)	1:142:A:VAL:HG13	1:150:A:PHE:HD1	6	1.43
(1,2395)	1:142:A:VAL:HG13	1:150:A:PHE:HD2	6	1.43
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG11	12	1.43
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG12	12	1.43
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG13	12	1.43
(1,1983)	1:36:A:ARG:HG3	1:39:A:VAL:HG21	12	1.43
(1,1983)	1:36:A:ARG:HG3	1:39:A:VAL:HG22	12	1.43
(1,1983)	1:36:A:ARG:HG3	1:39:A:VAL:HG23	12	1.43
(1,1867)	1:73:A:GLN:HG3	1:181:A:LEU:HD11	10	1.43
(1,1867)	1:73:A:GLN:HG3	1:181:A:LEU:HD12	10	1.43
(1,1867)	1:73:A:GLN:HG3	1:181:A:LEU:HD13	10	1.43
(1,1708)	1:30:A:ASP:HA	1:29:A:GLN:HB3	6	1.43
(1,1708)	1:30:A:ASP:HA	1:29:A:GLN:HB3	17	1.43
(1,1708)	1:30:A:ASP:HA	1:29:A:GLN:HB3	19	1.43
(1,1675)	1:84:A:ASP:HB3	1:85:A:ILE:HG13	13	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1419)	1:116:A:THR:HA	1:120:A:GLU:HG3	13	1.43
(1,1344)	1:34:A:VAL:HG21	1:38:A:TYR:HB3	13	1.43
(1,1344)	1:34:A:VAL:HG22	1:38:A:TYR:HB3	13	1.43
(1,1344)	1:34:A:VAL:HG23	1:38:A:TYR:HB3	13	1.43
(1,1250)	1:38:A:TYR:HD1	1:42:A:ARG:HD3	3	1.43
(1,1250)	1:38:A:TYR:HD2	1:42:A:ARG:HD3	3	1.43
(1,1128)	1:155:A:THR:HB	1:152:A:GLY:HA3	6	1.43
(1,854)	1:159:A:VAL:HG11	1:32:A:GLU:HA	1	1.43
(1,854)	1:159:A:VAL:HG12	1:32:A:GLU:HA	1	1.43
(1,854)	1:159:A:VAL:HG13	1:32:A:GLU:HA	1	1.43
(1,3031)	1:118:A:LEU:HD11	2:91:B:ALA:HA	6	1.42
(1,3031)	1:118:A:LEU:HD12	2:91:B:ALA:HA	6	1.42
(1,3031)	1:118:A:LEU:HD13	2:91:B:ALA:HA	6	1.42
(1,3031)	1:118:A:LEU:HD11	2:91:B:ALA:HA	14	1.42
(1,3031)	1:118:A:LEU:HD12	2:91:B:ALA:HA	14	1.42
(1,3031)	1:118:A:LEU:HD13	2:91:B:ALA:HA	14	1.42
(1,2921)	2:92:B:MK8:HB1A	2:95:B:ASP:HB3	2	1.42
(1,2921)	2:92:B:MK8:HB1B	2:95:B:ASP:HB3	2	1.42
(1,2921)	2:92:B:MK8:HB1A	2:95:B:ASP:HB3	10	1.42
(1,2921)	2:92:B:MK8:HB1B	2:95:B:ASP:HB3	10	1.42
(1,2805)	2:81:B:ASP:HA	2:84:B:ARG:HB3	11	1.42
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG11	2	1.42
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG12	2	1.42
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG13	2	1.42
(1,1708)	1:30:A:ASP:HA	1:29:A:GLN:HB3	3	1.42
(1,1708)	1:30:A:ASP:HA	1:29:A:GLN:HB3	4	1.42
(1,1708)	1:30:A:ASP:HA	1:29:A:GLN:HB3	5	1.42
(1,1708)	1:30:A:ASP:HA	1:29:A:GLN:HB3	11	1.42
(1,1708)	1:30:A:ASP:HA	1:29:A:GLN:HB3	18	1.42
(1,1675)	1:84:A:ASP:HB3	1:85:A:ILE:HG13	17	1.42
(1,1479)	1:34:A:VAL:HG11	1:71:A:MET:HG3	15	1.42
(1,1479)	1:34:A:VAL:HG12	1:71:A:MET:HG3	15	1.42
(1,1479)	1:34:A:VAL:HG13	1:71:A:MET:HG3	15	1.42
(1,854)	1:159:A:VAL:HG11	1:32:A:GLU:HA	7	1.42
(1,854)	1:159:A:VAL:HG12	1:32:A:GLU:HA	7	1.42
(1,854)	1:159:A:VAL:HG13	1:32:A:GLU:HA	7	1.42
(1,2582)	1:140:A:LEU:HB3	1:136:A:TYR:HE1	16	1.41
(1,2582)	1:140:A:LEU:HB3	1:136:A:TYR:HE2	16	1.41
(1,2356)	1:37:A:SER:HB3	1:41:A:TYR:HD1	6	1.41
(1,2356)	1:37:A:SER:HB3	1:41:A:TYR:HD2	6	1.41
(1,2318)	1:84:A:ASP:HB3	1:85:A:ILE:HD11	19	1.41
(1,2318)	1:84:A:ASP:HB3	1:85:A:ILE:HD12	19	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2318)	1:84:A:ASP:HB3	1:85:A:ILE:HD13	19	1.41
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG11	18	1.41
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG12	18	1.41
(1,1999)	1:177:A:TRP:HD1	1:34:A:VAL:HG13	18	1.41
(1,1344)	1:34:A:VAL:HG21	1:38:A:TYR:HB3	17	1.41
(1,1344)	1:34:A:VAL:HG22	1:38:A:TYR:HB3	17	1.41
(1,1344)	1:34:A:VAL:HG23	1:38:A:TYR:HB3	17	1.41
(1,1344)	1:34:A:VAL:HG21	1:38:A:TYR:HB3	18	1.41
(1,1344)	1:34:A:VAL:HG22	1:38:A:TYR:HB3	18	1.41
(1,1344)	1:34:A:VAL:HG23	1:38:A:TYR:HB3	18	1.41
(1,618)	1:113:A:LYS:HG3	1:116:A:THR:HB	4	1.41
(1,404)	1:34:A:VAL:HG21	1:78:A:LEU:H	8	1.41
(1,404)	1:34:A:VAL:HG22	1:78:A:LEU:H	8	1.41
(1,404)	1:34:A:VAL:HG23	1:78:A:LEU:H	8	1.41
(1,404)	1:34:A:VAL:HG21	1:78:A:LEU:H	18	1.41
(1,404)	1:34:A:VAL:HG22	1:78:A:LEU:H	18	1.41
(1,404)	1:34:A:VAL:HG23	1:78:A:LEU:H	18	1.41
(1,2423)	1:131:A:LEU:HD21	1:134:A:PHE:HD1	2	1.4
(1,2423)	1:131:A:LEU:HD21	1:134:A:PHE:HD2	2	1.4
(1,2423)	1:131:A:LEU:HD22	1:134:A:PHE:HD1	2	1.4
(1,2423)	1:131:A:LEU:HD22	1:134:A:PHE:HD2	2	1.4
(1,2423)	1:131:A:LEU:HD23	1:134:A:PHE:HD1	2	1.4
(1,2423)	1:131:A:LEU:HD23	1:134:A:PHE:HD2	2	1.4
(1,2423)	1:131:A:LEU:HD21	1:134:A:PHE:HD1	18	1.4
(1,2423)	1:131:A:LEU:HD21	1:134:A:PHE:HD2	18	1.4
(1,2423)	1:131:A:LEU:HD22	1:134:A:PHE:HD1	18	1.4
(1,2423)	1:131:A:LEU:HD22	1:134:A:PHE:HD2	18	1.4
(1,2423)	1:131:A:LEU:HD23	1:134:A:PHE:HD1	18	1.4
(1,2423)	1:131:A:LEU:HD23	1:134:A:PHE:HD2	18	1.4
(1,2356)	1:37:A:SER:HB3	1:41:A:TYR:HD1	5	1.4
(1,2356)	1:37:A:SER:HB3	1:41:A:TYR:HD2	5	1.4
(1,2318)	1:84:A:ASP:HB3	1:85:A:ILE:HD11	1	1.4
(1,2318)	1:84:A:ASP:HB3	1:85:A:ILE:HD12	1	1.4
(1,2318)	1:84:A:ASP:HB3	1:85:A:ILE:HD13	1	1.4
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG11	18	1.4
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG12	18	1.4
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG13	18	1.4
(1,1627)	1:129:A:VAL:HG11	1:125:A:TRP:HB3	15	1.4
(1,1627)	1:129:A:VAL:HG12	1:125:A:TRP:HB3	15	1.4
(1,1627)	1:129:A:VAL:HG13	1:125:A:TRP:HB3	15	1.4
(1,1479)	1:34:A:VAL:HG11	1:71:A:MET:HG3	19	1.4
(1,1479)	1:34:A:VAL:HG12	1:71:A:MET:HG3	19	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1479)	1:34:A:VAL:HG13	1:71:A:MET:HG3	19	1.4
(1,1419)	1:116:A:THR:HA	1:120:A:GLU:HG3	20	1.4
(1,1264)	1:20:A:PRO:HA	1:19:A:LEU:HB3	7	1.4
(1,1189)	1:159:A:VAL:HG11	1:156:A:ARG:HD3	16	1.4
(1,1189)	1:159:A:VAL:HG12	1:156:A:ARG:HD3	16	1.4
(1,1189)	1:159:A:VAL:HG13	1:156:A:ARG:HD3	16	1.4
(1,1012)	1:27:A:VAL:HG11	1:172:A:ALA:HA	11	1.4
(1,1012)	1:27:A:VAL:HG12	1:172:A:ALA:HA	11	1.4
(1,1012)	1:27:A:VAL:HG13	1:172:A:ALA:HA	11	1.4
(1,962)	1:163:A:LEU:HB3	1:160:A:ASP:HA	15	1.4
(1,854)	1:159:A:VAL:HG11	1:32:A:GLU:HA	18	1.4
(1,854)	1:159:A:VAL:HG12	1:32:A:GLU:HA	18	1.4
(1,854)	1:159:A:VAL:HG13	1:32:A:GLU:HA	18	1.4
(1,618)	1:113:A:LYS:HG3	1:116:A:THR:HB	17	1.4
(1,618)	1:113:A:LYS:HG3	1:116:A:THR:HB	20	1.4
(1,3031)	1:118:A:LEU:HD11	2:91:B:ALA:HA	17	1.39
(1,3031)	1:118:A:LEU:HD12	2:91:B:ALA:HA	17	1.39
(1,3031)	1:118:A:LEU:HD13	2:91:B:ALA:HA	17	1.39
(1,2805)	2:81:B:ASP:HA	2:84:B:ARG:HB3	2	1.39
(1,2805)	2:81:B:ASP:HA	2:84:B:ARG:HB3	3	1.39
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE1	15	1.39
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE2	15	1.39
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE3	15	1.39
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE1	15	1.39
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE2	15	1.39
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE3	15	1.39
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE1	15	1.39
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE2	15	1.39
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE3	15	1.39
(1,2069)	1:163:A:LEU:HD11	1:159:A:VAL:HG21	4	1.39
(1,2069)	1:163:A:LEU:HD11	1:159:A:VAL:HG22	4	1.39
(1,2069)	1:163:A:LEU:HD11	1:159:A:VAL:HG23	4	1.39
(1,2069)	1:163:A:LEU:HD12	1:159:A:VAL:HG21	4	1.39
(1,2069)	1:163:A:LEU:HD12	1:159:A:VAL:HG22	4	1.39
(1,2069)	1:163:A:LEU:HD12	1:159:A:VAL:HG23	4	1.39
(1,2069)	1:163:A:LEU:HD13	1:159:A:VAL:HG21	4	1.39
(1,2069)	1:163:A:LEU:HD13	1:159:A:VAL:HG22	4	1.39
(1,2069)	1:163:A:LEU:HD13	1:159:A:VAL:HG23	4	1.39
(1,2069)	1:163:A:LEU:HD21	1:159:A:VAL:HG21	4	1.39
(1,2069)	1:163:A:LEU:HD21	1:159:A:VAL:HG22	4	1.39
(1,2069)	1:163:A:LEU:HD21	1:159:A:VAL:HG23	4	1.39
(1,2069)	1:163:A:LEU:HD22	1:159:A:VAL:HG21	4	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2069)	1:163:A:LEU:HD22	1:159:A:VAL:HG22	4	1.39
(1,2069)	1:163:A:LEU:HD22	1:159:A:VAL:HG23	4	1.39
(1,2069)	1:163:A:LEU:HD23	1:159:A:VAL:HG21	4	1.39
(1,2069)	1:163:A:LEU:HD23	1:159:A:VAL:HG22	4	1.39
(1,2069)	1:163:A:LEU:HD23	1:159:A:VAL:HG23	4	1.39
(1,1891)	1:128:A:VAL:H	1:129:A:VAL:HG11	5	1.39
(1,1891)	1:128:A:VAL:H	1:129:A:VAL:HG12	5	1.39
(1,1891)	1:128:A:VAL:H	1:129:A:VAL:HG13	5	1.39
(1,1747)	1:142:A:VAL:H	1:102:A:PRO:HG3	9	1.39
(1,1747)	1:142:A:VAL:H	1:102:A:PRO:HG3	11	1.39
(1,1740)	1:63:A:LEU:HD11	1:64:A:PRO:HG3	4	1.39
(1,1740)	1:63:A:LEU:HD12	1:64:A:PRO:HG3	4	1.39
(1,1740)	1:63:A:LEU:HD13	1:64:A:PRO:HG3	4	1.39
(1,1682)	1:163:A:LEU:HB3	1:164:A:HIS:HB3	7	1.39
(1,1429)	1:159:A:VAL:HG11	1:32:A:GLU:HG3	18	1.39
(1,1429)	1:159:A:VAL:HG12	1:32:A:GLU:HG3	18	1.39
(1,1429)	1:159:A:VAL:HG13	1:32:A:GLU:HG3	18	1.39
(1,1419)	1:116:A:THR:HA	1:120:A:GLU:HG3	1	1.39
(1,1344)	1:34:A:VAL:HG21	1:38:A:TYR:HB3	7	1.39
(1,1344)	1:34:A:VAL:HG22	1:38:A:TYR:HB3	7	1.39
(1,1344)	1:34:A:VAL:HG23	1:38:A:TYR:HB3	7	1.39
(1,1344)	1:34:A:VAL:HG21	1:38:A:TYR:HB3	8	1.39
(1,1344)	1:34:A:VAL:HG22	1:38:A:TYR:HB3	8	1.39
(1,1344)	1:34:A:VAL:HG23	1:38:A:TYR:HB3	8	1.39
(1,1344)	1:34:A:VAL:HG21	1:38:A:TYR:HB3	10	1.39
(1,1344)	1:34:A:VAL:HG22	1:38:A:TYR:HB3	10	1.39
(1,1344)	1:34:A:VAL:HG23	1:38:A:TYR:HB3	10	1.39
(1,1344)	1:34:A:VAL:HG21	1:38:A:TYR:HB3	11	1.39
(1,1344)	1:34:A:VAL:HG22	1:38:A:TYR:HB3	11	1.39
(1,1344)	1:34:A:VAL:HG23	1:38:A:TYR:HB3	11	1.39
(1,854)	1:159:A:VAL:HG11	1:32:A:GLU:HA	15	1.39
(1,854)	1:159:A:VAL:HG12	1:32:A:GLU:HA	15	1.39
(1,854)	1:159:A:VAL:HG13	1:32:A:GLU:HA	15	1.39
(1,653)	1:73:A:GLN:HG3	1:70:A:THR:HA	12	1.39
(1,618)	1:113:A:LYS:HG3	1:116:A:THR:HB	13	1.39
(1,3097)	1:126:A:GLY:H	2:101:B:ILE:HG13	12	1.38
(1,2582)	1:140:A:LEU:HB3	1:136:A:TYR:HE1	12	1.38
(1,2582)	1:140:A:LEU:HB3	1:136:A:TYR:HE2	12	1.38
(1,2439)	1:118:A:LEU:HD21	1:134:A:PHE:HE1	4	1.38
(1,2439)	1:118:A:LEU:HD21	1:134:A:PHE:HE2	4	1.38
(1,2439)	1:118:A:LEU:HD22	1:134:A:PHE:HE1	4	1.38
(1,2439)	1:118:A:LEU:HD22	1:134:A:PHE:HE2	4	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2439)	1:118:A:LEU:HD23	1:134:A:PHE:HE1	4	1.38
(1,2439)	1:118:A:LEU:HD23	1:134:A:PHE:HE2	4	1.38
(1,2430)	1:118:A:LEU:HD21	1:134:A:PHE:HD1	19	1.38
(1,2430)	1:118:A:LEU:HD21	1:134:A:PHE:HD2	19	1.38
(1,2430)	1:118:A:LEU:HD22	1:134:A:PHE:HD1	19	1.38
(1,2430)	1:118:A:LEU:HD22	1:134:A:PHE:HD2	19	1.38
(1,2430)	1:118:A:LEU:HD23	1:134:A:PHE:HD1	19	1.38
(1,2430)	1:118:A:LEU:HD23	1:134:A:PHE:HD2	19	1.38
(1,2356)	1:37:A:SER:HB3	1:41:A:TYR:HD1	16	1.38
(1,2356)	1:37:A:SER:HB3	1:41:A:TYR:HD2	16	1.38
(1,1747)	1:142:A:VAL:H	1:102:A:PRO:HG3	12	1.38
(1,1682)	1:163:A:LEU:HB3	1:164:A:HIS:HB3	2	1.38
(1,1675)	1:84:A:ASP:HB3	1:85:A:ILE:HG13	16	1.38
(1,1663)	1:27:A:VAL:HG11	1:24:A:GLU:HB3	9	1.38
(1,1663)	1:27:A:VAL:HG12	1:24:A:GLU:HB3	9	1.38
(1,1663)	1:27:A:VAL:HG13	1:24:A:GLU:HB3	9	1.38
(1,1477)	1:28:A:ALA:HB1	1:29:A:GLN:HG3	18	1.38
(1,1477)	1:28:A:ALA:HB2	1:29:A:GLN:HG3	18	1.38
(1,1477)	1:28:A:ALA:HB3	1:29:A:GLN:HG3	18	1.38
(1,1429)	1:159:A:VAL:HG11	1:32:A:GLU:HG3	17	1.38
(1,1429)	1:159:A:VAL:HG12	1:32:A:GLU:HG3	17	1.38
(1,1429)	1:159:A:VAL:HG13	1:32:A:GLU:HG3	17	1.38
(1,1419)	1:116:A:THR:HA	1:120:A:GLU:HG3	11	1.38
(1,1329)	1:118:A:LEU:HD21	1:134:A:PHE:HB3	4	1.38
(1,1329)	1:118:A:LEU:HD22	1:134:A:PHE:HB3	4	1.38
(1,1329)	1:118:A:LEU:HD23	1:134:A:PHE:HB3	4	1.38
(1,653)	1:73:A:GLN:HG3	1:70:A:THR:HA	15	1.38
(1,404)	1:34:A:VAL:HG21	1:78:A:LEU:H	10	1.38
(1,404)	1:34:A:VAL:HG22	1:78:A:LEU:H	10	1.38
(1,404)	1:34:A:VAL:HG23	1:78:A:LEU:H	10	1.38
(1,3097)	1:126:A:GLY:H	2:101:B:ILE:HG13	18	1.37
(1,3031)	1:118:A:LEU:HD11	2:91:B:ALA:HA	12	1.37
(1,3031)	1:118:A:LEU:HD12	2:91:B:ALA:HA	12	1.37
(1,3031)	1:118:A:LEU:HD13	2:91:B:ALA:HA	12	1.37
(1,3031)	1:118:A:LEU:HD11	2:91:B:ALA:HA	19	1.37
(1,3031)	1:118:A:LEU:HD12	2:91:B:ALA:HA	19	1.37
(1,3031)	1:118:A:LEU:HD13	2:91:B:ALA:HA	19	1.37
(1,2612)	1:35:A:PHE:HB3	1:177:A:TRP:HZ2	14	1.37
(1,2582)	1:140:A:LEU:HB3	1:136:A:TYR:HE1	20	1.37
(1,2582)	1:140:A:LEU:HB3	1:136:A:TYR:HE2	20	1.37
(1,2466)	1:109:A:GLU:HG3	1:110:A:TYR:HD1	1	1.37
(1,2466)	1:109:A:GLU:HG3	1:110:A:TYR:HD2	1	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2423)	1:131:A:LEU:HD21	1:134:A:PHE:HD1	7	1.37
(1,2423)	1:131:A:LEU:HD21	1:134:A:PHE:HD2	7	1.37
(1,2423)	1:131:A:LEU:HD22	1:134:A:PHE:HD1	7	1.37
(1,2423)	1:131:A:LEU:HD22	1:134:A:PHE:HD2	7	1.37
(1,2423)	1:131:A:LEU:HD23	1:134:A:PHE:HD1	7	1.37
(1,2423)	1:131:A:LEU:HD23	1:134:A:PHE:HD2	7	1.37
(1,2423)	1:131:A:LEU:HD21	1:134:A:PHE:HD1	19	1.37
(1,2423)	1:131:A:LEU:HD21	1:134:A:PHE:HD2	19	1.37
(1,2423)	1:131:A:LEU:HD22	1:134:A:PHE:HD1	19	1.37
(1,2423)	1:131:A:LEU:HD22	1:134:A:PHE:HD2	19	1.37
(1,2423)	1:131:A:LEU:HD23	1:134:A:PHE:HD1	19	1.37
(1,2423)	1:131:A:LEU:HD23	1:134:A:PHE:HD2	19	1.37
(1,2356)	1:37:A:SER:HB3	1:41:A:TYR:HD1	4	1.37
(1,2356)	1:37:A:SER:HB3	1:41:A:TYR:HD2	4	1.37
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD11	4	1.37
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD12	4	1.37
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD13	4	1.37
(1,1627)	1:129:A:VAL:HG11	1:125:A:TRP:HB3	2	1.37
(1,1627)	1:129:A:VAL:HG12	1:125:A:TRP:HB3	2	1.37
(1,1627)	1:129:A:VAL:HG13	1:125:A:TRP:HB3	2	1.37
(1,1344)	1:34:A:VAL:HG21	1:38:A:TYR:HB3	19	1.37
(1,1344)	1:34:A:VAL:HG22	1:38:A:TYR:HB3	19	1.37
(1,1344)	1:34:A:VAL:HG23	1:38:A:TYR:HB3	19	1.37
(1,1151)	1:27:A:VAL:HG11	1:176:A:GLY:HA3	4	1.37
(1,1151)	1:27:A:VAL:HG12	1:176:A:GLY:HA3	4	1.37
(1,1151)	1:27:A:VAL:HG13	1:176:A:GLY:HA3	4	1.37
(1,618)	1:113:A:LYS:HG3	1:116:A:THR:HB	2	1.37
(1,528)	1:55:A:PRO:HD3	1:47:A:GLN:HE21	5	1.37
(1,108)	1:74:A:VAL:HG11	1:73:A:GLN:H	11	1.37
(1,108)	1:74:A:VAL:HG12	1:73:A:GLN:H	11	1.37
(1,108)	1:74:A:VAL:HG13	1:73:A:GLN:H	11	1.37
(1,2921)	2:92:B:MK8:HB1A	2:95:B:ASP:HB3	19	1.36
(1,2921)	2:92:B:MK8:HB1B	2:95:B:ASP:HB3	19	1.36
(1,2423)	1:131:A:LEU:HD21	1:134:A:PHE:HD1	15	1.36
(1,2423)	1:131:A:LEU:HD21	1:134:A:PHE:HD2	15	1.36
(1,2423)	1:131:A:LEU:HD22	1:134:A:PHE:HD1	15	1.36
(1,2423)	1:131:A:LEU:HD22	1:134:A:PHE:HD2	15	1.36
(1,2423)	1:131:A:LEU:HD23	1:134:A:PHE:HD1	15	1.36
(1,2423)	1:131:A:LEU:HD23	1:134:A:PHE:HD2	15	1.36
(1,2365)	2:93:B:VAL:HG21	1:89:A:TYR:HD1	20	1.36
(1,2365)	2:93:B:VAL:HG21	1:89:A:TYR:HD2	20	1.36
(1,2365)	2:93:B:VAL:HG22	1:89:A:TYR:HD1	20	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2365)	2:93:B:VAL:HG22	1:89:A:TYR:HD2	20	1.36
(1,2365)	2:93:B:VAL:HG23	1:89:A:TYR:HD1	20	1.36
(1,2365)	2:93:B:VAL:HG23	1:89:A:TYR:HD2	20	1.36
(1,1663)	1:27:A:VAL:HG11	1:24:A:GLU:HB3	20	1.36
(1,1663)	1:27:A:VAL:HG12	1:24:A:GLU:HB3	20	1.36
(1,1663)	1:27:A:VAL:HG13	1:24:A:GLU:HB3	20	1.36
(1,1627)	1:129:A:VAL:HG11	1:125:A:TRP:HB3	7	1.36
(1,1627)	1:129:A:VAL:HG12	1:125:A:TRP:HB3	7	1.36
(1,1627)	1:129:A:VAL:HG13	1:125:A:TRP:HB3	7	1.36
(1,1627)	1:129:A:VAL:HG11	1:125:A:TRP:HB3	11	1.36
(1,1627)	1:129:A:VAL:HG12	1:125:A:TRP:HB3	11	1.36
(1,1627)	1:129:A:VAL:HG13	1:125:A:TRP:HB3	11	1.36
(1,1419)	1:116:A:THR:HA	1:120:A:GLU:HG3	8	1.36
(1,1350)	1:179:A:ALA:HB1	1:182:A:ASN:HB3	3	1.36
(1,1350)	1:179:A:ALA:HB2	1:182:A:ASN:HB3	3	1.36
(1,1350)	1:179:A:ALA:HB3	1:182:A:ASN:HB3	3	1.36
(1,1020)	1:118:A:LEU:HD21	1:130:A:ALA:HA	12	1.36
(1,1020)	1:118:A:LEU:HD22	1:130:A:ALA:HA	12	1.36
(1,1020)	1:118:A:LEU:HD23	1:130:A:ALA:HA	12	1.36
(1,3031)	1:118:A:LEU:HD11	2:91:B:ALA:HA	3	1.35
(1,3031)	1:118:A:LEU:HD12	2:91:B:ALA:HA	3	1.35
(1,3031)	1:118:A:LEU:HD13	2:91:B:ALA:HA	3	1.35
(1,2423)	1:131:A:LEU:HD21	1:134:A:PHE:HD1	5	1.35
(1,2423)	1:131:A:LEU:HD21	1:134:A:PHE:HD2	5	1.35
(1,2423)	1:131:A:LEU:HD22	1:134:A:PHE:HD1	5	1.35
(1,2423)	1:131:A:LEU:HD22	1:134:A:PHE:HD2	5	1.35
(1,2423)	1:131:A:LEU:HD23	1:134:A:PHE:HD1	5	1.35
(1,2423)	1:131:A:LEU:HD23	1:134:A:PHE:HD2	5	1.35
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB1	3	1.35
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB2	3	1.35
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB3	3	1.35
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB1	3	1.35
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB2	3	1.35
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB3	3	1.35
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB1	3	1.35
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB2	3	1.35
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB3	3	1.35
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB1	4	1.35
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB2	4	1.35
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB3	4	1.35
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB1	4	1.35
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB2	4	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB3	4	1.35
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB1	4	1.35
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB2	4	1.35
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB3	4	1.35
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB1	6	1.35
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB2	6	1.35
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB3	6	1.35
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB1	6	1.35
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB2	6	1.35
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB3	6	1.35
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB1	6	1.35
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB2	6	1.35
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB3	6	1.35
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB1	8	1.35
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB2	8	1.35
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB3	8	1.35
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB1	8	1.35
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB2	8	1.35
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB3	8	1.35
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB1	8	1.35
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB2	8	1.35
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB3	8	1.35
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB1	9	1.35
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB2	9	1.35
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB3	9	1.35
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB1	9	1.35
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB2	9	1.35
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB3	9	1.35
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB1	9	1.35
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB2	9	1.35
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB3	9	1.35
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB1	12	1.35
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB2	12	1.35
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB3	12	1.35
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB1	12	1.35
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB2	12	1.35
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB3	12	1.35
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB1	12	1.35
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB2	12	1.35
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB3	12	1.35
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB1	14	1.35
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB2	14	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB3	14	1.35
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB1	14	1.35
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB2	14	1.35
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB3	14	1.35
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB1	14	1.35
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB2	14	1.35
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB3	14	1.35
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB1	15	1.35
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB2	15	1.35
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB3	15	1.35
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB1	15	1.35
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB2	15	1.35
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB3	15	1.35
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB1	15	1.35
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB2	15	1.35
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB3	15	1.35
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB1	16	1.35
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB2	16	1.35
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB3	16	1.35
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB1	16	1.35
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB2	16	1.35
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB3	16	1.35
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB1	16	1.35
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB2	16	1.35
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB3	16	1.35
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB1	17	1.35
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB2	17	1.35
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB3	17	1.35
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB1	17	1.35
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB2	17	1.35
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB3	17	1.35
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB1	17	1.35
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB2	17	1.35
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB3	17	1.35
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB1	19	1.35
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB2	19	1.35
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB3	19	1.35
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB1	19	1.35
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB2	19	1.35
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB3	19	1.35
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB1	19	1.35
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB2	19	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB3	19	1.35
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB1	20	1.35
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB2	20	1.35
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB3	20	1.35
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB1	20	1.35
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB2	20	1.35
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB3	20	1.35
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB1	20	1.35
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB2	20	1.35
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB3	20	1.35
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG21	11	1.35
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG22	11	1.35
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG23	11	1.35
(1,1898)	1:143:A:TYR:HD1	1:147:A:LEU:HD21	6	1.35
(1,1898)	1:143:A:TYR:HD1	1:147:A:LEU:HD22	6	1.35
(1,1898)	1:143:A:TYR:HD1	1:147:A:LEU:HD23	6	1.35
(1,1898)	1:143:A:TYR:HD2	1:147:A:LEU:HD21	6	1.35
(1,1898)	1:143:A:TYR:HD2	1:147:A:LEU:HD22	6	1.35
(1,1898)	1:143:A:TYR:HD2	1:147:A:LEU:HD23	6	1.35
(1,1891)	1:128:A:VAL:H	1:129:A:VAL:HG11	9	1.35
(1,1891)	1:128:A:VAL:H	1:129:A:VAL:HG12	9	1.35
(1,1891)	1:128:A:VAL:H	1:129:A:VAL:HG13	9	1.35
(1,1891)	1:128:A:VAL:H	1:129:A:VAL:HG11	18	1.35
(1,1891)	1:128:A:VAL:H	1:129:A:VAL:HG12	18	1.35
(1,1891)	1:128:A:VAL:H	1:129:A:VAL:HG13	18	1.35
(1,1793)	1:35:A:PHE:HE1	1:36:A:ARG:HG3	2	1.35
(1,1793)	1:35:A:PHE:HE2	1:36:A:ARG:HG3	2	1.35
(1,1477)	1:28:A:ALA:HB1	1:29:A:GLN:HG3	5	1.35
(1,1477)	1:28:A:ALA:HB2	1:29:A:GLN:HG3	5	1.35
(1,1477)	1:28:A:ALA:HB3	1:29:A:GLN:HG3	5	1.35
(1,1477)	1:28:A:ALA:HB1	1:29:A:GLN:HG3	11	1.35
(1,1477)	1:28:A:ALA:HB2	1:29:A:GLN:HG3	11	1.35
(1,1477)	1:28:A:ALA:HB3	1:29:A:GLN:HG3	11	1.35
(1,1429)	1:159:A:VAL:HG11	1:32:A:GLU:HG3	19	1.35
(1,1429)	1:159:A:VAL:HG12	1:32:A:GLU:HG3	19	1.35
(1,1429)	1:159:A:VAL:HG13	1:32:A:GLU:HG3	19	1.35
(1,1419)	1:116:A:THR:HA	1:120:A:GLU:HG3	16	1.35
(1,1344)	1:34:A:VAL:HG21	1:38:A:TYR:HB3	1	1.35
(1,1344)	1:34:A:VAL:HG22	1:38:A:TYR:HB3	1	1.35
(1,1344)	1:34:A:VAL:HG23	1:38:A:TYR:HB3	1	1.35
(1,1344)	1:34:A:VAL:HG21	1:38:A:TYR:HB3	5	1.35
(1,1344)	1:34:A:VAL:HG22	1:38:A:TYR:HB3	5	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1344)	1:34:A:VAL:HG23	1:38:A:TYR:HB3	5	1.35
(1,1071)	1:66:A:GLN:HE22	1:67:A:PRO:HD3	5	1.35
(1,1020)	1:118:A:LEU:HD21	1:130:A:ALA:HA	17	1.35
(1,1020)	1:118:A:LEU:HD22	1:130:A:ALA:HA	17	1.35
(1,1020)	1:118:A:LEU:HD23	1:130:A:ALA:HA	17	1.35
(1,618)	1:113:A:LYS:HG3	1:116:A:THR:HB	9	1.35
(1,618)	1:113:A:LYS:HG3	1:116:A:THR:HB	15	1.35
(1,618)	1:113:A:LYS:HG3	1:116:A:THR:HB	18	1.35
(1,404)	1:34:A:VAL:HG21	1:78:A:LEU:H	13	1.35
(1,404)	1:34:A:VAL:HG22	1:78:A:LEU:H	13	1.35
(1,404)	1:34:A:VAL:HG23	1:78:A:LEU:H	13	1.35
(1,2921)	2:92:B:MK8:HB1A	2:95:B:ASP:HB3	3	1.34
(1,2921)	2:92:B:MK8:HB1B	2:95:B:ASP:HB3	3	1.34
(1,2710)	2:85:B:ASN:HA	2:88:B:ARG:HD3	13	1.34
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE1	13	1.34
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE2	13	1.34
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE3	13	1.34
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE1	13	1.34
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE2	13	1.34
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE3	13	1.34
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE1	13	1.34
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE2	13	1.34
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE3	13	1.34
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB1	5	1.34
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB2	5	1.34
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB3	5	1.34
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB1	5	1.34
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB2	5	1.34
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB3	5	1.34
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB1	5	1.34
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB2	5	1.34
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB3	5	1.34
(1,1891)	1:128:A:VAL:H	1:129:A:VAL:HG11	2	1.34
(1,1891)	1:128:A:VAL:H	1:129:A:VAL:HG12	2	1.34
(1,1891)	1:128:A:VAL:H	1:129:A:VAL:HG13	2	1.34
(1,1891)	1:128:A:VAL:H	1:129:A:VAL:HG11	7	1.34
(1,1891)	1:128:A:VAL:H	1:129:A:VAL:HG12	7	1.34
(1,1891)	1:128:A:VAL:H	1:129:A:VAL:HG13	7	1.34
(1,1891)	1:128:A:VAL:H	1:129:A:VAL:HG11	11	1.34
(1,1891)	1:128:A:VAL:H	1:129:A:VAL:HG12	11	1.34
(1,1891)	1:128:A:VAL:H	1:129:A:VAL:HG13	11	1.34
(1,1891)	1:128:A:VAL:H	1:129:A:VAL:HG11	20	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1891)	1:128:A:VAL:H	1:129:A:VAL:HG12	20	1.34
(1,1891)	1:128:A:VAL:H	1:129:A:VAL:HG13	20	1.34
(1,1663)	1:27:A:VAL:HG11	1:24:A:GLU:HB3	1	1.34
(1,1663)	1:27:A:VAL:HG12	1:24:A:GLU:HB3	1	1.34
(1,1663)	1:27:A:VAL:HG13	1:24:A:GLU:HB3	1	1.34
(1,1429)	1:159:A:VAL:HG11	1:32:A:GLU:HG3	7	1.34
(1,1429)	1:159:A:VAL:HG12	1:32:A:GLU:HG3	7	1.34
(1,1429)	1:159:A:VAL:HG13	1:32:A:GLU:HG3	7	1.34
(1,1429)	1:159:A:VAL:HG11	1:32:A:GLU:HG3	14	1.34
(1,1429)	1:159:A:VAL:HG12	1:32:A:GLU:HG3	14	1.34
(1,1429)	1:159:A:VAL:HG13	1:32:A:GLU:HG3	14	1.34
(1,1151)	1:27:A:VAL:HG11	1:176:A:GLY:HA3	11	1.34
(1,1151)	1:27:A:VAL:HG12	1:176:A:GLY:HA3	11	1.34
(1,1151)	1:27:A:VAL:HG13	1:176:A:GLY:HA3	11	1.34
(1,1012)	1:27:A:VAL:HG11	1:172:A:ALA:HA	13	1.34
(1,1012)	1:27:A:VAL:HG12	1:172:A:ALA:HA	13	1.34
(1,1012)	1:27:A:VAL:HG13	1:172:A:ALA:HA	13	1.34
(1,618)	1:113:A:LYS:HG3	1:116:A:THR:HB	3	1.34
(1,618)	1:113:A:LYS:HG3	1:116:A:THR:HB	8	1.34
(1,3097)	1:126:A:GLY:H	2:101:B:ILE:HG13	3	1.33
(1,2683)	2:84:B:ARG:HA	2:84:B:ARG:HD3	12	1.33
(1,2606)	1:42:A:ARG:HD3	1:38:A:TYR:HE1	10	1.33
(1,2606)	1:42:A:ARG:HD3	1:38:A:TYR:HE2	10	1.33
(1,2423)	1:131:A:LEU:HD21	1:134:A:PHE:HD1	10	1.33
(1,2423)	1:131:A:LEU:HD21	1:134:A:PHE:HD2	10	1.33
(1,2423)	1:131:A:LEU:HD22	1:134:A:PHE:HD1	10	1.33
(1,2423)	1:131:A:LEU:HD22	1:134:A:PHE:HD2	10	1.33
(1,2423)	1:131:A:LEU:HD23	1:134:A:PHE:HD1	10	1.33
(1,2423)	1:131:A:LEU:HD23	1:134:A:PHE:HD2	10	1.33
(1,1891)	1:128:A:VAL:H	1:129:A:VAL:HG11	15	1.33
(1,1891)	1:128:A:VAL:H	1:129:A:VAL:HG12	15	1.33
(1,1891)	1:128:A:VAL:H	1:129:A:VAL:HG13	15	1.33
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD11	10	1.33
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD12	10	1.33
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD13	10	1.33
(1,1663)	1:27:A:VAL:HG11	1:24:A:GLU:HB3	10	1.33
(1,1663)	1:27:A:VAL:HG12	1:24:A:GLU:HB3	10	1.33
(1,1663)	1:27:A:VAL:HG13	1:24:A:GLU:HB3	10	1.33
(1,1477)	1:28:A:ALA:HB1	1:29:A:GLN:HG3	4	1.33
(1,1477)	1:28:A:ALA:HB2	1:29:A:GLN:HG3	4	1.33
(1,1477)	1:28:A:ALA:HB3	1:29:A:GLN:HG3	4	1.33
(1,1477)	1:28:A:ALA:HB1	1:29:A:GLN:HG3	17	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1477)	1:28:A:ALA:HB2	1:29:A:GLN:HG3	17	1.33
(1,1477)	1:28:A:ALA:HB3	1:29:A:GLN:HG3	17	1.33
(1,1429)	1:159:A:VAL:HG11	1:32:A:GLU:HG3	1	1.33
(1,1429)	1:159:A:VAL:HG12	1:32:A:GLU:HG3	1	1.33
(1,1429)	1:159:A:VAL:HG13	1:32:A:GLU:HG3	1	1.33
(1,1419)	1:116:A:THR:HA	1:120:A:GLU:HG3	6	1.33
(1,1151)	1:27:A:VAL:HG11	1:176:A:GLY:HA3	3	1.33
(1,1151)	1:27:A:VAL:HG12	1:176:A:GLY:HA3	3	1.33
(1,1151)	1:27:A:VAL:HG13	1:176:A:GLY:HA3	3	1.33
(1,618)	1:113:A:LYS:HG3	1:116:A:THR:HB	12	1.33
(1,593)	1:131:A:LEU:HD21	1:135:A:GLY:H	18	1.33
(1,593)	1:131:A:LEU:HD22	1:135:A:GLY:H	18	1.33
(1,593)	1:131:A:LEU:HD23	1:135:A:GLY:H	18	1.33
(1,3097)	1:126:A:GLY:H	2:101:B:ILE:HG13	2	1.32
(1,3097)	1:126:A:GLY:H	2:101:B:ILE:HG13	4	1.32
(1,2582)	1:140:A:LEU:HB3	1:136:A:TYR:HE1	11	1.32
(1,2582)	1:140:A:LEU:HB3	1:136:A:TYR:HE2	11	1.32
(1,2423)	1:131:A:LEU:HD21	1:134:A:PHE:HD1	12	1.32
(1,2423)	1:131:A:LEU:HD21	1:134:A:PHE:HD2	12	1.32
(1,2423)	1:131:A:LEU:HD22	1:134:A:PHE:HD1	12	1.32
(1,2423)	1:131:A:LEU:HD22	1:134:A:PHE:HD2	12	1.32
(1,2423)	1:131:A:LEU:HD23	1:134:A:PHE:HD1	12	1.32
(1,2423)	1:131:A:LEU:HD23	1:134:A:PHE:HD2	12	1.32
(1,2398)	1:37:A:SER:HB3	1:40:A:PHE:HD1	2	1.32
(1,2398)	1:37:A:SER:HB3	1:40:A:PHE:HD2	2	1.32
(1,2318)	1:84:A:ASP:HB3	1:85:A:ILE:HD11	15	1.32
(1,2318)	1:84:A:ASP:HB3	1:85:A:ILE:HD12	15	1.32
(1,2318)	1:84:A:ASP:HB3	1:85:A:ILE:HD13	15	1.32
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG21	9	1.32
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG22	9	1.32
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG23	9	1.32
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG21	11	1.32
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG22	11	1.32
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG23	11	1.32
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG21	3	1.32
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG22	3	1.32
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG23	3	1.32
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG21	3	1.32
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG22	3	1.32
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG23	3	1.32
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG21	3	1.32
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG22	3	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG23	3	1.32
(1,1891)	1:128:A:VAL:H	1:129:A:VAL:HG11	4	1.32
(1,1891)	1:128:A:VAL:H	1:129:A:VAL:HG12	4	1.32
(1,1891)	1:128:A:VAL:H	1:129:A:VAL:HG13	4	1.32
(1,1891)	1:128:A:VAL:H	1:129:A:VAL:HG11	13	1.32
(1,1891)	1:128:A:VAL:H	1:129:A:VAL:HG12	13	1.32
(1,1891)	1:128:A:VAL:H	1:129:A:VAL:HG13	13	1.32
(1,1891)	1:128:A:VAL:H	1:129:A:VAL:HG11	19	1.32
(1,1891)	1:128:A:VAL:H	1:129:A:VAL:HG12	19	1.32
(1,1891)	1:128:A:VAL:H	1:129:A:VAL:HG13	19	1.32
(1,1479)	1:34:A:VAL:HG11	1:71:A:MET:HG3	16	1.32
(1,1479)	1:34:A:VAL:HG12	1:71:A:MET:HG3	16	1.32
(1,1479)	1:34:A:VAL:HG13	1:71:A:MET:HG3	16	1.32
(1,1477)	1:28:A:ALA:HB1	1:29:A:GLN:HG3	3	1.32
(1,1477)	1:28:A:ALA:HB2	1:29:A:GLN:HG3	3	1.32
(1,1477)	1:28:A:ALA:HB3	1:29:A:GLN:HG3	3	1.32
(1,1419)	1:116:A:THR:HA	1:120:A:GLU:HG3	10	1.32
(1,1419)	1:116:A:THR:HA	1:120:A:GLU:HG3	18	1.32
(1,1344)	1:34:A:VAL:HG21	1:38:A:TYR:HB3	4	1.32
(1,1344)	1:34:A:VAL:HG22	1:38:A:TYR:HB3	4	1.32
(1,1344)	1:34:A:VAL:HG23	1:38:A:TYR:HB3	4	1.32
(1,1344)	1:34:A:VAL:HG21	1:38:A:TYR:HB3	15	1.32
(1,1344)	1:34:A:VAL:HG22	1:38:A:TYR:HB3	15	1.32
(1,1344)	1:34:A:VAL:HG23	1:38:A:TYR:HB3	15	1.32
(1,1249)	1:86:A:ASN:HD22	1:42:A:ARG:HD3	1	1.32
(1,1130)	1:50:A:GLU:HB3	1:51:A:GLY:HA2	5	1.32
(1,1071)	1:66:A:GLN:HE22	1:67:A:PRO:HD3	12	1.32
(1,1063)	1:19:A:LEU:HB3	1:18:A:ALA:HA	2	1.32
(1,1063)	1:19:A:LEU:HB3	1:18:A:ALA:HA	13	1.32
(1,1020)	1:118:A:LEU:HD21	1:130:A:ALA:HA	3	1.32
(1,1020)	1:118:A:LEU:HD22	1:130:A:ALA:HA	3	1.32
(1,1020)	1:118:A:LEU:HD23	1:130:A:ALA:HA	3	1.32
(1,625)	1:118:A:LEU:HD21	1:128:A:VAL:HA	6	1.32
(1,625)	1:118:A:LEU:HD22	1:128:A:VAL:HA	6	1.32
(1,625)	1:118:A:LEU:HD23	1:128:A:VAL:HA	6	1.32
(1,593)	1:131:A:LEU:HD21	1:135:A:GLY:H	2	1.32
(1,593)	1:131:A:LEU:HD22	1:135:A:GLY:H	2	1.32
(1,593)	1:131:A:LEU:HD23	1:135:A:GLY:H	2	1.32
(1,404)	1:34:A:VAL:HG21	1:78:A:LEU:H	19	1.32
(1,404)	1:34:A:VAL:HG22	1:78:A:LEU:H	19	1.32
(1,404)	1:34:A:VAL:HG23	1:78:A:LEU:H	19	1.32
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD11	4	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD12	4	1.31
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD13	4	1.31
(1,2580)	1:37:A:SER:HB3	1:41:A:TYR:HE1	12	1.31
(1,2580)	1:37:A:SER:HB3	1:41:A:TYR:HE2	12	1.31
(1,2466)	1:109:A:GLU:HG3	1:110:A:TYR:HD1	8	1.31
(1,2466)	1:109:A:GLU:HG3	1:110:A:TYR:HD2	8	1.31
(1,2423)	1:131:A:LEU:HD21	1:134:A:PHE:HD1	3	1.31
(1,2423)	1:131:A:LEU:HD21	1:134:A:PHE:HD2	3	1.31
(1,2423)	1:131:A:LEU:HD22	1:134:A:PHE:HD1	3	1.31
(1,2423)	1:131:A:LEU:HD22	1:134:A:PHE:HD2	3	1.31
(1,2423)	1:131:A:LEU:HD23	1:134:A:PHE:HD1	3	1.31
(1,2423)	1:131:A:LEU:HD23	1:134:A:PHE:HD2	3	1.31
(1,2423)	1:131:A:LEU:HD21	1:134:A:PHE:HD1	17	1.31
(1,2423)	1:131:A:LEU:HD21	1:134:A:PHE:HD2	17	1.31
(1,2423)	1:131:A:LEU:HD22	1:134:A:PHE:HD1	17	1.31
(1,2423)	1:131:A:LEU:HD22	1:134:A:PHE:HD2	17	1.31
(1,2423)	1:131:A:LEU:HD23	1:134:A:PHE:HD1	17	1.31
(1,2423)	1:131:A:LEU:HD23	1:134:A:PHE:HD2	17	1.31
(1,2365)	2:93:B:VAL:HG21	1:89:A:TYR:HD1	10	1.31
(1,2365)	2:93:B:VAL:HG21	1:89:A:TYR:HD2	10	1.31
(1,2365)	2:93:B:VAL:HG22	1:89:A:TYR:HD1	10	1.31
(1,2365)	2:93:B:VAL:HG22	1:89:A:TYR:HD2	10	1.31
(1,2365)	2:93:B:VAL:HG23	1:89:A:TYR:HD1	10	1.31
(1,2365)	2:93:B:VAL:HG23	1:89:A:TYR:HD2	10	1.31
(1,2356)	1:37:A:SER:HB3	1:41:A:TYR:HD1	19	1.31
(1,2356)	1:37:A:SER:HB3	1:41:A:TYR:HD2	19	1.31
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE1	12	1.31
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE2	12	1.31
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE3	12	1.31
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE1	12	1.31
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE2	12	1.31
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE3	12	1.31
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE1	12	1.31
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE2	12	1.31
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE3	12	1.31
(1,2109)	1:147:A:LEU:HD21	1:142:A:VAL:HG11	11	1.31
(1,2109)	1:147:A:LEU:HD21	1:142:A:VAL:HG12	11	1.31
(1,2109)	1:147:A:LEU:HD21	1:142:A:VAL:HG13	11	1.31
(1,2109)	1:147:A:LEU:HD22	1:142:A:VAL:HG11	11	1.31
(1,2109)	1:147:A:LEU:HD22	1:142:A:VAL:HG12	11	1.31
(1,2109)	1:147:A:LEU:HD22	1:142:A:VAL:HG13	11	1.31
(1,2109)	1:147:A:LEU:HD23	1:142:A:VAL:HG11	11	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2109)	1:147:A:LEU:HD23	1:142:A:VAL:HG12	11	1.31
(1,2109)	1:147:A:LEU:HD23	1:142:A:VAL:HG13	11	1.31
(1,1783)	1:75:A:GLY:HA3	1:78:A:LEU:HG	18	1.31
(1,1682)	1:163:A:LEU:HB3	1:164:A:HIS:HB3	19	1.31
(1,1429)	1:159:A:VAL:HG11	1:32:A:GLU:HG3	11	1.31
(1,1429)	1:159:A:VAL:HG12	1:32:A:GLU:HG3	11	1.31
(1,1429)	1:159:A:VAL:HG13	1:32:A:GLU:HG3	11	1.31
(1,1429)	1:159:A:VAL:HG11	1:32:A:GLU:HG3	13	1.31
(1,1429)	1:159:A:VAL:HG12	1:32:A:GLU:HG3	13	1.31
(1,1429)	1:159:A:VAL:HG13	1:32:A:GLU:HG3	13	1.31
(1,1071)	1:66:A:GLN:HE22	1:67:A:PRO:HD3	10	1.31
(1,1012)	1:27:A:VAL:HG11	1:172:A:ALA:HA	3	1.31
(1,1012)	1:27:A:VAL:HG12	1:172:A:ALA:HA	3	1.31
(1,1012)	1:27:A:VAL:HG13	1:172:A:ALA:HA	3	1.31
(1,404)	1:34:A:VAL:HG21	1:78:A:LEU:H	11	1.31
(1,404)	1:34:A:VAL:HG22	1:78:A:LEU:H	11	1.31
(1,404)	1:34:A:VAL:HG23	1:78:A:LEU:H	11	1.31
(1,3097)	1:126:A:GLY:H	2:101:B:ILE:HG13	20	1.3
(1,2967)	1:113:A:LYS:HG3	2:86:B:ILE:HG21	7	1.3
(1,2967)	1:113:A:LYS:HG3	2:86:B:ILE:HG22	7	1.3
(1,2967)	1:113:A:LYS:HG3	2:86:B:ILE:HG23	7	1.3
(1,2921)	2:92:B:MK8:HB1A	2:95:B:ASP:HB3	5	1.3
(1,2921)	2:92:B:MK8:HB1B	2:95:B:ASP:HB3	5	1.3
(1,2921)	2:92:B:MK8:HB1A	2:95:B:ASP:HB3	16	1.3
(1,2921)	2:92:B:MK8:HB1B	2:95:B:ASP:HB3	16	1.3
(1,2318)	1:84:A:ASP:HB3	1:85:A:ILE:HD11	11	1.3
(1,2318)	1:84:A:ASP:HB3	1:85:A:ILE:HD12	11	1.3
(1,2318)	1:84:A:ASP:HB3	1:85:A:ILE:HD13	11	1.3
(1,1660)	1:47:A:GLN:HE21	1:46:A:GLU:HB3	3	1.3
(1,1489)	1:54:A:ALA:HB1	1:47:A:GLN:HG3	19	1.3
(1,1489)	1:54:A:ALA:HB2	1:47:A:GLN:HG3	19	1.3
(1,1489)	1:54:A:ALA:HB3	1:47:A:GLN:HG3	19	1.3
(1,1429)	1:159:A:VAL:HG11	1:32:A:GLU:HG3	8	1.3
(1,1429)	1:159:A:VAL:HG12	1:32:A:GLU:HG3	8	1.3
(1,1429)	1:159:A:VAL:HG13	1:32:A:GLU:HG3	8	1.3
(1,404)	1:34:A:VAL:HG21	1:78:A:LEU:H	4	1.3
(1,404)	1:34:A:VAL:HG22	1:78:A:LEU:H	4	1.3
(1,404)	1:34:A:VAL:HG23	1:78:A:LEU:H	4	1.3
(1,108)	1:74:A:VAL:HG11	1:73:A:GLN:H	17	1.3
(1,108)	1:74:A:VAL:HG12	1:73:A:GLN:H	17	1.3
(1,108)	1:74:A:VAL:HG13	1:73:A:GLN:H	17	1.3
(1,2953)	1:85:A:ILE:HD11	2:100:B:SER:HB3	16	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2953)	1:85:A:ILE:HD12	2:100:B:SER:HB3	16	1.29
(1,2953)	1:85:A:ILE:HD13	2:100:B:SER:HB3	16	1.29
(1,2805)	2:81:B:ASP:HA	2:84:B:ARG:HB3	16	1.29
(1,2612)	1:35:A:PHE:HB3	1:177:A:TRP:HZ2	1	1.29
(1,2582)	1:140:A:LEU:HB3	1:136:A:TYR:HE1	13	1.29
(1,2582)	1:140:A:LEU:HB3	1:136:A:TYR:HE2	13	1.29
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG11	14	1.29
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG12	14	1.29
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG13	14	1.29
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG11	6	1.29
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG12	6	1.29
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG13	6	1.29
(1,1675)	1:84:A:ASP:HB3	1:85:A:ILE:HG13	5	1.29
(1,1479)	1:34:A:VAL:HG11	1:71:A:MET:HG3	7	1.29
(1,1479)	1:34:A:VAL:HG12	1:71:A:MET:HG3	7	1.29
(1,1479)	1:34:A:VAL:HG13	1:71:A:MET:HG3	7	1.29
(1,1479)	1:34:A:VAL:HG11	1:71:A:MET:HG3	8	1.29
(1,1479)	1:34:A:VAL:HG12	1:71:A:MET:HG3	8	1.29
(1,1479)	1:34:A:VAL:HG13	1:71:A:MET:HG3	8	1.29
(1,1477)	1:28:A:ALA:HB1	1:29:A:GLN:HG3	19	1.29
(1,1477)	1:28:A:ALA:HB2	1:29:A:GLN:HG3	19	1.29
(1,1477)	1:28:A:ALA:HB3	1:29:A:GLN:HG3	19	1.29
(1,1419)	1:116:A:THR:HA	1:120:A:GLU:HG3	12	1.29
(1,1350)	1:179:A:ALA:HB1	1:182:A:ASN:HB3	12	1.29
(1,1350)	1:179:A:ALA:HB2	1:182:A:ASN:HB3	12	1.29
(1,1350)	1:179:A:ALA:HB3	1:182:A:ASN:HB3	12	1.29
(1,1062)	1:23:A:SER:HB3	1:22:A:ALA:HA	6	1.29
(1,653)	1:73:A:GLN:HG3	1:70:A:THR:HA	18	1.29
(1,239)	1:98:A:GLN:HB3	1:97:A:LEU:H	17	1.29
(1,3097)	1:126:A:GLY:H	2:101:B:ILE:HG13	13	1.28
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD11	12	1.28
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD12	12	1.28
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD13	12	1.28
(1,2439)	1:118:A:LEU:HD21	1:134:A:PHE:HE1	14	1.28
(1,2439)	1:118:A:LEU:HD21	1:134:A:PHE:HE2	14	1.28
(1,2439)	1:118:A:LEU:HD22	1:134:A:PHE:HE1	14	1.28
(1,2439)	1:118:A:LEU:HD22	1:134:A:PHE:HE2	14	1.28
(1,2439)	1:118:A:LEU:HD23	1:134:A:PHE:HE1	14	1.28
(1,2439)	1:118:A:LEU:HD23	1:134:A:PHE:HE2	14	1.28
(1,2430)	1:118:A:LEU:HD21	1:134:A:PHE:HD1	17	1.28
(1,2430)	1:118:A:LEU:HD21	1:134:A:PHE:HD2	17	1.28
(1,2430)	1:118:A:LEU:HD22	1:134:A:PHE:HD1	17	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2430)	1:118:A:LEU:HD22	1:134:A:PHE:HD2	17	1.28
(1,2430)	1:118:A:LEU:HD23	1:134:A:PHE:HD1	17	1.28
(1,2430)	1:118:A:LEU:HD23	1:134:A:PHE:HD2	17	1.28
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE1	1	1.28
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE2	1	1.28
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE3	1	1.28
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE1	1	1.28
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE2	1	1.28
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE3	1	1.28
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE1	1	1.28
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE2	1	1.28
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE3	1	1.28
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG21	11	1.28
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG22	11	1.28
(1,1957)	1:74:A:VAL:HG11	1:70:A:THR:HG23	11	1.28
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG21	11	1.28
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG22	11	1.28
(1,1957)	1:74:A:VAL:HG12	1:70:A:THR:HG23	11	1.28
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG21	11	1.28
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG22	11	1.28
(1,1957)	1:74:A:VAL:HG13	1:70:A:THR:HG23	11	1.28
(1,1895)	1:142:A:VAL:HB	1:147:A:LEU:HD21	3	1.28
(1,1895)	1:142:A:VAL:HB	1:147:A:LEU:HD22	3	1.28
(1,1895)	1:142:A:VAL:HB	1:147:A:LEU:HD23	3	1.28
(1,1783)	1:75:A:GLY:HA3	1:78:A:LEU:HG	1	1.28
(1,1783)	1:75:A:GLY:HA3	1:78:A:LEU:HG	2	1.28
(1,1783)	1:75:A:GLY:HA3	1:78:A:LEU:HG	20	1.28
(1,1627)	1:129:A:VAL:HG11	1:125:A:TRP:HB3	13	1.28
(1,1627)	1:129:A:VAL:HG12	1:125:A:TRP:HB3	13	1.28
(1,1627)	1:129:A:VAL:HG13	1:125:A:TRP:HB3	13	1.28
(1,1071)	1:66:A:GLN:HE22	1:67:A:PRO:HD3	8	1.28
(1,1062)	1:23:A:SER:HB3	1:22:A:ALA:HA	1	1.28
(1,1062)	1:23:A:SER:HB3	1:22:A:ALA:HA	9	1.28
(1,854)	1:159:A:VAL:HG11	1:32:A:GLU:HA	16	1.28
(1,854)	1:159:A:VAL:HG12	1:32:A:GLU:HA	16	1.28
(1,854)	1:159:A:VAL:HG13	1:32:A:GLU:HA	16	1.28
(1,108)	1:74:A:VAL:HG11	1:73:A:GLN:H	16	1.28
(1,108)	1:74:A:VAL:HG12	1:73:A:GLN:H	16	1.28
(1,108)	1:74:A:VAL:HG13	1:73:A:GLN:H	16	1.28
(1,2582)	1:140:A:LEU:HB3	1:136:A:TYR:HE1	15	1.27
(1,2582)	1:140:A:LEU:HB3	1:136:A:TYR:HE2	15	1.27
(1,1874)	1:65:A:LEU:HD11	1:63:A:LEU:HD11	10	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1874)	1:65:A:LEU:HD11	1:63:A:LEU:HD12	10	1.27
(1,1874)	1:65:A:LEU:HD11	1:63:A:LEU:HD13	10	1.27
(1,1874)	1:65:A:LEU:HD12	1:63:A:LEU:HD11	10	1.27
(1,1874)	1:65:A:LEU:HD12	1:63:A:LEU:HD12	10	1.27
(1,1874)	1:65:A:LEU:HD12	1:63:A:LEU:HD13	10	1.27
(1,1874)	1:65:A:LEU:HD13	1:63:A:LEU:HD11	10	1.27
(1,1874)	1:65:A:LEU:HD13	1:63:A:LEU:HD12	10	1.27
(1,1874)	1:65:A:LEU:HD13	1:63:A:LEU:HD13	10	1.27
(1,1874)	1:65:A:LEU:HD21	1:63:A:LEU:HD11	10	1.27
(1,1874)	1:65:A:LEU:HD21	1:63:A:LEU:HD12	10	1.27
(1,1874)	1:65:A:LEU:HD21	1:63:A:LEU:HD13	10	1.27
(1,1874)	1:65:A:LEU:HD22	1:63:A:LEU:HD11	10	1.27
(1,1874)	1:65:A:LEU:HD22	1:63:A:LEU:HD12	10	1.27
(1,1874)	1:65:A:LEU:HD22	1:63:A:LEU:HD13	10	1.27
(1,1874)	1:65:A:LEU:HD23	1:63:A:LEU:HD11	10	1.27
(1,1874)	1:65:A:LEU:HD23	1:63:A:LEU:HD12	10	1.27
(1,1874)	1:65:A:LEU:HD23	1:63:A:LEU:HD13	10	1.27
(1,1793)	1:35:A:PHE:HE1	1:36:A:ARG:HG3	8	1.27
(1,1793)	1:35:A:PHE:HE2	1:36:A:ARG:HG3	8	1.27
(1,1783)	1:75:A:GLY:HA3	1:78:A:LEU:HG	3	1.27
(1,1783)	1:75:A:GLY:HA3	1:78:A:LEU:HG	6	1.27
(1,1783)	1:75:A:GLY:HA3	1:78:A:LEU:HG	7	1.27
(1,1783)	1:75:A:GLY:HA3	1:78:A:LEU:HG	12	1.27
(1,1783)	1:75:A:GLY:HA3	1:78:A:LEU:HG	15	1.27
(1,1783)	1:75:A:GLY:HA3	1:78:A:LEU:HG	16	1.27
(1,1747)	1:142:A:VAL:H	1:102:A:PRO:HG3	15	1.27
(1,1627)	1:129:A:VAL:HG11	1:125:A:TRP:HB3	20	1.27
(1,1627)	1:129:A:VAL:HG12	1:125:A:TRP:HB3	20	1.27
(1,1627)	1:129:A:VAL:HG13	1:125:A:TRP:HB3	20	1.27
(1,1130)	1:50:A:GLU:HB3	1:51:A:GLY:HA2	9	1.27
(1,1130)	1:50:A:GLU:HB3	1:51:A:GLY:HA2	10	1.27
(1,1130)	1:50:A:GLU:HB3	1:51:A:GLY:HA2	14	1.27
(1,1130)	1:50:A:GLU:HB3	1:51:A:GLY:HA2	17	1.27
(1,1087)	1:47:A:GLN:HE22	1:55:A:PRO:HD3	19	1.27
(1,1020)	1:118:A:LEU:HD21	1:130:A:ALA:HA	14	1.27
(1,1020)	1:118:A:LEU:HD22	1:130:A:ALA:HA	14	1.27
(1,1020)	1:118:A:LEU:HD23	1:130:A:ALA:HA	14	1.27
(1,1012)	1:27:A:VAL:HG11	1:172:A:ALA:HA	9	1.27
(1,1012)	1:27:A:VAL:HG12	1:172:A:ALA:HA	9	1.27
(1,1012)	1:27:A:VAL:HG13	1:172:A:ALA:HA	9	1.27
(1,625)	1:118:A:LEU:HD21	1:128:A:VAL:HA	12	1.27
(1,625)	1:118:A:LEU:HD22	1:128:A:VAL:HA	12	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,625)	1:118:A:LEU:HD23	1:128:A:VAL:HA	12	1.27
(1,593)	1:131:A:LEU:HD21	1:135:A:GLY:H	19	1.27
(1,593)	1:131:A:LEU:HD22	1:135:A:GLY:H	19	1.27
(1,593)	1:131:A:LEU:HD23	1:135:A:GLY:H	19	1.27
(1,108)	1:74:A:VAL:HG11	1:73:A:GLN:H	3	1.27
(1,108)	1:74:A:VAL:HG12	1:73:A:GLN:H	3	1.27
(1,108)	1:74:A:VAL:HG13	1:73:A:GLN:H	3	1.27
(1,108)	1:74:A:VAL:HG11	1:73:A:GLN:H	5	1.27
(1,108)	1:74:A:VAL:HG12	1:73:A:GLN:H	5	1.27
(1,108)	1:74:A:VAL:HG13	1:73:A:GLN:H	5	1.27
(1,90)	1:97:A:LEU:HD21	1:138:A:LEU:H	14	1.27
(1,90)	1:97:A:LEU:HD22	1:138:A:LEU:H	14	1.27
(1,90)	1:97:A:LEU:HD23	1:138:A:LEU:H	14	1.27
(1,2606)	1:42:A:ARG:HD3	1:38:A:TYR:HE1	3	1.26
(1,2606)	1:42:A:ARG:HD3	1:38:A:TYR:HE2	3	1.26
(1,2439)	1:118:A:LEU:HD21	1:134:A:PHE:HE1	9	1.26
(1,2439)	1:118:A:LEU:HD21	1:134:A:PHE:HE2	9	1.26
(1,2439)	1:118:A:LEU:HD22	1:134:A:PHE:HE1	9	1.26
(1,2439)	1:118:A:LEU:HD22	1:134:A:PHE:HE2	9	1.26
(1,2439)	1:118:A:LEU:HD23	1:134:A:PHE:HE1	9	1.26
(1,2439)	1:118:A:LEU:HD23	1:134:A:PHE:HE2	9	1.26
(1,2398)	1:37:A:SER:HB3	1:40:A:PHE:HD1	13	1.26
(1,2398)	1:37:A:SER:HB3	1:40:A:PHE:HD2	13	1.26
(1,2202)	1:97:A:LEU:HD11	1:96:A:MET:HE1	6	1.26
(1,2202)	1:97:A:LEU:HD11	1:96:A:MET:HE2	6	1.26
(1,2202)	1:97:A:LEU:HD11	1:96:A:MET:HE3	6	1.26
(1,2202)	1:97:A:LEU:HD12	1:96:A:MET:HE1	6	1.26
(1,2202)	1:97:A:LEU:HD12	1:96:A:MET:HE2	6	1.26
(1,2202)	1:97:A:LEU:HD12	1:96:A:MET:HE3	6	1.26
(1,2202)	1:97:A:LEU:HD13	1:96:A:MET:HE1	6	1.26
(1,2202)	1:97:A:LEU:HD13	1:96:A:MET:HE2	6	1.26
(1,2202)	1:97:A:LEU:HD13	1:96:A:MET:HE3	6	1.26
(1,1783)	1:75:A:GLY:HA3	1:78:A:LEU:HG	4	1.26
(1,1783)	1:75:A:GLY:HA3	1:78:A:LEU:HG	5	1.26
(1,1783)	1:75:A:GLY:HA3	1:78:A:LEU:HG	8	1.26
(1,1783)	1:75:A:GLY:HA3	1:78:A:LEU:HG	9	1.26
(1,1783)	1:75:A:GLY:HA3	1:78:A:LEU:HG	10	1.26
(1,1783)	1:75:A:GLY:HA3	1:78:A:LEU:HG	13	1.26
(1,1783)	1:75:A:GLY:HA3	1:78:A:LEU:HG	14	1.26
(1,1783)	1:75:A:GLY:HA3	1:78:A:LEU:HG	17	1.26
(1,1750)	1:142:A:VAL:HG21	1:102:A:PRO:HG3	18	1.26
(1,1750)	1:142:A:VAL:HG22	1:102:A:PRO:HG3	18	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1750)	1:142:A:VAL:HG23	1:102:A:PRO:HG3	18	1.26
(1,1627)	1:129:A:VAL:HG11	1:125:A:TRP:HB3	19	1.26
(1,1627)	1:129:A:VAL:HG12	1:125:A:TRP:HB3	19	1.26
(1,1627)	1:129:A:VAL:HG13	1:125:A:TRP:HB3	19	1.26
(1,1570)	1:159:A:VAL:HG11	1:158:A:VAL:HB	1	1.26
(1,1570)	1:159:A:VAL:HG12	1:158:A:VAL:HB	1	1.26
(1,1570)	1:159:A:VAL:HG13	1:158:A:VAL:HB	1	1.26
(1,1151)	1:27:A:VAL:HG11	1:176:A:GLY:HA3	13	1.26
(1,1151)	1:27:A:VAL:HG12	1:176:A:GLY:HA3	13	1.26
(1,1151)	1:27:A:VAL:HG13	1:176:A:GLY:HA3	13	1.26
(1,1062)	1:23:A:SER:HB3	1:22:A:ALA:HA	10	1.26
(1,1012)	1:27:A:VAL:HG11	1:172:A:ALA:HA	16	1.26
(1,1012)	1:27:A:VAL:HG12	1:172:A:ALA:HA	16	1.26
(1,1012)	1:27:A:VAL:HG13	1:172:A:ALA:HA	16	1.26
(1,618)	1:113:A:LYS:HG3	1:116:A:THR:HB	10	1.26
(1,593)	1:131:A:LEU:HD21	1:135:A:GLY:H	7	1.26
(1,593)	1:131:A:LEU:HD22	1:135:A:GLY:H	7	1.26
(1,593)	1:131:A:LEU:HD23	1:135:A:GLY:H	7	1.26
(1,239)	1:98:A:GLN:HB3	1:97:A:LEU:H	7	1.26
(1,239)	1:98:A:GLN:HB3	1:97:A:LEU:H	11	1.26
(1,2356)	1:37:A:SER:HB3	1:41:A:TYR:HD1	3	1.25
(1,2356)	1:37:A:SER:HB3	1:41:A:TYR:HD2	3	1.25
(1,2318)	1:84:A:ASP:HB3	1:85:A:ILE:HD11	10	1.25
(1,2318)	1:84:A:ASP:HB3	1:85:A:ILE:HD12	10	1.25
(1,2318)	1:84:A:ASP:HB3	1:85:A:ILE:HD13	10	1.25
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG21	12	1.25
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG22	12	1.25
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG23	12	1.25
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG11	10	1.25
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG12	10	1.25
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG13	10	1.25
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG11	11	1.25
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG12	11	1.25
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG13	11	1.25
(1,1783)	1:75:A:GLY:HA3	1:78:A:LEU:HG	11	1.25
(1,1783)	1:75:A:GLY:HA3	1:78:A:LEU:HG	19	1.25
(1,1570)	1:159:A:VAL:HG11	1:158:A:VAL:HB	18	1.25
(1,1570)	1:159:A:VAL:HG12	1:158:A:VAL:HB	18	1.25
(1,1570)	1:159:A:VAL:HG13	1:158:A:VAL:HB	18	1.25
(1,1497)	1:150:A:PHE:HB3	1:153:A:GLN:HG3	9	1.25
(1,1350)	1:179:A:ALA:HB1	1:182:A:ASN:HB3	4	1.25
(1,1350)	1:179:A:ALA:HB2	1:182:A:ASN:HB3	4	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1350)	1:179:A:ALA:HB3	1:182:A:ASN:HB3	4	1.25
(1,1350)	1:179:A:ALA:HB1	1:182:A:ASN:HB3	6	1.25
(1,1350)	1:179:A:ALA:HB2	1:182:A:ASN:HB3	6	1.25
(1,1350)	1:179:A:ALA:HB3	1:182:A:ASN:HB3	6	1.25
(1,1071)	1:66:A:GLN:HE22	1:67:A:PRO:HD3	7	1.25
(1,1033)	1:118:A:LEU:HD21	1:115:A:ALA:HA	19	1.25
(1,1033)	1:118:A:LEU:HD22	1:115:A:ALA:HA	19	1.25
(1,1033)	1:118:A:LEU:HD23	1:115:A:ALA:HA	19	1.25
(1,1012)	1:27:A:VAL:HG11	1:172:A:ALA:HA	17	1.25
(1,1012)	1:27:A:VAL:HG12	1:172:A:ALA:HA	17	1.25
(1,1012)	1:27:A:VAL:HG13	1:172:A:ALA:HA	17	1.25
(1,239)	1:98:A:GLN:HB3	1:97:A:LEU:H	1	1.25
(1,139)	1:131:A:LEU:HD21	1:115:A:ALA:H	19	1.25
(1,139)	1:131:A:LEU:HD22	1:115:A:ALA:H	19	1.25
(1,139)	1:131:A:LEU:HD23	1:115:A:ALA:H	19	1.25
(1,2921)	2:92:B:MK8:HB1A	2:95:B:ASP:HB3	7	1.24
(1,2921)	2:92:B:MK8:HB1B	2:95:B:ASP:HB3	7	1.24
(1,2921)	2:92:B:MK8:HB1A	2:95:B:ASP:HB3	13	1.24
(1,2921)	2:92:B:MK8:HB1B	2:95:B:ASP:HB3	13	1.24
(1,2430)	1:118:A:LEU:HD21	1:134:A:PHE:HD1	3	1.24
(1,2430)	1:118:A:LEU:HD21	1:134:A:PHE:HD2	3	1.24
(1,2430)	1:118:A:LEU:HD22	1:134:A:PHE:HD1	3	1.24
(1,2430)	1:118:A:LEU:HD22	1:134:A:PHE:HD2	3	1.24
(1,2430)	1:118:A:LEU:HD23	1:134:A:PHE:HD1	3	1.24
(1,2430)	1:118:A:LEU:HD23	1:134:A:PHE:HD2	3	1.24
(1,2398)	1:37:A:SER:HB3	1:40:A:PHE:HD1	6	1.24
(1,2398)	1:37:A:SER:HB3	1:40:A:PHE:HD2	6	1.24
(1,1850)	1:39:A:VAL:HG21	1:63:A:LEU:HD21	3	1.24
(1,1850)	1:39:A:VAL:HG21	1:63:A:LEU:HD22	3	1.24
(1,1850)	1:39:A:VAL:HG21	1:63:A:LEU:HD23	3	1.24
(1,1850)	1:39:A:VAL:HG22	1:63:A:LEU:HD21	3	1.24
(1,1850)	1:39:A:VAL:HG22	1:63:A:LEU:HD22	3	1.24
(1,1850)	1:39:A:VAL:HG22	1:63:A:LEU:HD23	3	1.24
(1,1850)	1:39:A:VAL:HG23	1:63:A:LEU:HD21	3	1.24
(1,1850)	1:39:A:VAL:HG23	1:63:A:LEU:HD22	3	1.24
(1,1850)	1:39:A:VAL:HG23	1:63:A:LEU:HD23	3	1.24
(1,1747)	1:142:A:VAL:H	1:102:A:PRO:HG3	3	1.24
(1,1746)	1:86:A:ASN:HB3	1:87:A:ARG:HG3	12	1.24
(1,1675)	1:84:A:ASP:HB3	1:85:A:ILE:HG13	3	1.24
(1,1062)	1:23:A:SER:HB3	1:22:A:ALA:HA	4	1.24
(1,1020)	1:118:A:LEU:HD21	1:130:A:ALA:HA	6	1.24
(1,1020)	1:118:A:LEU:HD22	1:130:A:ALA:HA	6	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1020)	1:118:A:LEU:HD23	1:130:A:ALA:HA	6	1.24
(1,921)	1:98:A:GLN:HE22	1:98:A:GLN:HA	7	1.24
(1,625)	1:118:A:LEU:HD21	1:128:A:VAL:HA	3	1.24
(1,625)	1:118:A:LEU:HD22	1:128:A:VAL:HA	3	1.24
(1,625)	1:118:A:LEU:HD23	1:128:A:VAL:HA	3	1.24
(1,528)	1:55:A:PRO:HD3	1:47:A:GLN:HE21	8	1.24
(1,108)	1:74:A:VAL:HG11	1:73:A:GLN:H	7	1.24
(1,108)	1:74:A:VAL:HG12	1:73:A:GLN:H	7	1.24
(1,108)	1:74:A:VAL:HG13	1:73:A:GLN:H	7	1.24
(1,108)	1:74:A:VAL:HG11	1:73:A:GLN:H	8	1.24
(1,108)	1:74:A:VAL:HG12	1:73:A:GLN:H	8	1.24
(1,108)	1:74:A:VAL:HG13	1:73:A:GLN:H	8	1.24
(1,108)	1:74:A:VAL:HG11	1:73:A:GLN:H	12	1.24
(1,108)	1:74:A:VAL:HG12	1:73:A:GLN:H	12	1.24
(1,108)	1:74:A:VAL:HG13	1:73:A:GLN:H	12	1.24
(1,90)	1:97:A:LEU:HD21	1:138:A:LEU:H	16	1.24
(1,90)	1:97:A:LEU:HD22	1:138:A:LEU:H	16	1.24
(1,90)	1:97:A:LEU:HD23	1:138:A:LEU:H	16	1.24
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD11	15	1.23
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD12	15	1.23
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD13	15	1.23
(1,2939)	2:99:B:ARG:HG3	2:100:B:SER:H	20	1.23
(1,2430)	1:118:A:LEU:HD21	1:134:A:PHE:HD1	6	1.23
(1,2430)	1:118:A:LEU:HD21	1:134:A:PHE:HD2	6	1.23
(1,2430)	1:118:A:LEU:HD22	1:134:A:PHE:HD1	6	1.23
(1,2430)	1:118:A:LEU:HD22	1:134:A:PHE:HD2	6	1.23
(1,2430)	1:118:A:LEU:HD23	1:134:A:PHE:HD1	6	1.23
(1,2430)	1:118:A:LEU:HD23	1:134:A:PHE:HD2	6	1.23
(1,2430)	1:118:A:LEU:HD21	1:134:A:PHE:HD1	12	1.23
(1,2430)	1:118:A:LEU:HD21	1:134:A:PHE:HD2	12	1.23
(1,2430)	1:118:A:LEU:HD22	1:134:A:PHE:HD1	12	1.23
(1,2430)	1:118:A:LEU:HD22	1:134:A:PHE:HD2	12	1.23
(1,2430)	1:118:A:LEU:HD23	1:134:A:PHE:HD1	12	1.23
(1,2430)	1:118:A:LEU:HD23	1:134:A:PHE:HD2	12	1.23
(1,2398)	1:37:A:SER:HB3	1:40:A:PHE:HD1	17	1.23
(1,2398)	1:37:A:SER:HB3	1:40:A:PHE:HD2	17	1.23
(1,2318)	1:84:A:ASP:HB3	1:85:A:ILE:HD11	5	1.23
(1,2318)	1:84:A:ASP:HB3	1:85:A:ILE:HD12	5	1.23
(1,2318)	1:84:A:ASP:HB3	1:85:A:ILE:HD13	5	1.23
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG11	3	1.23
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG12	3	1.23
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG13	3	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1983)	1:36:A:ARG:HG3	1:39:A:VAL:HG21	5	1.23
(1,1983)	1:36:A:ARG:HG3	1:39:A:VAL:HG22	5	1.23
(1,1983)	1:36:A:ARG:HG3	1:39:A:VAL:HG23	5	1.23
(1,1750)	1:142:A:VAL:HG21	1:102:A:PRO:HG3	9	1.23
(1,1750)	1:142:A:VAL:HG22	1:102:A:PRO:HG3	9	1.23
(1,1750)	1:142:A:VAL:HG23	1:102:A:PRO:HG3	9	1.23
(1,1682)	1:163:A:LEU:HB3	1:164:A:HIS:HB3	15	1.23
(1,1660)	1:47:A:GLN:HE21	1:46:A:GLU:HB3	9	1.23
(1,1570)	1:159:A:VAL:HG11	1:158:A:VAL:HB	3	1.23
(1,1570)	1:159:A:VAL:HG12	1:158:A:VAL:HB	3	1.23
(1,1570)	1:159:A:VAL:HG13	1:158:A:VAL:HB	3	1.23
(1,1570)	1:159:A:VAL:HG11	1:158:A:VAL:HB	7	1.23
(1,1570)	1:159:A:VAL:HG12	1:158:A:VAL:HB	7	1.23
(1,1570)	1:159:A:VAL:HG13	1:158:A:VAL:HB	7	1.23
(1,1570)	1:159:A:VAL:HG11	1:158:A:VAL:HB	11	1.23
(1,1570)	1:159:A:VAL:HG12	1:158:A:VAL:HB	11	1.23
(1,1570)	1:159:A:VAL:HG13	1:158:A:VAL:HB	11	1.23
(1,1249)	1:86:A:ASN:HD22	1:42:A:ARG:HD3	2	1.23
(1,593)	1:131:A:LEU:HD21	1:135:A:GLY:H	15	1.23
(1,593)	1:131:A:LEU:HD22	1:135:A:GLY:H	15	1.23
(1,593)	1:131:A:LEU:HD23	1:135:A:GLY:H	15	1.23
(1,543)	1:181:A:LEU:HD11	1:73:A:GLN:HE21	9	1.23
(1,543)	1:181:A:LEU:HD12	1:73:A:GLN:HE21	9	1.23
(1,543)	1:181:A:LEU:HD13	1:73:A:GLN:HE21	9	1.23
(1,239)	1:98:A:GLN:HB3	1:97:A:LEU:H	9	1.23
(1,74)	1:63:A:LEU:HD11	1:65:A:LEU:H	10	1.23
(1,74)	1:63:A:LEU:HD12	1:65:A:LEU:H	10	1.23
(1,74)	1:63:A:LEU:HD13	1:65:A:LEU:H	10	1.23
(1,2939)	2:99:B:ARG:HG3	2:100:B:SER:H	14	1.22
(1,2939)	2:99:B:ARG:HG3	2:100:B:SER:H	19	1.22
(1,2805)	2:81:B:ASP:HA	2:84:B:ARG:HB3	18	1.22
(1,2462)	1:118:A:LEU:HD21	1:119:A:PHE:HE1	19	1.22
(1,2462)	1:118:A:LEU:HD21	1:119:A:PHE:HE2	19	1.22
(1,2462)	1:118:A:LEU:HD22	1:119:A:PHE:HE1	19	1.22
(1,2462)	1:118:A:LEU:HD22	1:119:A:PHE:HE2	19	1.22
(1,2462)	1:118:A:LEU:HD23	1:119:A:PHE:HE1	19	1.22
(1,2462)	1:118:A:LEU:HD23	1:119:A:PHE:HE2	19	1.22
(1,2356)	1:37:A:SER:HB3	1:41:A:TYR:HD1	20	1.22
(1,2356)	1:37:A:SER:HB3	1:41:A:TYR:HD2	20	1.22
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG21	3	1.22
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG22	3	1.22
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG23	3	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE1	11	1.22
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE2	11	1.22
(1,2085)	1:34:A:VAL:HG11	1:71:A:MET:HE3	11	1.22
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE1	11	1.22
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE2	11	1.22
(1,2085)	1:34:A:VAL:HG12	1:71:A:MET:HE3	11	1.22
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE1	11	1.22
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE2	11	1.22
(1,2085)	1:34:A:VAL:HG13	1:71:A:MET:HE3	11	1.22
(1,2051)	1:184:A:GLY:H	1:183:A:LEU:HD11	18	1.22
(1,2051)	1:184:A:GLY:H	1:183:A:LEU:HD12	18	1.22
(1,2051)	1:184:A:GLY:H	1:183:A:LEU:HD13	18	1.22
(1,1746)	1:86:A:ASN:HB3	1:87:A:ARG:HG3	7	1.22
(1,1570)	1:159:A:VAL:HG11	1:158:A:VAL:HB	14	1.22
(1,1570)	1:159:A:VAL:HG12	1:158:A:VAL:HB	14	1.22
(1,1570)	1:159:A:VAL:HG13	1:158:A:VAL:HB	14	1.22
(1,1419)	1:116:A:THR:HA	1:120:A:GLU:HG3	7	1.22
(1,1151)	1:27:A:VAL:HG11	1:176:A:GLY:HA3	17	1.22
(1,1151)	1:27:A:VAL:HG12	1:176:A:GLY:HA3	17	1.22
(1,1151)	1:27:A:VAL:HG13	1:176:A:GLY:HA3	17	1.22
(1,404)	1:34:A:VAL:HG21	1:78:A:LEU:H	1	1.22
(1,404)	1:34:A:VAL:HG22	1:78:A:LEU:H	1	1.22
(1,404)	1:34:A:VAL:HG23	1:78:A:LEU:H	1	1.22
(1,108)	1:74:A:VAL:HG11	1:73:A:GLN:H	1	1.22
(1,108)	1:74:A:VAL:HG12	1:73:A:GLN:H	1	1.22
(1,108)	1:74:A:VAL:HG13	1:73:A:GLN:H	1	1.22
(1,2921)	2:92:B:MK8:HB1A	2:95:B:ASP:HB3	11	1.21
(1,2921)	2:92:B:MK8:HB1B	2:95:B:ASP:HB3	11	1.21
(1,1847)	1:40:A:PHE:H	1:63:A:LEU:HD21	4	1.21
(1,1847)	1:40:A:PHE:H	1:63:A:LEU:HD22	4	1.21
(1,1847)	1:40:A:PHE:H	1:63:A:LEU:HD23	4	1.21
(1,1747)	1:142:A:VAL:H	1:102:A:PRO:HG3	1	1.21
(1,1570)	1:159:A:VAL:HG11	1:158:A:VAL:HB	8	1.21
(1,1570)	1:159:A:VAL:HG12	1:158:A:VAL:HB	8	1.21
(1,1570)	1:159:A:VAL:HG13	1:158:A:VAL:HB	8	1.21
(1,1570)	1:159:A:VAL:HG11	1:158:A:VAL:HB	15	1.21
(1,1570)	1:159:A:VAL:HG12	1:158:A:VAL:HB	15	1.21
(1,1570)	1:159:A:VAL:HG13	1:158:A:VAL:HB	15	1.21
(1,1570)	1:159:A:VAL:HG11	1:158:A:VAL:HB	17	1.21
(1,1570)	1:159:A:VAL:HG12	1:158:A:VAL:HB	17	1.21
(1,1570)	1:159:A:VAL:HG13	1:158:A:VAL:HB	17	1.21
(1,1151)	1:27:A:VAL:HG11	1:176:A:GLY:HA3	16	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1151)	1:27:A:VAL:HG12	1:176:A:GLY:HA3	16	1.21
(1,1151)	1:27:A:VAL:HG13	1:176:A:GLY:HA3	16	1.21
(1,1129)	1:155:A:THR:HG21	1:152:A:GLY:HA3	7	1.21
(1,1129)	1:155:A:THR:HG22	1:152:A:GLY:HA3	7	1.21
(1,1129)	1:155:A:THR:HG23	1:152:A:GLY:HA3	7	1.21
(1,1103)	1:39:A:VAL:HG11	1:133:A:GLY:HA2	2	1.21
(1,1103)	1:39:A:VAL:HG11	1:133:A:GLY:HA3	2	1.21
(1,1103)	1:39:A:VAL:HG12	1:133:A:GLY:HA2	2	1.21
(1,1103)	1:39:A:VAL:HG12	1:133:A:GLY:HA3	2	1.21
(1,1103)	1:39:A:VAL:HG13	1:133:A:GLY:HA2	2	1.21
(1,1103)	1:39:A:VAL:HG13	1:133:A:GLY:HA3	2	1.21
(1,1062)	1:23:A:SER:HB3	1:22:A:ALA:HA	19	1.21
(1,1012)	1:27:A:VAL:HG11	1:172:A:ALA:HA	4	1.21
(1,1012)	1:27:A:VAL:HG12	1:172:A:ALA:HA	4	1.21
(1,1012)	1:27:A:VAL:HG13	1:172:A:ALA:HA	4	1.21
(1,921)	1:98:A:GLN:HE22	1:98:A:GLN:HA	20	1.21
(1,653)	1:73:A:GLN:HG3	1:70:A:THR:HA	10	1.21
(1,593)	1:131:A:LEU:HD21	1:135:A:GLY:H	5	1.21
(1,593)	1:131:A:LEU:HD22	1:135:A:GLY:H	5	1.21
(1,593)	1:131:A:LEU:HD23	1:135:A:GLY:H	5	1.21
(1,593)	1:131:A:LEU:HD21	1:135:A:GLY:H	12	1.21
(1,593)	1:131:A:LEU:HD22	1:135:A:GLY:H	12	1.21
(1,593)	1:131:A:LEU:HD23	1:135:A:GLY:H	12	1.21
(1,108)	1:74:A:VAL:HG11	1:73:A:GLN:H	9	1.21
(1,108)	1:74:A:VAL:HG12	1:73:A:GLN:H	9	1.21
(1,108)	1:74:A:VAL:HG13	1:73:A:GLN:H	9	1.21
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD11	11	1.2
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD12	11	1.2
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD13	11	1.2
(1,2791)	2:81:B:ASP:HA	2:84:B:ARG:HD3	9	1.2
(1,2483)	1:147:A:LEU:HD21	1:150:A:PHE:HZ	6	1.2
(1,2483)	1:147:A:LEU:HD22	1:150:A:PHE:HZ	6	1.2
(1,2483)	1:147:A:LEU:HD23	1:150:A:PHE:HZ	6	1.2
(1,2356)	1:37:A:SER:HB3	1:41:A:TYR:HD1	9	1.2
(1,2356)	1:37:A:SER:HB3	1:41:A:TYR:HD2	9	1.2
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD11	15	1.2
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD12	15	1.2
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD13	15	1.2
(1,1675)	1:84:A:ASP:HB3	1:85:A:ILE:HG13	15	1.2
(1,1627)	1:129:A:VAL:HG11	1:125:A:TRP:HB3	9	1.2
(1,1627)	1:129:A:VAL:HG12	1:125:A:TRP:HB3	9	1.2
(1,1627)	1:129:A:VAL:HG13	1:125:A:TRP:HB3	9	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1570)	1:159:A:VAL:HG11	1:158:A:VAL:HB	19	1.2
(1,1570)	1:159:A:VAL:HG12	1:158:A:VAL:HB	19	1.2
(1,1570)	1:159:A:VAL:HG13	1:158:A:VAL:HB	19	1.2
(1,1151)	1:27:A:VAL:HG11	1:176:A:GLY:HA3	19	1.2
(1,1151)	1:27:A:VAL:HG12	1:176:A:GLY:HA3	19	1.2
(1,1151)	1:27:A:VAL:HG13	1:176:A:GLY:HA3	19	1.2
(1,1062)	1:23:A:SER:HB3	1:22:A:ALA:HA	8	1.2
(1,1062)	1:23:A:SER:HB3	1:22:A:ALA:HA	12	1.2
(1,1012)	1:27:A:VAL:HG11	1:172:A:ALA:HA	2	1.2
(1,1012)	1:27:A:VAL:HG12	1:172:A:ALA:HA	2	1.2
(1,1012)	1:27:A:VAL:HG13	1:172:A:ALA:HA	2	1.2
(1,625)	1:118:A:LEU:HD21	1:128:A:VAL:HA	17	1.2
(1,625)	1:118:A:LEU:HD22	1:128:A:VAL:HA	17	1.2
(1,625)	1:118:A:LEU:HD23	1:128:A:VAL:HA	17	1.2
(1,593)	1:131:A:LEU:HD21	1:135:A:GLY:H	10	1.2
(1,593)	1:131:A:LEU:HD22	1:135:A:GLY:H	10	1.2
(1,593)	1:131:A:LEU:HD23	1:135:A:GLY:H	10	1.2
(1,543)	1:181:A:LEU:HD11	1:73:A:GLN:HE21	11	1.2
(1,543)	1:181:A:LEU:HD12	1:73:A:GLN:HE21	11	1.2
(1,543)	1:181:A:LEU:HD13	1:73:A:GLN:HE21	11	1.2
(1,2939)	2:99:B:ARG:HG3	2:100:B:SER:H	5	1.19
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG21	18	1.19
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG22	18	1.19
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG23	18	1.19
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG11	13	1.19
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG12	13	1.19
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG13	13	1.19
(1,1747)	1:142:A:VAL:H	1:102:A:PRO:HG3	13	1.19
(1,1746)	1:86:A:ASN:HB3	1:87:A:ARG:HG3	10	1.19
(1,1071)	1:66:A:GLN:HE22	1:67:A:PRO:HD3	20	1.19
(1,1062)	1:23:A:SER:HB3	1:22:A:ALA:HA	2	1.19
(1,1062)	1:23:A:SER:HB3	1:22:A:ALA:HA	15	1.19
(1,1062)	1:23:A:SER:HB3	1:22:A:ALA:HA	18	1.19
(1,1012)	1:27:A:VAL:HG11	1:172:A:ALA:HA	14	1.19
(1,1012)	1:27:A:VAL:HG12	1:172:A:ALA:HA	14	1.19
(1,1012)	1:27:A:VAL:HG13	1:172:A:ALA:HA	14	1.19
(1,1012)	1:27:A:VAL:HG11	1:172:A:ALA:HA	19	1.19
(1,1012)	1:27:A:VAL:HG12	1:172:A:ALA:HA	19	1.19
(1,1012)	1:27:A:VAL:HG13	1:172:A:ALA:HA	19	1.19
(1,921)	1:98:A:GLN:HE22	1:98:A:GLN:HA	6	1.19
(1,921)	1:98:A:GLN:HE22	1:98:A:GLN:HA	8	1.19
(1,593)	1:131:A:LEU:HD21	1:135:A:GLY:H	3	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,593)	1:131:A:LEU:HD22	1:135:A:GLY:H	3	1.19
(1,593)	1:131:A:LEU:HD23	1:135:A:GLY:H	3	1.19
(1,513)	1:150:A:PHE:HA	1:153:A:GLN:HE22	11	1.19
(1,268)	1:50:A:GLU:HB3	1:52:A:VAL:H	10	1.19
(1,90)	1:97:A:LEU:HD21	1:138:A:LEU:H	13	1.19
(1,90)	1:97:A:LEU:HD22	1:138:A:LEU:H	13	1.19
(1,90)	1:97:A:LEU:HD23	1:138:A:LEU:H	13	1.19
(1,2902)	2:87:B:ALA:HA	2:90:B:LEU:HB3	1	1.18
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD11	18	1.18
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD12	18	1.18
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD13	18	1.18
(1,1867)	1:73:A:GLN:HG3	1:181:A:LEU:HD11	15	1.18
(1,1867)	1:73:A:GLN:HG3	1:181:A:LEU:HD12	15	1.18
(1,1867)	1:73:A:GLN:HG3	1:181:A:LEU:HD13	15	1.18
(1,1747)	1:142:A:VAL:H	1:102:A:PRO:HG3	14	1.18
(1,1747)	1:142:A:VAL:H	1:102:A:PRO:HG3	17	1.18
(1,1497)	1:150:A:PHE:HB3	1:153:A:GLN:HG3	2	1.18
(1,1419)	1:116:A:THR:HA	1:120:A:GLU:HG3	19	1.18
(1,1071)	1:66:A:GLN:HE22	1:67:A:PRO:HD3	15	1.18
(1,1062)	1:23:A:SER:HB3	1:22:A:ALA:HA	7	1.18
(1,1062)	1:23:A:SER:HB3	1:22:A:ALA:HA	13	1.18
(1,1012)	1:27:A:VAL:HG11	1:172:A:ALA:HA	5	1.18
(1,1012)	1:27:A:VAL:HG12	1:172:A:ALA:HA	5	1.18
(1,1012)	1:27:A:VAL:HG13	1:172:A:ALA:HA	5	1.18
(1,921)	1:98:A:GLN:HE22	1:98:A:GLN:HA	16	1.18
(1,625)	1:118:A:LEU:HD21	1:128:A:VAL:HA	4	1.18
(1,625)	1:118:A:LEU:HD22	1:128:A:VAL:HA	4	1.18
(1,625)	1:118:A:LEU:HD23	1:128:A:VAL:HA	4	1.18
(1,513)	1:150:A:PHE:HA	1:153:A:GLN:HE22	13	1.18
(1,513)	1:150:A:PHE:HA	1:153:A:GLN:HE22	16	1.18
(1,239)	1:98:A:GLN:HB3	1:97:A:LEU:H	10	1.18
(1,108)	1:74:A:VAL:HG11	1:73:A:GLN:H	20	1.18
(1,108)	1:74:A:VAL:HG12	1:73:A:GLN:H	20	1.18
(1,108)	1:74:A:VAL:HG13	1:73:A:GLN:H	20	1.18
(1,3097)	1:126:A:GLY:H	2:101:B:ILE:HG13	7	1.17
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD11	13	1.17
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD12	13	1.17
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD13	13	1.17
(1,2582)	1:140:A:LEU:HB3	1:136:A:TYR:HE1	8	1.17
(1,2582)	1:140:A:LEU:HB3	1:136:A:TYR:HE2	8	1.17
(1,2466)	1:109:A:GLU:HG3	1:110:A:TYR:HD1	19	1.17
(1,2466)	1:109:A:GLU:HG3	1:110:A:TYR:HD2	19	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD11	1	1.17
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD12	1	1.17
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD13	1	1.17
(1,1872)	1:64:A:PRO:HD3	1:63:A:LEU:HD11	4	1.17
(1,1872)	1:64:A:PRO:HD3	1:63:A:LEU:HD12	4	1.17
(1,1872)	1:64:A:PRO:HD3	1:63:A:LEU:HD13	4	1.17
(1,1682)	1:163:A:LEU:HB3	1:164:A:HIS:HB3	3	1.17
(1,1627)	1:129:A:VAL:HG11	1:125:A:TRP:HB3	5	1.17
(1,1627)	1:129:A:VAL:HG12	1:125:A:TRP:HB3	5	1.17
(1,1627)	1:129:A:VAL:HG13	1:125:A:TRP:HB3	5	1.17
(1,1477)	1:28:A:ALA:HB1	1:29:A:GLN:HG3	6	1.17
(1,1477)	1:28:A:ALA:HB2	1:29:A:GLN:HG3	6	1.17
(1,1477)	1:28:A:ALA:HB3	1:29:A:GLN:HG3	6	1.17
(1,1130)	1:50:A:GLU:HB3	1:51:A:GLY:HA2	8	1.17
(1,1103)	1:39:A:VAL:HG11	1:133:A:GLY:HA2	20	1.17
(1,1103)	1:39:A:VAL:HG11	1:133:A:GLY:HA3	20	1.17
(1,1103)	1:39:A:VAL:HG12	1:133:A:GLY:HA2	20	1.17
(1,1103)	1:39:A:VAL:HG12	1:133:A:GLY:HA3	20	1.17
(1,1103)	1:39:A:VAL:HG13	1:133:A:GLY:HA2	20	1.17
(1,1103)	1:39:A:VAL:HG13	1:133:A:GLY:HA3	20	1.17
(1,1012)	1:27:A:VAL:HG11	1:172:A:ALA:HA	8	1.17
(1,1012)	1:27:A:VAL:HG12	1:172:A:ALA:HA	8	1.17
(1,1012)	1:27:A:VAL:HG13	1:172:A:ALA:HA	8	1.17
(1,921)	1:98:A:GLN:HE22	1:98:A:GLN:HA	3	1.17
(1,854)	1:159:A:VAL:HG11	1:32:A:GLU:HA	9	1.17
(1,854)	1:159:A:VAL:HG12	1:32:A:GLU:HA	9	1.17
(1,854)	1:159:A:VAL:HG13	1:32:A:GLU:HA	9	1.17
(1,841)	1:97:A:LEU:HD11	1:93:A:PHE:HA	15	1.17
(1,841)	1:97:A:LEU:HD12	1:93:A:PHE:HA	15	1.17
(1,841)	1:97:A:LEU:HD13	1:93:A:PHE:HA	15	1.17
(1,653)	1:73:A:GLN:HG3	1:70:A:THR:HA	5	1.17
(1,653)	1:73:A:GLN:HG3	1:70:A:THR:HA	13	1.17
(1,268)	1:50:A:GLU:HB3	1:52:A:VAL:H	9	1.17
(1,108)	1:74:A:VAL:HG11	1:73:A:GLN:H	6	1.17
(1,108)	1:74:A:VAL:HG12	1:73:A:GLN:H	6	1.17
(1,108)	1:74:A:VAL:HG13	1:73:A:GLN:H	6	1.17
(1,3031)	1:118:A:LEU:HD11	2:91:B:ALA:HA	9	1.16
(1,3031)	1:118:A:LEU:HD12	2:91:B:ALA:HA	9	1.16
(1,3031)	1:118:A:LEU:HD13	2:91:B:ALA:HA	9	1.16
(1,2398)	1:37:A:SER:HB3	1:40:A:PHE:HD1	16	1.16
(1,2398)	1:37:A:SER:HB3	1:40:A:PHE:HD2	16	1.16
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG21	7	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG22	7	1.16
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG23	7	1.16
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD11	20	1.16
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD12	20	1.16
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD13	20	1.16
(1,1570)	1:159:A:VAL:HG11	1:158:A:VAL:HB	4	1.16
(1,1570)	1:159:A:VAL:HG12	1:158:A:VAL:HB	4	1.16
(1,1570)	1:159:A:VAL:HG13	1:158:A:VAL:HB	4	1.16
(1,1071)	1:66:A:GLN:HE22	1:67:A:PRO:HD3	17	1.16
(1,239)	1:98:A:GLN:HB3	1:97:A:LEU:H	5	1.16
(1,178)	1:118:A:LEU:HD21	1:131:A:LEU:H	4	1.16
(1,178)	1:118:A:LEU:HD22	1:131:A:LEU:H	4	1.16
(1,178)	1:118:A:LEU:HD23	1:131:A:LEU:H	4	1.16
(1,178)	1:118:A:LEU:HD21	1:131:A:LEU:H	6	1.16
(1,178)	1:118:A:LEU:HD22	1:131:A:LEU:H	6	1.16
(1,178)	1:118:A:LEU:HD23	1:131:A:LEU:H	6	1.16
(1,178)	1:118:A:LEU:HD21	1:131:A:LEU:H	19	1.16
(1,178)	1:118:A:LEU:HD22	1:131:A:LEU:H	19	1.16
(1,178)	1:118:A:LEU:HD23	1:131:A:LEU:H	19	1.16
(1,21)	1:21:A:SER:HB3	1:22:A:ALA:H	20	1.16
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD11	18	1.15
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD12	18	1.15
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD13	18	1.15
(1,2939)	2:99:B:ARG:HG3	2:100:B:SER:H	6	1.15
(1,2395)	1:142:A:VAL:HG11	1:150:A:PHE:HD1	16	1.15
(1,2395)	1:142:A:VAL:HG11	1:150:A:PHE:HD2	16	1.15
(1,2395)	1:142:A:VAL:HG12	1:150:A:PHE:HD1	16	1.15
(1,2395)	1:142:A:VAL:HG12	1:150:A:PHE:HD2	16	1.15
(1,2395)	1:142:A:VAL:HG13	1:150:A:PHE:HD1	16	1.15
(1,2395)	1:142:A:VAL:HG13	1:150:A:PHE:HD2	16	1.15
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG21	14	1.15
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG22	14	1.15
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG23	14	1.15
(1,1750)	1:142:A:VAL:HG21	1:102:A:PRO:HG3	11	1.15
(1,1750)	1:142:A:VAL:HG22	1:102:A:PRO:HG3	11	1.15
(1,1750)	1:142:A:VAL:HG23	1:102:A:PRO:HG3	11	1.15
(1,1682)	1:163:A:LEU:HB3	1:164:A:HIS:HB3	8	1.15
(1,1570)	1:159:A:VAL:HG11	1:158:A:VAL:HB	13	1.15
(1,1570)	1:159:A:VAL:HG12	1:158:A:VAL:HB	13	1.15
(1,1570)	1:159:A:VAL:HG13	1:158:A:VAL:HB	13	1.15
(1,1419)	1:116:A:THR:HA	1:120:A:GLU:HG3	3	1.15
(1,1062)	1:23:A:SER:HB3	1:22:A:ALA:HA	3	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,239)	1:98:A:GLN:HB3	1:97:A:LEU:H	19	1.15
(1,2398)	1:37:A:SER:HB3	1:40:A:PHE:HD1	19	1.14
(1,2398)	1:37:A:SER:HB3	1:40:A:PHE:HD2	19	1.14
(1,2398)	1:37:A:SER:HB3	1:40:A:PHE:HD1	20	1.14
(1,2398)	1:37:A:SER:HB3	1:40:A:PHE:HD2	20	1.14
(1,2345)	1:163:A:LEU:HB3	1:164:A:HIS:HE1	2	1.14
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG21	1	1.14
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG22	1	1.14
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG23	1	1.14
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG21	7	1.14
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG22	7	1.14
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG23	7	1.14
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG21	11	1.14
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG22	11	1.14
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG23	11	1.14
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG21	11	1.14
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG22	11	1.14
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG23	11	1.14
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG21	11	1.14
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG22	11	1.14
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG23	11	1.14
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG11	3	1.14
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG12	3	1.14
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG13	3	1.14
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG11	11	1.14
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG12	11	1.14
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG13	11	1.14
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD11	5	1.14
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD12	5	1.14
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD13	5	1.14
(1,1750)	1:142:A:VAL:HG21	1:102:A:PRO:HG3	14	1.14
(1,1750)	1:142:A:VAL:HG22	1:102:A:PRO:HG3	14	1.14
(1,1750)	1:142:A:VAL:HG23	1:102:A:PRO:HG3	14	1.14
(1,1707)	1:94:A:GLN:HE22	1:94:A:GLN:HB3	4	1.14
(1,1682)	1:163:A:LEU:HB3	1:164:A:HIS:HB3	17	1.14
(1,1627)	1:129:A:VAL:HG11	1:125:A:TRP:HB3	18	1.14
(1,1627)	1:129:A:VAL:HG12	1:125:A:TRP:HB3	18	1.14
(1,1627)	1:129:A:VAL:HG13	1:125:A:TRP:HB3	18	1.14
(1,1419)	1:116:A:THR:HA	1:120:A:GLU:HG3	2	1.14
(1,1063)	1:19:A:LEU:HB3	1:18:A:ALA:HA	3	1.14
(1,1063)	1:19:A:LEU:HB3	1:18:A:ALA:HA	4	1.14
(1,1063)	1:19:A:LEU:HB3	1:18:A:ALA:HA	5	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1063)	1:19:A:LEU:HB3	1:18:A:ALA:HA	6	1.14
(1,1063)	1:19:A:LEU:HB3	1:18:A:ALA:HA	8	1.14
(1,1063)	1:19:A:LEU:HB3	1:18:A:ALA:HA	9	1.14
(1,1063)	1:19:A:LEU:HB3	1:18:A:ALA:HA	12	1.14
(1,1063)	1:19:A:LEU:HB3	1:18:A:ALA:HA	14	1.14
(1,1063)	1:19:A:LEU:HB3	1:18:A:ALA:HA	15	1.14
(1,1063)	1:19:A:LEU:HB3	1:18:A:ALA:HA	16	1.14
(1,1063)	1:19:A:LEU:HB3	1:18:A:ALA:HA	17	1.14
(1,1063)	1:19:A:LEU:HB3	1:18:A:ALA:HA	19	1.14
(1,1063)	1:19:A:LEU:HB3	1:18:A:ALA:HA	20	1.14
(1,1012)	1:27:A:VAL:HG11	1:172:A:ALA:HA	15	1.14
(1,1012)	1:27:A:VAL:HG12	1:172:A:ALA:HA	15	1.14
(1,1012)	1:27:A:VAL:HG13	1:172:A:ALA:HA	15	1.14
(1,653)	1:73:A:GLN:HG3	1:70:A:THR:HA	4	1.14
(1,239)	1:98:A:GLN:HB3	1:97:A:LEU:H	3	1.14
(1,3097)	1:126:A:GLY:H	2:101:B:ILE:HG13	17	1.13
(1,2556)	1:183:A:LEU:HD21	1:125:A:TRP:HE3	19	1.13
(1,2556)	1:183:A:LEU:HD22	1:125:A:TRP:HE3	19	1.13
(1,2556)	1:183:A:LEU:HD23	1:125:A:TRP:HE3	19	1.13
(1,2398)	1:37:A:SER:HB3	1:40:A:PHE:HD1	5	1.13
(1,2398)	1:37:A:SER:HB3	1:40:A:PHE:HD2	5	1.13
(1,2356)	1:37:A:SER:HB3	1:41:A:TYR:HD1	12	1.13
(1,2356)	1:37:A:SER:HB3	1:41:A:TYR:HD2	12	1.13
(1,2132)	1:29:A:GLN:HB3	1:28:A:ALA:HB1	13	1.13
(1,2132)	1:29:A:GLN:HB3	1:28:A:ALA:HB2	13	1.13
(1,2132)	1:29:A:GLN:HB3	1:28:A:ALA:HB3	13	1.13
(1,2132)	1:29:A:GLN:HB3	1:28:A:ALA:HB1	14	1.13
(1,2132)	1:29:A:GLN:HB3	1:28:A:ALA:HB2	14	1.13
(1,2132)	1:29:A:GLN:HB3	1:28:A:ALA:HB3	14	1.13
(1,2132)	1:29:A:GLN:HB3	1:28:A:ALA:HB1	15	1.13
(1,2132)	1:29:A:GLN:HB3	1:28:A:ALA:HB2	15	1.13
(1,2132)	1:29:A:GLN:HB3	1:28:A:ALA:HB3	15	1.13
(1,1895)	1:142:A:VAL:HB	1:147:A:LEU:HD21	11	1.13
(1,1895)	1:142:A:VAL:HB	1:147:A:LEU:HD22	11	1.13
(1,1895)	1:142:A:VAL:HB	1:147:A:LEU:HD23	11	1.13
(1,1793)	1:35:A:PHE:HE1	1:36:A:ARG:HG3	11	1.13
(1,1793)	1:35:A:PHE:HE2	1:36:A:ARG:HG3	11	1.13
(1,1682)	1:163:A:LEU:HB3	1:164:A:HIS:HB3	14	1.13
(1,1424)	1:163:A:LEU:HD11	1:25:A:GLU:HG3	12	1.13
(1,1424)	1:163:A:LEU:HD12	1:25:A:GLU:HG3	12	1.13
(1,1424)	1:163:A:LEU:HD13	1:25:A:GLU:HG3	12	1.13
(1,1424)	1:163:A:LEU:HD21	1:25:A:GLU:HG3	12	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1424)	1:163:A:LEU:HD22	1:25:A:GLU:HG3	12	1.13
(1,1424)	1:163:A:LEU:HD23	1:25:A:GLU:HG3	12	1.13
(1,1043)	1:182:A:ASN:HB3	1:179:A:ALA:HA	17	1.13
(1,1012)	1:27:A:VAL:HG11	1:172:A:ALA:HA	7	1.13
(1,1012)	1:27:A:VAL:HG12	1:172:A:ALA:HA	7	1.13
(1,1012)	1:27:A:VAL:HG13	1:172:A:ALA:HA	7	1.13
(1,1012)	1:27:A:VAL:HG11	1:172:A:ALA:HA	12	1.13
(1,1012)	1:27:A:VAL:HG12	1:172:A:ALA:HA	12	1.13
(1,1012)	1:27:A:VAL:HG13	1:172:A:ALA:HA	12	1.13
(1,921)	1:98:A:GLN:HE22	1:98:A:GLN:HA	12	1.13
(1,675)	1:33:A:GLU:HB3	1:34:A:VAL:HA	18	1.13
(1,625)	1:118:A:LEU:HD21	1:128:A:VAL:HA	14	1.13
(1,625)	1:118:A:LEU:HD22	1:128:A:VAL:HA	14	1.13
(1,625)	1:118:A:LEU:HD23	1:128:A:VAL:HA	14	1.13
(1,410)	1:94:A:GLN:HE22	1:95:A:THR:H	6	1.13
(1,239)	1:98:A:GLN:HB3	1:97:A:LEU:H	12	1.13
(1,239)	1:98:A:GLN:HB3	1:97:A:LEU:H	15	1.13
(1,90)	1:97:A:LEU:HD21	1:138:A:LEU:H	15	1.13
(1,90)	1:97:A:LEU:HD22	1:138:A:LEU:H	15	1.13
(1,90)	1:97:A:LEU:HD23	1:138:A:LEU:H	15	1.13
(1,2398)	1:37:A:SER:HB3	1:40:A:PHE:HD1	9	1.12
(1,2398)	1:37:A:SER:HB3	1:40:A:PHE:HD2	9	1.12
(1,1983)	1:36:A:ARG:HG3	1:39:A:VAL:HG21	18	1.12
(1,1983)	1:36:A:ARG:HG3	1:39:A:VAL:HG22	18	1.12
(1,1983)	1:36:A:ARG:HG3	1:39:A:VAL:HG23	18	1.12
(1,1570)	1:159:A:VAL:HG11	1:158:A:VAL:HB	9	1.12
(1,1570)	1:159:A:VAL:HG12	1:158:A:VAL:HB	9	1.12
(1,1570)	1:159:A:VAL:HG13	1:158:A:VAL:HB	9	1.12
(1,1497)	1:150:A:PHE:HB3	1:153:A:GLN:HG3	1	1.12
(1,1497)	1:150:A:PHE:HB3	1:153:A:GLN:HG3	7	1.12
(1,1424)	1:163:A:LEU:HD11	1:25:A:GLU:HG3	9	1.12
(1,1424)	1:163:A:LEU:HD12	1:25:A:GLU:HG3	9	1.12
(1,1424)	1:163:A:LEU:HD13	1:25:A:GLU:HG3	9	1.12
(1,1424)	1:163:A:LEU:HD21	1:25:A:GLU:HG3	9	1.12
(1,1424)	1:163:A:LEU:HD22	1:25:A:GLU:HG3	9	1.12
(1,1424)	1:163:A:LEU:HD23	1:25:A:GLU:HG3	9	1.12
(1,1419)	1:116:A:THR:HA	1:120:A:GLU:HG3	17	1.12
(1,1151)	1:27:A:VAL:HG11	1:176:A:GLY:HA3	5	1.12
(1,1151)	1:27:A:VAL:HG12	1:176:A:GLY:HA3	5	1.12
(1,1151)	1:27:A:VAL:HG13	1:176:A:GLY:HA3	5	1.12
(1,1151)	1:27:A:VAL:HG11	1:176:A:GLY:HA3	10	1.12
(1,1151)	1:27:A:VAL:HG12	1:176:A:GLY:HA3	10	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1151)	1:27:A:VAL:HG13	1:176:A:GLY:HA3	10	1.12
(1,1012)	1:27:A:VAL:HG11	1:172:A:ALA:HA	20	1.12
(1,1012)	1:27:A:VAL:HG12	1:172:A:ALA:HA	20	1.12
(1,1012)	1:27:A:VAL:HG13	1:172:A:ALA:HA	20	1.12
(1,1001)	1:73:A:GLN:HG3	1:181:A:LEU:HA	18	1.12
(1,841)	1:97:A:LEU:HD11	1:93:A:PHE:HA	10	1.12
(1,841)	1:97:A:LEU:HD12	1:93:A:PHE:HA	10	1.12
(1,841)	1:97:A:LEU:HD13	1:93:A:PHE:HA	10	1.12
(1,839)	1:63:A:LEU:HB3	1:62:A:THR:HA	10	1.12
(1,593)	1:131:A:LEU:HD21	1:135:A:GLY:H	17	1.12
(1,593)	1:131:A:LEU:HD22	1:135:A:GLY:H	17	1.12
(1,593)	1:131:A:LEU:HD23	1:135:A:GLY:H	17	1.12
(1,239)	1:98:A:GLN:HB3	1:97:A:LEU:H	14	1.12
(1,2683)	2:84:B:ARG:HA	2:84:B:ARG:HD3	11	1.11
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD21	8	1.11
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD22	8	1.11
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD23	8	1.11
(1,2582)	1:140:A:LEU:HB3	1:136:A:TYR:HE1	2	1.11
(1,2582)	1:140:A:LEU:HB3	1:136:A:TYR:HE2	2	1.11
(1,2433)	1:97:A:LEU:HD11	1:93:A:PHE:HE1	1	1.11
(1,2433)	1:97:A:LEU:HD11	1:93:A:PHE:HE2	1	1.11
(1,2433)	1:97:A:LEU:HD12	1:93:A:PHE:HE1	1	1.11
(1,2433)	1:97:A:LEU:HD12	1:93:A:PHE:HE2	1	1.11
(1,2433)	1:97:A:LEU:HD13	1:93:A:PHE:HE1	1	1.11
(1,2433)	1:97:A:LEU:HD13	1:93:A:PHE:HE2	1	1.11
(1,2430)	1:118:A:LEU:HD21	1:134:A:PHE:HD1	4	1.11
(1,2430)	1:118:A:LEU:HD21	1:134:A:PHE:HD2	4	1.11
(1,2430)	1:118:A:LEU:HD22	1:134:A:PHE:HD1	4	1.11
(1,2430)	1:118:A:LEU:HD22	1:134:A:PHE:HD2	4	1.11
(1,2430)	1:118:A:LEU:HD23	1:134:A:PHE:HD1	4	1.11
(1,2430)	1:118:A:LEU:HD23	1:134:A:PHE:HD2	4	1.11
(1,2430)	1:118:A:LEU:HD21	1:134:A:PHE:HD1	14	1.11
(1,2430)	1:118:A:LEU:HD21	1:134:A:PHE:HD2	14	1.11
(1,2430)	1:118:A:LEU:HD22	1:134:A:PHE:HD1	14	1.11
(1,2430)	1:118:A:LEU:HD22	1:134:A:PHE:HD2	14	1.11
(1,2430)	1:118:A:LEU:HD23	1:134:A:PHE:HD1	14	1.11
(1,2430)	1:118:A:LEU:HD23	1:134:A:PHE:HD2	14	1.11
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG21	17	1.11
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG22	17	1.11
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG23	17	1.11
(1,2132)	1:29:A:GLN:HB3	1:28:A:ALA:HB1	7	1.11
(1,2132)	1:29:A:GLN:HB3	1:28:A:ALA:HB2	7	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2132)	1:29:A:GLN:HB3	1:28:A:ALA:HB3	7	1.11
(1,2132)	1:29:A:GLN:HB3	1:28:A:ALA:HB1	8	1.11
(1,2132)	1:29:A:GLN:HB3	1:28:A:ALA:HB2	8	1.11
(1,2132)	1:29:A:GLN:HB3	1:28:A:ALA:HB3	8	1.11
(1,2132)	1:29:A:GLN:HB3	1:28:A:ALA:HB1	10	1.11
(1,2132)	1:29:A:GLN:HB3	1:28:A:ALA:HB2	10	1.11
(1,2132)	1:29:A:GLN:HB3	1:28:A:ALA:HB3	10	1.11
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG11	7	1.11
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG12	7	1.11
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG13	7	1.11
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG11	4	1.11
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG12	4	1.11
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG13	4	1.11
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD11	19	1.11
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD12	19	1.11
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD13	19	1.11
(1,1757)	1:19:A:LEU:HB3	1:20:A:PRO:HG3	1	1.11
(1,1757)	1:19:A:LEU:HB3	1:20:A:PRO:HG3	2	1.11
(1,1757)	1:19:A:LEU:HB3	1:20:A:PRO:HG3	11	1.11
(1,1757)	1:19:A:LEU:HB3	1:20:A:PRO:HG3	13	1.11
(1,1757)	1:19:A:LEU:HB3	1:20:A:PRO:HG3	18	1.11
(1,1747)	1:142:A:VAL:H	1:102:A:PRO:HG3	16	1.11
(1,1746)	1:86:A:ASN:HB3	1:87:A:ARG:HG3	4	1.11
(1,1746)	1:86:A:ASN:HB3	1:87:A:ARG:HG3	15	1.11
(1,1735)	1:102:A:PRO:HD3	1:101:A:GLN:HB3	1	1.11
(1,1735)	1:102:A:PRO:HD3	1:101:A:GLN:HB3	4	1.11
(1,1707)	1:94:A:GLN:HE22	1:94:A:GLN:HB3	7	1.11
(1,1570)	1:159:A:VAL:HG11	1:158:A:VAL:HB	16	1.11
(1,1570)	1:159:A:VAL:HG12	1:158:A:VAL:HB	16	1.11
(1,1570)	1:159:A:VAL:HG13	1:158:A:VAL:HB	16	1.11
(1,1424)	1:163:A:LEU:HD11	1:25:A:GLU:HG3	20	1.11
(1,1424)	1:163:A:LEU:HD12	1:25:A:GLU:HG3	20	1.11
(1,1424)	1:163:A:LEU:HD13	1:25:A:GLU:HG3	20	1.11
(1,1424)	1:163:A:LEU:HD21	1:25:A:GLU:HG3	20	1.11
(1,1424)	1:163:A:LEU:HD22	1:25:A:GLU:HG3	20	1.11
(1,1424)	1:163:A:LEU:HD23	1:25:A:GLU:HG3	20	1.11
(1,1249)	1:86:A:ASN:HD22	1:42:A:ARG:HD3	3	1.11
(1,1151)	1:27:A:VAL:HG11	1:176:A:GLY:HA3	7	1.11
(1,1151)	1:27:A:VAL:HG12	1:176:A:GLY:HA3	7	1.11
(1,1151)	1:27:A:VAL:HG13	1:176:A:GLY:HA3	7	1.11
(1,1151)	1:27:A:VAL:HG11	1:176:A:GLY:HA3	9	1.11
(1,1151)	1:27:A:VAL:HG12	1:176:A:GLY:HA3	9	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1151)	1:27:A:VAL:HG13	1:176:A:GLY:HA3	9	1.11
(1,1129)	1:155:A:THR:HG21	1:152:A:GLY:HA3	18	1.11
(1,1129)	1:155:A:THR:HG22	1:152:A:GLY:HA3	18	1.11
(1,1129)	1:155:A:THR:HG23	1:152:A:GLY:HA3	18	1.11
(1,1033)	1:118:A:LEU:HD21	1:115:A:ALA:HA	14	1.11
(1,1033)	1:118:A:LEU:HD22	1:115:A:ALA:HA	14	1.11
(1,1033)	1:118:A:LEU:HD23	1:115:A:ALA:HA	14	1.11
(1,841)	1:97:A:LEU:HD11	1:93:A:PHE:HA	16	1.11
(1,841)	1:97:A:LEU:HD12	1:93:A:PHE:HA	16	1.11
(1,841)	1:97:A:LEU:HD13	1:93:A:PHE:HA	16	1.11
(1,839)	1:63:A:LEU:HB3	1:62:A:THR:HA	6	1.11
(1,404)	1:34:A:VAL:HG21	1:78:A:LEU:H	20	1.11
(1,404)	1:34:A:VAL:HG22	1:78:A:LEU:H	20	1.11
(1,404)	1:34:A:VAL:HG23	1:78:A:LEU:H	20	1.11
(1,268)	1:50:A:GLU:HB3	1:52:A:VAL:H	19	1.11
(1,239)	1:98:A:GLN:HB3	1:97:A:LEU:H	13	1.11
(1,108)	1:74:A:VAL:HG11	1:73:A:GLN:H	2	1.11
(1,108)	1:74:A:VAL:HG12	1:73:A:GLN:H	2	1.11
(1,108)	1:74:A:VAL:HG13	1:73:A:GLN:H	2	1.11
(1,108)	1:74:A:VAL:HG11	1:73:A:GLN:H	15	1.11
(1,108)	1:74:A:VAL:HG12	1:73:A:GLN:H	15	1.11
(1,108)	1:74:A:VAL:HG13	1:73:A:GLN:H	15	1.11
(1,2980)	1:81:A:ILE:HG21	2:100:B:SER:HB3	3	1.1
(1,2980)	1:81:A:ILE:HG22	2:100:B:SER:HB3	3	1.1
(1,2980)	1:81:A:ILE:HG23	2:100:B:SER:HB3	3	1.1
(1,2921)	2:92:B:MK8:HB1A	2:95:B:ASP:HB3	15	1.1
(1,2921)	2:92:B:MK8:HB1B	2:95:B:ASP:HB3	15	1.1
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD21	16	1.1
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD22	16	1.1
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD23	16	1.1
(1,2580)	1:37:A:SER:HB3	1:41:A:TYR:HE1	14	1.1
(1,2580)	1:37:A:SER:HB3	1:41:A:TYR:HE2	14	1.1
(1,2318)	1:84:A:ASP:HB3	1:85:A:ILE:HD11	17	1.1
(1,2318)	1:84:A:ASP:HB3	1:85:A:ILE:HD12	17	1.1
(1,2318)	1:84:A:ASP:HB3	1:85:A:ILE:HD13	17	1.1
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG21	12	1.1
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG22	12	1.1
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG23	12	1.1
(1,2132)	1:29:A:GLN:HB3	1:28:A:ALA:HB1	16	1.1
(1,2132)	1:29:A:GLN:HB3	1:28:A:ALA:HB2	16	1.1
(1,2132)	1:29:A:GLN:HB3	1:28:A:ALA:HB3	16	1.1
(1,2115)	1:50:A:GLU:HG3	1:49:A:ALA:HB1	19	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2115)	1:50:A:GLU:HG3	1:49:A:ALA:HB2	19	1.1
(1,2115)	1:50:A:GLU:HG3	1:49:A:ALA:HB3	19	1.1
(1,2069)	1:163:A:LEU:HD11	1:159:A:VAL:HG21	11	1.1
(1,2069)	1:163:A:LEU:HD11	1:159:A:VAL:HG22	11	1.1
(1,2069)	1:163:A:LEU:HD11	1:159:A:VAL:HG23	11	1.1
(1,2069)	1:163:A:LEU:HD12	1:159:A:VAL:HG21	11	1.1
(1,2069)	1:163:A:LEU:HD12	1:159:A:VAL:HG22	11	1.1
(1,2069)	1:163:A:LEU:HD12	1:159:A:VAL:HG23	11	1.1
(1,2069)	1:163:A:LEU:HD13	1:159:A:VAL:HG21	11	1.1
(1,2069)	1:163:A:LEU:HD13	1:159:A:VAL:HG22	11	1.1
(1,2069)	1:163:A:LEU:HD13	1:159:A:VAL:HG23	11	1.1
(1,2069)	1:163:A:LEU:HD21	1:159:A:VAL:HG21	11	1.1
(1,2069)	1:163:A:LEU:HD21	1:159:A:VAL:HG22	11	1.1
(1,2069)	1:163:A:LEU:HD21	1:159:A:VAL:HG23	11	1.1
(1,2069)	1:163:A:LEU:HD22	1:159:A:VAL:HG21	11	1.1
(1,2069)	1:163:A:LEU:HD22	1:159:A:VAL:HG22	11	1.1
(1,2069)	1:163:A:LEU:HD22	1:159:A:VAL:HG23	11	1.1
(1,2069)	1:163:A:LEU:HD23	1:159:A:VAL:HG21	11	1.1
(1,2069)	1:163:A:LEU:HD23	1:159:A:VAL:HG22	11	1.1
(1,2069)	1:163:A:LEU:HD23	1:159:A:VAL:HG23	11	1.1
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG11	13	1.1
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG12	13	1.1
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG13	13	1.1
(1,1874)	1:65:A:LEU:HD11	1:63:A:LEU:HD11	4	1.1
(1,1874)	1:65:A:LEU:HD11	1:63:A:LEU:HD12	4	1.1
(1,1874)	1:65:A:LEU:HD11	1:63:A:LEU:HD13	4	1.1
(1,1874)	1:65:A:LEU:HD12	1:63:A:LEU:HD11	4	1.1
(1,1874)	1:65:A:LEU:HD12	1:63:A:LEU:HD12	4	1.1
(1,1874)	1:65:A:LEU:HD12	1:63:A:LEU:HD13	4	1.1
(1,1874)	1:65:A:LEU:HD13	1:63:A:LEU:HD11	4	1.1
(1,1874)	1:65:A:LEU:HD13	1:63:A:LEU:HD12	4	1.1
(1,1874)	1:65:A:LEU:HD13	1:63:A:LEU:HD13	4	1.1
(1,1874)	1:65:A:LEU:HD21	1:63:A:LEU:HD11	4	1.1
(1,1874)	1:65:A:LEU:HD21	1:63:A:LEU:HD12	4	1.1
(1,1874)	1:65:A:LEU:HD21	1:63:A:LEU:HD13	4	1.1
(1,1874)	1:65:A:LEU:HD22	1:63:A:LEU:HD11	4	1.1
(1,1874)	1:65:A:LEU:HD22	1:63:A:LEU:HD12	4	1.1
(1,1874)	1:65:A:LEU:HD22	1:63:A:LEU:HD13	4	1.1
(1,1874)	1:65:A:LEU:HD23	1:63:A:LEU:HD11	4	1.1
(1,1874)	1:65:A:LEU:HD23	1:63:A:LEU:HD12	4	1.1
(1,1874)	1:65:A:LEU:HD23	1:63:A:LEU:HD13	4	1.1
(1,1757)	1:19:A:LEU:HB3	1:20:A:PRO:HG3	3	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1757)	1:19:A:LEU:HB3	1:20:A:PRO:HG3	4	1.1
(1,1757)	1:19:A:LEU:HB3	1:20:A:PRO:HG3	5	1.1
(1,1757)	1:19:A:LEU:HB3	1:20:A:PRO:HG3	6	1.1
(1,1757)	1:19:A:LEU:HB3	1:20:A:PRO:HG3	8	1.1
(1,1757)	1:19:A:LEU:HB3	1:20:A:PRO:HG3	9	1.1
(1,1757)	1:19:A:LEU:HB3	1:20:A:PRO:HG3	12	1.1
(1,1757)	1:19:A:LEU:HB3	1:20:A:PRO:HG3	14	1.1
(1,1757)	1:19:A:LEU:HB3	1:20:A:PRO:HG3	15	1.1
(1,1757)	1:19:A:LEU:HB3	1:20:A:PRO:HG3	16	1.1
(1,1757)	1:19:A:LEU:HB3	1:20:A:PRO:HG3	17	1.1
(1,1757)	1:19:A:LEU:HB3	1:20:A:PRO:HG3	19	1.1
(1,1757)	1:19:A:LEU:HB3	1:20:A:PRO:HG3	20	1.1
(1,1735)	1:102:A:PRO:HD3	1:101:A:GLN:HB3	2	1.1
(1,1735)	1:102:A:PRO:HD3	1:101:A:GLN:HB3	5	1.1
(1,1735)	1:102:A:PRO:HD3	1:101:A:GLN:HB3	7	1.1
(1,1735)	1:102:A:PRO:HD3	1:101:A:GLN:HB3	9	1.1
(1,1735)	1:102:A:PRO:HD3	1:101:A:GLN:HB3	10	1.1
(1,1735)	1:102:A:PRO:HD3	1:101:A:GLN:HB3	11	1.1
(1,1735)	1:102:A:PRO:HD3	1:101:A:GLN:HB3	12	1.1
(1,1735)	1:102:A:PRO:HD3	1:101:A:GLN:HB3	14	1.1
(1,1735)	1:102:A:PRO:HD3	1:101:A:GLN:HB3	15	1.1
(1,1735)	1:102:A:PRO:HD3	1:101:A:GLN:HB3	19	1.1
(1,1675)	1:84:A:ASP:HB3	1:85:A:ILE:HG13	19	1.1
(1,1062)	1:23:A:SER:HB3	1:22:A:ALA:HA	11	1.1
(1,513)	1:150:A:PHE:HA	1:153:A:GLN:HE22	3	1.1
(1,90)	1:97:A:LEU:HD21	1:138:A:LEU:H	17	1.1
(1,90)	1:97:A:LEU:HD22	1:138:A:LEU:H	17	1.1
(1,90)	1:97:A:LEU:HD23	1:138:A:LEU:H	17	1.1
(1,2778)	2:88:B:ARG:H	2:88:B:ARG:HD3	13	1.09
(1,2356)	1:37:A:SER:HB3	1:41:A:TYR:HD1	2	1.09
(1,2356)	1:37:A:SER:HB3	1:41:A:TYR:HD2	2	1.09
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB1	18	1.09
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB2	18	1.09
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB3	18	1.09
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG11	6	1.09
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG12	6	1.09
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG13	6	1.09
(1,1983)	1:36:A:ARG:HG3	1:39:A:VAL:HG21	13	1.09
(1,1983)	1:36:A:ARG:HG3	1:39:A:VAL:HG22	13	1.09
(1,1983)	1:36:A:ARG:HG3	1:39:A:VAL:HG23	13	1.09
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG11	9	1.09
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG12	9	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG13	9	1.09
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG11	13	1.09
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG12	13	1.09
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG13	13	1.09
(1,1735)	1:102:A:PRO:HD3	1:101:A:GLN:HB3	16	1.09
(1,1644)	1:118:A:LEU:HD11	1:127:A:ARG:HG3	4	1.09
(1,1644)	1:118:A:LEU:HD12	1:127:A:ARG:HG3	4	1.09
(1,1644)	1:118:A:LEU:HD13	1:127:A:ARG:HG3	4	1.09
(1,1627)	1:129:A:VAL:HG11	1:125:A:TRP:HB3	4	1.09
(1,1627)	1:129:A:VAL:HG12	1:125:A:TRP:HB3	4	1.09
(1,1627)	1:129:A:VAL:HG13	1:125:A:TRP:HB3	4	1.09
(1,1497)	1:150:A:PHE:HB3	1:153:A:GLN:HG3	19	1.09
(1,1429)	1:159:A:VAL:HG11	1:32:A:GLU:HG3	15	1.09
(1,1429)	1:159:A:VAL:HG12	1:32:A:GLU:HG3	15	1.09
(1,1429)	1:159:A:VAL:HG13	1:32:A:GLU:HG3	15	1.09
(1,1012)	1:27:A:VAL:HG11	1:172:A:ALA:HA	18	1.09
(1,1012)	1:27:A:VAL:HG12	1:172:A:ALA:HA	18	1.09
(1,1012)	1:27:A:VAL:HG13	1:172:A:ALA:HA	18	1.09
(1,920)	1:20:A:PRO:HB3	1:21:A:SER:HA	3	1.09
(1,404)	1:34:A:VAL:HG21	1:78:A:LEU:H	5	1.09
(1,404)	1:34:A:VAL:HG22	1:78:A:LEU:H	5	1.09
(1,404)	1:34:A:VAL:HG23	1:78:A:LEU:H	5	1.09
(1,178)	1:118:A:LEU:HD21	1:131:A:LEU:H	12	1.09
(1,178)	1:118:A:LEU:HD22	1:131:A:LEU:H	12	1.09
(1,178)	1:118:A:LEU:HD23	1:131:A:LEU:H	12	1.09
(1,139)	1:131:A:LEU:HD21	1:115:A:ALA:H	7	1.09
(1,139)	1:131:A:LEU:HD22	1:115:A:ALA:H	7	1.09
(1,139)	1:131:A:LEU:HD23	1:115:A:ALA:H	7	1.09
(1,108)	1:74:A:VAL:HG11	1:73:A:GLN:H	13	1.09
(1,108)	1:74:A:VAL:HG12	1:73:A:GLN:H	13	1.09
(1,108)	1:74:A:VAL:HG13	1:73:A:GLN:H	13	1.09
(1,2683)	2:84:B:ARG:HA	2:84:B:ARG:HD3	16	1.08
(1,2454)	1:147:A:LEU:HD21	1:150:A:PHE:HE1	7	1.08
(1,2454)	1:147:A:LEU:HD21	1:150:A:PHE:HE2	7	1.08
(1,2454)	1:147:A:LEU:HD22	1:150:A:PHE:HE1	7	1.08
(1,2454)	1:147:A:LEU:HD22	1:150:A:PHE:HE2	7	1.08
(1,2454)	1:147:A:LEU:HD23	1:150:A:PHE:HE1	7	1.08
(1,2454)	1:147:A:LEU:HD23	1:150:A:PHE:HE2	7	1.08
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG21	13	1.08
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG22	13	1.08
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG23	13	1.08
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG21	15	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG22	15	1.08
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG23	15	1.08
(1,1983)	1:36:A:ARG:HG3	1:39:A:VAL:HG21	11	1.08
(1,1983)	1:36:A:ARG:HG3	1:39:A:VAL:HG22	11	1.08
(1,1983)	1:36:A:ARG:HG3	1:39:A:VAL:HG23	11	1.08
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG11	13	1.08
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG12	13	1.08
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG13	13	1.08
(1,1867)	1:73:A:GLN:HG3	1:181:A:LEU:HD11	11	1.08
(1,1867)	1:73:A:GLN:HG3	1:181:A:LEU:HD12	11	1.08
(1,1867)	1:73:A:GLN:HG3	1:181:A:LEU:HD13	11	1.08
(1,1735)	1:102:A:PRO:HD3	1:101:A:GLN:HB3	3	1.08
(1,1735)	1:102:A:PRO:HD3	1:101:A:GLN:HB3	8	1.08
(1,1735)	1:102:A:PRO:HD3	1:101:A:GLN:HB3	17	1.08
(1,1735)	1:102:A:PRO:HD3	1:101:A:GLN:HB3	18	1.08
(1,1707)	1:94:A:GLN:HE22	1:94:A:GLN:HB3	2	1.08
(1,1675)	1:84:A:ASP:HB3	1:85:A:ILE:HG13	11	1.08
(1,1429)	1:159:A:VAL:HG11	1:32:A:GLU:HG3	9	1.08
(1,1429)	1:159:A:VAL:HG12	1:32:A:GLU:HG3	9	1.08
(1,1429)	1:159:A:VAL:HG13	1:32:A:GLU:HG3	9	1.08
(1,1151)	1:27:A:VAL:HG11	1:176:A:GLY:HA3	8	1.08
(1,1151)	1:27:A:VAL:HG12	1:176:A:GLY:HA3	8	1.08
(1,1151)	1:27:A:VAL:HG13	1:176:A:GLY:HA3	8	1.08
(1,1151)	1:27:A:VAL:HG11	1:176:A:GLY:HA3	20	1.08
(1,1151)	1:27:A:VAL:HG12	1:176:A:GLY:HA3	20	1.08
(1,1151)	1:27:A:VAL:HG13	1:176:A:GLY:HA3	20	1.08
(1,1126)	1:153:A:GLN:HG3	1:152:A:GLY:HA2	12	1.08
(1,813)	1:92:A:GLU:HG3	1:91:A:SER:HB3	16	1.08
(1,268)	1:50:A:GLU:HB3	1:52:A:VAL:H	14	1.08
(1,21)	1:21:A:SER:HB3	1:22:A:ALA:H	17	1.08
(1,2939)	2:99:B:ARG:HG3	2:100:B:SER:H	9	1.07
(1,2532)	1:34:A:VAL:HG21	1:177:A:TRP:HH2	14	1.07
(1,2532)	1:34:A:VAL:HG22	1:177:A:TRP:HH2	14	1.07
(1,2532)	1:34:A:VAL:HG23	1:177:A:TRP:HH2	14	1.07
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG21	5	1.07
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG22	5	1.07
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG23	5	1.07
(1,2132)	1:29:A:GLN:HB3	1:28:A:ALA:HB1	1	1.07
(1,2132)	1:29:A:GLN:HB3	1:28:A:ALA:HB2	1	1.07
(1,2132)	1:29:A:GLN:HB3	1:28:A:ALA:HB3	1	1.07
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG21	16	1.07
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG22	16	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG23	16	1.07
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG21	19	1.07
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG22	19	1.07
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG23	19	1.07
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG11	4	1.07
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG12	4	1.07
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG13	4	1.07
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG11	17	1.07
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG12	17	1.07
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG13	17	1.07
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD11	12	1.07
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD12	12	1.07
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD13	12	1.07
(1,1793)	1:35:A:PHE:HE1	1:36:A:ARG:HG3	13	1.07
(1,1793)	1:35:A:PHE:HE2	1:36:A:ARG:HG3	13	1.07
(1,1735)	1:102:A:PRO:HD3	1:101:A:GLN:HB3	6	1.07
(1,1735)	1:102:A:PRO:HD3	1:101:A:GLN:HB3	20	1.07
(1,1682)	1:163:A:LEU:HB3	1:164:A:HIS:HB3	6	1.07
(1,1682)	1:163:A:LEU:HB3	1:164:A:HIS:HB3	11	1.07
(1,1682)	1:163:A:LEU:HB3	1:164:A:HIS:HB3	13	1.07
(1,1429)	1:159:A:VAL:HG11	1:32:A:GLU:HG3	3	1.07
(1,1429)	1:159:A:VAL:HG12	1:32:A:GLU:HG3	3	1.07
(1,1429)	1:159:A:VAL:HG13	1:32:A:GLU:HG3	3	1.07
(1,1151)	1:27:A:VAL:HG11	1:176:A:GLY:HA3	15	1.07
(1,1151)	1:27:A:VAL:HG12	1:176:A:GLY:HA3	15	1.07
(1,1151)	1:27:A:VAL:HG13	1:176:A:GLY:HA3	15	1.07
(1,1129)	1:155:A:THR:HG21	1:152:A:GLY:HA3	20	1.07
(1,1129)	1:155:A:THR:HG22	1:152:A:GLY:HA3	20	1.07
(1,1129)	1:155:A:THR:HG23	1:152:A:GLY:HA3	20	1.07
(1,1126)	1:153:A:GLN:HG3	1:152:A:GLY:HA2	17	1.07
(1,1103)	1:39:A:VAL:HG11	1:133:A:GLY:HA2	12	1.07
(1,1103)	1:39:A:VAL:HG11	1:133:A:GLY:HA3	12	1.07
(1,1103)	1:39:A:VAL:HG12	1:133:A:GLY:HA2	12	1.07
(1,1103)	1:39:A:VAL:HG12	1:133:A:GLY:HA3	12	1.07
(1,1103)	1:39:A:VAL:HG13	1:133:A:GLY:HA2	12	1.07
(1,1103)	1:39:A:VAL:HG13	1:133:A:GLY:HA3	12	1.07
(1,1012)	1:27:A:VAL:HG11	1:172:A:ALA:HA	10	1.07
(1,1012)	1:27:A:VAL:HG12	1:172:A:ALA:HA	10	1.07
(1,1012)	1:27:A:VAL:HG13	1:172:A:ALA:HA	10	1.07
(1,404)	1:34:A:VAL:HG21	1:78:A:LEU:H	12	1.07
(1,404)	1:34:A:VAL:HG22	1:78:A:LEU:H	12	1.07
(1,404)	1:34:A:VAL:HG23	1:78:A:LEU:H	12	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,239)	1:98:A:GLN:HB3	1:97:A:LEU:H	18	1.07
(1,178)	1:118:A:LEU:HD21	1:131:A:LEU:H	14	1.07
(1,178)	1:118:A:LEU:HD22	1:131:A:LEU:H	14	1.07
(1,178)	1:118:A:LEU:HD23	1:131:A:LEU:H	14	1.07
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD21	15	1.06
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD22	15	1.06
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD23	15	1.06
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD21	17	1.06
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD22	17	1.06
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD23	17	1.06
(1,2430)	1:118:A:LEU:HD21	1:134:A:PHE:HD1	9	1.06
(1,2430)	1:118:A:LEU:HD21	1:134:A:PHE:HD2	9	1.06
(1,2430)	1:118:A:LEU:HD22	1:134:A:PHE:HD1	9	1.06
(1,2430)	1:118:A:LEU:HD22	1:134:A:PHE:HD2	9	1.06
(1,2430)	1:118:A:LEU:HD23	1:134:A:PHE:HD1	9	1.06
(1,2430)	1:118:A:LEU:HD23	1:134:A:PHE:HD2	9	1.06
(1,2417)	1:136:A:TYR:HB3	1:35:A:PHE:HE1	6	1.06
(1,2417)	1:136:A:TYR:HB3	1:35:A:PHE:HE2	6	1.06
(1,2132)	1:29:A:GLN:HB3	1:28:A:ALA:HB1	9	1.06
(1,2132)	1:29:A:GLN:HB3	1:28:A:ALA:HB2	9	1.06
(1,2132)	1:29:A:GLN:HB3	1:28:A:ALA:HB3	9	1.06
(1,2109)	1:147:A:LEU:HD21	1:142:A:VAL:HG11	8	1.06
(1,2109)	1:147:A:LEU:HD21	1:142:A:VAL:HG12	8	1.06
(1,2109)	1:147:A:LEU:HD21	1:142:A:VAL:HG13	8	1.06
(1,2109)	1:147:A:LEU:HD22	1:142:A:VAL:HG11	8	1.06
(1,2109)	1:147:A:LEU:HD22	1:142:A:VAL:HG12	8	1.06
(1,2109)	1:147:A:LEU:HD22	1:142:A:VAL:HG13	8	1.06
(1,2109)	1:147:A:LEU:HD23	1:142:A:VAL:HG11	8	1.06
(1,2109)	1:147:A:LEU:HD23	1:142:A:VAL:HG12	8	1.06
(1,2109)	1:147:A:LEU:HD23	1:142:A:VAL:HG13	8	1.06
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG21	5	1.06
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG22	5	1.06
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG23	5	1.06
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD11	3	1.06
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD12	3	1.06
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD13	3	1.06
(1,1757)	1:19:A:LEU:HB3	1:20:A:PRO:HG3	10	1.06
(1,1746)	1:86:A:ASN:HB3	1:87:A:ARG:HG3	13	1.06
(1,1746)	1:86:A:ASN:HB3	1:87:A:ARG:HG3	14	1.06
(1,1746)	1:86:A:ASN:HB3	1:87:A:ARG:HG3	17	1.06
(1,1554)	1:33:A:GLU:HB3	1:34:A:VAL:HB	1	1.06
(1,1424)	1:163:A:LEU:HD11	1:25:A:GLU:HG3	3	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1424)	1:163:A:LEU:HD12	1:25:A:GLU:HG3	3	1.06
(1,1424)	1:163:A:LEU:HD13	1:25:A:GLU:HG3	3	1.06
(1,1424)	1:163:A:LEU:HD21	1:25:A:GLU:HG3	3	1.06
(1,1424)	1:163:A:LEU:HD22	1:25:A:GLU:HG3	3	1.06
(1,1424)	1:163:A:LEU:HD23	1:25:A:GLU:HG3	3	1.06
(1,1151)	1:27:A:VAL:HG11	1:176:A:GLY:HA3	18	1.06
(1,1151)	1:27:A:VAL:HG12	1:176:A:GLY:HA3	18	1.06
(1,1151)	1:27:A:VAL:HG13	1:176:A:GLY:HA3	18	1.06
(1,653)	1:73:A:GLN:HG3	1:70:A:THR:HA	7	1.06
(1,178)	1:118:A:LEU:HD21	1:131:A:LEU:H	3	1.06
(1,178)	1:118:A:LEU:HD22	1:131:A:LEU:H	3	1.06
(1,178)	1:118:A:LEU:HD23	1:131:A:LEU:H	3	1.06
(1,139)	1:131:A:LEU:HD21	1:115:A:ALA:H	5	1.06
(1,139)	1:131:A:LEU:HD22	1:115:A:ALA:H	5	1.06
(1,139)	1:131:A:LEU:HD23	1:115:A:ALA:H	5	1.06
(1,108)	1:74:A:VAL:HG11	1:73:A:GLN:H	4	1.06
(1,108)	1:74:A:VAL:HG12	1:73:A:GLN:H	4	1.06
(1,108)	1:74:A:VAL:HG13	1:73:A:GLN:H	4	1.06
(1,100)	1:69:A:SER:HB3	1:70:A:THR:H	1	1.06
(1,3060)	1:100:A:LEU:HD11	2:83:B:ILE:HG13	5	1.05
(1,3060)	1:100:A:LEU:HD12	2:83:B:ILE:HG13	5	1.05
(1,3060)	1:100:A:LEU:HD13	2:83:B:ILE:HG13	5	1.05
(1,3060)	1:100:A:LEU:HD21	2:83:B:ILE:HG13	5	1.05
(1,3060)	1:100:A:LEU:HD22	2:83:B:ILE:HG13	5	1.05
(1,3060)	1:100:A:LEU:HD23	2:83:B:ILE:HG13	5	1.05
(1,2606)	1:42:A:ARG:HD3	1:38:A:TYR:HE1	19	1.05
(1,2606)	1:42:A:ARG:HD3	1:38:A:TYR:HE2	19	1.05
(1,2398)	1:37:A:SER:HB3	1:40:A:PHE:HD1	4	1.05
(1,2398)	1:37:A:SER:HB3	1:40:A:PHE:HD2	4	1.05
(1,2398)	1:37:A:SER:HB3	1:40:A:PHE:HD1	14	1.05
(1,2398)	1:37:A:SER:HB3	1:40:A:PHE:HD2	14	1.05
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB1	1	1.05
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB2	1	1.05
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB3	1	1.05
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB1	14	1.05
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB2	14	1.05
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB3	14	1.05
(1,2132)	1:29:A:GLN:HB3	1:28:A:ALA:HB1	2	1.05
(1,2132)	1:29:A:GLN:HB3	1:28:A:ALA:HB2	2	1.05
(1,2132)	1:29:A:GLN:HB3	1:28:A:ALA:HB3	2	1.05
(1,2132)	1:29:A:GLN:HB3	1:28:A:ALA:HB1	12	1.05
(1,2132)	1:29:A:GLN:HB3	1:28:A:ALA:HB2	12	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2132)	1:29:A:GLN:HB3	1:28:A:ALA:HB3	12	1.05
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG11	2	1.05
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG12	2	1.05
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG13	2	1.05
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG21	19	1.05
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG22	19	1.05
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG23	19	1.05
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG21	19	1.05
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG22	19	1.05
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG23	19	1.05
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG21	19	1.05
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG22	19	1.05
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG23	19	1.05
(1,1886)	1:125:A:TRP:HE3	1:129:A:VAL:HG11	15	1.05
(1,1886)	1:125:A:TRP:HE3	1:129:A:VAL:HG12	15	1.05
(1,1886)	1:125:A:TRP:HE3	1:129:A:VAL:HG13	15	1.05
(1,1872)	1:64:A:PRO:HD3	1:63:A:LEU:HD11	10	1.05
(1,1872)	1:64:A:PRO:HD3	1:63:A:LEU:HD12	10	1.05
(1,1872)	1:64:A:PRO:HD3	1:63:A:LEU:HD13	10	1.05
(1,1750)	1:142:A:VAL:HG21	1:102:A:PRO:HG3	10	1.05
(1,1750)	1:142:A:VAL:HG22	1:102:A:PRO:HG3	10	1.05
(1,1750)	1:142:A:VAL:HG23	1:102:A:PRO:HG3	10	1.05
(1,1707)	1:94:A:GLN:HE22	1:94:A:GLN:HB3	18	1.05
(1,1675)	1:84:A:ASP:HB3	1:85:A:ILE:HG13	10	1.05
(1,1126)	1:153:A:GLN:HG3	1:152:A:GLY:HA2	15	1.05
(1,1020)	1:118:A:LEU:HD21	1:130:A:ALA:HA	9	1.05
(1,1020)	1:118:A:LEU:HD22	1:130:A:ALA:HA	9	1.05
(1,1020)	1:118:A:LEU:HD23	1:130:A:ALA:HA	9	1.05
(1,1012)	1:27:A:VAL:HG11	1:172:A:ALA:HA	6	1.05
(1,1012)	1:27:A:VAL:HG12	1:172:A:ALA:HA	6	1.05
(1,1012)	1:27:A:VAL:HG13	1:172:A:ALA:HA	6	1.05
(1,921)	1:98:A:GLN:HE22	1:98:A:GLN:HA	11	1.05
(1,854)	1:159:A:VAL:HG11	1:32:A:GLU:HA	3	1.05
(1,854)	1:159:A:VAL:HG12	1:32:A:GLU:HA	3	1.05
(1,854)	1:159:A:VAL:HG13	1:32:A:GLU:HA	3	1.05
(1,618)	1:113:A:LYS:HG3	1:116:A:THR:HB	7	1.05
(1,3056)	1:100:A:LEU:HD11	2:82:B:ILE:HG13	13	1.04
(1,3056)	1:100:A:LEU:HD12	2:82:B:ILE:HG13	13	1.04
(1,3056)	1:100:A:LEU:HD13	2:82:B:ILE:HG13	13	1.04
(1,3056)	1:100:A:LEU:HD21	2:82:B:ILE:HG13	13	1.04
(1,3056)	1:100:A:LEU:HD22	2:82:B:ILE:HG13	13	1.04
(1,3056)	1:100:A:LEU:HD23	2:82:B:ILE:HG13	13	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2493)	1:118:A:LEU:HD21	1:119:A:PHE:HZ	19	1.04
(1,2493)	1:118:A:LEU:HD22	1:119:A:PHE:HZ	19	1.04
(1,2493)	1:118:A:LEU:HD23	1:119:A:PHE:HZ	19	1.04
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG21	11	1.04
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG22	11	1.04
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG23	11	1.04
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG21	19	1.04
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG22	19	1.04
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG23	19	1.04
(1,2132)	1:29:A:GLN:HB3	1:28:A:ALA:HB1	20	1.04
(1,2132)	1:29:A:GLN:HB3	1:28:A:ALA:HB2	20	1.04
(1,2132)	1:29:A:GLN:HB3	1:28:A:ALA:HB3	20	1.04
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG21	17	1.04
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG22	17	1.04
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG23	17	1.04
(1,2069)	1:163:A:LEU:HD11	1:159:A:VAL:HG21	15	1.04
(1,2069)	1:163:A:LEU:HD11	1:159:A:VAL:HG22	15	1.04
(1,2069)	1:163:A:LEU:HD11	1:159:A:VAL:HG23	15	1.04
(1,2069)	1:163:A:LEU:HD12	1:159:A:VAL:HG21	15	1.04
(1,2069)	1:163:A:LEU:HD12	1:159:A:VAL:HG22	15	1.04
(1,2069)	1:163:A:LEU:HD12	1:159:A:VAL:HG23	15	1.04
(1,2069)	1:163:A:LEU:HD13	1:159:A:VAL:HG21	15	1.04
(1,2069)	1:163:A:LEU:HD13	1:159:A:VAL:HG22	15	1.04
(1,2069)	1:163:A:LEU:HD13	1:159:A:VAL:HG23	15	1.04
(1,2069)	1:163:A:LEU:HD21	1:159:A:VAL:HG21	15	1.04
(1,2069)	1:163:A:LEU:HD21	1:159:A:VAL:HG22	15	1.04
(1,2069)	1:163:A:LEU:HD21	1:159:A:VAL:HG23	15	1.04
(1,2069)	1:163:A:LEU:HD22	1:159:A:VAL:HG21	15	1.04
(1,2069)	1:163:A:LEU:HD22	1:159:A:VAL:HG22	15	1.04
(1,2069)	1:163:A:LEU:HD22	1:159:A:VAL:HG23	15	1.04
(1,2069)	1:163:A:LEU:HD23	1:159:A:VAL:HG21	15	1.04
(1,2069)	1:163:A:LEU:HD23	1:159:A:VAL:HG22	15	1.04
(1,2069)	1:163:A:LEU:HD23	1:159:A:VAL:HG23	15	1.04
(1,1886)	1:125:A:TRP:HE3	1:129:A:VAL:HG11	11	1.04
(1,1886)	1:125:A:TRP:HE3	1:129:A:VAL:HG12	11	1.04
(1,1886)	1:125:A:TRP:HE3	1:129:A:VAL:HG13	11	1.04
(1,1675)	1:84:A:ASP:HB3	1:85:A:ILE:HG13	1	1.04
(1,1151)	1:27:A:VAL:HG11	1:176:A:GLY:HA3	2	1.04
(1,1151)	1:27:A:VAL:HG12	1:176:A:GLY:HA3	2	1.04
(1,1151)	1:27:A:VAL:HG13	1:176:A:GLY:HA3	2	1.04
(1,1129)	1:155:A:THR:HG21	1:152:A:GLY:HA3	15	1.04
(1,1129)	1:155:A:THR:HG22	1:152:A:GLY:HA3	15	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1129)	1:155:A:THR:HG23	1:152:A:GLY:HA3	15	1.04
(1,1071)	1:66:A:GLN:HE22	1:67:A:PRO:HD3	9	1.04
(1,962)	1:163:A:LEU:HB3	1:160:A:ASP:HA	12	1.04
(1,890)	1:77:A:GLN:HB3	1:76:A:ARG:HA	5	1.04
(1,528)	1:55:A:PRO:HD3	1:47:A:GLN:HE21	6	1.04
(1,404)	1:34:A:VAL:HG21	1:78:A:LEU:H	17	1.04
(1,404)	1:34:A:VAL:HG22	1:78:A:LEU:H	17	1.04
(1,404)	1:34:A:VAL:HG23	1:78:A:LEU:H	17	1.04
(1,239)	1:98:A:GLN:HB3	1:97:A:LEU:H	6	1.04
(1,239)	1:98:A:GLN:HB3	1:97:A:LEU:H	8	1.04
(1,190)	1:183:A:LEU:HD21	1:125:A:TRP:H	19	1.04
(1,190)	1:183:A:LEU:HD22	1:125:A:TRP:H	19	1.04
(1,190)	1:183:A:LEU:HD23	1:125:A:TRP:H	19	1.04
(1,178)	1:118:A:LEU:HD21	1:131:A:LEU:H	17	1.04
(1,178)	1:118:A:LEU:HD22	1:131:A:LEU:H	17	1.04
(1,178)	1:118:A:LEU:HD23	1:131:A:LEU:H	17	1.04
(1,108)	1:74:A:VAL:HG11	1:73:A:GLN:H	10	1.04
(1,108)	1:74:A:VAL:HG12	1:73:A:GLN:H	10	1.04
(1,108)	1:74:A:VAL:HG13	1:73:A:GLN:H	10	1.04
(1,108)	1:74:A:VAL:HG11	1:73:A:GLN:H	14	1.04
(1,108)	1:74:A:VAL:HG12	1:73:A:GLN:H	14	1.04
(1,108)	1:74:A:VAL:HG13	1:73:A:GLN:H	14	1.04
(1,108)	1:74:A:VAL:HG11	1:73:A:GLN:H	18	1.04
(1,108)	1:74:A:VAL:HG12	1:73:A:GLN:H	18	1.04
(1,108)	1:74:A:VAL:HG13	1:73:A:GLN:H	18	1.04
(1,108)	1:74:A:VAL:HG11	1:73:A:GLN:H	19	1.04
(1,108)	1:74:A:VAL:HG12	1:73:A:GLN:H	19	1.04
(1,108)	1:74:A:VAL:HG13	1:73:A:GLN:H	19	1.04
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD21	2	1.03
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD22	2	1.03
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD23	2	1.03
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD21	4	1.03
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD22	4	1.03
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD23	4	1.03
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD21	10	1.03
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD22	10	1.03
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD23	10	1.03
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD21	20	1.03
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD22	20	1.03
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD23	20	1.03
(1,2532)	1:34:A:VAL:HG21	1:177:A:TRP:HH2	5	1.03
(1,2532)	1:34:A:VAL:HG22	1:177:A:TRP:HH2	5	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2532)	1:34:A:VAL:HG23	1:177:A:TRP:HH2	5	1.03
(1,2365)	2:93:B:VAL:HG21	1:89:A:TYR:HD1	2	1.03
(1,2365)	2:93:B:VAL:HG21	1:89:A:TYR:HD2	2	1.03
(1,2365)	2:93:B:VAL:HG22	1:89:A:TYR:HD1	2	1.03
(1,2365)	2:93:B:VAL:HG22	1:89:A:TYR:HD2	2	1.03
(1,2365)	2:93:B:VAL:HG23	1:89:A:TYR:HD1	2	1.03
(1,2365)	2:93:B:VAL:HG23	1:89:A:TYR:HD2	2	1.03
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG21	17	1.03
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG22	17	1.03
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG23	17	1.03
(1,1983)	1:36:A:ARG:HG3	1:39:A:VAL:HG21	1	1.03
(1,1983)	1:36:A:ARG:HG3	1:39:A:VAL:HG22	1	1.03
(1,1983)	1:36:A:ARG:HG3	1:39:A:VAL:HG23	1	1.03
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG11	5	1.03
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG12	5	1.03
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG13	5	1.03
(1,1793)	1:35:A:PHE:HE1	1:36:A:ARG:HG3	3	1.03
(1,1793)	1:35:A:PHE:HE2	1:36:A:ARG:HG3	3	1.03
(1,1747)	1:142:A:VAL:H	1:102:A:PRO:HG3	20	1.03
(1,1746)	1:86:A:ASN:HB3	1:87:A:ARG:HG3	2	1.03
(1,1675)	1:84:A:ASP:HB3	1:85:A:ILE:HG13	7	1.03
(1,1554)	1:33:A:GLU:HB3	1:34:A:VAL:HB	8	1.03
(1,1479)	1:34:A:VAL:HG11	1:71:A:MET:HG3	1	1.03
(1,1479)	1:34:A:VAL:HG12	1:71:A:MET:HG3	1	1.03
(1,1479)	1:34:A:VAL:HG13	1:71:A:MET:HG3	1	1.03
(1,1103)	1:39:A:VAL:HG11	1:133:A:GLY:HA2	14	1.03
(1,1103)	1:39:A:VAL:HG11	1:133:A:GLY:HA3	14	1.03
(1,1103)	1:39:A:VAL:HG12	1:133:A:GLY:HA2	14	1.03
(1,1103)	1:39:A:VAL:HG12	1:133:A:GLY:HA3	14	1.03
(1,1103)	1:39:A:VAL:HG13	1:133:A:GLY:HA2	14	1.03
(1,1103)	1:39:A:VAL:HG13	1:133:A:GLY:HA3	14	1.03
(1,1001)	1:73:A:GLN:HG3	1:181:A:LEU:HA	4	1.03
(1,1001)	1:73:A:GLN:HG3	1:181:A:LEU:HA	15	1.03
(1,920)	1:20:A:PRO:HB3	1:21:A:SER:HA	20	1.03
(1,903)	1:87:A:ARG:HD3	1:87:A:ARG:HA	12	1.03
(1,3060)	1:100:A:LEU:HD11	2:83:B:ILE:HG13	10	1.02
(1,3060)	1:100:A:LEU:HD12	2:83:B:ILE:HG13	10	1.02
(1,3060)	1:100:A:LEU:HD13	2:83:B:ILE:HG13	10	1.02
(1,3060)	1:100:A:LEU:HD21	2:83:B:ILE:HG13	10	1.02
(1,3060)	1:100:A:LEU:HD22	2:83:B:ILE:HG13	10	1.02
(1,3060)	1:100:A:LEU:HD23	2:83:B:ILE:HG13	10	1.02
(1,2683)	2:84:B:ARG:HA	2:84:B:ARG:HD3	1	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2582)	1:140:A:LEU:HB3	1:136:A:TYR:HE1	10	1.02
(1,2582)	1:140:A:LEU:HB3	1:136:A:TYR:HE2	10	1.02
(1,2556)	1:183:A:LEU:HD21	1:125:A:TRP:HE3	14	1.02
(1,2556)	1:183:A:LEU:HD22	1:125:A:TRP:HE3	14	1.02
(1,2556)	1:183:A:LEU:HD23	1:125:A:TRP:HE3	14	1.02
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB1	7	1.02
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB2	7	1.02
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB3	7	1.02
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB1	17	1.02
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB2	17	1.02
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB3	17	1.02
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG11	1	1.02
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG12	1	1.02
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG13	1	1.02
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG11	2	1.02
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG12	2	1.02
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG13	2	1.02
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG11	16	1.02
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG12	16	1.02
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG13	16	1.02
(1,1793)	1:35:A:PHE:HE1	1:36:A:ARG:HG3	17	1.02
(1,1793)	1:35:A:PHE:HE2	1:36:A:ARG:HG3	17	1.02
(1,1675)	1:84:A:ASP:HB3	1:85:A:ILE:HG13	14	1.02
(1,1129)	1:155:A:THR:HG21	1:152:A:GLY:HA3	16	1.02
(1,1129)	1:155:A:THR:HG22	1:152:A:GLY:HA3	16	1.02
(1,1129)	1:155:A:THR:HG23	1:152:A:GLY:HA3	16	1.02
(1,1126)	1:153:A:GLN:HG3	1:152:A:GLY:HA2	6	1.02
(1,1087)	1:47:A:GLN:HE22	1:55:A:PRO:HD3	12	1.02
(1,920)	1:20:A:PRO:HB3	1:21:A:SER:HA	5	1.02
(1,903)	1:87:A:ARG:HD3	1:87:A:ARG:HA	7	1.02
(1,513)	1:150:A:PHE:HA	1:153:A:GLN:HE22	2	1.02
(1,404)	1:34:A:VAL:HG21	1:78:A:LEU:H	3	1.02
(1,404)	1:34:A:VAL:HG22	1:78:A:LEU:H	3	1.02
(1,404)	1:34:A:VAL:HG23	1:78:A:LEU:H	3	1.02
(1,190)	1:183:A:LEU:HD21	1:125:A:TRP:H	14	1.02
(1,190)	1:183:A:LEU:HD22	1:125:A:TRP:H	14	1.02
(1,190)	1:183:A:LEU:HD23	1:125:A:TRP:H	14	1.02
(1,21)	1:21:A:SER:HB3	1:22:A:ALA:H	2	1.02
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD21	3	1.01
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD22	3	1.01
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD23	3	1.01
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD21	6	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD22	6	1.01
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD23	6	1.01
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD21	11	1.01
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD22	11	1.01
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD23	11	1.01
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD21	14	1.01
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD22	14	1.01
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD23	14	1.01
(1,2532)	1:34:A:VAL:HG21	1:177:A:TRP:HH2	18	1.01
(1,2532)	1:34:A:VAL:HG22	1:177:A:TRP:HH2	18	1.01
(1,2532)	1:34:A:VAL:HG23	1:177:A:TRP:HH2	18	1.01
(1,2344)	1:160:A:ASP:HB3	1:164:A:HIS:HE1	18	1.01
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG21	2	1.01
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG22	2	1.01
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG23	2	1.01
(1,2069)	1:163:A:LEU:HD11	1:159:A:VAL:HG21	16	1.01
(1,2069)	1:163:A:LEU:HD11	1:159:A:VAL:HG22	16	1.01
(1,2069)	1:163:A:LEU:HD11	1:159:A:VAL:HG23	16	1.01
(1,2069)	1:163:A:LEU:HD12	1:159:A:VAL:HG21	16	1.01
(1,2069)	1:163:A:LEU:HD12	1:159:A:VAL:HG22	16	1.01
(1,2069)	1:163:A:LEU:HD12	1:159:A:VAL:HG23	16	1.01
(1,2069)	1:163:A:LEU:HD13	1:159:A:VAL:HG21	16	1.01
(1,2069)	1:163:A:LEU:HD13	1:159:A:VAL:HG22	16	1.01
(1,2069)	1:163:A:LEU:HD13	1:159:A:VAL:HG23	16	1.01
(1,2069)	1:163:A:LEU:HD21	1:159:A:VAL:HG21	16	1.01
(1,2069)	1:163:A:LEU:HD21	1:159:A:VAL:HG22	16	1.01
(1,2069)	1:163:A:LEU:HD21	1:159:A:VAL:HG23	16	1.01
(1,2069)	1:163:A:LEU:HD22	1:159:A:VAL:HG21	16	1.01
(1,2069)	1:163:A:LEU:HD22	1:159:A:VAL:HG22	16	1.01
(1,2069)	1:163:A:LEU:HD22	1:159:A:VAL:HG23	16	1.01
(1,2069)	1:163:A:LEU:HD23	1:159:A:VAL:HG21	16	1.01
(1,2069)	1:163:A:LEU:HD23	1:159:A:VAL:HG22	16	1.01
(1,2069)	1:163:A:LEU:HD23	1:159:A:VAL:HG23	16	1.01
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG11	14	1.01
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG12	14	1.01
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG13	14	1.01
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG11	18	1.01
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG12	18	1.01
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG13	18	1.01
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG11	20	1.01
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG12	20	1.01
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG13	20	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG11	10	1.01
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG12	10	1.01
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG13	10	1.01
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD21	11	1.01
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD22	11	1.01
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD23	11	1.01
(1,1682)	1:163:A:LEU:HB3	1:164:A:HIS:HB3	20	1.01
(1,1554)	1:33:A:GLU:HB3	1:34:A:VAL:HB	3	1.01
(1,1554)	1:33:A:GLU:HB3	1:34:A:VAL:HB	16	1.01
(1,1467)	1:61:A:VAL:HA	1:60:A:MET:HG3	11	1.01
(1,1129)	1:155:A:THR:HG21	1:152:A:GLY:HA3	3	1.01
(1,1129)	1:155:A:THR:HG22	1:152:A:GLY:HA3	3	1.01
(1,1129)	1:155:A:THR:HG23	1:152:A:GLY:HA3	3	1.01
(1,1033)	1:118:A:LEU:HD21	1:115:A:ALA:HA	17	1.01
(1,1033)	1:118:A:LEU:HD22	1:115:A:ALA:HA	17	1.01
(1,1033)	1:118:A:LEU:HD23	1:115:A:ALA:HA	17	1.01
(1,920)	1:20:A:PRO:HB3	1:21:A:SER:HA	7	1.01
(1,920)	1:20:A:PRO:HB3	1:21:A:SER:HA	12	1.01
(1,903)	1:87:A:ARG:HD3	1:87:A:ARG:HA	4	1.01
(1,841)	1:97:A:LEU:HD11	1:93:A:PHE:HA	20	1.01
(1,841)	1:97:A:LEU:HD12	1:93:A:PHE:HA	20	1.01
(1,841)	1:97:A:LEU:HD13	1:93:A:PHE:HA	20	1.01
(1,813)	1:92:A:GLU:HG3	1:91:A:SER:HB3	7	1.01
(1,689)	1:98:A:GLN:HB3	1:95:A:THR:HA	11	1.01
(1,528)	1:55:A:PRO:HD3	1:47:A:GLN:HE21	19	1.01
(1,404)	1:34:A:VAL:HG21	1:78:A:LEU:H	7	1.01
(1,404)	1:34:A:VAL:HG22	1:78:A:LEU:H	7	1.01
(1,404)	1:34:A:VAL:HG23	1:78:A:LEU:H	7	1.01
(1,2939)	2:99:B:ARG:HG3	2:100:B:SER:H	16	1.0
(1,2921)	2:92:B:MK8:HB1A	2:95:B:ASP:HB3	18	1.0
(1,2921)	2:92:B:MK8:HB1B	2:95:B:ASP:HB3	18	1.0
(1,2196)	1:118:A:LEU:HD21	1:114:A:ILE:HG21	6	1.0
(1,2196)	1:118:A:LEU:HD21	1:114:A:ILE:HG22	6	1.0
(1,2196)	1:118:A:LEU:HD21	1:114:A:ILE:HG23	6	1.0
(1,2196)	1:118:A:LEU:HD22	1:114:A:ILE:HG21	6	1.0
(1,2196)	1:118:A:LEU:HD22	1:114:A:ILE:HG22	6	1.0
(1,2196)	1:118:A:LEU:HD22	1:114:A:ILE:HG23	6	1.0
(1,2196)	1:118:A:LEU:HD23	1:114:A:ILE:HG21	6	1.0
(1,2196)	1:118:A:LEU:HD23	1:114:A:ILE:HG22	6	1.0
(1,2196)	1:118:A:LEU:HD23	1:114:A:ILE:HG23	6	1.0
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG21	1	1.0
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG22	1	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG23	1	1.0
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG21	10	1.0
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG22	10	1.0
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG23	10	1.0
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG11	13	1.0
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG12	13	1.0
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG13	13	1.0
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG11	17	1.0
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG12	17	1.0
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG13	17	1.0
(1,1554)	1:33:A:GLU:HB3	1:34:A:VAL:HB	15	1.0
(1,1129)	1:155:A:THR:HG21	1:152:A:GLY:HA3	4	1.0
(1,1129)	1:155:A:THR:HG22	1:152:A:GLY:HA3	4	1.0
(1,1129)	1:155:A:THR:HG23	1:152:A:GLY:HA3	4	1.0
(1,1033)	1:118:A:LEU:HD21	1:115:A:ALA:HA	3	1.0
(1,1033)	1:118:A:LEU:HD22	1:115:A:ALA:HA	3	1.0
(1,1033)	1:118:A:LEU:HD23	1:115:A:ALA:HA	3	1.0
(1,890)	1:77:A:GLN:HB3	1:76:A:ARG:HA	2	1.0
(1,890)	1:77:A:GLN:HB3	1:76:A:ARG:HA	9	1.0
(1,813)	1:92:A:GLU:HG3	1:91:A:SER:HB3	19	1.0
(1,653)	1:73:A:GLN:HG3	1:70:A:THR:HA	17	1.0
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD11	1	0.99
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD12	1	0.99
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD13	1	0.99
(1,2953)	1:85:A:ILE:HD11	2:100:B:SER:HB3	11	0.99
(1,2953)	1:85:A:ILE:HD12	2:100:B:SER:HB3	11	0.99
(1,2953)	1:85:A:ILE:HD13	2:100:B:SER:HB3	11	0.99
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB1	19	0.99
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB2	19	0.99
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB3	19	0.99
(1,2196)	1:118:A:LEU:HD21	1:114:A:ILE:HG21	17	0.99
(1,2196)	1:118:A:LEU:HD21	1:114:A:ILE:HG22	17	0.99
(1,2196)	1:118:A:LEU:HD21	1:114:A:ILE:HG23	17	0.99
(1,2196)	1:118:A:LEU:HD22	1:114:A:ILE:HG21	17	0.99
(1,2196)	1:118:A:LEU:HD22	1:114:A:ILE:HG22	17	0.99
(1,2196)	1:118:A:LEU:HD22	1:114:A:ILE:HG23	17	0.99
(1,2196)	1:118:A:LEU:HD23	1:114:A:ILE:HG21	17	0.99
(1,2196)	1:118:A:LEU:HD23	1:114:A:ILE:HG22	17	0.99
(1,2196)	1:118:A:LEU:HD23	1:114:A:ILE:HG23	17	0.99
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG21	8	0.99
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG22	8	0.99
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG23	8	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD11	10	0.99
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD12	10	0.99
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD13	10	0.99
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG11	7	0.99
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG12	7	0.99
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG13	7	0.99
(1,1983)	1:36:A:ARG:HG3	1:39:A:VAL:HG21	15	0.99
(1,1983)	1:36:A:ARG:HG3	1:39:A:VAL:HG22	15	0.99
(1,1983)	1:36:A:ARG:HG3	1:39:A:VAL:HG23	15	0.99
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG11	19	0.99
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG12	19	0.99
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG13	19	0.99
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG11	10	0.99
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG12	10	0.99
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG13	10	0.99
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG11	19	0.99
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG12	19	0.99
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG13	19	0.99
(1,1755)	1:56:A:ALA:H	1:55:A:PRO:HG3	8	0.99
(1,1682)	1:163:A:LEU:HB3	1:164:A:HIS:HB3	12	0.99
(1,1554)	1:33:A:GLU:HB3	1:34:A:VAL:HB	6	0.99
(1,1554)	1:33:A:GLU:HB3	1:34:A:VAL:HB	12	0.99
(1,1554)	1:33:A:GLU:HB3	1:34:A:VAL:HB	14	0.99
(1,1151)	1:27:A:VAL:HG11	1:176:A:GLY:HA3	14	0.99
(1,1151)	1:27:A:VAL:HG12	1:176:A:GLY:HA3	14	0.99
(1,1151)	1:27:A:VAL:HG13	1:176:A:GLY:HA3	14	0.99
(1,1130)	1:50:A:GLU:HB3	1:51:A:GLY:HA2	19	0.99
(1,1033)	1:118:A:LEU:HD21	1:115:A:ALA:HA	6	0.99
(1,1033)	1:118:A:LEU:HD22	1:115:A:ALA:HA	6	0.99
(1,1033)	1:118:A:LEU:HD23	1:115:A:ALA:HA	6	0.99
(1,962)	1:163:A:LEU:HB3	1:160:A:ASP:HA	2	0.99
(1,920)	1:20:A:PRO:HB3	1:21:A:SER:HA	15	0.99
(1,890)	1:77:A:GLN:HB3	1:76:A:ARG:HA	16	0.99
(1,689)	1:98:A:GLN:HB3	1:95:A:THR:HA	6	0.99
(1,239)	1:98:A:GLN:HB3	1:97:A:LEU:H	16	0.99
(1,90)	1:97:A:LEU:HD21	1:138:A:LEU:H	12	0.99
(1,90)	1:97:A:LEU:HD22	1:138:A:LEU:H	12	0.99
(1,90)	1:97:A:LEU:HD23	1:138:A:LEU:H	12	0.99
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD21	5	0.98
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD22	5	0.98
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD23	5	0.98
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD21	12	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD22	12	0.98
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD23	12	0.98
(1,2532)	1:34:A:VAL:HG21	1:177:A:TRP:HH2	4	0.98
(1,2532)	1:34:A:VAL:HG22	1:177:A:TRP:HH2	4	0.98
(1,2532)	1:34:A:VAL:HG23	1:177:A:TRP:HH2	4	0.98
(1,2532)	1:34:A:VAL:HG21	1:177:A:TRP:HH2	19	0.98
(1,2532)	1:34:A:VAL:HG22	1:177:A:TRP:HH2	19	0.98
(1,2532)	1:34:A:VAL:HG23	1:177:A:TRP:HH2	19	0.98
(1,2483)	1:147:A:LEU:HD21	1:150:A:PHE:HZ	13	0.98
(1,2483)	1:147:A:LEU:HD22	1:150:A:PHE:HZ	13	0.98
(1,2483)	1:147:A:LEU:HD23	1:150:A:PHE:HZ	13	0.98
(1,2318)	1:84:A:ASP:HB3	1:85:A:ILE:HD11	12	0.98
(1,2318)	1:84:A:ASP:HB3	1:85:A:ILE:HD12	12	0.98
(1,2318)	1:84:A:ASP:HB3	1:85:A:ILE:HD13	12	0.98
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB1	10	0.98
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB2	10	0.98
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB3	10	0.98
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE1	8	0.98
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE2	8	0.98
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE3	8	0.98
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE1	8	0.98
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE2	8	0.98
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE3	8	0.98
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE1	8	0.98
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE2	8	0.98
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE3	8	0.98
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG21	9	0.98
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG22	9	0.98
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG23	9	0.98
(1,2069)	1:163:A:LEU:HD11	1:159:A:VAL:HG21	13	0.98
(1,2069)	1:163:A:LEU:HD11	1:159:A:VAL:HG22	13	0.98
(1,2069)	1:163:A:LEU:HD11	1:159:A:VAL:HG23	13	0.98
(1,2069)	1:163:A:LEU:HD12	1:159:A:VAL:HG21	13	0.98
(1,2069)	1:163:A:LEU:HD12	1:159:A:VAL:HG22	13	0.98
(1,2069)	1:163:A:LEU:HD12	1:159:A:VAL:HG23	13	0.98
(1,2069)	1:163:A:LEU:HD13	1:159:A:VAL:HG21	13	0.98
(1,2069)	1:163:A:LEU:HD13	1:159:A:VAL:HG22	13	0.98
(1,2069)	1:163:A:LEU:HD13	1:159:A:VAL:HG23	13	0.98
(1,2069)	1:163:A:LEU:HD21	1:159:A:VAL:HG21	13	0.98
(1,2069)	1:163:A:LEU:HD21	1:159:A:VAL:HG22	13	0.98
(1,2069)	1:163:A:LEU:HD21	1:159:A:VAL:HG23	13	0.98
(1,2069)	1:163:A:LEU:HD22	1:159:A:VAL:HG21	13	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2069)	1:163:A:LEU:HD22	1:159:A:VAL:HG22	13	0.98
(1,2069)	1:163:A:LEU:HD22	1:159:A:VAL:HG23	13	0.98
(1,2069)	1:163:A:LEU:HD23	1:159:A:VAL:HG21	13	0.98
(1,2069)	1:163:A:LEU:HD23	1:159:A:VAL:HG22	13	0.98
(1,2069)	1:163:A:LEU:HD23	1:159:A:VAL:HG23	13	0.98
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD11	14	0.98
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD12	14	0.98
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD13	14	0.98
(1,1886)	1:125:A:TRP:HE3	1:129:A:VAL:HG11	2	0.98
(1,1886)	1:125:A:TRP:HE3	1:129:A:VAL:HG12	2	0.98
(1,1886)	1:125:A:TRP:HE3	1:129:A:VAL:HG13	2	0.98
(1,1886)	1:125:A:TRP:HE3	1:129:A:VAL:HG11	13	0.98
(1,1886)	1:125:A:TRP:HE3	1:129:A:VAL:HG12	13	0.98
(1,1886)	1:125:A:TRP:HE3	1:129:A:VAL:HG13	13	0.98
(1,1867)	1:73:A:GLN:HG3	1:181:A:LEU:HD11	13	0.98
(1,1867)	1:73:A:GLN:HG3	1:181:A:LEU:HD12	13	0.98
(1,1867)	1:73:A:GLN:HG3	1:181:A:LEU:HD13	13	0.98
(1,1735)	1:102:A:PRO:HD3	1:101:A:GLN:HB3	13	0.98
(1,1721)	1:165:A:HIS:HD2	1:167:A:ILE:HG13	18	0.98
(1,1467)	1:61:A:VAL:HA	1:60:A:MET:HG3	19	0.98
(1,1429)	1:159:A:VAL:HG11	1:32:A:GLU:HG3	16	0.98
(1,1429)	1:159:A:VAL:HG12	1:32:A:GLU:HG3	16	0.98
(1,1429)	1:159:A:VAL:HG13	1:32:A:GLU:HG3	16	0.98
(1,1424)	1:163:A:LEU:HD11	1:25:A:GLU:HG3	17	0.98
(1,1424)	1:163:A:LEU:HD12	1:25:A:GLU:HG3	17	0.98
(1,1424)	1:163:A:LEU:HD13	1:25:A:GLU:HG3	17	0.98
(1,1424)	1:163:A:LEU:HD21	1:25:A:GLU:HG3	17	0.98
(1,1424)	1:163:A:LEU:HD22	1:25:A:GLU:HG3	17	0.98
(1,1424)	1:163:A:LEU:HD23	1:25:A:GLU:HG3	17	0.98
(1,1129)	1:155:A:THR:HG21	1:152:A:GLY:HA3	8	0.98
(1,1129)	1:155:A:THR:HG22	1:152:A:GLY:HA3	8	0.98
(1,1129)	1:155:A:THR:HG23	1:152:A:GLY:HA3	8	0.98
(1,1020)	1:118:A:LEU:HD21	1:130:A:ALA:HA	19	0.98
(1,1020)	1:118:A:LEU:HD22	1:130:A:ALA:HA	19	0.98
(1,1020)	1:118:A:LEU:HD23	1:130:A:ALA:HA	19	0.98
(1,890)	1:77:A:GLN:HB3	1:76:A:ARG:HA	11	0.98
(1,841)	1:97:A:LEU:HD11	1:93:A:PHE:HA	3	0.98
(1,841)	1:97:A:LEU:HD12	1:93:A:PHE:HA	3	0.98
(1,841)	1:97:A:LEU:HD13	1:93:A:PHE:HA	3	0.98
(1,813)	1:92:A:GLU:HG3	1:91:A:SER:HB3	15	0.98
(1,689)	1:98:A:GLN:HB3	1:95:A:THR:HA	7	0.98
(1,139)	1:131:A:LEU:HD21	1:115:A:ALA:H	18	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,139)	1:131:A:LEU:HD22	1:115:A:ALA:H	18	0.98
(1,139)	1:131:A:LEU:HD23	1:115:A:ALA:H	18	0.98
(1,3056)	1:100:A:LEU:HD11	2:82:B:ILE:HG13	15	0.97
(1,3056)	1:100:A:LEU:HD12	2:82:B:ILE:HG13	15	0.97
(1,3056)	1:100:A:LEU:HD13	2:82:B:ILE:HG13	15	0.97
(1,3056)	1:100:A:LEU:HD21	2:82:B:ILE:HG13	15	0.97
(1,3056)	1:100:A:LEU:HD22	2:82:B:ILE:HG13	15	0.97
(1,3056)	1:100:A:LEU:HD23	2:82:B:ILE:HG13	15	0.97
(1,2921)	2:92:B:MK8:HB1A	2:95:B:ASP:HB3	1	0.97
(1,2921)	2:92:B:MK8:HB1B	2:95:B:ASP:HB3	1	0.97
(1,2902)	2:87:B:ALA:HA	2:90:B:LEU:HB3	3	0.97
(1,2318)	1:84:A:ASP:HB3	1:85:A:ILE:HD11	13	0.97
(1,2318)	1:84:A:ASP:HB3	1:85:A:ILE:HD12	13	0.97
(1,2318)	1:84:A:ASP:HB3	1:85:A:ILE:HD13	13	0.97
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB1	8	0.97
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB2	8	0.97
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB3	8	0.97
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE1	4	0.97
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE2	4	0.97
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE3	4	0.97
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE1	4	0.97
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE2	4	0.97
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE3	4	0.97
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE1	4	0.97
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE2	4	0.97
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE3	4	0.97
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG21	6	0.97
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG22	6	0.97
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG23	6	0.97
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG11	3	0.97
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG12	3	0.97
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG13	3	0.97
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG11	15	0.97
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG12	15	0.97
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG13	15	0.97
(1,1983)	1:36:A:ARG:HG3	1:39:A:VAL:HG21	8	0.97
(1,1983)	1:36:A:ARG:HG3	1:39:A:VAL:HG22	8	0.97
(1,1983)	1:36:A:ARG:HG3	1:39:A:VAL:HG23	8	0.97
(1,1968)	1:180:A:ALA:H	1:181:A:LEU:HD21	1	0.97
(1,1968)	1:180:A:ALA:H	1:181:A:LEU:HD22	1	0.97
(1,1968)	1:180:A:ALA:H	1:181:A:LEU:HD23	1	0.97
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG11	9	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG12	9	0.97
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG13	9	0.97
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD11	14	0.97
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD12	14	0.97
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD13	14	0.97
(1,1554)	1:33:A:GLU:HB3	1:34:A:VAL:HB	2	0.97
(1,1554)	1:33:A:GLU:HB3	1:34:A:VAL:HB	4	0.97
(1,1497)	1:150:A:PHE:HB3	1:153:A:GLN:HG3	10	0.97
(1,1121)	1:158:A:VAL:HG21	1:135:A:GLY:HA3	10	0.97
(1,1121)	1:158:A:VAL:HG22	1:135:A:GLY:HA3	10	0.97
(1,1121)	1:158:A:VAL:HG23	1:135:A:GLY:HA3	10	0.97
(1,1071)	1:66:A:GLN:HE22	1:67:A:PRO:HD3	3	0.97
(1,1012)	1:27:A:VAL:HG11	1:172:A:ALA:HA	1	0.97
(1,1012)	1:27:A:VAL:HG12	1:172:A:ALA:HA	1	0.97
(1,1012)	1:27:A:VAL:HG13	1:172:A:ALA:HA	1	0.97
(1,920)	1:20:A:PRO:HB3	1:21:A:SER:HA	8	0.97
(1,890)	1:77:A:GLN:HB3	1:76:A:ARG:HA	3	0.97
(1,841)	1:97:A:LEU:HD11	1:93:A:PHE:HA	12	0.97
(1,841)	1:97:A:LEU:HD12	1:93:A:PHE:HA	12	0.97
(1,841)	1:97:A:LEU:HD13	1:93:A:PHE:HA	12	0.97
(1,21)	1:21:A:SER:HB3	1:22:A:ALA:H	10	0.97
(1,2921)	2:92:B:MK8:HB1A	2:95:B:ASP:HB3	4	0.96
(1,2921)	2:92:B:MK8:HB1B	2:95:B:ASP:HB3	4	0.96
(1,2921)	2:92:B:MK8:HB1A	2:95:B:ASP:HB3	12	0.96
(1,2921)	2:92:B:MK8:HB1B	2:95:B:ASP:HB3	12	0.96
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD21	7	0.96
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD22	7	0.96
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD23	7	0.96
(1,2582)	1:140:A:LEU:HB3	1:136:A:TYR:HE1	9	0.96
(1,2582)	1:140:A:LEU:HB3	1:136:A:TYR:HE2	9	0.96
(1,2556)	1:183:A:LEU:HD21	1:125:A:TRP:HE3	10	0.96
(1,2556)	1:183:A:LEU:HD22	1:125:A:TRP:HE3	10	0.96
(1,2556)	1:183:A:LEU:HD23	1:125:A:TRP:HE3	10	0.96
(1,2398)	1:37:A:SER:HB3	1:40:A:PHE:HD1	3	0.96
(1,2398)	1:37:A:SER:HB3	1:40:A:PHE:HD2	3	0.96
(1,2196)	1:118:A:LEU:HD21	1:114:A:ILE:HG21	4	0.96
(1,2196)	1:118:A:LEU:HD21	1:114:A:ILE:HG22	4	0.96
(1,2196)	1:118:A:LEU:HD21	1:114:A:ILE:HG23	4	0.96
(1,2196)	1:118:A:LEU:HD22	1:114:A:ILE:HG21	4	0.96
(1,2196)	1:118:A:LEU:HD22	1:114:A:ILE:HG22	4	0.96
(1,2196)	1:118:A:LEU:HD22	1:114:A:ILE:HG23	4	0.96
(1,2196)	1:118:A:LEU:HD23	1:114:A:ILE:HG21	4	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2196)	1:118:A:LEU:HD23	1:114:A:ILE:HG22	4	0.96
(1,2196)	1:118:A:LEU:HD23	1:114:A:ILE:HG23	4	0.96
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG21	1	0.96
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG22	1	0.96
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG23	1	0.96
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG21	10	0.96
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG22	10	0.96
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG23	10	0.96
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG11	16	0.96
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG12	16	0.96
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG13	16	0.96
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG11	6	0.96
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG12	6	0.96
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG13	6	0.96
(1,1867)	1:73:A:GLN:HG3	1:181:A:LEU:HD11	4	0.96
(1,1867)	1:73:A:GLN:HG3	1:181:A:LEU:HD12	4	0.96
(1,1867)	1:73:A:GLN:HG3	1:181:A:LEU:HD13	4	0.96
(1,1867)	1:73:A:GLN:HG3	1:181:A:LEU:HD11	5	0.96
(1,1867)	1:73:A:GLN:HG3	1:181:A:LEU:HD12	5	0.96
(1,1867)	1:73:A:GLN:HG3	1:181:A:LEU:HD13	5	0.96
(1,1850)	1:39:A:VAL:HG21	1:63:A:LEU:HD21	12	0.96
(1,1850)	1:39:A:VAL:HG21	1:63:A:LEU:HD22	12	0.96
(1,1850)	1:39:A:VAL:HG21	1:63:A:LEU:HD23	12	0.96
(1,1850)	1:39:A:VAL:HG22	1:63:A:LEU:HD21	12	0.96
(1,1850)	1:39:A:VAL:HG22	1:63:A:LEU:HD22	12	0.96
(1,1850)	1:39:A:VAL:HG22	1:63:A:LEU:HD23	12	0.96
(1,1850)	1:39:A:VAL:HG23	1:63:A:LEU:HD21	12	0.96
(1,1850)	1:39:A:VAL:HG23	1:63:A:LEU:HD22	12	0.96
(1,1850)	1:39:A:VAL:HG23	1:63:A:LEU:HD23	12	0.96
(1,1850)	1:39:A:VAL:HG21	1:63:A:LEU:HD21	14	0.96
(1,1850)	1:39:A:VAL:HG21	1:63:A:LEU:HD22	14	0.96
(1,1850)	1:39:A:VAL:HG21	1:63:A:LEU:HD23	14	0.96
(1,1850)	1:39:A:VAL:HG22	1:63:A:LEU:HD21	14	0.96
(1,1850)	1:39:A:VAL:HG22	1:63:A:LEU:HD22	14	0.96
(1,1850)	1:39:A:VAL:HG22	1:63:A:LEU:HD23	14	0.96
(1,1850)	1:39:A:VAL:HG23	1:63:A:LEU:HD21	14	0.96
(1,1850)	1:39:A:VAL:HG23	1:63:A:LEU:HD22	14	0.96
(1,1850)	1:39:A:VAL:HG23	1:63:A:LEU:HD23	14	0.96
(1,1827)	1:162:A:MET:HE1	1:131:A:LEU:HD11	5	0.96
(1,1827)	1:162:A:MET:HE1	1:131:A:LEU:HD12	5	0.96
(1,1827)	1:162:A:MET:HE1	1:131:A:LEU:HD13	5	0.96
(1,1827)	1:162:A:MET:HE2	1:131:A:LEU:HD11	5	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1827)	1:162:A:MET:HE2	1:131:A:LEU:HD12	5	0.96
(1,1827)	1:162:A:MET:HE2	1:131:A:LEU:HD13	5	0.96
(1,1827)	1:162:A:MET:HE3	1:131:A:LEU:HD11	5	0.96
(1,1827)	1:162:A:MET:HE3	1:131:A:LEU:HD12	5	0.96
(1,1827)	1:162:A:MET:HE3	1:131:A:LEU:HD13	5	0.96
(1,1793)	1:35:A:PHE:HE1	1:36:A:ARG:HG3	18	0.96
(1,1793)	1:35:A:PHE:HE2	1:36:A:ARG:HG3	18	0.96
(1,1755)	1:56:A:ALA:H	1:55:A:PRO:HG3	2	0.96
(1,1755)	1:56:A:ALA:H	1:55:A:PRO:HG3	5	0.96
(1,1678)	2:82:B:ILE:HD11	1:99:A:HIS:HB3	1	0.96
(1,1678)	2:82:B:ILE:HD12	1:99:A:HIS:HB3	1	0.96
(1,1678)	2:82:B:ILE:HD13	1:99:A:HIS:HB3	1	0.96
(1,1249)	1:86:A:ASN:HD22	1:42:A:ARG:HD3	9	0.96
(1,1129)	1:155:A:THR:HG21	1:152:A:GLY:HA3	19	0.96
(1,1129)	1:155:A:THR:HG22	1:152:A:GLY:HA3	19	0.96
(1,1129)	1:155:A:THR:HG23	1:152:A:GLY:HA3	19	0.96
(1,923)	1:76:A:ARG:HG3	1:77:A:GLN:HA	19	0.96
(1,920)	1:20:A:PRO:HB3	1:21:A:SER:HA	11	0.96
(1,890)	1:77:A:GLN:HB3	1:76:A:ARG:HA	6	0.96
(1,841)	1:97:A:LEU:HD11	1:93:A:PHE:HA	7	0.96
(1,841)	1:97:A:LEU:HD12	1:93:A:PHE:HA	7	0.96
(1,841)	1:97:A:LEU:HD13	1:93:A:PHE:HA	7	0.96
(1,744)	1:21:A:SER:H	1:21:A:SER:HB3	1	0.96
(1,689)	1:98:A:GLN:HB3	1:95:A:THR:HA	8	0.96
(1,513)	1:150:A:PHE:HA	1:153:A:GLN:HE22	4	0.96
(1,2454)	1:147:A:LEU:HD21	1:150:A:PHE:HE1	8	0.95
(1,2454)	1:147:A:LEU:HD21	1:150:A:PHE:HE2	8	0.95
(1,2454)	1:147:A:LEU:HD22	1:150:A:PHE:HE1	8	0.95
(1,2454)	1:147:A:LEU:HD22	1:150:A:PHE:HE2	8	0.95
(1,2454)	1:147:A:LEU:HD23	1:150:A:PHE:HE1	8	0.95
(1,2454)	1:147:A:LEU:HD23	1:150:A:PHE:HE2	8	0.95
(1,2365)	2:93:B:VAL:HG21	1:89:A:TYR:HD1	13	0.95
(1,2365)	2:93:B:VAL:HG21	1:89:A:TYR:HD2	13	0.95
(1,2365)	2:93:B:VAL:HG22	1:89:A:TYR:HD1	13	0.95
(1,2365)	2:93:B:VAL:HG22	1:89:A:TYR:HD2	13	0.95
(1,2365)	2:93:B:VAL:HG23	1:89:A:TYR:HD1	13	0.95
(1,2365)	2:93:B:VAL:HG23	1:89:A:TYR:HD2	13	0.95
(1,2196)	1:118:A:LEU:HD21	1:114:A:ILE:HG21	3	0.95
(1,2196)	1:118:A:LEU:HD21	1:114:A:ILE:HG22	3	0.95
(1,2196)	1:118:A:LEU:HD21	1:114:A:ILE:HG23	3	0.95
(1,2196)	1:118:A:LEU:HD22	1:114:A:ILE:HG21	3	0.95
(1,2196)	1:118:A:LEU:HD22	1:114:A:ILE:HG22	3	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2196)	1:118:A:LEU:HD22	1:114:A:ILE:HG23	3	0.95
(1,2196)	1:118:A:LEU:HD23	1:114:A:ILE:HG21	3	0.95
(1,2196)	1:118:A:LEU:HD23	1:114:A:ILE:HG22	3	0.95
(1,2196)	1:118:A:LEU:HD23	1:114:A:ILE:HG23	3	0.95
(1,2163)	1:158:A:VAL:HG11	1:162:A:MET:HE1	10	0.95
(1,2163)	1:158:A:VAL:HG11	1:162:A:MET:HE2	10	0.95
(1,2163)	1:158:A:VAL:HG11	1:162:A:MET:HE3	10	0.95
(1,2163)	1:158:A:VAL:HG12	1:162:A:MET:HE1	10	0.95
(1,2163)	1:158:A:VAL:HG12	1:162:A:MET:HE2	10	0.95
(1,2163)	1:158:A:VAL:HG12	1:162:A:MET:HE3	10	0.95
(1,2163)	1:158:A:VAL:HG13	1:162:A:MET:HE1	10	0.95
(1,2163)	1:158:A:VAL:HG13	1:162:A:MET:HE2	10	0.95
(1,2163)	1:158:A:VAL:HG13	1:162:A:MET:HE3	10	0.95
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG11	1	0.95
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG12	1	0.95
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG13	1	0.95
(1,1983)	1:36:A:ARG:HG3	1:39:A:VAL:HG21	7	0.95
(1,1983)	1:36:A:ARG:HG3	1:39:A:VAL:HG22	7	0.95
(1,1983)	1:36:A:ARG:HG3	1:39:A:VAL:HG23	7	0.95
(1,1968)	1:180:A:ALA:H	1:181:A:LEU:HD21	9	0.95
(1,1968)	1:180:A:ALA:H	1:181:A:LEU:HD22	9	0.95
(1,1968)	1:180:A:ALA:H	1:181:A:LEU:HD23	9	0.95
(1,1886)	1:125:A:TRP:HE3	1:129:A:VAL:HG11	19	0.95
(1,1886)	1:125:A:TRP:HE3	1:129:A:VAL:HG12	19	0.95
(1,1886)	1:125:A:TRP:HE3	1:129:A:VAL:HG13	19	0.95
(1,1867)	1:73:A:GLN:HG3	1:181:A:LEU:HD11	19	0.95
(1,1867)	1:73:A:GLN:HG3	1:181:A:LEU:HD12	19	0.95
(1,1867)	1:73:A:GLN:HG3	1:181:A:LEU:HD13	19	0.95
(1,1755)	1:56:A:ALA:H	1:55:A:PRO:HG3	4	0.95
(1,1755)	1:56:A:ALA:H	1:55:A:PRO:HG3	6	0.95
(1,1755)	1:56:A:ALA:H	1:55:A:PRO:HG3	19	0.95
(1,1747)	1:142:A:VAL:H	1:102:A:PRO:HG3	8	0.95
(1,1249)	1:86:A:ASN:HD22	1:42:A:ARG:HD3	15	0.95
(1,1129)	1:155:A:THR:HG21	1:152:A:GLY:HA3	13	0.95
(1,1129)	1:155:A:THR:HG22	1:152:A:GLY:HA3	13	0.95
(1,1129)	1:155:A:THR:HG23	1:152:A:GLY:HA3	13	0.95
(1,1129)	1:155:A:THR:HG21	1:152:A:GLY:HA3	14	0.95
(1,1129)	1:155:A:THR:HG22	1:152:A:GLY:HA3	14	0.95
(1,1129)	1:155:A:THR:HG23	1:152:A:GLY:HA3	14	0.95
(1,1001)	1:73:A:GLN:HG3	1:181:A:LEU:HA	2	0.95
(1,927)	1:141:A:HIS:HB3	1:138:A:LEU:HA	20	0.95
(1,923)	1:76:A:ARG:HG3	1:77:A:GLN:HA	4	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,890)	1:77:A:GLN:HB3	1:76:A:ARG:HA	12	0.95
(1,861)	1:46:A:GLU:HB3	1:43:A:HIS:HA	13	0.95
(1,744)	1:21:A:SER:H	1:21:A:SER:HB3	4	0.95
(1,732)	1:66:A:GLN:HG3	1:69:A:SER:HB3	4	0.95
(1,689)	1:98:A:GLN:HB3	1:95:A:THR:HA	1	0.95
(1,513)	1:150:A:PHE:HA	1:153:A:GLN:HE22	20	0.95
(1,508)	1:42:A:ARG:HD3	1:86:A:ASN:HD21	15	0.95
(1,282)	1:47:A:GLN:HB3	1:47:A:GLN:H	2	0.95
(1,282)	1:47:A:GLN:HB3	1:47:A:GLN:H	10	0.95
(1,282)	1:47:A:GLN:HB3	1:47:A:GLN:H	11	0.95
(1,282)	1:47:A:GLN:HB3	1:47:A:GLN:H	18	0.95
(1,282)	1:47:A:GLN:HB3	1:47:A:GLN:H	19	0.95
(1,282)	1:47:A:GLN:HB3	1:47:A:GLN:H	20	0.95
(1,90)	1:97:A:LEU:HD21	1:138:A:LEU:H	7	0.95
(1,90)	1:97:A:LEU:HD22	1:138:A:LEU:H	7	0.95
(1,90)	1:97:A:LEU:HD23	1:138:A:LEU:H	7	0.95
(1,2967)	1:113:A:LYS:HG3	2:86:B:ILE:HG21	10	0.94
(1,2967)	1:113:A:LYS:HG3	2:86:B:ILE:HG22	10	0.94
(1,2967)	1:113:A:LYS:HG3	2:86:B:ILE:HG23	10	0.94
(1,2822)	2:88:B:ARG:HA	2:88:B:ARG:HD3	18	0.94
(1,2532)	1:34:A:VAL:HG21	1:177:A:TRP:HH2	15	0.94
(1,2532)	1:34:A:VAL:HG22	1:177:A:TRP:HH2	15	0.94
(1,2532)	1:34:A:VAL:HG23	1:177:A:TRP:HH2	15	0.94
(1,2417)	1:136:A:TYR:HB3	1:35:A:PHE:HE1	19	0.94
(1,2417)	1:136:A:TYR:HB3	1:35:A:PHE:HE2	19	0.94
(1,2196)	1:118:A:LEU:HD21	1:114:A:ILE:HG21	9	0.94
(1,2196)	1:118:A:LEU:HD21	1:114:A:ILE:HG22	9	0.94
(1,2196)	1:118:A:LEU:HD21	1:114:A:ILE:HG23	9	0.94
(1,2196)	1:118:A:LEU:HD22	1:114:A:ILE:HG21	9	0.94
(1,2196)	1:118:A:LEU:HD22	1:114:A:ILE:HG22	9	0.94
(1,2196)	1:118:A:LEU:HD22	1:114:A:ILE:HG23	9	0.94
(1,2196)	1:118:A:LEU:HD23	1:114:A:ILE:HG21	9	0.94
(1,2196)	1:118:A:LEU:HD23	1:114:A:ILE:HG22	9	0.94
(1,2196)	1:118:A:LEU:HD23	1:114:A:ILE:HG23	9	0.94
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD21	1	0.94
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD22	1	0.94
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD23	1	0.94
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD21	18	0.94
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD22	18	0.94
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD23	18	0.94
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG11	5	0.94
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG12	5	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG13	5	0.94
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG11	8	0.94
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG12	8	0.94
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG13	8	0.94
(1,1850)	1:39:A:VAL:HG21	1:63:A:LEU:HD21	4	0.94
(1,1850)	1:39:A:VAL:HG21	1:63:A:LEU:HD22	4	0.94
(1,1850)	1:39:A:VAL:HG21	1:63:A:LEU:HD23	4	0.94
(1,1850)	1:39:A:VAL:HG22	1:63:A:LEU:HD21	4	0.94
(1,1850)	1:39:A:VAL:HG22	1:63:A:LEU:HD22	4	0.94
(1,1850)	1:39:A:VAL:HG22	1:63:A:LEU:HD23	4	0.94
(1,1850)	1:39:A:VAL:HG23	1:63:A:LEU:HD21	4	0.94
(1,1850)	1:39:A:VAL:HG23	1:63:A:LEU:HD22	4	0.94
(1,1850)	1:39:A:VAL:HG23	1:63:A:LEU:HD23	4	0.94
(1,1755)	1:56:A:ALA:H	1:55:A:PRO:HG3	20	0.94
(1,1554)	1:33:A:GLU:HB3	1:34:A:VAL:HB	10	0.94
(1,1467)	1:61:A:VAL:HA	1:60:A:MET:HG3	4	0.94
(1,1103)	1:39:A:VAL:HG11	1:133:A:GLY:HA2	3	0.94
(1,1103)	1:39:A:VAL:HG11	1:133:A:GLY:HA3	3	0.94
(1,1103)	1:39:A:VAL:HG12	1:133:A:GLY:HA2	3	0.94
(1,1103)	1:39:A:VAL:HG12	1:133:A:GLY:HA3	3	0.94
(1,1103)	1:39:A:VAL:HG13	1:133:A:GLY:HA2	3	0.94
(1,1103)	1:39:A:VAL:HG13	1:133:A:GLY:HA3	3	0.94
(1,981)	1:101:A:GLN:HG3	1:99:A:HIS:HA	17	0.94
(1,890)	1:77:A:GLN:HB3	1:76:A:ARG:HA	20	0.94
(1,513)	1:150:A:PHE:HA	1:153:A:GLN:HE22	9	0.94
(1,513)	1:150:A:PHE:HA	1:153:A:GLN:HE22	18	0.94
(1,491)	1:163:A:LEU:HB3	1:164:A:HIS:H	10	0.94
(1,378)	1:50:A:GLU:HG3	1:50:A:GLU:H	13	0.94
(1,3067)	1:118:A:LEU:HD11	2:90:B:LEU:HB3	9	0.93
(1,3067)	1:118:A:LEU:HD12	2:90:B:LEU:HB3	9	0.93
(1,3067)	1:118:A:LEU:HD13	2:90:B:LEU:HB3	9	0.93
(1,3067)	1:118:A:LEU:HD21	2:90:B:LEU:HB3	9	0.93
(1,3067)	1:118:A:LEU:HD22	2:90:B:LEU:HB3	9	0.93
(1,3067)	1:118:A:LEU:HD23	2:90:B:LEU:HB3	9	0.93
(1,2967)	1:113:A:LYS:HG3	2:86:B:ILE:HG21	8	0.93
(1,2967)	1:113:A:LYS:HG3	2:86:B:ILE:HG22	8	0.93
(1,2967)	1:113:A:LYS:HG3	2:86:B:ILE:HG23	8	0.93
(1,2967)	1:113:A:LYS:HG3	2:86:B:ILE:HG21	19	0.93
(1,2967)	1:113:A:LYS:HG3	2:86:B:ILE:HG22	19	0.93
(1,2967)	1:113:A:LYS:HG3	2:86:B:ILE:HG23	19	0.93
(1,2921)	2:92:B:MK8:HB1A	2:95:B:ASP:HB3	8	0.93
(1,2921)	2:92:B:MK8:HB1B	2:95:B:ASP:HB3	8	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2532)	1:34:A:VAL:HG21	1:177:A:TRP:HH2	12	0.93
(1,2532)	1:34:A:VAL:HG22	1:177:A:TRP:HH2	12	0.93
(1,2532)	1:34:A:VAL:HG23	1:177:A:TRP:HH2	12	0.93
(1,2382)	1:147:A:LEU:HD21	1:150:A:PHE:HD1	6	0.93
(1,2382)	1:147:A:LEU:HD21	1:150:A:PHE:HD2	6	0.93
(1,2382)	1:147:A:LEU:HD22	1:150:A:PHE:HD1	6	0.93
(1,2382)	1:147:A:LEU:HD22	1:150:A:PHE:HD2	6	0.93
(1,2382)	1:147:A:LEU:HD23	1:150:A:PHE:HD1	6	0.93
(1,2382)	1:147:A:LEU:HD23	1:150:A:PHE:HD2	6	0.93
(1,2382)	1:147:A:LEU:HD21	1:150:A:PHE:HD1	7	0.93
(1,2382)	1:147:A:LEU:HD21	1:150:A:PHE:HD2	7	0.93
(1,2382)	1:147:A:LEU:HD22	1:150:A:PHE:HD1	7	0.93
(1,2382)	1:147:A:LEU:HD22	1:150:A:PHE:HD2	7	0.93
(1,2382)	1:147:A:LEU:HD23	1:150:A:PHE:HD1	7	0.93
(1,2382)	1:147:A:LEU:HD23	1:150:A:PHE:HD2	7	0.93
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG21	3	0.93
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG22	3	0.93
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG23	3	0.93
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG21	15	0.93
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG22	15	0.93
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG23	15	0.93
(1,2051)	1:184:A:GLY:H	1:183:A:LEU:HD11	17	0.93
(1,2051)	1:184:A:GLY:H	1:183:A:LEU:HD12	17	0.93
(1,2051)	1:184:A:GLY:H	1:183:A:LEU:HD13	17	0.93
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG11	5	0.93
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG12	5	0.93
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG13	5	0.93
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG11	8	0.93
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG12	8	0.93
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG13	8	0.93
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG11	14	0.93
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG12	14	0.93
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG13	14	0.93
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG11	19	0.93
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG12	19	0.93
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG13	19	0.93
(1,1983)	1:36:A:ARG:HG3	1:39:A:VAL:HG21	17	0.93
(1,1983)	1:36:A:ARG:HG3	1:39:A:VAL:HG22	17	0.93
(1,1983)	1:36:A:ARG:HG3	1:39:A:VAL:HG23	17	0.93
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG11	1	0.93
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG12	1	0.93
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG13	1	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1886)	1:125:A:TRP:HE3	1:129:A:VAL:HG11	7	0.93
(1,1886)	1:125:A:TRP:HE3	1:129:A:VAL:HG12	7	0.93
(1,1886)	1:125:A:TRP:HE3	1:129:A:VAL:HG13	7	0.93
(1,1886)	1:125:A:TRP:HE3	1:129:A:VAL:HG11	9	0.93
(1,1886)	1:125:A:TRP:HE3	1:129:A:VAL:HG12	9	0.93
(1,1886)	1:125:A:TRP:HE3	1:129:A:VAL:HG13	9	0.93
(1,1676)	1:101:A:GLN:HG3	1:99:A:HIS:HB3	16	0.93
(1,1554)	1:33:A:GLU:HB3	1:34:A:VAL:HB	7	0.93
(1,1554)	1:33:A:GLU:HB3	1:34:A:VAL:HB	9	0.93
(1,1554)	1:33:A:GLU:HB3	1:34:A:VAL:HB	17	0.93
(1,1151)	1:27:A:VAL:HG11	1:176:A:GLY:HA3	6	0.93
(1,1151)	1:27:A:VAL:HG12	1:176:A:GLY:HA3	6	0.93
(1,1151)	1:27:A:VAL:HG13	1:176:A:GLY:HA3	6	0.93
(1,1129)	1:155:A:THR:HG21	1:152:A:GLY:HA3	10	0.93
(1,1129)	1:155:A:THR:HG22	1:152:A:GLY:HA3	10	0.93
(1,1129)	1:155:A:THR:HG23	1:152:A:GLY:HA3	10	0.93
(1,1103)	1:39:A:VAL:HG11	1:133:A:GLY:HA2	5	0.93
(1,1103)	1:39:A:VAL:HG11	1:133:A:GLY:HA3	5	0.93
(1,1103)	1:39:A:VAL:HG12	1:133:A:GLY:HA2	5	0.93
(1,1103)	1:39:A:VAL:HG12	1:133:A:GLY:HA3	5	0.93
(1,1103)	1:39:A:VAL:HG13	1:133:A:GLY:HA2	5	0.93
(1,1103)	1:39:A:VAL:HG13	1:133:A:GLY:HA3	5	0.93
(1,923)	1:76:A:ARG:HG3	1:77:A:GLN:HA	6	0.93
(1,921)	1:98:A:GLN:HE22	1:98:A:GLN:HA	9	0.93
(1,920)	1:20:A:PRO:HB3	1:21:A:SER:HA	17	0.93
(1,861)	1:46:A:GLU:HB3	1:43:A:HIS:HA	15	0.93
(1,513)	1:150:A:PHE:HA	1:153:A:GLN:HE22	1	0.93
(1,513)	1:150:A:PHE:HA	1:153:A:GLN:HE22	19	0.93
(1,74)	1:63:A:LEU:HD11	1:65:A:LEU:H	4	0.93
(1,74)	1:63:A:LEU:HD12	1:65:A:LEU:H	4	0.93
(1,74)	1:63:A:LEU:HD13	1:65:A:LEU:H	4	0.93
(1,2582)	1:140:A:LEU:HB3	1:136:A:TYR:HE1	5	0.92
(1,2582)	1:140:A:LEU:HB3	1:136:A:TYR:HE2	5	0.92
(1,2582)	1:140:A:LEU:HB3	1:136:A:TYR:HE1	14	0.92
(1,2582)	1:140:A:LEU:HB3	1:136:A:TYR:HE2	14	0.92
(1,2344)	1:160:A:ASP:HB3	1:164:A:HIS:HE1	11	0.92
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE1	11	0.92
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE2	11	0.92
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE3	11	0.92
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE1	11	0.92
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE2	11	0.92
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE3	11	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE1	11	0.92
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE2	11	0.92
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE3	11	0.92
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG21	15	0.92
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG22	15	0.92
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG23	15	0.92
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG11	4	0.92
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG12	4	0.92
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG13	4	0.92
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG11	10	0.92
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG12	10	0.92
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG13	10	0.92
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG11	10	0.92
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG12	10	0.92
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG13	10	0.92
(1,1497)	1:150:A:PHE:HB3	1:153:A:GLN:HG3	5	0.92
(1,1424)	1:163:A:LEU:HD11	1:25:A:GLU:HG3	18	0.92
(1,1424)	1:163:A:LEU:HD12	1:25:A:GLU:HG3	18	0.92
(1,1424)	1:163:A:LEU:HD13	1:25:A:GLU:HG3	18	0.92
(1,1424)	1:163:A:LEU:HD21	1:25:A:GLU:HG3	18	0.92
(1,1424)	1:163:A:LEU:HD22	1:25:A:GLU:HG3	18	0.92
(1,1424)	1:163:A:LEU:HD23	1:25:A:GLU:HG3	18	0.92
(1,1151)	1:27:A:VAL:HG11	1:176:A:GLY:HA3	12	0.92
(1,1151)	1:27:A:VAL:HG12	1:176:A:GLY:HA3	12	0.92
(1,1151)	1:27:A:VAL:HG13	1:176:A:GLY:HA3	12	0.92
(1,1129)	1:155:A:THR:HG21	1:152:A:GLY:HA3	2	0.92
(1,1129)	1:155:A:THR:HG22	1:152:A:GLY:HA3	2	0.92
(1,1129)	1:155:A:THR:HG23	1:152:A:GLY:HA3	2	0.92
(1,1129)	1:155:A:THR:HG21	1:152:A:GLY:HA3	6	0.92
(1,1129)	1:155:A:THR:HG22	1:152:A:GLY:HA3	6	0.92
(1,1129)	1:155:A:THR:HG23	1:152:A:GLY:HA3	6	0.92
(1,1001)	1:73:A:GLN:HG3	1:181:A:LEU:HA	5	0.92
(1,1001)	1:73:A:GLN:HG3	1:181:A:LEU:HA	13	0.92
(1,890)	1:77:A:GLN:HB3	1:76:A:ARG:HA	1	0.92
(1,890)	1:77:A:GLN:HB3	1:76:A:ARG:HA	14	0.92
(1,841)	1:97:A:LEU:HD11	1:93:A:PHE:HA	1	0.92
(1,841)	1:97:A:LEU:HD12	1:93:A:PHE:HA	1	0.92
(1,841)	1:97:A:LEU:HD13	1:93:A:PHE:HA	1	0.92
(1,744)	1:21:A:SER:H	1:21:A:SER:HB3	6	0.92
(1,689)	1:98:A:GLN:HB3	1:95:A:THR:HA	5	0.92
(1,689)	1:98:A:GLN:HB3	1:95:A:THR:HA	17	0.92
(1,653)	1:73:A:GLN:HG3	1:70:A:THR:HA	6	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,653)	1:73:A:GLN:HG3	1:70:A:THR:HA	9	0.92
(1,508)	1:42:A:ARG:HD3	1:86:A:ASN:HD21	1	0.92
(1,378)	1:50:A:GLU:HG3	1:50:A:GLU:H	16	0.92
(1,298)	1:88:A:ARG:HD3	1:88:A:ARG:H	18	0.92
(1,2902)	2:87:B:ALA:HA	2:90:B:LEU:HB3	18	0.91
(1,2196)	1:118:A:LEU:HD21	1:114:A:ILE:HG21	12	0.91
(1,2196)	1:118:A:LEU:HD21	1:114:A:ILE:HG22	12	0.91
(1,2196)	1:118:A:LEU:HD21	1:114:A:ILE:HG23	12	0.91
(1,2196)	1:118:A:LEU:HD22	1:114:A:ILE:HG21	12	0.91
(1,2196)	1:118:A:LEU:HD22	1:114:A:ILE:HG22	12	0.91
(1,2196)	1:118:A:LEU:HD22	1:114:A:ILE:HG23	12	0.91
(1,2196)	1:118:A:LEU:HD23	1:114:A:ILE:HG21	12	0.91
(1,2196)	1:118:A:LEU:HD23	1:114:A:ILE:HG22	12	0.91
(1,2196)	1:118:A:LEU:HD23	1:114:A:ILE:HG23	12	0.91
(1,2185)	1:183:A:LEU:HD21	1:180:A:ALA:HB1	7	0.91
(1,2185)	1:183:A:LEU:HD21	1:180:A:ALA:HB2	7	0.91
(1,2185)	1:183:A:LEU:HD21	1:180:A:ALA:HB3	7	0.91
(1,2185)	1:183:A:LEU:HD22	1:180:A:ALA:HB1	7	0.91
(1,2185)	1:183:A:LEU:HD22	1:180:A:ALA:HB2	7	0.91
(1,2185)	1:183:A:LEU:HD22	1:180:A:ALA:HB3	7	0.91
(1,2185)	1:183:A:LEU:HD23	1:180:A:ALA:HB1	7	0.91
(1,2185)	1:183:A:LEU:HD23	1:180:A:ALA:HB2	7	0.91
(1,2185)	1:183:A:LEU:HD23	1:180:A:ALA:HB3	7	0.91
(1,2069)	1:163:A:LEU:HD11	1:159:A:VAL:HG21	17	0.91
(1,2069)	1:163:A:LEU:HD11	1:159:A:VAL:HG22	17	0.91
(1,2069)	1:163:A:LEU:HD11	1:159:A:VAL:HG23	17	0.91
(1,2069)	1:163:A:LEU:HD12	1:159:A:VAL:HG21	17	0.91
(1,2069)	1:163:A:LEU:HD12	1:159:A:VAL:HG22	17	0.91
(1,2069)	1:163:A:LEU:HD12	1:159:A:VAL:HG23	17	0.91
(1,2069)	1:163:A:LEU:HD13	1:159:A:VAL:HG21	17	0.91
(1,2069)	1:163:A:LEU:HD13	1:159:A:VAL:HG22	17	0.91
(1,2069)	1:163:A:LEU:HD13	1:159:A:VAL:HG23	17	0.91
(1,2069)	1:163:A:LEU:HD21	1:159:A:VAL:HG21	17	0.91
(1,2069)	1:163:A:LEU:HD21	1:159:A:VAL:HG22	17	0.91
(1,2069)	1:163:A:LEU:HD21	1:159:A:VAL:HG23	17	0.91
(1,2069)	1:163:A:LEU:HD22	1:159:A:VAL:HG21	17	0.91
(1,2069)	1:163:A:LEU:HD22	1:159:A:VAL:HG22	17	0.91
(1,2069)	1:163:A:LEU:HD22	1:159:A:VAL:HG23	17	0.91
(1,2069)	1:163:A:LEU:HD23	1:159:A:VAL:HG21	17	0.91
(1,2069)	1:163:A:LEU:HD23	1:159:A:VAL:HG22	17	0.91
(1,2069)	1:163:A:LEU:HD23	1:159:A:VAL:HG23	17	0.91
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD11	13	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD12	13	0.91
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD13	13	0.91
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG11	5	0.91
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG12	5	0.91
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG13	5	0.91
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG11	7	0.91
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG12	7	0.91
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG13	7	0.91
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG11	20	0.91
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG12	20	0.91
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG13	20	0.91
(1,1793)	1:35:A:PHE:HE1	1:36:A:ARG:HG3	4	0.91
(1,1793)	1:35:A:PHE:HE2	1:36:A:ARG:HG3	4	0.91
(1,1554)	1:33:A:GLU:HB3	1:34:A:VAL:HB	11	0.91
(1,921)	1:98:A:GLN:HE22	1:98:A:GLN:HA	15	0.91
(1,890)	1:77:A:GLN:HB3	1:76:A:ARG:HA	15	0.91
(1,801)	1:34:A:VAL:HG21	1:35:A:PHE:HA	1	0.91
(1,801)	1:34:A:VAL:HG22	1:35:A:PHE:HA	1	0.91
(1,801)	1:34:A:VAL:HG23	1:35:A:PHE:HA	1	0.91
(1,801)	1:34:A:VAL:HG21	1:35:A:PHE:HA	3	0.91
(1,801)	1:34:A:VAL:HG22	1:35:A:PHE:HA	3	0.91
(1,801)	1:34:A:VAL:HG23	1:35:A:PHE:HA	3	0.91
(1,801)	1:34:A:VAL:HG21	1:35:A:PHE:HA	4	0.91
(1,801)	1:34:A:VAL:HG22	1:35:A:PHE:HA	4	0.91
(1,801)	1:34:A:VAL:HG23	1:35:A:PHE:HA	4	0.91
(1,801)	1:34:A:VAL:HG21	1:35:A:PHE:HA	5	0.91
(1,801)	1:34:A:VAL:HG22	1:35:A:PHE:HA	5	0.91
(1,801)	1:34:A:VAL:HG23	1:35:A:PHE:HA	5	0.91
(1,801)	1:34:A:VAL:HG21	1:35:A:PHE:HA	9	0.91
(1,801)	1:34:A:VAL:HG22	1:35:A:PHE:HA	9	0.91
(1,801)	1:34:A:VAL:HG23	1:35:A:PHE:HA	9	0.91
(1,801)	1:34:A:VAL:HG21	1:35:A:PHE:HA	11	0.91
(1,801)	1:34:A:VAL:HG22	1:35:A:PHE:HA	11	0.91
(1,801)	1:34:A:VAL:HG23	1:35:A:PHE:HA	11	0.91
(1,801)	1:34:A:VAL:HG21	1:35:A:PHE:HA	14	0.91
(1,801)	1:34:A:VAL:HG22	1:35:A:PHE:HA	14	0.91
(1,801)	1:34:A:VAL:HG23	1:35:A:PHE:HA	14	0.91
(1,801)	1:34:A:VAL:HG21	1:35:A:PHE:HA	15	0.91
(1,801)	1:34:A:VAL:HG22	1:35:A:PHE:HA	15	0.91
(1,801)	1:34:A:VAL:HG23	1:35:A:PHE:HA	15	0.91
(1,801)	1:34:A:VAL:HG21	1:35:A:PHE:HA	19	0.91
(1,801)	1:34:A:VAL:HG22	1:35:A:PHE:HA	19	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,801)	1:34:A:VAL:HG23	1:35:A:PHE:HA	19	0.91
(1,653)	1:73:A:GLN:HG3	1:70:A:THR:HA	19	0.91
(1,404)	1:34:A:VAL:HG21	1:78:A:LEU:H	14	0.91
(1,404)	1:34:A:VAL:HG22	1:78:A:LEU:H	14	0.91
(1,404)	1:34:A:VAL:HG23	1:78:A:LEU:H	14	0.91
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD21	18	0.9
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD22	18	0.9
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD23	18	0.9
(1,2667)	2:92:B:MK8:HB1A	2:95:B:ASP:HB3	20	0.9
(1,2667)	2:92:B:MK8:HB1B	2:95:B:ASP:HB3	20	0.9
(1,2532)	1:34:A:VAL:HG21	1:177:A:TRP:HH2	13	0.9
(1,2532)	1:34:A:VAL:HG22	1:177:A:TRP:HH2	13	0.9
(1,2532)	1:34:A:VAL:HG23	1:177:A:TRP:HH2	13	0.9
(1,2185)	1:183:A:LEU:HD21	1:180:A:ALA:HB1	20	0.9
(1,2185)	1:183:A:LEU:HD21	1:180:A:ALA:HB2	20	0.9
(1,2185)	1:183:A:LEU:HD21	1:180:A:ALA:HB3	20	0.9
(1,2185)	1:183:A:LEU:HD22	1:180:A:ALA:HB1	20	0.9
(1,2185)	1:183:A:LEU:HD22	1:180:A:ALA:HB2	20	0.9
(1,2185)	1:183:A:LEU:HD22	1:180:A:ALA:HB3	20	0.9
(1,2185)	1:183:A:LEU:HD23	1:180:A:ALA:HB1	20	0.9
(1,2185)	1:183:A:LEU:HD23	1:180:A:ALA:HB2	20	0.9
(1,2185)	1:183:A:LEU:HD23	1:180:A:ALA:HB3	20	0.9
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG11	7	0.9
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG12	7	0.9
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG13	7	0.9
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG11	4	0.9
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG12	4	0.9
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG13	4	0.9
(1,1750)	1:142:A:VAL:HG21	1:102:A:PRO:HG3	12	0.9
(1,1750)	1:142:A:VAL:HG22	1:102:A:PRO:HG3	12	0.9
(1,1750)	1:142:A:VAL:HG23	1:102:A:PRO:HG3	12	0.9
(1,1740)	1:63:A:LEU:HD11	1:64:A:PRO:HG3	17	0.9
(1,1740)	1:63:A:LEU:HD12	1:64:A:PRO:HG3	17	0.9
(1,1740)	1:63:A:LEU:HD13	1:64:A:PRO:HG3	17	0.9
(1,1663)	1:27:A:VAL:HG11	1:24:A:GLU:HB3	5	0.9
(1,1663)	1:27:A:VAL:HG12	1:24:A:GLU:HB3	5	0.9
(1,1663)	1:27:A:VAL:HG13	1:24:A:GLU:HB3	5	0.9
(1,923)	1:76:A:ARG:HG3	1:77:A:GLN:HA	9	0.9
(1,920)	1:20:A:PRO:HB3	1:21:A:SER:HA	18	0.9
(1,890)	1:77:A:GLN:HB3	1:76:A:ARG:HA	19	0.9
(1,883)	1:39:A:VAL:HG21	1:36:A:ARG:HA	2	0.9
(1,883)	1:39:A:VAL:HG22	1:36:A:ARG:HA	2	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,883)	1:39:A:VAL:HG23	1:36:A:ARG:HA	2	0.9
(1,841)	1:97:A:LEU:HD11	1:93:A:PHE:HA	13	0.9
(1,841)	1:97:A:LEU:HD12	1:93:A:PHE:HA	13	0.9
(1,841)	1:97:A:LEU:HD13	1:93:A:PHE:HA	13	0.9
(1,841)	1:97:A:LEU:HD11	1:93:A:PHE:HA	17	0.9
(1,841)	1:97:A:LEU:HD12	1:93:A:PHE:HA	17	0.9
(1,841)	1:97:A:LEU:HD13	1:93:A:PHE:HA	17	0.9
(1,801)	1:34:A:VAL:HG21	1:35:A:PHE:HA	2	0.9
(1,801)	1:34:A:VAL:HG22	1:35:A:PHE:HA	2	0.9
(1,801)	1:34:A:VAL:HG23	1:35:A:PHE:HA	2	0.9
(1,801)	1:34:A:VAL:HG21	1:35:A:PHE:HA	6	0.9
(1,801)	1:34:A:VAL:HG22	1:35:A:PHE:HA	6	0.9
(1,801)	1:34:A:VAL:HG23	1:35:A:PHE:HA	6	0.9
(1,801)	1:34:A:VAL:HG21	1:35:A:PHE:HA	7	0.9
(1,801)	1:34:A:VAL:HG22	1:35:A:PHE:HA	7	0.9
(1,801)	1:34:A:VAL:HG23	1:35:A:PHE:HA	7	0.9
(1,801)	1:34:A:VAL:HG21	1:35:A:PHE:HA	8	0.9
(1,801)	1:34:A:VAL:HG22	1:35:A:PHE:HA	8	0.9
(1,801)	1:34:A:VAL:HG23	1:35:A:PHE:HA	8	0.9
(1,801)	1:34:A:VAL:HG21	1:35:A:PHE:HA	10	0.9
(1,801)	1:34:A:VAL:HG22	1:35:A:PHE:HA	10	0.9
(1,801)	1:34:A:VAL:HG23	1:35:A:PHE:HA	10	0.9
(1,801)	1:34:A:VAL:HG21	1:35:A:PHE:HA	12	0.9
(1,801)	1:34:A:VAL:HG22	1:35:A:PHE:HA	12	0.9
(1,801)	1:34:A:VAL:HG23	1:35:A:PHE:HA	12	0.9
(1,801)	1:34:A:VAL:HG21	1:35:A:PHE:HA	13	0.9
(1,801)	1:34:A:VAL:HG22	1:35:A:PHE:HA	13	0.9
(1,801)	1:34:A:VAL:HG23	1:35:A:PHE:HA	13	0.9
(1,801)	1:34:A:VAL:HG21	1:35:A:PHE:HA	16	0.9
(1,801)	1:34:A:VAL:HG22	1:35:A:PHE:HA	16	0.9
(1,801)	1:34:A:VAL:HG23	1:35:A:PHE:HA	16	0.9
(1,801)	1:34:A:VAL:HG21	1:35:A:PHE:HA	17	0.9
(1,801)	1:34:A:VAL:HG22	1:35:A:PHE:HA	17	0.9
(1,801)	1:34:A:VAL:HG23	1:35:A:PHE:HA	17	0.9
(1,801)	1:34:A:VAL:HG21	1:35:A:PHE:HA	18	0.9
(1,801)	1:34:A:VAL:HG22	1:35:A:PHE:HA	18	0.9
(1,801)	1:34:A:VAL:HG23	1:35:A:PHE:HA	18	0.9
(1,801)	1:34:A:VAL:HG21	1:35:A:PHE:HA	20	0.9
(1,801)	1:34:A:VAL:HG22	1:35:A:PHE:HA	20	0.9
(1,801)	1:34:A:VAL:HG23	1:35:A:PHE:HA	20	0.9
(1,239)	1:98:A:GLN:HB3	1:97:A:LEU:H	4	0.9
(1,139)	1:131:A:LEU:HD21	1:115:A:ALA:H	15	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,139)	1:131:A:LEU:HD22	1:115:A:ALA:H	15	0.9
(1,139)	1:131:A:LEU:HD23	1:115:A:ALA:H	15	0.9
(1,3056)	1:100:A:LEU:HD11	2:82:B:ILE:HG13	20	0.89
(1,3056)	1:100:A:LEU:HD12	2:82:B:ILE:HG13	20	0.89
(1,3056)	1:100:A:LEU:HD13	2:82:B:ILE:HG13	20	0.89
(1,3056)	1:100:A:LEU:HD21	2:82:B:ILE:HG13	20	0.89
(1,3056)	1:100:A:LEU:HD22	2:82:B:ILE:HG13	20	0.89
(1,3056)	1:100:A:LEU:HD23	2:82:B:ILE:HG13	20	0.89
(1,2967)	1:113:A:LYS:HG3	2:86:B:ILE:HG21	6	0.89
(1,2967)	1:113:A:LYS:HG3	2:86:B:ILE:HG22	6	0.89
(1,2967)	1:113:A:LYS:HG3	2:86:B:ILE:HG23	6	0.89
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD21	19	0.89
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD22	19	0.89
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD23	19	0.89
(1,2532)	1:34:A:VAL:HG21	1:177:A:TRP:HH2	11	0.89
(1,2532)	1:34:A:VAL:HG22	1:177:A:TRP:HH2	11	0.89
(1,2532)	1:34:A:VAL:HG23	1:177:A:TRP:HH2	11	0.89
(1,2185)	1:183:A:LEU:HD21	1:180:A:ALA:HB1	5	0.89
(1,2185)	1:183:A:LEU:HD21	1:180:A:ALA:HB2	5	0.89
(1,2185)	1:183:A:LEU:HD21	1:180:A:ALA:HB3	5	0.89
(1,2185)	1:183:A:LEU:HD22	1:180:A:ALA:HB1	5	0.89
(1,2185)	1:183:A:LEU:HD22	1:180:A:ALA:HB2	5	0.89
(1,2185)	1:183:A:LEU:HD22	1:180:A:ALA:HB3	5	0.89
(1,2185)	1:183:A:LEU:HD23	1:180:A:ALA:HB1	5	0.89
(1,2185)	1:183:A:LEU:HD23	1:180:A:ALA:HB2	5	0.89
(1,2185)	1:183:A:LEU:HD23	1:180:A:ALA:HB3	5	0.89
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG11	2	0.89
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG12	2	0.89
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG13	2	0.89
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG11	9	0.89
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG12	9	0.89
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG13	9	0.89
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG21	14	0.89
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG22	14	0.89
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG23	14	0.89
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG21	14	0.89
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG22	14	0.89
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG23	14	0.89
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG21	14	0.89
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG22	14	0.89
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG23	14	0.89
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG11	20	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG12	20	0.89
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG13	20	0.89
(1,1898)	1:143:A:TYR:HD1	1:147:A:LEU:HD21	20	0.89
(1,1898)	1:143:A:TYR:HD1	1:147:A:LEU:HD22	20	0.89
(1,1898)	1:143:A:TYR:HD1	1:147:A:LEU:HD23	20	0.89
(1,1898)	1:143:A:TYR:HD2	1:147:A:LEU:HD21	20	0.89
(1,1898)	1:143:A:TYR:HD2	1:147:A:LEU:HD22	20	0.89
(1,1898)	1:143:A:TYR:HD2	1:147:A:LEU:HD23	20	0.89
(1,1793)	1:35:A:PHE:HE1	1:36:A:ARG:HG3	1	0.89
(1,1793)	1:35:A:PHE:HE2	1:36:A:ARG:HG3	1	0.89
(1,1588)	1:129:A:VAL:HG11	1:128:A:VAL:HB	11	0.89
(1,1588)	1:129:A:VAL:HG12	1:128:A:VAL:HB	11	0.89
(1,1588)	1:129:A:VAL:HG13	1:128:A:VAL:HB	11	0.89
(1,1071)	1:66:A:GLN:HE22	1:67:A:PRO:HD3	16	0.89
(1,890)	1:77:A:GLN:HB3	1:76:A:ARG:HA	7	0.89
(1,653)	1:73:A:GLN:HG3	1:70:A:THR:HA	14	0.89
(1,513)	1:150:A:PHE:HA	1:153:A:GLN:HE22	5	0.89
(1,513)	1:150:A:PHE:HA	1:153:A:GLN:HE22	8	0.89
(1,404)	1:34:A:VAL:HG21	1:78:A:LEU:H	2	0.89
(1,404)	1:34:A:VAL:HG22	1:78:A:LEU:H	2	0.89
(1,404)	1:34:A:VAL:HG23	1:78:A:LEU:H	2	0.89
(1,139)	1:131:A:LEU:HD21	1:115:A:ALA:H	12	0.89
(1,139)	1:131:A:LEU:HD22	1:115:A:ALA:H	12	0.89
(1,139)	1:131:A:LEU:HD23	1:115:A:ALA:H	12	0.89
(1,21)	1:21:A:SER:HB3	1:22:A:ALA:H	5	0.89
(1,2939)	2:99:B:ARG:HG3	2:100:B:SER:H	15	0.88
(1,2757)	2:99:B:ARG:HA	2:99:B:ARG:HD3	10	0.88
(1,2757)	2:99:B:ARG:HA	2:99:B:ARG:HD3	11	0.88
(1,2757)	2:99:B:ARG:HA	2:99:B:ARG:HD3	13	0.88
(1,2604)	1:88:A:ARG:HD3	1:89:A:TYR:HE1	18	0.88
(1,2604)	1:88:A:ARG:HD3	1:89:A:TYR:HE2	18	0.88
(1,2532)	1:34:A:VAL:HG21	1:177:A:TRP:HH2	7	0.88
(1,2532)	1:34:A:VAL:HG22	1:177:A:TRP:HH2	7	0.88
(1,2532)	1:34:A:VAL:HG23	1:177:A:TRP:HH2	7	0.88
(1,2196)	1:118:A:LEU:HD21	1:114:A:ILE:HG21	14	0.88
(1,2196)	1:118:A:LEU:HD21	1:114:A:ILE:HG22	14	0.88
(1,2196)	1:118:A:LEU:HD21	1:114:A:ILE:HG23	14	0.88
(1,2196)	1:118:A:LEU:HD22	1:114:A:ILE:HG21	14	0.88
(1,2196)	1:118:A:LEU:HD22	1:114:A:ILE:HG22	14	0.88
(1,2196)	1:118:A:LEU:HD22	1:114:A:ILE:HG23	14	0.88
(1,2196)	1:118:A:LEU:HD23	1:114:A:ILE:HG21	14	0.88
(1,2196)	1:118:A:LEU:HD23	1:114:A:ILE:HG22	14	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2196)	1:118:A:LEU:HD23	1:114:A:ILE:HG23	14	0.88
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG21	16	0.88
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG22	16	0.88
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG23	16	0.88
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE1	20	0.88
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE2	20	0.88
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE3	20	0.88
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE1	20	0.88
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE2	20	0.88
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE3	20	0.88
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE1	20	0.88
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE2	20	0.88
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE3	20	0.88
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD11	18	0.88
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD12	18	0.88
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD13	18	0.88
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD21	18	0.88
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD22	18	0.88
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD23	18	0.88
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD11	18	0.88
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD12	18	0.88
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD13	18	0.88
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD21	18	0.88
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD22	18	0.88
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD23	18	0.88
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD11	18	0.88
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD12	18	0.88
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD13	18	0.88
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD21	18	0.88
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD22	18	0.88
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD23	18	0.88
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG11	6	0.88
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG12	6	0.88
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG13	6	0.88
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG11	11	0.88
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG12	11	0.88
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG13	11	0.88
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG11	15	0.88
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG12	15	0.88
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG13	15	0.88
(1,1750)	1:142:A:VAL:HG21	1:102:A:PRO:HG3	3	0.88
(1,1750)	1:142:A:VAL:HG22	1:102:A:PRO:HG3	3	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1750)	1:142:A:VAL:HG23	1:102:A:PRO:HG3	3	0.88
(1,1740)	1:63:A:LEU:HD11	1:64:A:PRO:HG3	2	0.88
(1,1740)	1:63:A:LEU:HD12	1:64:A:PRO:HG3	2	0.88
(1,1740)	1:63:A:LEU:HD13	1:64:A:PRO:HG3	2	0.88
(1,1644)	1:118:A:LEU:HD11	1:127:A:ARG:HG3	3	0.88
(1,1644)	1:118:A:LEU:HD12	1:127:A:ARG:HG3	3	0.88
(1,1644)	1:118:A:LEU:HD13	1:127:A:ARG:HG3	3	0.88
(1,1588)	1:129:A:VAL:HG11	1:128:A:VAL:HB	4	0.88
(1,1588)	1:129:A:VAL:HG12	1:128:A:VAL:HB	4	0.88
(1,1588)	1:129:A:VAL:HG13	1:128:A:VAL:HB	4	0.88
(1,1588)	1:129:A:VAL:HG11	1:128:A:VAL:HB	15	0.88
(1,1588)	1:129:A:VAL:HG12	1:128:A:VAL:HB	15	0.88
(1,1588)	1:129:A:VAL:HG13	1:128:A:VAL:HB	15	0.88
(1,1554)	1:33:A:GLU:HB3	1:34:A:VAL:HB	20	0.88
(1,1497)	1:150:A:PHE:HB3	1:153:A:GLN:HG3	4	0.88
(1,994)	1:50:A:GLU:HG3	1:50:A:GLU:HA	19	0.88
(1,920)	1:20:A:PRO:HB3	1:21:A:SER:HA	10	0.88
(1,653)	1:73:A:GLN:HG3	1:70:A:THR:HA	8	0.88
(1,513)	1:150:A:PHE:HA	1:153:A:GLN:HE22	10	0.88
(1,239)	1:98:A:GLN:HB3	1:97:A:LEU:H	2	0.88
(1,2778)	2:88:B:ARG:H	2:88:B:ARG:HD3	10	0.87
(1,2757)	2:99:B:ARG:HA	2:99:B:ARG:HD3	3	0.87
(1,2667)	2:92:B:MK8:HB1A	2:95:B:ASP:HB3	2	0.87
(1,2667)	2:92:B:MK8:HB1B	2:95:B:ASP:HB3	2	0.87
(1,2667)	2:92:B:MK8:HB1A	2:95:B:ASP:HB3	10	0.87
(1,2667)	2:92:B:MK8:HB1B	2:95:B:ASP:HB3	10	0.87
(1,2462)	1:118:A:LEU:HD21	1:119:A:PHE:HE1	3	0.87
(1,2462)	1:118:A:LEU:HD21	1:119:A:PHE:HE2	3	0.87
(1,2462)	1:118:A:LEU:HD22	1:119:A:PHE:HE1	3	0.87
(1,2462)	1:118:A:LEU:HD22	1:119:A:PHE:HE2	3	0.87
(1,2462)	1:118:A:LEU:HD23	1:119:A:PHE:HE1	3	0.87
(1,2462)	1:118:A:LEU:HD23	1:119:A:PHE:HE2	3	0.87
(1,2462)	1:118:A:LEU:HD21	1:119:A:PHE:HE1	12	0.87
(1,2462)	1:118:A:LEU:HD21	1:119:A:PHE:HE2	12	0.87
(1,2462)	1:118:A:LEU:HD22	1:119:A:PHE:HE1	12	0.87
(1,2462)	1:118:A:LEU:HD22	1:119:A:PHE:HE2	12	0.87
(1,2462)	1:118:A:LEU:HD23	1:119:A:PHE:HE1	12	0.87
(1,2462)	1:118:A:LEU:HD23	1:119:A:PHE:HE2	12	0.87
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB1	20	0.87
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB2	20	0.87
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB3	20	0.87
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG21	8	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG22	8	0.87
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG23	8	0.87
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG11	6	0.87
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG12	6	0.87
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG13	6	0.87
(1,1960)	1:177:A:TRP:HE3	1:74:A:VAL:HG21	12	0.87
(1,1960)	1:177:A:TRP:HE3	1:74:A:VAL:HG22	12	0.87
(1,1960)	1:177:A:TRP:HE3	1:74:A:VAL:HG23	12	0.87
(1,1793)	1:35:A:PHE:HE1	1:36:A:ARG:HG3	14	0.87
(1,1793)	1:35:A:PHE:HE2	1:36:A:ARG:HG3	14	0.87
(1,1675)	1:84:A:ASP:HB3	1:85:A:ILE:HG13	6	0.87
(1,1588)	1:129:A:VAL:HG11	1:128:A:VAL:HB	9	0.87
(1,1588)	1:129:A:VAL:HG12	1:128:A:VAL:HB	9	0.87
(1,1588)	1:129:A:VAL:HG13	1:128:A:VAL:HB	9	0.87
(1,1588)	1:129:A:VAL:HG11	1:128:A:VAL:HB	13	0.87
(1,1588)	1:129:A:VAL:HG12	1:128:A:VAL:HB	13	0.87
(1,1588)	1:129:A:VAL:HG13	1:128:A:VAL:HB	13	0.87
(1,1253)	1:42:A:ARG:H	1:42:A:ARG:HD3	19	0.87
(1,1063)	1:19:A:LEU:HB3	1:18:A:ALA:HA	1	0.87
(1,1063)	1:19:A:LEU:HB3	1:18:A:ALA:HA	18	0.87
(1,1062)	1:23:A:SER:HB3	1:22:A:ALA:HA	20	0.87
(1,1033)	1:118:A:LEU:HD21	1:115:A:ALA:HA	12	0.87
(1,1033)	1:118:A:LEU:HD22	1:115:A:ALA:HA	12	0.87
(1,1033)	1:118:A:LEU:HD23	1:115:A:ALA:HA	12	0.87
(1,920)	1:20:A:PRO:HB3	1:21:A:SER:HA	9	0.87
(1,841)	1:97:A:LEU:HD11	1:93:A:PHE:HA	14	0.87
(1,841)	1:97:A:LEU:HD12	1:93:A:PHE:HA	14	0.87
(1,841)	1:97:A:LEU:HD13	1:93:A:PHE:HA	14	0.87
(1,689)	1:98:A:GLN:HB3	1:95:A:THR:HA	3	0.87
(1,283)	1:42:A:ARG:HB3	1:41:A:TYR:H	2	0.87
(1,21)	1:21:A:SER:HB3	1:22:A:ALA:H	19	0.87
(1,3060)	1:100:A:LEU:HD11	2:83:B:ILE:HG13	15	0.86
(1,3060)	1:100:A:LEU:HD12	2:83:B:ILE:HG13	15	0.86
(1,3060)	1:100:A:LEU:HD13	2:83:B:ILE:HG13	15	0.86
(1,3060)	1:100:A:LEU:HD21	2:83:B:ILE:HG13	15	0.86
(1,3060)	1:100:A:LEU:HD22	2:83:B:ILE:HG13	15	0.86
(1,3060)	1:100:A:LEU:HD23	2:83:B:ILE:HG13	15	0.86
(1,2902)	2:87:B:ALA:HA	2:90:B:LEU:HB3	20	0.86
(1,2779)	2:88:B:ARG:HB3	2:88:B:ARG:HD3	18	0.86
(1,2532)	1:34:A:VAL:HG21	1:177:A:TRP:HH2	6	0.86
(1,2532)	1:34:A:VAL:HG22	1:177:A:TRP:HH2	6	0.86
(1,2532)	1:34:A:VAL:HG23	1:177:A:TRP:HH2	6	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2532)	1:34:A:VAL:HG21	1:177:A:TRP:HH2	10	0.86
(1,2532)	1:34:A:VAL:HG22	1:177:A:TRP:HH2	10	0.86
(1,2532)	1:34:A:VAL:HG23	1:177:A:TRP:HH2	10	0.86
(1,2532)	1:34:A:VAL:HG21	1:177:A:TRP:HH2	17	0.86
(1,2532)	1:34:A:VAL:HG22	1:177:A:TRP:HH2	17	0.86
(1,2532)	1:34:A:VAL:HG23	1:177:A:TRP:HH2	17	0.86
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG21	20	0.86
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG22	20	0.86
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG23	20	0.86
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG21	4	0.86
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG22	4	0.86
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG23	4	0.86
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG21	18	0.86
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG22	18	0.86
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG23	18	0.86
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG21	18	0.86
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG22	18	0.86
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG23	18	0.86
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG21	18	0.86
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG22	18	0.86
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG23	18	0.86
(1,1886)	1:125:A:TRP:HE3	1:129:A:VAL:HG11	20	0.86
(1,1886)	1:125:A:TRP:HE3	1:129:A:VAL:HG12	20	0.86
(1,1886)	1:125:A:TRP:HE3	1:129:A:VAL:HG13	20	0.86
(1,1850)	1:39:A:VAL:HG21	1:63:A:LEU:HD21	18	0.86
(1,1850)	1:39:A:VAL:HG21	1:63:A:LEU:HD22	18	0.86
(1,1850)	1:39:A:VAL:HG21	1:63:A:LEU:HD23	18	0.86
(1,1850)	1:39:A:VAL:HG22	1:63:A:LEU:HD21	18	0.86
(1,1850)	1:39:A:VAL:HG22	1:63:A:LEU:HD22	18	0.86
(1,1850)	1:39:A:VAL:HG22	1:63:A:LEU:HD23	18	0.86
(1,1850)	1:39:A:VAL:HG23	1:63:A:LEU:HD21	18	0.86
(1,1850)	1:39:A:VAL:HG23	1:63:A:LEU:HD22	18	0.86
(1,1850)	1:39:A:VAL:HG23	1:63:A:LEU:HD23	18	0.86
(1,1740)	1:63:A:LEU:HD11	1:64:A:PRO:HG3	20	0.86
(1,1740)	1:63:A:LEU:HD12	1:64:A:PRO:HG3	20	0.86
(1,1740)	1:63:A:LEU:HD13	1:64:A:PRO:HG3	20	0.86
(1,1738)	1:77:A:GLN:HE22	1:77:A:GLN:HB3	7	0.86
(1,1738)	1:77:A:GLN:HE22	1:77:A:GLN:HB3	20	0.86
(1,1588)	1:129:A:VAL:HG11	1:128:A:VAL:HB	7	0.86
(1,1588)	1:129:A:VAL:HG12	1:128:A:VAL:HB	7	0.86
(1,1588)	1:129:A:VAL:HG13	1:128:A:VAL:HB	7	0.86
(1,1554)	1:33:A:GLU:HB3	1:34:A:VAL:HB	5	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1535)	1:156:A:ARG:HA	1:159:A:VAL:HB	5	0.86
(1,1128)	1:155:A:THR:HB	1:152:A:GLY:HA3	7	0.86
(1,1128)	1:155:A:THR:HB	1:152:A:GLY:HA3	18	0.86
(1,1063)	1:19:A:LEU:HB3	1:18:A:ALA:HA	11	0.86
(1,994)	1:50:A:GLU:HG3	1:50:A:GLU:HA	16	0.86
(1,962)	1:163:A:LEU:HB3	1:160:A:ASP:HA	18	0.86
(1,903)	1:87:A:ARG:HD3	1:87:A:ARG:HA	13	0.86
(1,890)	1:77:A:GLN:HB3	1:76:A:ARG:HA	10	0.86
(1,653)	1:73:A:GLN:HG3	1:70:A:THR:HA	16	0.86
(1,653)	1:73:A:GLN:HG3	1:70:A:THR:HA	20	0.86
(1,410)	1:94:A:GLN:HE22	1:95:A:THR:H	13	0.86
(1,298)	1:88:A:ARG:HD3	1:88:A:ARG:H	3	0.86
(1,139)	1:131:A:LEU:HD21	1:115:A:ALA:H	2	0.86
(1,139)	1:131:A:LEU:HD22	1:115:A:ALA:H	2	0.86
(1,139)	1:131:A:LEU:HD23	1:115:A:ALA:H	2	0.86
(1,21)	1:21:A:SER:HB3	1:22:A:ALA:H	3	0.86
(1,21)	1:21:A:SER:HB3	1:22:A:ALA:H	15	0.86
(1,2921)	2:92:B:MK8:HB1A	2:95:B:ASP:HB3	6	0.85
(1,2921)	2:92:B:MK8:HB1B	2:95:B:ASP:HB3	6	0.85
(1,2779)	2:88:B:ARG:HB3	2:88:B:ARG:HD3	15	0.85
(1,2779)	2:88:B:ARG:HB3	2:88:B:ARG:HD3	17	0.85
(1,2728)	2:92:B:MK8:HB1A	2:95:B:ASP:H	10	0.85
(1,2728)	2:92:B:MK8:HB1B	2:95:B:ASP:H	10	0.85
(1,2532)	1:34:A:VAL:HG21	1:177:A:TRP:HH2	3	0.85
(1,2532)	1:34:A:VAL:HG22	1:177:A:TRP:HH2	3	0.85
(1,2532)	1:34:A:VAL:HG23	1:177:A:TRP:HH2	3	0.85
(1,2532)	1:34:A:VAL:HG21	1:177:A:TRP:HH2	16	0.85
(1,2532)	1:34:A:VAL:HG22	1:177:A:TRP:HH2	16	0.85
(1,2532)	1:34:A:VAL:HG23	1:177:A:TRP:HH2	16	0.85
(1,2483)	1:147:A:LEU:HD21	1:150:A:PHE:HZ	4	0.85
(1,2483)	1:147:A:LEU:HD22	1:150:A:PHE:HZ	4	0.85
(1,2483)	1:147:A:LEU:HD23	1:150:A:PHE:HZ	4	0.85
(1,2462)	1:118:A:LEU:HD21	1:119:A:PHE:HE1	6	0.85
(1,2462)	1:118:A:LEU:HD21	1:119:A:PHE:HE2	6	0.85
(1,2462)	1:118:A:LEU:HD22	1:119:A:PHE:HE1	6	0.85
(1,2462)	1:118:A:LEU:HD22	1:119:A:PHE:HE2	6	0.85
(1,2462)	1:118:A:LEU:HD23	1:119:A:PHE:HE1	6	0.85
(1,2462)	1:118:A:LEU:HD23	1:119:A:PHE:HE2	6	0.85
(1,2454)	1:147:A:LEU:HD21	1:150:A:PHE:HE1	6	0.85
(1,2454)	1:147:A:LEU:HD21	1:150:A:PHE:HE2	6	0.85
(1,2454)	1:147:A:LEU:HD22	1:150:A:PHE:HE1	6	0.85
(1,2454)	1:147:A:LEU:HD22	1:150:A:PHE:HE2	6	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2454)	1:147:A:LEU:HD23	1:150:A:PHE:HE1	6	0.85
(1,2454)	1:147:A:LEU:HD23	1:150:A:PHE:HE2	6	0.85
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE1	7	0.85
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE2	7	0.85
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE3	7	0.85
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE1	7	0.85
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE2	7	0.85
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE3	7	0.85
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE1	7	0.85
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE2	7	0.85
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE3	7	0.85
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG21	14	0.85
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG22	14	0.85
(1,2099)	1:75:A:GLY:HA3	1:34:A:VAL:HG23	14	0.85
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG21	19	0.85
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG22	19	0.85
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG23	19	0.85
(1,2088)	1:139:A:ALA:HA	1:142:A:VAL:HG11	10	0.85
(1,2088)	1:139:A:ALA:HA	1:142:A:VAL:HG12	10	0.85
(1,2088)	1:139:A:ALA:HA	1:142:A:VAL:HG13	10	0.85
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG11	4	0.85
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG12	4	0.85
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG13	4	0.85
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG11	2	0.85
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG12	2	0.85
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG13	2	0.85
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG11	18	0.85
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG12	18	0.85
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG13	18	0.85
(1,1738)	1:77:A:GLN:HE22	1:77:A:GLN:HB3	17	0.85
(1,1588)	1:129:A:VAL:HG11	1:128:A:VAL:HB	2	0.85
(1,1588)	1:129:A:VAL:HG12	1:128:A:VAL:HB	2	0.85
(1,1588)	1:129:A:VAL:HG13	1:128:A:VAL:HB	2	0.85
(1,1250)	1:38:A:TYR:HD1	1:42:A:ARG:HD3	18	0.85
(1,1250)	1:38:A:TYR:HD2	1:42:A:ARG:HD3	18	0.85
(1,1129)	1:155:A:THR:HG21	1:152:A:GLY:HA3	1	0.85
(1,1129)	1:155:A:THR:HG22	1:152:A:GLY:HA3	1	0.85
(1,1129)	1:155:A:THR:HG23	1:152:A:GLY:HA3	1	0.85
(1,964)	1:87:A:ARG:HD3	1:84:A:ASP:HA	16	0.85
(1,921)	1:98:A:GLN:HE22	1:98:A:GLN:HA	14	0.85
(1,920)	1:20:A:PRO:HB3	1:21:A:SER:HA	19	0.85
(1,903)	1:87:A:ARG:HD3	1:87:A:ARG:HA	17	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,883)	1:39:A:VAL:HG21	1:36:A:ARG:HA	20	0.85
(1,883)	1:39:A:VAL:HG22	1:36:A:ARG:HA	20	0.85
(1,883)	1:39:A:VAL:HG23	1:36:A:ARG:HA	20	0.85
(1,854)	1:159:A:VAL:HG11	1:32:A:GLU:HA	4	0.85
(1,854)	1:159:A:VAL:HG12	1:32:A:GLU:HA	4	0.85
(1,854)	1:159:A:VAL:HG13	1:32:A:GLU:HA	4	0.85
(1,689)	1:98:A:GLN:HB3	1:95:A:THR:HA	13	0.85
(1,491)	1:163:A:LEU:HB3	1:164:A:HIS:H	5	0.85
(1,365)	1:87:A:ARG:HB3	1:87:A:ARG:HE	7	0.85
(1,365)	1:87:A:ARG:HB3	1:87:A:ARG:HE	12	0.85
(1,2980)	1:81:A:ILE:HG21	2:100:B:SER:HB3	12	0.84
(1,2980)	1:81:A:ILE:HG22	2:100:B:SER:HB3	12	0.84
(1,2980)	1:81:A:ILE:HG23	2:100:B:SER:HB3	12	0.84
(1,2582)	1:140:A:LEU:HB3	1:136:A:TYR:HE1	19	0.84
(1,2582)	1:140:A:LEU:HB3	1:136:A:TYR:HE2	19	0.84
(1,2185)	1:183:A:LEU:HD21	1:180:A:ALA:HB1	15	0.84
(1,2185)	1:183:A:LEU:HD21	1:180:A:ALA:HB2	15	0.84
(1,2185)	1:183:A:LEU:HD21	1:180:A:ALA:HB3	15	0.84
(1,2185)	1:183:A:LEU:HD22	1:180:A:ALA:HB1	15	0.84
(1,2185)	1:183:A:LEU:HD22	1:180:A:ALA:HB2	15	0.84
(1,2185)	1:183:A:LEU:HD22	1:180:A:ALA:HB3	15	0.84
(1,2185)	1:183:A:LEU:HD23	1:180:A:ALA:HB1	15	0.84
(1,2185)	1:183:A:LEU:HD23	1:180:A:ALA:HB2	15	0.84
(1,2185)	1:183:A:LEU:HD23	1:180:A:ALA:HB3	15	0.84
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG21	3	0.84
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG22	3	0.84
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG23	3	0.84
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG21	3	0.84
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG22	3	0.84
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG23	3	0.84
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG11	12	0.84
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG12	12	0.84
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG13	12	0.84
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG11	20	0.84
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG12	20	0.84
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG13	20	0.84
(1,1960)	1:177:A:TRP:HE3	1:74:A:VAL:HG21	3	0.84
(1,1960)	1:177:A:TRP:HE3	1:74:A:VAL:HG22	3	0.84
(1,1960)	1:177:A:TRP:HE3	1:74:A:VAL:HG23	3	0.84
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG11	14	0.84
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG12	14	0.84
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG13	14	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1850)	1:39:A:VAL:HG21	1:63:A:LEU:HD21	2	0.84
(1,1850)	1:39:A:VAL:HG21	1:63:A:LEU:HD22	2	0.84
(1,1850)	1:39:A:VAL:HG21	1:63:A:LEU:HD23	2	0.84
(1,1850)	1:39:A:VAL:HG22	1:63:A:LEU:HD21	2	0.84
(1,1850)	1:39:A:VAL:HG22	1:63:A:LEU:HD22	2	0.84
(1,1850)	1:39:A:VAL:HG22	1:63:A:LEU:HD23	2	0.84
(1,1850)	1:39:A:VAL:HG23	1:63:A:LEU:HD21	2	0.84
(1,1850)	1:39:A:VAL:HG23	1:63:A:LEU:HD22	2	0.84
(1,1850)	1:39:A:VAL:HG23	1:63:A:LEU:HD23	2	0.84
(1,1740)	1:63:A:LEU:HD11	1:64:A:PRO:HG3	12	0.84
(1,1740)	1:63:A:LEU:HD12	1:64:A:PRO:HG3	12	0.84
(1,1740)	1:63:A:LEU:HD13	1:64:A:PRO:HG3	12	0.84
(1,1738)	1:77:A:GLN:HE22	1:77:A:GLN:HB3	14	0.84
(1,1588)	1:129:A:VAL:HG11	1:128:A:VAL:HB	20	0.84
(1,1588)	1:129:A:VAL:HG12	1:128:A:VAL:HB	20	0.84
(1,1588)	1:129:A:VAL:HG13	1:128:A:VAL:HB	20	0.84
(1,1497)	1:150:A:PHE:HB3	1:153:A:GLN:HG3	16	0.84
(1,1485)	1:185:A:ASN:H	1:77:A:GLN:HG3	4	0.84
(1,1424)	1:163:A:LEU:HD11	1:25:A:GLU:HG3	2	0.84
(1,1424)	1:163:A:LEU:HD12	1:25:A:GLU:HG3	2	0.84
(1,1424)	1:163:A:LEU:HD13	1:25:A:GLU:HG3	2	0.84
(1,1424)	1:163:A:LEU:HD21	1:25:A:GLU:HG3	2	0.84
(1,1424)	1:163:A:LEU:HD22	1:25:A:GLU:HG3	2	0.84
(1,1424)	1:163:A:LEU:HD23	1:25:A:GLU:HG3	2	0.84
(1,1129)	1:155:A:THR:HG21	1:152:A:GLY:HA3	9	0.84
(1,1129)	1:155:A:THR:HG22	1:152:A:GLY:HA3	9	0.84
(1,1129)	1:155:A:THR:HG23	1:152:A:GLY:HA3	9	0.84
(1,920)	1:20:A:PRO:HB3	1:21:A:SER:HA	1	0.84
(1,920)	1:20:A:PRO:HB3	1:21:A:SER:HA	2	0.84
(1,920)	1:20:A:PRO:HB3	1:21:A:SER:HA	6	0.84
(1,890)	1:77:A:GLN:HB3	1:76:A:ARG:HA	18	0.84
(1,390)	1:63:A:LEU:HD11	1:36:A:ARG:H	10	0.84
(1,390)	1:63:A:LEU:HD12	1:36:A:ARG:H	10	0.84
(1,390)	1:63:A:LEU:HD13	1:36:A:ARG:H	10	0.84
(1,283)	1:42:A:ARG:HB3	1:41:A:TYR:H	17	0.84
(1,268)	1:50:A:GLU:HB3	1:52:A:VAL:H	5	0.84
(1,3060)	1:100:A:LEU:HD11	2:83:B:ILE:HG13	1	0.83
(1,3060)	1:100:A:LEU:HD12	2:83:B:ILE:HG13	1	0.83
(1,3060)	1:100:A:LEU:HD13	2:83:B:ILE:HG13	1	0.83
(1,3060)	1:100:A:LEU:HD21	2:83:B:ILE:HG13	1	0.83
(1,3060)	1:100:A:LEU:HD22	2:83:B:ILE:HG13	1	0.83
(1,3060)	1:100:A:LEU:HD23	2:83:B:ILE:HG13	1	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2779)	2:88:B:ARG:HB3	2:88:B:ARG:HD3	20	0.83
(1,2462)	1:118:A:LEU:HD21	1:119:A:PHE:HE1	17	0.83
(1,2462)	1:118:A:LEU:HD21	1:119:A:PHE:HE2	17	0.83
(1,2462)	1:118:A:LEU:HD22	1:119:A:PHE:HE1	17	0.83
(1,2462)	1:118:A:LEU:HD22	1:119:A:PHE:HE2	17	0.83
(1,2462)	1:118:A:LEU:HD23	1:119:A:PHE:HE1	17	0.83
(1,2462)	1:118:A:LEU:HD23	1:119:A:PHE:HE2	17	0.83
(1,2318)	1:84:A:ASP:HB3	1:85:A:ILE:HD11	3	0.83
(1,2318)	1:84:A:ASP:HB3	1:85:A:ILE:HD12	3	0.83
(1,2318)	1:84:A:ASP:HB3	1:85:A:ILE:HD13	3	0.83
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB1	13	0.83
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB2	13	0.83
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB3	13	0.83
(1,2196)	1:118:A:LEU:HD21	1:114:A:ILE:HG21	19	0.83
(1,2196)	1:118:A:LEU:HD21	1:114:A:ILE:HG22	19	0.83
(1,2196)	1:118:A:LEU:HD21	1:114:A:ILE:HG23	19	0.83
(1,2196)	1:118:A:LEU:HD22	1:114:A:ILE:HG21	19	0.83
(1,2196)	1:118:A:LEU:HD22	1:114:A:ILE:HG22	19	0.83
(1,2196)	1:118:A:LEU:HD22	1:114:A:ILE:HG23	19	0.83
(1,2196)	1:118:A:LEU:HD23	1:114:A:ILE:HG21	19	0.83
(1,2196)	1:118:A:LEU:HD23	1:114:A:ILE:HG22	19	0.83
(1,2196)	1:118:A:LEU:HD23	1:114:A:ILE:HG23	19	0.83
(1,2087)	1:150:A:PHE:HE1	1:142:A:VAL:HG11	18	0.83
(1,2087)	1:150:A:PHE:HE1	1:142:A:VAL:HG12	18	0.83
(1,2087)	1:150:A:PHE:HE1	1:142:A:VAL:HG13	18	0.83
(1,2087)	1:150:A:PHE:HE2	1:142:A:VAL:HG11	18	0.83
(1,2087)	1:150:A:PHE:HE2	1:142:A:VAL:HG12	18	0.83
(1,2087)	1:150:A:PHE:HE2	1:142:A:VAL:HG13	18	0.83
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG11	8	0.83
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG12	8	0.83
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG13	8	0.83
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG11	3	0.83
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG12	3	0.83
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG13	3	0.83
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG11	14	0.83
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG12	14	0.83
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG13	14	0.83
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG11	19	0.83
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG12	19	0.83
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG13	19	0.83
(1,1766)	1:20:A:PRO:HD3	1:19:A:LEU:HG	7	0.83
(1,1755)	1:56:A:ALA:H	1:55:A:PRO:HG3	7	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1738)	1:77:A:GLN:HE22	1:77:A:GLN:HB3	18	0.83
(1,1554)	1:33:A:GLU:HB3	1:34:A:VAL:HB	13	0.83
(1,1156)	1:156:A:ARG:H	1:156:A:ARG:HD3	10	0.83
(1,1083)	1:19:A:LEU:HB3	1:20:A:PRO:HD3	7	0.83
(1,1033)	1:118:A:LEU:HD21	1:115:A:ALA:HA	4	0.83
(1,1033)	1:118:A:LEU:HD22	1:115:A:ALA:HA	4	0.83
(1,1033)	1:118:A:LEU:HD23	1:115:A:ALA:HA	4	0.83
(1,994)	1:50:A:GLU:HG3	1:50:A:GLU:HA	8	0.83
(1,920)	1:20:A:PRO:HB3	1:21:A:SER:HA	4	0.83
(1,813)	1:92:A:GLU:HG3	1:91:A:SER:HB3	2	0.83
(1,689)	1:98:A:GLN:HB3	1:95:A:THR:HA	9	0.83
(1,513)	1:150:A:PHE:HA	1:153:A:GLN:HE22	7	0.83
(1,433)	1:92:A:GLU:HG3	1:91:A:SER:H	1	0.83
(1,283)	1:42:A:ARG:HB3	1:41:A:TYR:H	7	0.83
(1,21)	1:21:A:SER:HB3	1:22:A:ALA:H	12	0.83
(1,2822)	2:88:B:ARG:HA	2:88:B:ARG:HD3	17	0.82
(1,2683)	2:84:B:ARG:HA	2:84:B:ARG:HD3	18	0.82
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD21	13	0.82
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD22	13	0.82
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD23	13	0.82
(1,2556)	1:183:A:LEU:HD21	1:125:A:TRP:HE3	12	0.82
(1,2556)	1:183:A:LEU:HD22	1:125:A:TRP:HE3	12	0.82
(1,2556)	1:183:A:LEU:HD23	1:125:A:TRP:HE3	12	0.82
(1,2398)	1:37:A:SER:HB3	1:40:A:PHE:HD1	12	0.82
(1,2398)	1:37:A:SER:HB3	1:40:A:PHE:HD2	12	0.82
(1,2222)	1:169:A:ARG:HD3	1:172:A:ALA:HB1	12	0.82
(1,2222)	1:169:A:ARG:HD3	1:172:A:ALA:HB2	12	0.82
(1,2222)	1:169:A:ARG:HD3	1:172:A:ALA:HB3	12	0.82
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE1	10	0.82
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE2	10	0.82
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE3	10	0.82
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE1	10	0.82
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE2	10	0.82
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE3	10	0.82
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE1	10	0.82
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE2	10	0.82
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE3	10	0.82
(1,2069)	1:163:A:LEU:HD11	1:159:A:VAL:HG21	14	0.82
(1,2069)	1:163:A:LEU:HD11	1:159:A:VAL:HG22	14	0.82
(1,2069)	1:163:A:LEU:HD11	1:159:A:VAL:HG23	14	0.82
(1,2069)	1:163:A:LEU:HD12	1:159:A:VAL:HG21	14	0.82
(1,2069)	1:163:A:LEU:HD12	1:159:A:VAL:HG22	14	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2069)	1:163:A:LEU:HD12	1:159:A:VAL:HG23	14	0.82
(1,2069)	1:163:A:LEU:HD13	1:159:A:VAL:HG21	14	0.82
(1,2069)	1:163:A:LEU:HD13	1:159:A:VAL:HG22	14	0.82
(1,2069)	1:163:A:LEU:HD13	1:159:A:VAL:HG23	14	0.82
(1,2069)	1:163:A:LEU:HD21	1:159:A:VAL:HG21	14	0.82
(1,2069)	1:163:A:LEU:HD21	1:159:A:VAL:HG22	14	0.82
(1,2069)	1:163:A:LEU:HD21	1:159:A:VAL:HG23	14	0.82
(1,2069)	1:163:A:LEU:HD22	1:159:A:VAL:HG21	14	0.82
(1,2069)	1:163:A:LEU:HD22	1:159:A:VAL:HG22	14	0.82
(1,2069)	1:163:A:LEU:HD22	1:159:A:VAL:HG23	14	0.82
(1,2069)	1:163:A:LEU:HD23	1:159:A:VAL:HG21	14	0.82
(1,2069)	1:163:A:LEU:HD23	1:159:A:VAL:HG22	14	0.82
(1,2069)	1:163:A:LEU:HD23	1:159:A:VAL:HG23	14	0.82
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG11	10	0.82
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG12	10	0.82
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG13	10	0.82
(1,1960)	1:177:A:TRP:HE3	1:74:A:VAL:HG21	17	0.82
(1,1960)	1:177:A:TRP:HE3	1:74:A:VAL:HG22	17	0.82
(1,1960)	1:177:A:TRP:HE3	1:74:A:VAL:HG23	17	0.82
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG11	6	0.82
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG12	6	0.82
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG13	6	0.82
(1,1151)	1:27:A:VAL:HG11	1:176:A:GLY:HA3	1	0.82
(1,1151)	1:27:A:VAL:HG12	1:176:A:GLY:HA3	1	0.82
(1,1151)	1:27:A:VAL:HG13	1:176:A:GLY:HA3	1	0.82
(1,1126)	1:153:A:GLN:HG3	1:152:A:GLY:HA2	14	0.82
(1,1062)	1:23:A:SER:HB3	1:22:A:ALA:HA	16	0.82
(1,934)	1:159:A:VAL:HG11	1:156:A:ARG:HA	4	0.82
(1,934)	1:159:A:VAL:HG12	1:156:A:ARG:HA	4	0.82
(1,934)	1:159:A:VAL:HG13	1:156:A:ARG:HA	4	0.82
(1,890)	1:77:A:GLN:HB3	1:76:A:ARG:HA	13	0.82
(1,890)	1:77:A:GLN:HB3	1:76:A:ARG:HA	17	0.82
(1,744)	1:21:A:SER:H	1:21:A:SER:HB3	13	0.82
(1,689)	1:98:A:GLN:HB3	1:95:A:THR:HA	16	0.82
(1,689)	1:98:A:GLN:HB3	1:95:A:THR:HA	19	0.82
(1,190)	1:183:A:LEU:HD21	1:125:A:TRP:H	20	0.82
(1,190)	1:183:A:LEU:HD22	1:125:A:TRP:H	20	0.82
(1,190)	1:183:A:LEU:HD23	1:125:A:TRP:H	20	0.82
(1,2779)	2:88:B:ARG:HB3	2:88:B:ARG:HD3	3	0.81
(1,2667)	2:92:B:MK8:HB1A	2:95:B:ASP:HB3	19	0.81
(1,2667)	2:92:B:MK8:HB1B	2:95:B:ASP:HB3	19	0.81
(1,2556)	1:183:A:LEU:HD21	1:125:A:TRP:HE3	20	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2556)	1:183:A:LEU:HD22	1:125:A:TRP:HE3	20	0.81
(1,2556)	1:183:A:LEU:HD23	1:125:A:TRP:HE3	20	0.81
(1,2532)	1:34:A:VAL:HG21	1:177:A:TRP:HH2	9	0.81
(1,2532)	1:34:A:VAL:HG22	1:177:A:TRP:HH2	9	0.81
(1,2532)	1:34:A:VAL:HG23	1:177:A:TRP:HH2	9	0.81
(1,2222)	1:169:A:ARG:HD3	1:172:A:ALA:HB1	18	0.81
(1,2222)	1:169:A:ARG:HD3	1:172:A:ALA:HB2	18	0.81
(1,2222)	1:169:A:ARG:HD3	1:172:A:ALA:HB3	18	0.81
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG21	2	0.81
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG22	2	0.81
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG23	2	0.81
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG11	4	0.81
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG12	4	0.81
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG13	4	0.81
(1,2069)	1:163:A:LEU:HD11	1:159:A:VAL:HG21	9	0.81
(1,2069)	1:163:A:LEU:HD11	1:159:A:VAL:HG22	9	0.81
(1,2069)	1:163:A:LEU:HD11	1:159:A:VAL:HG23	9	0.81
(1,2069)	1:163:A:LEU:HD12	1:159:A:VAL:HG21	9	0.81
(1,2069)	1:163:A:LEU:HD12	1:159:A:VAL:HG22	9	0.81
(1,2069)	1:163:A:LEU:HD12	1:159:A:VAL:HG23	9	0.81
(1,2069)	1:163:A:LEU:HD13	1:159:A:VAL:HG21	9	0.81
(1,2069)	1:163:A:LEU:HD13	1:159:A:VAL:HG22	9	0.81
(1,2069)	1:163:A:LEU:HD13	1:159:A:VAL:HG23	9	0.81
(1,2069)	1:163:A:LEU:HD21	1:159:A:VAL:HG21	9	0.81
(1,2069)	1:163:A:LEU:HD21	1:159:A:VAL:HG22	9	0.81
(1,2069)	1:163:A:LEU:HD21	1:159:A:VAL:HG23	9	0.81
(1,2069)	1:163:A:LEU:HD22	1:159:A:VAL:HG21	9	0.81
(1,2069)	1:163:A:LEU:HD22	1:159:A:VAL:HG22	9	0.81
(1,2069)	1:163:A:LEU:HD22	1:159:A:VAL:HG23	9	0.81
(1,2069)	1:163:A:LEU:HD23	1:159:A:VAL:HG21	9	0.81
(1,2069)	1:163:A:LEU:HD23	1:159:A:VAL:HG22	9	0.81
(1,2069)	1:163:A:LEU:HD23	1:159:A:VAL:HG23	9	0.81
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG11	12	0.81
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG12	12	0.81
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG13	12	0.81
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG11	15	0.81
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG12	15	0.81
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG13	15	0.81
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD21	7	0.81
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD22	7	0.81
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD23	7	0.81
(1,1747)	1:142:A:VAL:H	1:102:A:PRO:HG3	18	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1678)	2:82:B:ILE:HD11	1:99:A:HIS:HB3	9	0.81
(1,1678)	2:82:B:ILE:HD12	1:99:A:HIS:HB3	9	0.81
(1,1678)	2:82:B:ILE:HD13	1:99:A:HIS:HB3	9	0.81
(1,1479)	1:34:A:VAL:HG11	1:71:A:MET:HG3	12	0.81
(1,1479)	1:34:A:VAL:HG12	1:71:A:MET:HG3	12	0.81
(1,1479)	1:34:A:VAL:HG13	1:71:A:MET:HG3	12	0.81
(1,1467)	1:61:A:VAL:HA	1:60:A:MET:HG3	20	0.81
(1,1043)	1:182:A:ASN:HB3	1:179:A:ALA:HA	18	0.81
(1,994)	1:50:A:GLU:HG3	1:50:A:GLU:HA	5	0.81
(1,994)	1:50:A:GLU:HG3	1:50:A:GLU:HA	9	0.81
(1,994)	1:50:A:GLU:HG3	1:50:A:GLU:HA	10	0.81
(1,994)	1:50:A:GLU:HG3	1:50:A:GLU:HA	14	0.81
(1,994)	1:50:A:GLU:HG3	1:50:A:GLU:HA	17	0.81
(1,883)	1:39:A:VAL:HG21	1:36:A:ARG:HA	12	0.81
(1,883)	1:39:A:VAL:HG22	1:36:A:ARG:HA	12	0.81
(1,883)	1:39:A:VAL:HG23	1:36:A:ARG:HA	12	0.81
(1,839)	1:63:A:LEU:HB3	1:62:A:THR:HA	8	0.81
(1,689)	1:98:A:GLN:HB3	1:95:A:THR:HA	10	0.81
(1,96)	1:29:A:GLN:HB3	1:30:A:ASP:H	6	0.81
(1,90)	1:97:A:LEU:HD21	1:138:A:LEU:H	10	0.81
(1,90)	1:97:A:LEU:HD22	1:138:A:LEU:H	10	0.81
(1,90)	1:97:A:LEU:HD23	1:138:A:LEU:H	10	0.81
(1,2939)	2:99:B:ARG:HG3	2:100:B:SER:H	1	0.8
(1,2822)	2:88:B:ARG:HA	2:88:B:ARG:HD3	3	0.8
(1,2805)	2:81:B:ASP:HA	2:84:B:ARG:HB3	9	0.8
(1,2779)	2:88:B:ARG:HB3	2:88:B:ARG:HD3	1	0.8
(1,2778)	2:88:B:ARG:H	2:88:B:ARG:HD3	15	0.8
(1,2728)	2:92:B:MK8:HB1A	2:95:B:ASP:H	15	0.8
(1,2728)	2:92:B:MK8:HB1B	2:95:B:ASP:H	15	0.8
(1,2532)	1:34:A:VAL:HG21	1:177:A:TRP:HH2	1	0.8
(1,2532)	1:34:A:VAL:HG22	1:177:A:TRP:HH2	1	0.8
(1,2532)	1:34:A:VAL:HG23	1:177:A:TRP:HH2	1	0.8
(1,2365)	2:93:B:VAL:HG21	1:89:A:TYR:HD1	4	0.8
(1,2365)	2:93:B:VAL:HG21	1:89:A:TYR:HD2	4	0.8
(1,2365)	2:93:B:VAL:HG22	1:89:A:TYR:HD1	4	0.8
(1,2365)	2:93:B:VAL:HG22	1:89:A:TYR:HD2	4	0.8
(1,2365)	2:93:B:VAL:HG23	1:89:A:TYR:HD1	4	0.8
(1,2365)	2:93:B:VAL:HG23	1:89:A:TYR:HD2	4	0.8
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB1	4	0.8
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB2	4	0.8
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB3	4	0.8
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG21	13	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG22	13	0.8
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG23	13	0.8
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG11	5	0.8
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG12	5	0.8
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG13	5	0.8
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG11	20	0.8
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG12	20	0.8
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG13	20	0.8
(1,2069)	1:163:A:LEU:HD11	1:159:A:VAL:HG21	7	0.8
(1,2069)	1:163:A:LEU:HD11	1:159:A:VAL:HG22	7	0.8
(1,2069)	1:163:A:LEU:HD11	1:159:A:VAL:HG23	7	0.8
(1,2069)	1:163:A:LEU:HD12	1:159:A:VAL:HG21	7	0.8
(1,2069)	1:163:A:LEU:HD12	1:159:A:VAL:HG22	7	0.8
(1,2069)	1:163:A:LEU:HD12	1:159:A:VAL:HG23	7	0.8
(1,2069)	1:163:A:LEU:HD13	1:159:A:VAL:HG21	7	0.8
(1,2069)	1:163:A:LEU:HD13	1:159:A:VAL:HG22	7	0.8
(1,2069)	1:163:A:LEU:HD13	1:159:A:VAL:HG23	7	0.8
(1,2069)	1:163:A:LEU:HD21	1:159:A:VAL:HG21	7	0.8
(1,2069)	1:163:A:LEU:HD21	1:159:A:VAL:HG22	7	0.8
(1,2069)	1:163:A:LEU:HD21	1:159:A:VAL:HG23	7	0.8
(1,2069)	1:163:A:LEU:HD22	1:159:A:VAL:HG21	7	0.8
(1,2069)	1:163:A:LEU:HD22	1:159:A:VAL:HG22	7	0.8
(1,2069)	1:163:A:LEU:HD22	1:159:A:VAL:HG23	7	0.8
(1,2069)	1:163:A:LEU:HD23	1:159:A:VAL:HG21	7	0.8
(1,2069)	1:163:A:LEU:HD23	1:159:A:VAL:HG22	7	0.8
(1,2069)	1:163:A:LEU:HD23	1:159:A:VAL:HG23	7	0.8
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD11	5	0.8
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD12	5	0.8
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD13	5	0.8
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD21	5	0.8
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD22	5	0.8
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD23	5	0.8
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD11	5	0.8
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD12	5	0.8
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD13	5	0.8
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD21	5	0.8
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD22	5	0.8
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD23	5	0.8
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD11	5	0.8
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD12	5	0.8
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD13	5	0.8
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD21	5	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD22	5	0.8
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD23	5	0.8
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD11	19	0.8
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD12	19	0.8
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD13	19	0.8
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD21	19	0.8
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD22	19	0.8
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD23	19	0.8
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD11	19	0.8
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD12	19	0.8
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD13	19	0.8
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD21	19	0.8
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD22	19	0.8
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD23	19	0.8
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD11	19	0.8
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD12	19	0.8
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD13	19	0.8
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD21	19	0.8
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD22	19	0.8
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD23	19	0.8
(1,2012)	1:159:A:VAL:H	1:159:A:VAL:HG11	9	0.8
(1,2012)	1:159:A:VAL:H	1:159:A:VAL:HG12	9	0.8
(1,2012)	1:159:A:VAL:H	1:159:A:VAL:HG13	9	0.8
(1,2012)	1:159:A:VAL:H	1:159:A:VAL:HG11	15	0.8
(1,2012)	1:159:A:VAL:H	1:159:A:VAL:HG12	15	0.8
(1,2012)	1:159:A:VAL:H	1:159:A:VAL:HG13	15	0.8
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG21	17	0.8
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG22	17	0.8
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG23	17	0.8
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG21	17	0.8
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG22	17	0.8
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG23	17	0.8
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG21	17	0.8
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG22	17	0.8
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG23	17	0.8
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD11	1	0.8
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD12	1	0.8
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD13	1	0.8
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD21	2	0.8
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD22	2	0.8
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD23	2	0.8
(1,1850)	1:39:A:VAL:HG21	1:63:A:LEU:HD21	20	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1850)	1:39:A:VAL:HG21	1:63:A:LEU:HD22	20	0.8
(1,1850)	1:39:A:VAL:HG21	1:63:A:LEU:HD23	20	0.8
(1,1850)	1:39:A:VAL:HG22	1:63:A:LEU:HD21	20	0.8
(1,1850)	1:39:A:VAL:HG22	1:63:A:LEU:HD22	20	0.8
(1,1850)	1:39:A:VAL:HG22	1:63:A:LEU:HD23	20	0.8
(1,1850)	1:39:A:VAL:HG23	1:63:A:LEU:HD21	20	0.8
(1,1850)	1:39:A:VAL:HG23	1:63:A:LEU:HD22	20	0.8
(1,1850)	1:39:A:VAL:HG23	1:63:A:LEU:HD23	20	0.8
(1,1588)	1:129:A:VAL:HG11	1:128:A:VAL:HB	19	0.8
(1,1588)	1:129:A:VAL:HG12	1:128:A:VAL:HB	19	0.8
(1,1588)	1:129:A:VAL:HG13	1:128:A:VAL:HB	19	0.8
(1,1549)	1:61:A:VAL:HG11	1:60:A:MET:HB3	1	0.8
(1,1549)	1:61:A:VAL:HG12	1:60:A:MET:HB3	1	0.8
(1,1549)	1:61:A:VAL:HG13	1:60:A:MET:HB3	1	0.8
(1,1549)	1:61:A:VAL:HG11	1:60:A:MET:HB3	11	0.8
(1,1549)	1:61:A:VAL:HG12	1:60:A:MET:HB3	11	0.8
(1,1549)	1:61:A:VAL:HG13	1:60:A:MET:HB3	11	0.8
(1,1063)	1:19:A:LEU:HB3	1:18:A:ALA:HA	10	0.8
(1,689)	1:98:A:GLN:HB3	1:95:A:THR:HA	12	0.8
(1,433)	1:92:A:GLU:HG3	1:91:A:SER:H	10	0.8
(1,433)	1:92:A:GLU:HG3	1:91:A:SER:H	14	0.8
(1,365)	1:87:A:ARG:HB3	1:87:A:ARG:HE	4	0.8
(1,239)	1:98:A:GLN:HB3	1:97:A:LEU:H	20	0.8
(1,2980)	1:81:A:ILE:HG21	2:100:B:SER:HB3	14	0.79
(1,2980)	1:81:A:ILE:HG22	2:100:B:SER:HB3	14	0.79
(1,2980)	1:81:A:ILE:HG23	2:100:B:SER:HB3	14	0.79
(1,2822)	2:88:B:ARG:HA	2:88:B:ARG:HD3	20	0.79
(1,2779)	2:88:B:ARG:HB3	2:88:B:ARG:HD3	10	0.79
(1,2667)	2:92:B:MK8:HB1A	2:95:B:ASP:HB3	3	0.79
(1,2667)	2:92:B:MK8:HB1B	2:95:B:ASP:HB3	3	0.79
(1,2563)	1:98:A:GLN:HG3	1:99:A:HIS:HD2	8	0.79
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE1	5	0.79
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE2	5	0.79
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE3	5	0.79
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE1	5	0.79
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE2	5	0.79
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE3	5	0.79
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE1	5	0.79
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE2	5	0.79
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE3	5	0.79
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG21	20	0.79
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG22	20	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG23	20	0.79
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG11	9	0.79
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG12	9	0.79
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG13	9	0.79
(1,2069)	1:163:A:LEU:HD11	1:159:A:VAL:HG21	8	0.79
(1,2069)	1:163:A:LEU:HD11	1:159:A:VAL:HG22	8	0.79
(1,2069)	1:163:A:LEU:HD11	1:159:A:VAL:HG23	8	0.79
(1,2069)	1:163:A:LEU:HD12	1:159:A:VAL:HG21	8	0.79
(1,2069)	1:163:A:LEU:HD12	1:159:A:VAL:HG22	8	0.79
(1,2069)	1:163:A:LEU:HD12	1:159:A:VAL:HG23	8	0.79
(1,2069)	1:163:A:LEU:HD13	1:159:A:VAL:HG21	8	0.79
(1,2069)	1:163:A:LEU:HD13	1:159:A:VAL:HG22	8	0.79
(1,2069)	1:163:A:LEU:HD13	1:159:A:VAL:HG23	8	0.79
(1,2069)	1:163:A:LEU:HD21	1:159:A:VAL:HG21	8	0.79
(1,2069)	1:163:A:LEU:HD21	1:159:A:VAL:HG22	8	0.79
(1,2069)	1:163:A:LEU:HD21	1:159:A:VAL:HG23	8	0.79
(1,2069)	1:163:A:LEU:HD22	1:159:A:VAL:HG21	8	0.79
(1,2069)	1:163:A:LEU:HD22	1:159:A:VAL:HG22	8	0.79
(1,2069)	1:163:A:LEU:HD22	1:159:A:VAL:HG23	8	0.79
(1,2069)	1:163:A:LEU:HD23	1:159:A:VAL:HG21	8	0.79
(1,2069)	1:163:A:LEU:HD23	1:159:A:VAL:HG22	8	0.79
(1,2069)	1:163:A:LEU:HD23	1:159:A:VAL:HG23	8	0.79
(1,2012)	1:159:A:VAL:H	1:159:A:VAL:HG11	1	0.79
(1,2012)	1:159:A:VAL:H	1:159:A:VAL:HG12	1	0.79
(1,2012)	1:159:A:VAL:H	1:159:A:VAL:HG13	1	0.79
(1,2012)	1:159:A:VAL:H	1:159:A:VAL:HG11	3	0.79
(1,2012)	1:159:A:VAL:H	1:159:A:VAL:HG12	3	0.79
(1,2012)	1:159:A:VAL:H	1:159:A:VAL:HG13	3	0.79
(1,2012)	1:159:A:VAL:H	1:159:A:VAL:HG11	4	0.79
(1,2012)	1:159:A:VAL:H	1:159:A:VAL:HG12	4	0.79
(1,2012)	1:159:A:VAL:H	1:159:A:VAL:HG13	4	0.79
(1,2012)	1:159:A:VAL:H	1:159:A:VAL:HG11	7	0.79
(1,2012)	1:159:A:VAL:H	1:159:A:VAL:HG12	7	0.79
(1,2012)	1:159:A:VAL:H	1:159:A:VAL:HG13	7	0.79
(1,2012)	1:159:A:VAL:H	1:159:A:VAL:HG11	8	0.79
(1,2012)	1:159:A:VAL:H	1:159:A:VAL:HG12	8	0.79
(1,2012)	1:159:A:VAL:H	1:159:A:VAL:HG13	8	0.79
(1,2012)	1:159:A:VAL:H	1:159:A:VAL:HG11	11	0.79
(1,2012)	1:159:A:VAL:H	1:159:A:VAL:HG12	11	0.79
(1,2012)	1:159:A:VAL:H	1:159:A:VAL:HG13	11	0.79
(1,2012)	1:159:A:VAL:H	1:159:A:VAL:HG11	13	0.79
(1,2012)	1:159:A:VAL:H	1:159:A:VAL:HG12	13	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2012)	1:159:A:VAL:H	1:159:A:VAL:HG13	13	0.79
(1,2012)	1:159:A:VAL:H	1:159:A:VAL:HG11	14	0.79
(1,2012)	1:159:A:VAL:H	1:159:A:VAL:HG12	14	0.79
(1,2012)	1:159:A:VAL:H	1:159:A:VAL:HG13	14	0.79
(1,2012)	1:159:A:VAL:H	1:159:A:VAL:HG11	16	0.79
(1,2012)	1:159:A:VAL:H	1:159:A:VAL:HG12	16	0.79
(1,2012)	1:159:A:VAL:H	1:159:A:VAL:HG13	16	0.79
(1,2012)	1:159:A:VAL:H	1:159:A:VAL:HG11	17	0.79
(1,2012)	1:159:A:VAL:H	1:159:A:VAL:HG12	17	0.79
(1,2012)	1:159:A:VAL:H	1:159:A:VAL:HG13	17	0.79
(1,2012)	1:159:A:VAL:H	1:159:A:VAL:HG11	18	0.79
(1,2012)	1:159:A:VAL:H	1:159:A:VAL:HG12	18	0.79
(1,2012)	1:159:A:VAL:H	1:159:A:VAL:HG13	18	0.79
(1,2012)	1:159:A:VAL:H	1:159:A:VAL:HG11	19	0.79
(1,2012)	1:159:A:VAL:H	1:159:A:VAL:HG12	19	0.79
(1,2012)	1:159:A:VAL:H	1:159:A:VAL:HG13	19	0.79
(1,1983)	1:36:A:ARG:HG3	1:39:A:VAL:HG21	6	0.79
(1,1983)	1:36:A:ARG:HG3	1:39:A:VAL:HG22	6	0.79
(1,1983)	1:36:A:ARG:HG3	1:39:A:VAL:HG23	6	0.79
(1,1663)	1:27:A:VAL:HG11	1:24:A:GLU:HB3	17	0.79
(1,1663)	1:27:A:VAL:HG12	1:24:A:GLU:HB3	17	0.79
(1,1663)	1:27:A:VAL:HG13	1:24:A:GLU:HB3	17	0.79
(1,1467)	1:61:A:VAL:HA	1:60:A:MET:HG3	9	0.79
(1,1429)	1:159:A:VAL:HG11	1:32:A:GLU:HG3	4	0.79
(1,1429)	1:159:A:VAL:HG12	1:32:A:GLU:HG3	4	0.79
(1,1429)	1:159:A:VAL:HG13	1:32:A:GLU:HG3	4	0.79
(1,1159)	1:36:A:ARG:HA	1:36:A:ARG:HD3	16	0.79
(1,903)	1:87:A:ARG:HD3	1:87:A:ARG:HA	9	0.79
(1,883)	1:39:A:VAL:HG21	1:36:A:ARG:HA	14	0.79
(1,883)	1:39:A:VAL:HG22	1:36:A:ARG:HA	14	0.79
(1,883)	1:39:A:VAL:HG23	1:36:A:ARG:HA	14	0.79
(1,538)	1:22:A:ALA:HA	1:26:A:GLN:HE22	8	0.79
(1,204)	1:152:A:GLY:HA3	1:156:A:ARG:H	3	0.79
(1,3046)	1:81:A:ILE:HD11	2:101:B:ILE:HG13	15	0.78
(1,3046)	1:81:A:ILE:HD12	2:101:B:ILE:HG13	15	0.78
(1,3046)	1:81:A:ILE:HD13	2:101:B:ILE:HG13	15	0.78
(1,2902)	2:87:B:ALA:HA	2:90:B:LEU:HB3	12	0.78
(1,2728)	2:92:B:MK8:HB1A	2:95:B:ASP:H	1	0.78
(1,2728)	2:92:B:MK8:HB1B	2:95:B:ASP:H	1	0.78
(1,2553)	1:55:A:PRO:HG3	1:43:A:HIS:HD2	5	0.78
(1,2497)	1:39:A:VAL:HG21	1:35:A:PHE:HZ	12	0.78
(1,2497)	1:39:A:VAL:HG22	1:35:A:PHE:HZ	12	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2497)	1:39:A:VAL:HG23	1:35:A:PHE:HZ	12	0.78
(1,2222)	1:169:A:ARG:HD3	1:172:A:ALA:HB1	2	0.78
(1,2222)	1:169:A:ARG:HD3	1:172:A:ALA:HB2	2	0.78
(1,2222)	1:169:A:ARG:HD3	1:172:A:ALA:HB3	2	0.78
(1,2088)	1:139:A:ALA:HA	1:142:A:VAL:HG11	11	0.78
(1,2088)	1:139:A:ALA:HA	1:142:A:VAL:HG12	11	0.78
(1,2088)	1:139:A:ALA:HA	1:142:A:VAL:HG13	11	0.78
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG11	10	0.78
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG12	10	0.78
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG13	10	0.78
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD11	14	0.78
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD12	14	0.78
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD13	14	0.78
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD21	14	0.78
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD22	14	0.78
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD23	14	0.78
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD11	14	0.78
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD12	14	0.78
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD13	14	0.78
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD21	14	0.78
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD22	14	0.78
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD23	14	0.78
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD11	14	0.78
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD12	14	0.78
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD13	14	0.78
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD21	14	0.78
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD22	14	0.78
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD23	14	0.78
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD11	15	0.78
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD12	15	0.78
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD13	15	0.78
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD21	15	0.78
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD22	15	0.78
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD23	15	0.78
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD11	15	0.78
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD12	15	0.78
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD13	15	0.78
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD21	15	0.78
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD22	15	0.78
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD23	15	0.78
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD11	15	0.78
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD12	15	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD13	15	0.78
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD21	15	0.78
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD22	15	0.78
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD23	15	0.78
(1,2012)	1:159:A:VAL:H	1:159:A:VAL:HG11	10	0.78
(1,2012)	1:159:A:VAL:H	1:159:A:VAL:HG12	10	0.78
(1,2012)	1:159:A:VAL:H	1:159:A:VAL:HG13	10	0.78
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG11	13	0.78
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG12	13	0.78
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG13	13	0.78
(1,1826)	1:128:A:VAL:HA	1:131:A:LEU:HD11	10	0.78
(1,1826)	1:128:A:VAL:HA	1:131:A:LEU:HD12	10	0.78
(1,1826)	1:128:A:VAL:HA	1:131:A:LEU:HD13	10	0.78
(1,1738)	1:77:A:GLN:HE22	1:77:A:GLN:HB3	13	0.78
(1,1738)	1:77:A:GLN:HE22	1:77:A:GLN:HB3	15	0.78
(1,1676)	1:101:A:GLN:HG3	1:99:A:HIS:HB3	1	0.78
(1,1660)	1:47:A:GLN:HE21	1:46:A:GLU:HB3	12	0.78
(1,1418)	1:120:A:GLU:H	1:120:A:GLU:HG3	18	0.78
(1,1315)	1:39:A:VAL:HG11	1:40:A:PHE:HB3	4	0.78
(1,1315)	1:39:A:VAL:HG12	1:40:A:PHE:HB3	4	0.78
(1,1315)	1:39:A:VAL:HG13	1:40:A:PHE:HB3	4	0.78
(1,1156)	1:156:A:ARG:H	1:156:A:ARG:HD3	16	0.78
(1,282)	1:47:A:GLN:HB3	1:47:A:GLN:H	1	0.78
(1,2921)	2:92:B:MK8:HB1A	2:95:B:ASP:HB3	14	0.77
(1,2921)	2:92:B:MK8:HB1B	2:95:B:ASP:HB3	14	0.77
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB1	12	0.77
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB2	12	0.77
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB3	12	0.77
(1,2109)	1:147:A:LEU:HD21	1:142:A:VAL:HG11	6	0.77
(1,2109)	1:147:A:LEU:HD21	1:142:A:VAL:HG12	6	0.77
(1,2109)	1:147:A:LEU:HD21	1:142:A:VAL:HG13	6	0.77
(1,2109)	1:147:A:LEU:HD22	1:142:A:VAL:HG11	6	0.77
(1,2109)	1:147:A:LEU:HD22	1:142:A:VAL:HG12	6	0.77
(1,2109)	1:147:A:LEU:HD22	1:142:A:VAL:HG13	6	0.77
(1,2109)	1:147:A:LEU:HD23	1:142:A:VAL:HG11	6	0.77
(1,2109)	1:147:A:LEU:HD23	1:142:A:VAL:HG12	6	0.77
(1,2109)	1:147:A:LEU:HD23	1:142:A:VAL:HG13	6	0.77
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG11	1	0.77
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG12	1	0.77
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG13	1	0.77
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG11	17	0.77
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG12	17	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG13	17	0.77
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG11	12	0.77
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG12	12	0.77
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG13	12	0.77
(1,1747)	1:142:A:VAL:H	1:102:A:PRO:HG3	19	0.77
(1,1660)	1:47:A:GLN:HE21	1:46:A:GLU:HB3	8	0.77
(1,1554)	1:33:A:GLU:HB3	1:34:A:VAL:HB	19	0.77
(1,1484)	1:173:A:GLN:HA	1:173:A:GLN:HG3	1	0.77
(1,1424)	1:163:A:LEU:HD11	1:25:A:GLU:HG3	1	0.77
(1,1424)	1:163:A:LEU:HD12	1:25:A:GLU:HG3	1	0.77
(1,1424)	1:163:A:LEU:HD13	1:25:A:GLU:HG3	1	0.77
(1,1424)	1:163:A:LEU:HD21	1:25:A:GLU:HG3	1	0.77
(1,1424)	1:163:A:LEU:HD22	1:25:A:GLU:HG3	1	0.77
(1,1424)	1:163:A:LEU:HD23	1:25:A:GLU:HG3	1	0.77
(1,1424)	1:163:A:LEU:HD11	1:25:A:GLU:HG3	10	0.77
(1,1424)	1:163:A:LEU:HD12	1:25:A:GLU:HG3	10	0.77
(1,1424)	1:163:A:LEU:HD13	1:25:A:GLU:HG3	10	0.77
(1,1424)	1:163:A:LEU:HD21	1:25:A:GLU:HG3	10	0.77
(1,1424)	1:163:A:LEU:HD22	1:25:A:GLU:HG3	10	0.77
(1,1424)	1:163:A:LEU:HD23	1:25:A:GLU:HG3	10	0.77
(1,903)	1:87:A:ARG:HD3	1:87:A:ARG:HA	2	0.77
(1,513)	1:150:A:PHE:HA	1:153:A:GLN:HE22	6	0.77
(1,433)	1:92:A:GLU:HG3	1:91:A:SER:H	5	0.77
(1,282)	1:47:A:GLN:HB3	1:47:A:GLN:H	7	0.77
(1,96)	1:29:A:GLN:HB3	1:30:A:ASP:H	19	0.77
(1,2939)	2:99:B:ARG:HG3	2:100:B:SER:H	4	0.76
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE1	19	0.76
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE2	19	0.76
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE3	19	0.76
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE1	19	0.76
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE2	19	0.76
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE3	19	0.76
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE1	19	0.76
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE2	19	0.76
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE3	19	0.76
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG21	5	0.76
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG22	5	0.76
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG23	5	0.76
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG11	6	0.76
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG12	6	0.76
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG13	6	0.76
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG11	15	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG12	15	0.76
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG13	15	0.76
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG11	18	0.76
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG12	18	0.76
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG13	18	0.76
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD11	12	0.76
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD12	12	0.76
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD13	12	0.76
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD21	12	0.76
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD22	12	0.76
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD23	12	0.76
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD11	12	0.76
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD12	12	0.76
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD13	12	0.76
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD21	12	0.76
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD22	12	0.76
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD23	12	0.76
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD11	12	0.76
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD12	12	0.76
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD13	12	0.76
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD21	12	0.76
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD22	12	0.76
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD23	12	0.76
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG11	11	0.76
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG12	11	0.76
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG13	11	0.76
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG11	15	0.76
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG12	15	0.76
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG13	15	0.76
(1,1826)	1:128:A:VAL:HA	1:131:A:LEU:HD11	3	0.76
(1,1826)	1:128:A:VAL:HA	1:131:A:LEU:HD12	3	0.76
(1,1826)	1:128:A:VAL:HA	1:131:A:LEU:HD13	3	0.76
(1,1755)	1:56:A:ALA:H	1:55:A:PRO:HG3	14	0.76
(1,1738)	1:77:A:GLN:HE22	1:77:A:GLN:HB3	11	0.76
(1,1315)	1:39:A:VAL:HG11	1:40:A:PHE:HB3	18	0.76
(1,1315)	1:39:A:VAL:HG12	1:40:A:PHE:HB3	18	0.76
(1,1315)	1:39:A:VAL:HG13	1:40:A:PHE:HB3	18	0.76
(1,1129)	1:155:A:THR:HG21	1:152:A:GLY:HA3	11	0.76
(1,1129)	1:155:A:THR:HG22	1:152:A:GLY:HA3	11	0.76
(1,1129)	1:155:A:THR:HG23	1:152:A:GLY:HA3	11	0.76
(1,1029)	1:147:A:LEU:HD21	1:104:A:ALA:HA	7	0.76
(1,1029)	1:147:A:LEU:HD22	1:104:A:ALA:HA	7	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1029)	1:147:A:LEU:HD23	1:104:A:ALA:HA	7	0.76
(1,994)	1:50:A:GLU:HG3	1:50:A:GLU:HA	13	0.76
(1,903)	1:87:A:ARG:HD3	1:87:A:ARG:HA	14	0.76
(1,744)	1:21:A:SER:H	1:21:A:SER:HB3	9	0.76
(1,542)	1:172:A:ALA:HB1	1:173:A:GLN:HE22	4	0.76
(1,542)	1:172:A:ALA:HB2	1:173:A:GLN:HE22	4	0.76
(1,542)	1:172:A:ALA:HB3	1:173:A:GLN:HE22	4	0.76
(1,298)	1:88:A:ARG:HD3	1:88:A:ARG:H	9	0.76
(1,96)	1:29:A:GLN:HB3	1:30:A:ASP:H	17	0.76
(1,21)	1:21:A:SER:HB3	1:22:A:ALA:H	8	0.76
(1,3046)	1:81:A:ILE:HD11	2:101:B:ILE:HG13	1	0.75
(1,3046)	1:81:A:ILE:HD12	2:101:B:ILE:HG13	1	0.75
(1,3046)	1:81:A:ILE:HD13	2:101:B:ILE:HG13	1	0.75
(1,3044)	1:81:A:ILE:HG21	2:101:B:ILE:HG13	1	0.75
(1,3044)	1:81:A:ILE:HG22	2:101:B:ILE:HG13	1	0.75
(1,3044)	1:81:A:ILE:HG23	2:101:B:ILE:HG13	1	0.75
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD11	10	0.75
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD12	10	0.75
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD13	10	0.75
(1,2822)	2:88:B:ARG:HA	2:88:B:ARG:HD3	1	0.75
(1,2667)	2:92:B:MK8:HB1A	2:95:B:ASP:HB3	5	0.75
(1,2667)	2:92:B:MK8:HB1B	2:95:B:ASP:HB3	5	0.75
(1,2667)	2:92:B:MK8:HB1A	2:95:B:ASP:HB3	16	0.75
(1,2667)	2:92:B:MK8:HB1B	2:95:B:ASP:HB3	16	0.75
(1,2462)	1:118:A:LEU:HD21	1:119:A:PHE:HE1	14	0.75
(1,2462)	1:118:A:LEU:HD21	1:119:A:PHE:HE2	14	0.75
(1,2462)	1:118:A:LEU:HD22	1:119:A:PHE:HE1	14	0.75
(1,2462)	1:118:A:LEU:HD22	1:119:A:PHE:HE2	14	0.75
(1,2462)	1:118:A:LEU:HD23	1:119:A:PHE:HE1	14	0.75
(1,2462)	1:118:A:LEU:HD23	1:119:A:PHE:HE2	14	0.75
(1,2417)	1:136:A:TYR:HB3	1:35:A:PHE:HE1	7	0.75
(1,2417)	1:136:A:TYR:HB3	1:35:A:PHE:HE2	7	0.75
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB1	6	0.75
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB2	6	0.75
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB3	6	0.75
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG11	3	0.75
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG12	3	0.75
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG13	3	0.75
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG11	7	0.75
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG12	7	0.75
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG13	7	0.75
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG11	8	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG12	8	0.75
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG13	8	0.75
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG11	19	0.75
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG12	19	0.75
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG13	19	0.75
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD11	10	0.75
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD12	10	0.75
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD13	10	0.75
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD21	10	0.75
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD22	10	0.75
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD23	10	0.75
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD11	10	0.75
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD12	10	0.75
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD13	10	0.75
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD21	10	0.75
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD22	10	0.75
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD23	10	0.75
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD11	10	0.75
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD12	10	0.75
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD13	10	0.75
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD21	10	0.75
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD22	10	0.75
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD23	10	0.75
(1,1826)	1:128:A:VAL:HA	1:131:A:LEU:HD11	12	0.75
(1,1826)	1:128:A:VAL:HA	1:131:A:LEU:HD12	12	0.75
(1,1826)	1:128:A:VAL:HA	1:131:A:LEU:HD13	12	0.75
(1,1750)	1:142:A:VAL:HG21	1:102:A:PRO:HG3	2	0.75
(1,1750)	1:142:A:VAL:HG22	1:102:A:PRO:HG3	2	0.75
(1,1750)	1:142:A:VAL:HG23	1:102:A:PRO:HG3	2	0.75
(1,1663)	1:27:A:VAL:HG11	1:24:A:GLU:HB3	15	0.75
(1,1663)	1:27:A:VAL:HG12	1:24:A:GLU:HB3	15	0.75
(1,1663)	1:27:A:VAL:HG13	1:24:A:GLU:HB3	15	0.75
(1,1663)	1:27:A:VAL:HG11	1:24:A:GLU:HB3	19	0.75
(1,1663)	1:27:A:VAL:HG12	1:24:A:GLU:HB3	19	0.75
(1,1663)	1:27:A:VAL:HG13	1:24:A:GLU:HB3	19	0.75
(1,1644)	1:118:A:LEU:HD11	1:127:A:ARG:HG3	1	0.75
(1,1644)	1:118:A:LEU:HD12	1:127:A:ARG:HG3	1	0.75
(1,1644)	1:118:A:LEU:HD13	1:127:A:ARG:HG3	1	0.75
(1,1497)	1:150:A:PHE:HB3	1:153:A:GLN:HG3	20	0.75
(1,1418)	1:120:A:GLU:H	1:120:A:GLU:HG3	6	0.75
(1,1315)	1:39:A:VAL:HG11	1:40:A:PHE:HB3	8	0.75
(1,1315)	1:39:A:VAL:HG12	1:40:A:PHE:HB3	8	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1315)	1:39:A:VAL:HG13	1:40:A:PHE:HB3	8	0.75
(1,1249)	1:86:A:ASN:HD22	1:42:A:ARG:HD3	5	0.75
(1,920)	1:20:A:PRO:HB3	1:21:A:SER:HA	13	0.75
(1,689)	1:98:A:GLN:HB3	1:95:A:THR:HA	14	0.75
(1,618)	1:113:A:LYS:HG3	1:116:A:THR:HB	5	0.75
(1,410)	1:94:A:GLN:HE22	1:95:A:THR:H	15	0.75
(1,282)	1:47:A:GLN:HB3	1:47:A:GLN:H	17	0.75
(1,204)	1:152:A:GLY:HA3	1:156:A:ARG:H	2	0.75
(1,204)	1:152:A:GLY:HA3	1:156:A:ARG:H	5	0.75
(1,204)	1:152:A:GLY:HA3	1:156:A:ARG:H	8	0.75
(1,204)	1:152:A:GLY:HA3	1:156:A:ARG:H	10	0.75
(1,190)	1:183:A:LEU:HD21	1:125:A:TRP:H	10	0.75
(1,190)	1:183:A:LEU:HD22	1:125:A:TRP:H	10	0.75
(1,190)	1:183:A:LEU:HD23	1:125:A:TRP:H	10	0.75
(1,123)	1:34:A:VAL:HG11	1:74:A:VAL:H	3	0.75
(1,123)	1:34:A:VAL:HG12	1:74:A:VAL:H	3	0.75
(1,123)	1:34:A:VAL:HG13	1:74:A:VAL:H	3	0.75
(1,3045)	1:81:A:ILE:HG13	2:101:B:ILE:HG21	10	0.74
(1,3045)	1:81:A:ILE:HG13	2:101:B:ILE:HG22	10	0.74
(1,3045)	1:81:A:ILE:HG13	2:101:B:ILE:HG23	10	0.74
(1,3044)	1:81:A:ILE:HG21	2:101:B:ILE:HG13	8	0.74
(1,3044)	1:81:A:ILE:HG22	2:101:B:ILE:HG13	8	0.74
(1,3044)	1:81:A:ILE:HG23	2:101:B:ILE:HG13	8	0.74
(1,2822)	2:88:B:ARG:HA	2:88:B:ARG:HD3	15	0.74
(1,2778)	2:88:B:ARG:H	2:88:B:ARG:HD3	20	0.74
(1,2563)	1:98:A:GLN:HG3	1:99:A:HIS:HD2	6	0.74
(1,2493)	1:118:A:LEU:HD21	1:119:A:PHE:HZ	6	0.74
(1,2493)	1:118:A:LEU:HD22	1:119:A:PHE:HZ	6	0.74
(1,2493)	1:118:A:LEU:HD23	1:119:A:PHE:HZ	6	0.74
(1,2354)	1:76:A:ARG:HB3	1:41:A:TYR:HD1	14	0.74
(1,2354)	1:76:A:ARG:HB3	1:41:A:TYR:HD2	14	0.74
(1,2185)	1:183:A:LEU:HD21	1:180:A:ALA:HB1	8	0.74
(1,2185)	1:183:A:LEU:HD21	1:180:A:ALA:HB2	8	0.74
(1,2185)	1:183:A:LEU:HD21	1:180:A:ALA:HB3	8	0.74
(1,2185)	1:183:A:LEU:HD22	1:180:A:ALA:HB1	8	0.74
(1,2185)	1:183:A:LEU:HD22	1:180:A:ALA:HB2	8	0.74
(1,2185)	1:183:A:LEU:HD22	1:180:A:ALA:HB3	8	0.74
(1,2185)	1:183:A:LEU:HD23	1:180:A:ALA:HB1	8	0.74
(1,2185)	1:183:A:LEU:HD23	1:180:A:ALA:HB2	8	0.74
(1,2185)	1:183:A:LEU:HD23	1:180:A:ALA:HB3	8	0.74
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG21	12	0.74
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG22	12	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG23	12	0.74
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG21	13	0.74
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG22	13	0.74
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG23	13	0.74
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG11	2	0.74
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG12	2	0.74
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG13	2	0.74
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG11	11	0.74
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG12	11	0.74
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG13	11	0.74
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG11	12	0.74
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG12	12	0.74
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG13	12	0.74
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG11	13	0.74
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG12	13	0.74
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG13	13	0.74
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG11	14	0.74
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG12	14	0.74
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG13	14	0.74
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG11	16	0.74
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG12	16	0.74
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG13	16	0.74
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG11	17	0.74
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG12	17	0.74
(1,2077)	1:61:A:VAL:H	1:61:A:VAL:HG13	17	0.74
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD11	1	0.74
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD12	1	0.74
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD13	1	0.74
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD21	1	0.74
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD22	1	0.74
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD23	1	0.74
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD11	1	0.74
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD12	1	0.74
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD13	1	0.74
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD21	1	0.74
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD22	1	0.74
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD23	1	0.74
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD11	1	0.74
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD12	1	0.74
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD13	1	0.74
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD21	1	0.74
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD22	1	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD23	1	0.74
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD11	4	0.74
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD12	4	0.74
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD13	4	0.74
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD21	4	0.74
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD22	4	0.74
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD23	4	0.74
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD11	4	0.74
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD12	4	0.74
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD13	4	0.74
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD21	4	0.74
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD22	4	0.74
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD23	4	0.74
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD11	4	0.74
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD12	4	0.74
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD13	4	0.74
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD21	4	0.74
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD22	4	0.74
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD23	4	0.74
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG11	19	0.74
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG12	19	0.74
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG13	19	0.74
(1,1738)	1:77:A:GLN:HE22	1:77:A:GLN:HB3	19	0.74
(1,1484)	1:173:A:GLN:HA	1:173:A:GLN:HG3	14	0.74
(1,1350)	1:179:A:ALA:HB1	1:182:A:ASN:HB3	19	0.74
(1,1350)	1:179:A:ALA:HB2	1:182:A:ASN:HB3	19	0.74
(1,1350)	1:179:A:ALA:HB3	1:182:A:ASN:HB3	19	0.74
(1,1129)	1:155:A:THR:HG21	1:152:A:GLY:HA3	12	0.74
(1,1129)	1:155:A:THR:HG22	1:152:A:GLY:HA3	12	0.74
(1,1129)	1:155:A:THR:HG23	1:152:A:GLY:HA3	12	0.74
(1,689)	1:98:A:GLN:HB3	1:95:A:THR:HA	18	0.74
(1,679)	1:26:A:GLN:HG3	1:27:A:VAL:HA	4	0.74
(1,538)	1:22:A:ALA:HA	1:26:A:GLN:HE22	10	0.74
(1,298)	1:88:A:ARG:HD3	1:88:A:ARG:H	12	0.74
(1,282)	1:47:A:GLN:HB3	1:47:A:GLN:H	12	0.74
(1,204)	1:152:A:GLY:HA3	1:156:A:ARG:H	6	0.74
(1,204)	1:152:A:GLY:HA3	1:156:A:ARG:H	14	0.74
(1,204)	1:152:A:GLY:HA3	1:156:A:ARG:H	20	0.74
(1,139)	1:131:A:LEU:HD21	1:115:A:ALA:H	17	0.74
(1,139)	1:131:A:LEU:HD22	1:115:A:ALA:H	17	0.74
(1,139)	1:131:A:LEU:HD23	1:115:A:ALA:H	17	0.74
(1,96)	1:29:A:GLN:HB3	1:30:A:ASP:H	3	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,96)	1:29:A:GLN:HB3	1:30:A:ASP:H	4	0.74
(1,96)	1:29:A:GLN:HB3	1:30:A:ASP:H	5	0.74
(1,96)	1:29:A:GLN:HB3	1:30:A:ASP:H	11	0.74
(1,3097)	1:126:A:GLY:H	2:101:B:ILE:HG13	16	0.73
(1,2778)	2:88:B:ARG:H	2:88:B:ARG:HD3	17	0.73
(1,2563)	1:98:A:GLN:HG3	1:99:A:HIS:HD2	11	0.73
(1,2462)	1:118:A:LEU:HD21	1:119:A:PHE:HE1	4	0.73
(1,2462)	1:118:A:LEU:HD21	1:119:A:PHE:HE2	4	0.73
(1,2462)	1:118:A:LEU:HD22	1:119:A:PHE:HE1	4	0.73
(1,2462)	1:118:A:LEU:HD22	1:119:A:PHE:HE2	4	0.73
(1,2462)	1:118:A:LEU:HD23	1:119:A:PHE:HE1	4	0.73
(1,2462)	1:118:A:LEU:HD23	1:119:A:PHE:HE2	4	0.73
(1,2223)	1:26:A:GLN:HG3	1:172:A:ALA:HB1	4	0.73
(1,2223)	1:26:A:GLN:HG3	1:172:A:ALA:HB2	4	0.73
(1,2223)	1:26:A:GLN:HG3	1:172:A:ALA:HB3	4	0.73
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG21	7	0.73
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG22	7	0.73
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG23	7	0.73
(1,2109)	1:147:A:LEU:HD21	1:142:A:VAL:HG11	9	0.73
(1,2109)	1:147:A:LEU:HD21	1:142:A:VAL:HG12	9	0.73
(1,2109)	1:147:A:LEU:HD21	1:142:A:VAL:HG13	9	0.73
(1,2109)	1:147:A:LEU:HD22	1:142:A:VAL:HG11	9	0.73
(1,2109)	1:147:A:LEU:HD22	1:142:A:VAL:HG12	9	0.73
(1,2109)	1:147:A:LEU:HD22	1:142:A:VAL:HG13	9	0.73
(1,2109)	1:147:A:LEU:HD23	1:142:A:VAL:HG11	9	0.73
(1,2109)	1:147:A:LEU:HD23	1:142:A:VAL:HG12	9	0.73
(1,2109)	1:147:A:LEU:HD23	1:142:A:VAL:HG13	9	0.73
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG11	7	0.73
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG12	7	0.73
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG13	7	0.73
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG11	8	0.73
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG12	8	0.73
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG13	8	0.73
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG11	18	0.73
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG12	18	0.73
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG13	18	0.73
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD21	18	0.73
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD22	18	0.73
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD23	18	0.73
(1,1847)	1:40:A:PHE:H	1:63:A:LEU:HD21	15	0.73
(1,1847)	1:40:A:PHE:H	1:63:A:LEU:HD22	15	0.73
(1,1847)	1:40:A:PHE:H	1:63:A:LEU:HD23	15	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1842)	1:165:A:HIS:HA	1:166:A:CYS:HB3	3	0.73
(1,1826)	1:128:A:VAL:HA	1:131:A:LEU:HD11	17	0.73
(1,1826)	1:128:A:VAL:HA	1:131:A:LEU:HD12	17	0.73
(1,1826)	1:128:A:VAL:HA	1:131:A:LEU:HD13	17	0.73
(1,1755)	1:56:A:ALA:H	1:55:A:PRO:HG3	17	0.73
(1,1740)	1:63:A:LEU:HD11	1:64:A:PRO:HG3	11	0.73
(1,1740)	1:63:A:LEU:HD12	1:64:A:PRO:HG3	11	0.73
(1,1740)	1:63:A:LEU:HD13	1:64:A:PRO:HG3	11	0.73
(1,1738)	1:77:A:GLN:HE22	1:77:A:GLN:HB3	3	0.73
(1,1738)	1:77:A:GLN:HE22	1:77:A:GLN:HB3	8	0.73
(1,1676)	1:101:A:GLN:HG3	1:99:A:HIS:HB3	9	0.73
(1,1663)	1:27:A:VAL:HG11	1:24:A:GLU:HB3	14	0.73
(1,1663)	1:27:A:VAL:HG12	1:24:A:GLU:HB3	14	0.73
(1,1663)	1:27:A:VAL:HG13	1:24:A:GLU:HB3	14	0.73
(1,1660)	1:47:A:GLN:HE21	1:46:A:GLU:HB3	17	0.73
(1,1497)	1:150:A:PHE:HB3	1:153:A:GLN:HG3	18	0.73
(1,1484)	1:173:A:GLN:HA	1:173:A:GLN:HG3	3	0.73
(1,1484)	1:173:A:GLN:HA	1:173:A:GLN:HG3	12	0.73
(1,1418)	1:120:A:GLU:H	1:120:A:GLU:HG3	2	0.73
(1,1418)	1:120:A:GLU:H	1:120:A:GLU:HG3	3	0.73
(1,1418)	1:120:A:GLU:H	1:120:A:GLU:HG3	10	0.73
(1,1315)	1:39:A:VAL:HG11	1:40:A:PHE:HB3	9	0.73
(1,1315)	1:39:A:VAL:HG12	1:40:A:PHE:HB3	9	0.73
(1,1315)	1:39:A:VAL:HG13	1:40:A:PHE:HB3	9	0.73
(1,1033)	1:118:A:LEU:HD21	1:115:A:ALA:HA	9	0.73
(1,1033)	1:118:A:LEU:HD22	1:115:A:ALA:HA	9	0.73
(1,1033)	1:118:A:LEU:HD23	1:115:A:ALA:HA	9	0.73
(1,883)	1:39:A:VAL:HG21	1:36:A:ARG:HA	3	0.73
(1,883)	1:39:A:VAL:HG22	1:36:A:ARG:HA	3	0.73
(1,883)	1:39:A:VAL:HG23	1:36:A:ARG:HA	3	0.73
(1,839)	1:63:A:LEU:HB3	1:62:A:THR:HA	7	0.73
(1,839)	1:63:A:LEU:HB3	1:62:A:THR:HA	11	0.73
(1,744)	1:21:A:SER:H	1:21:A:SER:HB3	14	0.73
(1,744)	1:21:A:SER:H	1:21:A:SER:HB3	18	0.73
(1,204)	1:152:A:GLY:HA3	1:156:A:ARG:H	4	0.73
(1,204)	1:152:A:GLY:HA3	1:156:A:ARG:H	12	0.73
(1,204)	1:152:A:GLY:HA3	1:156:A:ARG:H	15	0.73
(1,3044)	1:81:A:ILE:HG21	2:101:B:ILE:HG13	15	0.72
(1,3044)	1:81:A:ILE:HG22	2:101:B:ILE:HG13	15	0.72
(1,3044)	1:81:A:ILE:HG23	2:101:B:ILE:HG13	15	0.72
(1,2902)	2:87:B:ALA:HA	2:90:B:LEU:HB3	10	0.72
(1,2778)	2:88:B:ARG:H	2:88:B:ARG:HD3	3	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2582)	1:140:A:LEU:HB3	1:136:A:TYR:HE1	6	0.72
(1,2582)	1:140:A:LEU:HB3	1:136:A:TYR:HE2	6	0.72
(1,2497)	1:39:A:VAL:HG21	1:35:A:PHE:HZ	20	0.72
(1,2497)	1:39:A:VAL:HG22	1:35:A:PHE:HZ	20	0.72
(1,2497)	1:39:A:VAL:HG23	1:35:A:PHE:HZ	20	0.72
(1,2443)	1:153:A:GLN:HB3	1:150:A:PHE:HE1	3	0.72
(1,2443)	1:153:A:GLN:HB3	1:150:A:PHE:HE2	3	0.72
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD11	2	0.72
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD12	2	0.72
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD13	2	0.72
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD11	6	0.72
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD12	6	0.72
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD13	6	0.72
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD21	6	0.72
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD22	6	0.72
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD23	6	0.72
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD11	6	0.72
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD12	6	0.72
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD13	6	0.72
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD21	6	0.72
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD22	6	0.72
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD23	6	0.72
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD11	6	0.72
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD12	6	0.72
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD13	6	0.72
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD21	6	0.72
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD22	6	0.72
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD23	6	0.72
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG11	19	0.72
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG12	19	0.72
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG13	19	0.72
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG11	1	0.72
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG12	1	0.72
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG13	1	0.72
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG11	2	0.72
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG12	2	0.72
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG13	2	0.72
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG11	3	0.72
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG12	3	0.72
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG13	3	0.72
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG11	6	0.72
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG12	6	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG13	6	0.72
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG11	7	0.72
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG12	7	0.72
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG13	7	0.72
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG11	8	0.72
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG12	8	0.72
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG13	8	0.72
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG11	9	0.72
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG12	9	0.72
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG13	9	0.72
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG11	10	0.72
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG12	10	0.72
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG13	10	0.72
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG11	11	0.72
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG12	11	0.72
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG13	11	0.72
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG11	12	0.72
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG12	12	0.72
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG13	12	0.72
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG11	13	0.72
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG12	13	0.72
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG13	13	0.72
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG11	15	0.72
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG12	15	0.72
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG13	15	0.72
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG11	18	0.72
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG12	18	0.72
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG13	18	0.72
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG11	20	0.72
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG12	20	0.72
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG13	20	0.72
(1,1886)	1:125:A:TRP:HE3	1:129:A:VAL:HG11	4	0.72
(1,1886)	1:125:A:TRP:HE3	1:129:A:VAL:HG12	4	0.72
(1,1886)	1:125:A:TRP:HE3	1:129:A:VAL:HG13	4	0.72
(1,1738)	1:77:A:GLN:HE22	1:77:A:GLN:HB3	6	0.72
(1,1485)	1:185:A:ASN:H	1:77:A:GLN:HG3	5	0.72
(1,1484)	1:173:A:GLN:HA	1:173:A:GLN:HG3	7	0.72
(1,1484)	1:173:A:GLN:HA	1:173:A:GLN:HG3	15	0.72
(1,1418)	1:120:A:GLU:H	1:120:A:GLU:HG3	12	0.72
(1,1315)	1:39:A:VAL:HG11	1:40:A:PHE:HB3	11	0.72
(1,1315)	1:39:A:VAL:HG12	1:40:A:PHE:HB3	11	0.72
(1,1315)	1:39:A:VAL:HG13	1:40:A:PHE:HB3	11	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1315)	1:39:A:VAL:HG11	1:40:A:PHE:HB3	19	0.72
(1,1315)	1:39:A:VAL:HG12	1:40:A:PHE:HB3	19	0.72
(1,1315)	1:39:A:VAL:HG13	1:40:A:PHE:HB3	19	0.72
(1,920)	1:20:A:PRO:HB3	1:21:A:SER:HA	16	0.72
(1,903)	1:87:A:ARG:HD3	1:87:A:ARG:HA	8	0.72
(1,508)	1:42:A:ARG:HD3	1:86:A:ASN:HD21	2	0.72
(1,410)	1:94:A:GLN:HE22	1:95:A:THR:H	19	0.72
(1,204)	1:152:A:GLY:HA3	1:156:A:ARG:H	17	0.72
(1,204)	1:152:A:GLY:HA3	1:156:A:ARG:H	18	0.72
(1,96)	1:29:A:GLN:HB3	1:30:A:ASP:H	18	0.72
(1,3046)	1:81:A:ILE:HD11	2:101:B:ILE:HG13	5	0.71
(1,3046)	1:81:A:ILE:HD12	2:101:B:ILE:HG13	5	0.71
(1,3046)	1:81:A:ILE:HD13	2:101:B:ILE:HG13	5	0.71
(1,2980)	1:81:A:ILE:HG21	2:100:B:SER:HB3	1	0.71
(1,2980)	1:81:A:ILE:HG22	2:100:B:SER:HB3	1	0.71
(1,2980)	1:81:A:ILE:HG23	2:100:B:SER:HB3	1	0.71
(1,2894)	2:84:B:ARG:HG3	2:85:B:ASN:H	17	0.71
(1,2778)	2:88:B:ARG:H	2:88:B:ARG:HD3	1	0.71
(1,2728)	2:92:B:MK8:HB1A	2:95:B:ASP:H	5	0.71
(1,2728)	2:92:B:MK8:HB1B	2:95:B:ASP:H	5	0.71
(1,2728)	2:92:B:MK8:HB1A	2:95:B:ASP:H	11	0.71
(1,2728)	2:92:B:MK8:HB1B	2:95:B:ASP:H	11	0.71
(1,2683)	2:84:B:ARG:HA	2:84:B:ARG:HD3	10	0.71
(1,2483)	1:147:A:LEU:HD21	1:150:A:PHE:HZ	9	0.71
(1,2483)	1:147:A:LEU:HD22	1:150:A:PHE:HZ	9	0.71
(1,2483)	1:147:A:LEU:HD23	1:150:A:PHE:HZ	9	0.71
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB1	16	0.71
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB2	16	0.71
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB3	16	0.71
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG21	9	0.71
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG22	9	0.71
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG23	9	0.71
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD11	5	0.71
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD12	5	0.71
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD13	5	0.71
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD11	3	0.71
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD12	3	0.71
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD13	3	0.71
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD21	3	0.71
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD22	3	0.71
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD23	3	0.71
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD11	3	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD12	3	0.71
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD13	3	0.71
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD21	3	0.71
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD22	3	0.71
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD23	3	0.71
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD11	3	0.71
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD12	3	0.71
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD13	3	0.71
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD21	3	0.71
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD22	3	0.71
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD23	3	0.71
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD11	7	0.71
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD12	7	0.71
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD13	7	0.71
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD21	7	0.71
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD22	7	0.71
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD23	7	0.71
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD11	7	0.71
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD12	7	0.71
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD13	7	0.71
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD21	7	0.71
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD22	7	0.71
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD23	7	0.71
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD11	7	0.71
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD12	7	0.71
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD13	7	0.71
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD21	7	0.71
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD22	7	0.71
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD23	7	0.71
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG11	4	0.71
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG12	4	0.71
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG13	4	0.71
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG11	5	0.71
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG12	5	0.71
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG13	5	0.71
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG11	14	0.71
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG12	14	0.71
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG13	14	0.71
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG11	16	0.71
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG12	16	0.71
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG13	16	0.71
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG11	17	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG12	17	0.71
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG13	17	0.71
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG11	19	0.71
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG12	19	0.71
(1,1908)	1:27:A:VAL:H	1:27:A:VAL:HG13	19	0.71
(1,1850)	1:39:A:VAL:HG21	1:63:A:LEU:HD21	15	0.71
(1,1850)	1:39:A:VAL:HG21	1:63:A:LEU:HD22	15	0.71
(1,1850)	1:39:A:VAL:HG21	1:63:A:LEU:HD23	15	0.71
(1,1850)	1:39:A:VAL:HG22	1:63:A:LEU:HD21	15	0.71
(1,1850)	1:39:A:VAL:HG22	1:63:A:LEU:HD22	15	0.71
(1,1850)	1:39:A:VAL:HG22	1:63:A:LEU:HD23	15	0.71
(1,1850)	1:39:A:VAL:HG23	1:63:A:LEU:HD21	15	0.71
(1,1850)	1:39:A:VAL:HG23	1:63:A:LEU:HD22	15	0.71
(1,1850)	1:39:A:VAL:HG23	1:63:A:LEU:HD23	15	0.71
(1,1793)	1:35:A:PHE:HE1	1:36:A:ARG:HG3	7	0.71
(1,1793)	1:35:A:PHE:HE2	1:36:A:ARG:HG3	7	0.71
(1,1755)	1:56:A:ALA:H	1:55:A:PRO:HG3	15	0.71
(1,1549)	1:61:A:VAL:HG11	1:60:A:MET:HB3	12	0.71
(1,1549)	1:61:A:VAL:HG12	1:60:A:MET:HB3	12	0.71
(1,1549)	1:61:A:VAL:HG13	1:60:A:MET:HB3	12	0.71
(1,1549)	1:61:A:VAL:HG11	1:60:A:MET:HB3	13	0.71
(1,1549)	1:61:A:VAL:HG12	1:60:A:MET:HB3	13	0.71
(1,1549)	1:61:A:VAL:HG13	1:60:A:MET:HB3	13	0.71
(1,1484)	1:173:A:GLN:HA	1:173:A:GLN:HG3	6	0.71
(1,1484)	1:173:A:GLN:HA	1:173:A:GLN:HG3	13	0.71
(1,1484)	1:173:A:GLN:HA	1:173:A:GLN:HG3	18	0.71
(1,1424)	1:163:A:LEU:HD11	1:25:A:GLU:HG3	5	0.71
(1,1424)	1:163:A:LEU:HD12	1:25:A:GLU:HG3	5	0.71
(1,1424)	1:163:A:LEU:HD13	1:25:A:GLU:HG3	5	0.71
(1,1424)	1:163:A:LEU:HD21	1:25:A:GLU:HG3	5	0.71
(1,1424)	1:163:A:LEU:HD22	1:25:A:GLU:HG3	5	0.71
(1,1424)	1:163:A:LEU:HD23	1:25:A:GLU:HG3	5	0.71
(1,1418)	1:120:A:GLU:H	1:120:A:GLU:HG3	7	0.71
(1,1418)	1:120:A:GLU:H	1:120:A:GLU:HG3	17	0.71
(1,1315)	1:39:A:VAL:HG11	1:40:A:PHE:HB3	7	0.71
(1,1315)	1:39:A:VAL:HG12	1:40:A:PHE:HB3	7	0.71
(1,1315)	1:39:A:VAL:HG13	1:40:A:PHE:HB3	7	0.71
(1,1315)	1:39:A:VAL:HG11	1:40:A:PHE:HB3	10	0.71
(1,1315)	1:39:A:VAL:HG12	1:40:A:PHE:HB3	10	0.71
(1,1315)	1:39:A:VAL:HG13	1:40:A:PHE:HB3	10	0.71
(1,1315)	1:39:A:VAL:HG11	1:40:A:PHE:HB3	13	0.71
(1,1315)	1:39:A:VAL:HG12	1:40:A:PHE:HB3	13	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1315)	1:39:A:VAL:HG13	1:40:A:PHE:HB3	13	0.71
(1,890)	1:77:A:GLN:HB3	1:76:A:ARG:HA	8	0.71
(1,513)	1:150:A:PHE:HA	1:153:A:GLN:HE22	17	0.71
(1,204)	1:152:A:GLY:HA3	1:156:A:ARG:H	1	0.71
(1,204)	1:152:A:GLY:HA3	1:156:A:ARG:H	7	0.71
(1,204)	1:152:A:GLY:HA3	1:156:A:ARG:H	11	0.71
(1,139)	1:131:A:LEU:HD21	1:115:A:ALA:H	3	0.71
(1,139)	1:131:A:LEU:HD22	1:115:A:ALA:H	3	0.71
(1,139)	1:131:A:LEU:HD23	1:115:A:ALA:H	3	0.71
(1,3052)	1:100:A:LEU:HB3	2:82:B:ILE:HG21	17	0.7
(1,3052)	1:100:A:LEU:HB3	2:82:B:ILE:HG22	17	0.7
(1,3052)	1:100:A:LEU:HB3	2:82:B:ILE:HG23	17	0.7
(1,3045)	1:81:A:ILE:HG13	2:101:B:ILE:HG21	16	0.7
(1,3045)	1:81:A:ILE:HG13	2:101:B:ILE:HG22	16	0.7
(1,3045)	1:81:A:ILE:HG13	2:101:B:ILE:HG23	16	0.7
(1,2556)	1:183:A:LEU:HD21	1:125:A:TRP:HE3	5	0.7
(1,2556)	1:183:A:LEU:HD22	1:125:A:TRP:HE3	5	0.7
(1,2556)	1:183:A:LEU:HD23	1:125:A:TRP:HE3	5	0.7
(1,2185)	1:183:A:LEU:HD21	1:180:A:ALA:HB1	19	0.7
(1,2185)	1:183:A:LEU:HD21	1:180:A:ALA:HB2	19	0.7
(1,2185)	1:183:A:LEU:HD21	1:180:A:ALA:HB3	19	0.7
(1,2185)	1:183:A:LEU:HD22	1:180:A:ALA:HB1	19	0.7
(1,2185)	1:183:A:LEU:HD22	1:180:A:ALA:HB2	19	0.7
(1,2185)	1:183:A:LEU:HD22	1:180:A:ALA:HB3	19	0.7
(1,2185)	1:183:A:LEU:HD23	1:180:A:ALA:HB1	19	0.7
(1,2185)	1:183:A:LEU:HD23	1:180:A:ALA:HB2	19	0.7
(1,2185)	1:183:A:LEU:HD23	1:180:A:ALA:HB3	19	0.7
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG21	14	0.7
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG22	14	0.7
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG23	14	0.7
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD11	17	0.7
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD12	17	0.7
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD13	17	0.7
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD21	17	0.7
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD22	17	0.7
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD23	17	0.7
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD11	17	0.7
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD12	17	0.7
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD13	17	0.7
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD21	17	0.7
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD22	17	0.7
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD23	17	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD11	17	0.7
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD12	17	0.7
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD13	17	0.7
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD21	17	0.7
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD22	17	0.7
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD23	17	0.7
(1,2013)	1:31:A:THR:HB	1:159:A:VAL:HG11	11	0.7
(1,2013)	1:31:A:THR:HB	1:159:A:VAL:HG12	11	0.7
(1,2013)	1:31:A:THR:HB	1:159:A:VAL:HG13	11	0.7
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG11	9	0.7
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG12	9	0.7
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG13	9	0.7
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG11	14	0.7
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG12	14	0.7
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG13	14	0.7
(1,1847)	1:40:A:PHE:H	1:63:A:LEU:HD21	18	0.7
(1,1847)	1:40:A:PHE:H	1:63:A:LEU:HD22	18	0.7
(1,1847)	1:40:A:PHE:H	1:63:A:LEU:HD23	18	0.7
(1,1844)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	10	0.7
(1,1844)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	10	0.7
(1,1844)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	10	0.7
(1,1747)	1:142:A:VAL:H	1:102:A:PRO:HG3	4	0.7
(1,1497)	1:150:A:PHE:HB3	1:153:A:GLN:HG3	13	0.7
(1,1418)	1:120:A:GLU:H	1:120:A:GLU:HG3	19	0.7
(1,934)	1:159:A:VAL:HG11	1:156:A:ARG:HA	15	0.7
(1,934)	1:159:A:VAL:HG12	1:156:A:ARG:HA	15	0.7
(1,934)	1:159:A:VAL:HG13	1:156:A:ARG:HA	15	0.7
(1,920)	1:20:A:PRO:HB3	1:21:A:SER:HA	14	0.7
(1,903)	1:87:A:ARG:HD3	1:87:A:ARG:HA	15	0.7
(1,890)	1:77:A:GLN:HB3	1:76:A:ARG:HA	4	0.7
(1,839)	1:63:A:LEU:HB3	1:62:A:THR:HA	2	0.7
(1,839)	1:63:A:LEU:HB3	1:62:A:THR:HA	15	0.7
(1,744)	1:21:A:SER:H	1:21:A:SER:HB3	16	0.7
(1,204)	1:152:A:GLY:HA3	1:156:A:ARG:H	9	0.7
(1,190)	1:183:A:LEU:HD21	1:125:A:TRP:H	5	0.7
(1,190)	1:183:A:LEU:HD22	1:125:A:TRP:H	5	0.7
(1,190)	1:183:A:LEU:HD23	1:125:A:TRP:H	5	0.7
(1,123)	1:34:A:VAL:HG11	1:74:A:VAL:H	12	0.7
(1,123)	1:34:A:VAL:HG12	1:74:A:VAL:H	12	0.7
(1,123)	1:34:A:VAL:HG13	1:74:A:VAL:H	12	0.7
(1,3044)	1:81:A:ILE:HG21	2:101:B:ILE:HG13	17	0.69
(1,3044)	1:81:A:ILE:HG22	2:101:B:ILE:HG13	17	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3044)	1:81:A:ILE:HG23	2:101:B:ILE:HG13	17	0.69
(1,2939)	2:99:B:ARG:HG3	2:100:B:SER:H	7	0.69
(1,2902)	2:87:B:ALA:HA	2:90:B:LEU:HB3	15	0.69
(1,2667)	2:92:B:MK8:HB1A	2:95:B:ASP:HB3	7	0.69
(1,2667)	2:92:B:MK8:HB1B	2:95:B:ASP:HB3	7	0.69
(1,2667)	2:92:B:MK8:HB1A	2:95:B:ASP:HB3	13	0.69
(1,2667)	2:92:B:MK8:HB1B	2:95:B:ASP:HB3	13	0.69
(1,2087)	1:150:A:PHE:HE1	1:142:A:VAL:HG11	8	0.69
(1,2087)	1:150:A:PHE:HE1	1:142:A:VAL:HG12	8	0.69
(1,2087)	1:150:A:PHE:HE1	1:142:A:VAL:HG13	8	0.69
(1,2087)	1:150:A:PHE:HE2	1:142:A:VAL:HG11	8	0.69
(1,2087)	1:150:A:PHE:HE2	1:142:A:VAL:HG12	8	0.69
(1,2087)	1:150:A:PHE:HE2	1:142:A:VAL:HG13	8	0.69
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG21	8	0.69
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG22	8	0.69
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG23	8	0.69
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG21	8	0.69
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG22	8	0.69
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG23	8	0.69
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG21	8	0.69
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG22	8	0.69
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG23	8	0.69
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG11	16	0.69
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG12	16	0.69
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG13	16	0.69
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD21	3	0.69
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD22	3	0.69
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD23	3	0.69
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD21	4	0.69
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD22	4	0.69
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD23	4	0.69
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD21	5	0.69
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD22	5	0.69
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD23	5	0.69
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD21	6	0.69
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD22	6	0.69
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD23	6	0.69
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD21	8	0.69
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD22	8	0.69
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD23	8	0.69
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD21	9	0.69
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD22	9	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD23	9	0.69
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD21	12	0.69
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD22	12	0.69
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD23	12	0.69
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD21	14	0.69
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD22	14	0.69
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD23	14	0.69
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD21	15	0.69
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD22	15	0.69
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD23	15	0.69
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD21	16	0.69
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD22	16	0.69
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD23	16	0.69
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD21	17	0.69
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD22	17	0.69
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD23	17	0.69
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD21	19	0.69
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD22	19	0.69
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD23	19	0.69
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD21	20	0.69
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD22	20	0.69
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD23	20	0.69
(1,1872)	1:64:A:PRO:HD3	1:63:A:LEU:HD11	17	0.69
(1,1872)	1:64:A:PRO:HD3	1:63:A:LEU:HD12	17	0.69
(1,1872)	1:64:A:PRO:HD3	1:63:A:LEU:HD13	17	0.69
(1,1842)	1:165:A:HIS:HA	1:166:A:CYS:HB3	4	0.69
(1,1842)	1:165:A:HIS:HA	1:166:A:CYS:HB3	5	0.69
(1,1842)	1:165:A:HIS:HA	1:166:A:CYS:HB3	20	0.69
(1,1793)	1:35:A:PHE:HE1	1:36:A:ARG:HG3	15	0.69
(1,1793)	1:35:A:PHE:HE2	1:36:A:ARG:HG3	15	0.69
(1,1755)	1:56:A:ALA:H	1:55:A:PRO:HG3	3	0.69
(1,1660)	1:47:A:GLN:HE21	1:46:A:GLU:HB3	11	0.69
(1,1497)	1:150:A:PHE:HB3	1:153:A:GLN:HG3	11	0.69
(1,1418)	1:120:A:GLU:H	1:120:A:GLU:HG3	16	0.69
(1,1350)	1:179:A:ALA:HB1	1:182:A:ASN:HB3	17	0.69
(1,1350)	1:179:A:ALA:HB2	1:182:A:ASN:HB3	17	0.69
(1,1350)	1:179:A:ALA:HB3	1:182:A:ASN:HB3	17	0.69
(1,1315)	1:39:A:VAL:HG11	1:40:A:PHE:HB3	6	0.69
(1,1315)	1:39:A:VAL:HG12	1:40:A:PHE:HB3	6	0.69
(1,1315)	1:39:A:VAL:HG13	1:40:A:PHE:HB3	6	0.69
(1,1315)	1:39:A:VAL:HG11	1:40:A:PHE:HB3	15	0.69
(1,1315)	1:39:A:VAL:HG12	1:40:A:PHE:HB3	15	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1315)	1:39:A:VAL:HG13	1:40:A:PHE:HB3	15	0.69
(1,1129)	1:155:A:THR:HG21	1:152:A:GLY:HA3	17	0.69
(1,1129)	1:155:A:THR:HG22	1:152:A:GLY:HA3	17	0.69
(1,1129)	1:155:A:THR:HG23	1:152:A:GLY:HA3	17	0.69
(1,1128)	1:155:A:THR:HB	1:152:A:GLY:HA3	20	0.69
(1,1001)	1:73:A:GLN:HG3	1:181:A:LEU:HA	10	0.69
(1,883)	1:39:A:VAL:HG21	1:36:A:ARG:HA	5	0.69
(1,883)	1:39:A:VAL:HG22	1:36:A:ARG:HA	5	0.69
(1,883)	1:39:A:VAL:HG23	1:36:A:ARG:HA	5	0.69
(1,436)	1:91:A:SER:HB3	1:91:A:SER:H	10	0.69
(1,436)	1:91:A:SER:HB3	1:91:A:SER:H	19	0.69
(1,269)	1:25:A:GLU:HB3	1:25:A:GLU:H	1	0.69
(1,269)	1:25:A:GLU:HB3	1:25:A:GLU:H	2	0.69
(1,269)	1:25:A:GLU:HB3	1:25:A:GLU:H	3	0.69
(1,269)	1:25:A:GLU:HB3	1:25:A:GLU:H	5	0.69
(1,269)	1:25:A:GLU:HB3	1:25:A:GLU:H	10	0.69
(1,269)	1:25:A:GLU:HB3	1:25:A:GLU:H	12	0.69
(1,269)	1:25:A:GLU:HB3	1:25:A:GLU:H	16	0.69
(1,269)	1:25:A:GLU:HB3	1:25:A:GLU:H	18	0.69
(1,204)	1:152:A:GLY:HA3	1:156:A:ARG:H	19	0.69
(1,3046)	1:81:A:ILE:HD11	2:101:B:ILE:HG13	19	0.68
(1,3046)	1:81:A:ILE:HD12	2:101:B:ILE:HG13	19	0.68
(1,3046)	1:81:A:ILE:HD13	2:101:B:ILE:HG13	19	0.68
(1,3044)	1:81:A:ILE:HG21	2:101:B:ILE:HG13	18	0.68
(1,3044)	1:81:A:ILE:HG22	2:101:B:ILE:HG13	18	0.68
(1,3044)	1:81:A:ILE:HG23	2:101:B:ILE:HG13	18	0.68
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD11	19	0.68
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD12	19	0.68
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD13	19	0.68
(1,2939)	2:99:B:ARG:HG3	2:100:B:SER:H	17	0.68
(1,2905)	2:88:B:ARG:HB3	2:88:B:ARG:HE	10	0.68
(1,2532)	1:34:A:VAL:HG21	1:177:A:TRP:HH2	2	0.68
(1,2532)	1:34:A:VAL:HG22	1:177:A:TRP:HH2	2	0.68
(1,2532)	1:34:A:VAL:HG23	1:177:A:TRP:HH2	2	0.68
(1,2532)	1:34:A:VAL:HG21	1:177:A:TRP:HH2	8	0.68
(1,2532)	1:34:A:VAL:HG22	1:177:A:TRP:HH2	8	0.68
(1,2532)	1:34:A:VAL:HG23	1:177:A:TRP:HH2	8	0.68
(1,2466)	1:109:A:GLU:HG3	1:110:A:TYR:HD1	14	0.68
(1,2466)	1:109:A:GLU:HG3	1:110:A:TYR:HD2	14	0.68
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB1	2	0.68
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB2	2	0.68
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB3	2	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG21	10	0.68
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG22	10	0.68
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG23	10	0.68
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD21	8	0.68
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD22	8	0.68
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD23	8	0.68
(1,1676)	1:101:A:GLN:HG3	1:99:A:HIS:HB3	6	0.68
(1,1676)	1:101:A:GLN:HG3	1:99:A:HIS:HB3	20	0.68
(1,1549)	1:61:A:VAL:HG11	1:60:A:MET:HB3	8	0.68
(1,1549)	1:61:A:VAL:HG12	1:60:A:MET:HB3	8	0.68
(1,1549)	1:61:A:VAL:HG13	1:60:A:MET:HB3	8	0.68
(1,1549)	1:61:A:VAL:HG11	1:60:A:MET:HB3	9	0.68
(1,1549)	1:61:A:VAL:HG12	1:60:A:MET:HB3	9	0.68
(1,1549)	1:61:A:VAL:HG13	1:60:A:MET:HB3	9	0.68
(1,1497)	1:150:A:PHE:HB3	1:153:A:GLN:HG3	8	0.68
(1,1485)	1:185:A:ASN:H	1:77:A:GLN:HG3	16	0.68
(1,1484)	1:173:A:GLN:HA	1:173:A:GLN:HG3	9	0.68
(1,1128)	1:155:A:THR:HB	1:152:A:GLY:HA3	15	0.68
(1,934)	1:159:A:VAL:HG11	1:156:A:ARG:HA	9	0.68
(1,934)	1:159:A:VAL:HG12	1:156:A:ARG:HA	9	0.68
(1,934)	1:159:A:VAL:HG13	1:156:A:ARG:HA	9	0.68
(1,530)	1:26:A:GLN:HB3	1:26:A:GLN:HE22	2	0.68
(1,530)	1:26:A:GLN:HB3	1:26:A:GLN:HE22	7	0.68
(1,530)	1:26:A:GLN:HB3	1:26:A:GLN:HE22	8	0.68
(1,530)	1:26:A:GLN:HB3	1:26:A:GLN:HE22	12	0.68
(1,530)	1:26:A:GLN:HB3	1:26:A:GLN:HE22	13	0.68
(1,530)	1:26:A:GLN:HB3	1:26:A:GLN:HE22	14	0.68
(1,530)	1:26:A:GLN:HB3	1:26:A:GLN:HE22	15	0.68
(1,530)	1:26:A:GLN:HB3	1:26:A:GLN:HE22	16	0.68
(1,530)	1:26:A:GLN:HB3	1:26:A:GLN:HE22	19	0.68
(1,530)	1:26:A:GLN:HB3	1:26:A:GLN:HE22	20	0.68
(1,269)	1:25:A:GLU:HB3	1:25:A:GLU:H	9	0.68
(1,269)	1:25:A:GLU:HB3	1:25:A:GLU:H	20	0.68
(1,204)	1:152:A:GLY:HA3	1:156:A:ARG:H	13	0.68
(1,3046)	1:81:A:ILE:HD11	2:101:B:ILE:HG13	7	0.67
(1,3046)	1:81:A:ILE:HD12	2:101:B:ILE:HG13	7	0.67
(1,3046)	1:81:A:ILE:HD13	2:101:B:ILE:HG13	7	0.67
(1,2905)	2:88:B:ARG:HB3	2:88:B:ARG:HE	1	0.67
(1,2778)	2:88:B:ARG:H	2:88:B:ARG:HD3	18	0.67
(1,2563)	1:98:A:GLN:HG3	1:99:A:HIS:HD2	9	0.67
(1,2563)	1:98:A:GLN:HG3	1:99:A:HIS:HD2	16	0.67
(1,2356)	1:37:A:SER:HB3	1:41:A:TYR:HD1	17	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2356)	1:37:A:SER:HB3	1:41:A:TYR:HD2	17	0.67
(1,2222)	1:169:A:ARG:HD3	1:172:A:ALA:HB1	11	0.67
(1,2222)	1:169:A:ARG:HD3	1:172:A:ALA:HB2	11	0.67
(1,2222)	1:169:A:ARG:HD3	1:172:A:ALA:HB3	11	0.67
(1,2090)	1:102:A:PRO:HG3	1:142:A:VAL:HG11	20	0.67
(1,2090)	1:102:A:PRO:HG3	1:142:A:VAL:HG12	20	0.67
(1,2090)	1:102:A:PRO:HG3	1:142:A:VAL:HG13	20	0.67
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD11	2	0.67
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD12	2	0.67
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD13	2	0.67
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD21	2	0.67
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD22	2	0.67
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD23	2	0.67
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD11	2	0.67
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD12	2	0.67
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD13	2	0.67
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD21	2	0.67
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD22	2	0.67
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD23	2	0.67
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD11	2	0.67
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD12	2	0.67
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD13	2	0.67
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD21	2	0.67
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD22	2	0.67
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD23	2	0.67
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG11	3	0.67
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG12	3	0.67
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG13	3	0.67
(1,1826)	1:128:A:VAL:HA	1:131:A:LEU:HD11	18	0.67
(1,1826)	1:128:A:VAL:HA	1:131:A:LEU:HD12	18	0.67
(1,1826)	1:128:A:VAL:HA	1:131:A:LEU:HD13	18	0.67
(1,1738)	1:77:A:GLN:HE22	1:77:A:GLN:HB3	10	0.67
(1,1676)	1:101:A:GLN:HG3	1:99:A:HIS:HB3	3	0.67
(1,1676)	1:101:A:GLN:HG3	1:99:A:HIS:HB3	18	0.67
(1,1484)	1:173:A:GLN:HA	1:173:A:GLN:HG3	5	0.67
(1,1447)	1:120:A:GLU:HA	1:120:A:GLU:HG3	13	0.67
(1,1447)	1:120:A:GLU:HA	1:120:A:GLU:HG3	18	0.67
(1,1427)	1:92:A:GLU:HA	1:92:A:GLU:HG3	16	0.67
(1,1315)	1:39:A:VAL:HG11	1:40:A:PHE:HB3	16	0.67
(1,1315)	1:39:A:VAL:HG12	1:40:A:PHE:HB3	16	0.67
(1,1315)	1:39:A:VAL:HG13	1:40:A:PHE:HB3	16	0.67
(1,927)	1:141:A:HIS:HB3	1:138:A:LEU:HA	2	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,670)	1:158:A:VAL:HB	1:155:A:THR:HA	10	0.67
(1,530)	1:26:A:GLN:HB3	1:26:A:GLN:HE22	1	0.67
(1,530)	1:26:A:GLN:HB3	1:26:A:GLN:HE22	10	0.67
(1,530)	1:26:A:GLN:HB3	1:26:A:GLN:HE22	11	0.67
(1,530)	1:26:A:GLN:HB3	1:26:A:GLN:HE22	17	0.67
(1,530)	1:26:A:GLN:HB3	1:26:A:GLN:HE22	18	0.67
(1,410)	1:94:A:GLN:HE22	1:95:A:THR:H	1	0.67
(1,365)	1:87:A:ARG:HB3	1:87:A:ARG:HE	15	0.67
(1,293)	1:29:A:GLN:HB3	1:29:A:GLN:H	12	0.67
(1,293)	1:29:A:GLN:HB3	1:29:A:GLN:H	20	0.67
(1,282)	1:47:A:GLN:HB3	1:47:A:GLN:H	15	0.67
(1,268)	1:50:A:GLU:HB3	1:52:A:VAL:H	3	0.67
(1,204)	1:152:A:GLY:HA3	1:156:A:ARG:H	16	0.67
(1,3044)	1:81:A:ILE:HG21	2:101:B:ILE:HG13	7	0.66
(1,3044)	1:81:A:ILE:HG22	2:101:B:ILE:HG13	7	0.66
(1,3044)	1:81:A:ILE:HG23	2:101:B:ILE:HG13	7	0.66
(1,3044)	1:81:A:ILE:HG21	2:101:B:ILE:HG13	19	0.66
(1,3044)	1:81:A:ILE:HG22	2:101:B:ILE:HG13	19	0.66
(1,3044)	1:81:A:ILE:HG23	2:101:B:ILE:HG13	19	0.66
(1,2905)	2:88:B:ARG:HB3	2:88:B:ARG:HE	15	0.66
(1,2822)	2:88:B:ARG:HA	2:88:B:ARG:HD3	10	0.66
(1,2791)	2:81:B:ASP:HA	2:84:B:ARG:HD3	18	0.66
(1,2683)	2:84:B:ARG:HA	2:84:B:ARG:HD3	13	0.66
(1,2667)	2:92:B:MK8:HB1A	2:95:B:ASP:HB3	11	0.66
(1,2667)	2:92:B:MK8:HB1B	2:95:B:ASP:HB3	11	0.66
(1,2586)	1:100:A:LEU:HD11	1:110:A:TYR:HE1	13	0.66
(1,2586)	1:100:A:LEU:HD11	1:110:A:TYR:HE2	13	0.66
(1,2586)	1:100:A:LEU:HD12	1:110:A:TYR:HE1	13	0.66
(1,2586)	1:100:A:LEU:HD12	1:110:A:TYR:HE2	13	0.66
(1,2586)	1:100:A:LEU:HD13	1:110:A:TYR:HE1	13	0.66
(1,2586)	1:100:A:LEU:HD13	1:110:A:TYR:HE2	13	0.66
(1,2493)	1:118:A:LEU:HD21	1:119:A:PHE:HZ	3	0.66
(1,2493)	1:118:A:LEU:HD22	1:119:A:PHE:HZ	3	0.66
(1,2493)	1:118:A:LEU:HD23	1:119:A:PHE:HZ	3	0.66
(1,2493)	1:118:A:LEU:HD21	1:119:A:PHE:HZ	12	0.66
(1,2493)	1:118:A:LEU:HD22	1:119:A:PHE:HZ	12	0.66
(1,2493)	1:118:A:LEU:HD23	1:119:A:PHE:HZ	12	0.66
(1,2417)	1:136:A:TYR:HB3	1:35:A:PHE:HE1	9	0.66
(1,2417)	1:136:A:TYR:HB3	1:35:A:PHE:HE2	9	0.66
(1,2417)	1:136:A:TYR:HB3	1:35:A:PHE:HE1	20	0.66
(1,2417)	1:136:A:TYR:HB3	1:35:A:PHE:HE2	20	0.66
(1,2354)	1:76:A:ARG:HB3	1:41:A:TYR:HD1	17	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2354)	1:76:A:ARG:HB3	1:41:A:TYR:HD2	17	0.66
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD11	13	0.66
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD12	13	0.66
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD13	13	0.66
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD21	13	0.66
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD22	13	0.66
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD23	13	0.66
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD11	13	0.66
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD12	13	0.66
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD13	13	0.66
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD21	13	0.66
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD22	13	0.66
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD23	13	0.66
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD11	13	0.66
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD12	13	0.66
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD13	13	0.66
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD21	13	0.66
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD22	13	0.66
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD23	13	0.66
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD11	16	0.66
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD12	16	0.66
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD13	16	0.66
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD21	16	0.66
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD22	16	0.66
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD23	16	0.66
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD11	16	0.66
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD12	16	0.66
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD13	16	0.66
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD21	16	0.66
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD22	16	0.66
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD23	16	0.66
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD11	16	0.66
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD12	16	0.66
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD13	16	0.66
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD21	16	0.66
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD22	16	0.66
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD23	16	0.66
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG11	17	0.66
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG12	17	0.66
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG13	17	0.66
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG21	10	0.66
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG22	10	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG23	10	0.66
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG21	10	0.66
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG22	10	0.66
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG23	10	0.66
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG21	10	0.66
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG22	10	0.66
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG23	10	0.66
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG11	4	0.66
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG12	4	0.66
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG13	4	0.66
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG11	1	0.66
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG12	1	0.66
(1,1910)	1:176:A:GLY:HA2	1:27:A:VAL:HG13	1	0.66
(1,1826)	1:128:A:VAL:HA	1:131:A:LEU:HD11	5	0.66
(1,1826)	1:128:A:VAL:HA	1:131:A:LEU:HD12	5	0.66
(1,1826)	1:128:A:VAL:HA	1:131:A:LEU:HD13	5	0.66
(1,1826)	1:128:A:VAL:HA	1:131:A:LEU:HD11	15	0.66
(1,1826)	1:128:A:VAL:HA	1:131:A:LEU:HD12	15	0.66
(1,1826)	1:128:A:VAL:HA	1:131:A:LEU:HD13	15	0.66
(1,1588)	1:129:A:VAL:HG11	1:128:A:VAL:HB	5	0.66
(1,1588)	1:129:A:VAL:HG12	1:128:A:VAL:HB	5	0.66
(1,1588)	1:129:A:VAL:HG13	1:128:A:VAL:HB	5	0.66
(1,1588)	1:129:A:VAL:HG11	1:128:A:VAL:HB	18	0.66
(1,1588)	1:129:A:VAL:HG12	1:128:A:VAL:HB	18	0.66
(1,1588)	1:129:A:VAL:HG13	1:128:A:VAL:HB	18	0.66
(1,1485)	1:185:A:ASN:H	1:77:A:GLN:HG3	1	0.66
(1,1484)	1:173:A:GLN:HA	1:173:A:GLN:HG3	2	0.66
(1,1467)	1:61:A:VAL:HA	1:60:A:MET:HG3	8	0.66
(1,1467)	1:61:A:VAL:HA	1:60:A:MET:HG3	13	0.66
(1,1467)	1:61:A:VAL:HA	1:60:A:MET:HG3	16	0.66
(1,1467)	1:61:A:VAL:HA	1:60:A:MET:HG3	17	0.66
(1,1464)	1:101:A:GLN:HA	1:101:A:GLN:HG3	16	0.66
(1,1447)	1:120:A:GLU:HA	1:120:A:GLU:HG3	1	0.66
(1,1447)	1:120:A:GLU:HA	1:120:A:GLU:HG3	20	0.66
(1,962)	1:163:A:LEU:HB3	1:160:A:ASP:HA	1	0.66
(1,934)	1:159:A:VAL:HG11	1:156:A:ARG:HA	1	0.66
(1,934)	1:159:A:VAL:HG12	1:156:A:ARG:HA	1	0.66
(1,934)	1:159:A:VAL:HG13	1:156:A:ARG:HA	1	0.66
(1,608)	1:106:A:ASN:H	1:103:A:THR:HB	12	0.66
(1,538)	1:22:A:ALA:HA	1:26:A:GLN:HE22	17	0.66
(1,530)	1:26:A:GLN:HB3	1:26:A:GLN:HE22	5	0.66
(1,530)	1:26:A:GLN:HB3	1:26:A:GLN:HE22	6	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,530)	1:26:A:GLN:HB3	1:26:A:GLN:HE22	9	0.66
(1,365)	1:87:A:ARG:HB3	1:87:A:ARG:HE	9	0.66
(1,293)	1:29:A:GLN:HB3	1:29:A:GLN:H	1	0.66
(1,293)	1:29:A:GLN:HB3	1:29:A:GLN:H	2	0.66
(1,3044)	1:81:A:ILE:HG21	2:101:B:ILE:HG13	12	0.65
(1,3044)	1:81:A:ILE:HG22	2:101:B:ILE:HG13	12	0.65
(1,3044)	1:81:A:ILE:HG23	2:101:B:ILE:HG13	12	0.65
(1,2921)	2:92:B:MK8:HB1A	2:95:B:ASP:HB3	17	0.65
(1,2921)	2:92:B:MK8:HB1B	2:95:B:ASP:HB3	17	0.65
(1,2892)	2:84:B:ARG:HA	2:84:B:ARG:HG3	8	0.65
(1,2586)	1:100:A:LEU:HD11	1:110:A:TYR:HE1	16	0.65
(1,2586)	1:100:A:LEU:HD11	1:110:A:TYR:HE2	16	0.65
(1,2586)	1:100:A:LEU:HD12	1:110:A:TYR:HE1	16	0.65
(1,2586)	1:100:A:LEU:HD12	1:110:A:TYR:HE2	16	0.65
(1,2586)	1:100:A:LEU:HD13	1:110:A:TYR:HE1	16	0.65
(1,2586)	1:100:A:LEU:HD13	1:110:A:TYR:HE2	16	0.65
(1,2556)	1:183:A:LEU:HD21	1:125:A:TRP:HE3	7	0.65
(1,2556)	1:183:A:LEU:HD22	1:125:A:TRP:HE3	7	0.65
(1,2556)	1:183:A:LEU:HD23	1:125:A:TRP:HE3	7	0.65
(1,2318)	1:84:A:ASP:HB3	1:85:A:ILE:HD11	16	0.65
(1,2318)	1:84:A:ASP:HB3	1:85:A:ILE:HD12	16	0.65
(1,2318)	1:84:A:ASP:HB3	1:85:A:ILE:HD13	16	0.65
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD11	9	0.65
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD12	9	0.65
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD13	9	0.65
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD21	9	0.65
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD22	9	0.65
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD23	9	0.65
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD11	9	0.65
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD12	9	0.65
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD13	9	0.65
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD21	9	0.65
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD22	9	0.65
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD23	9	0.65
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD11	9	0.65
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD12	9	0.65
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD13	9	0.65
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD21	9	0.65
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD22	9	0.65
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD23	9	0.65
(1,1960)	1:177:A:TRP:HE3	1:74:A:VAL:HG21	10	0.65
(1,1960)	1:177:A:TRP:HE3	1:74:A:VAL:HG22	10	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1960)	1:177:A:TRP:HE3	1:74:A:VAL:HG23	10	0.65
(1,1886)	1:125:A:TRP:HE3	1:129:A:VAL:HG11	5	0.65
(1,1886)	1:125:A:TRP:HE3	1:129:A:VAL:HG12	5	0.65
(1,1886)	1:125:A:TRP:HE3	1:129:A:VAL:HG13	5	0.65
(1,1872)	1:64:A:PRO:HD3	1:63:A:LEU:HD11	2	0.65
(1,1872)	1:64:A:PRO:HD3	1:63:A:LEU:HD12	2	0.65
(1,1872)	1:64:A:PRO:HD3	1:63:A:LEU:HD13	2	0.65
(1,1863)	1:129:A:VAL:H	1:129:A:VAL:HG11	19	0.65
(1,1863)	1:129:A:VAL:H	1:129:A:VAL:HG12	19	0.65
(1,1863)	1:129:A:VAL:H	1:129:A:VAL:HG13	19	0.65
(1,1849)	1:40:A:PHE:HB3	1:63:A:LEU:HD21	2	0.65
(1,1849)	1:40:A:PHE:HB3	1:63:A:LEU:HD22	2	0.65
(1,1849)	1:40:A:PHE:HB3	1:63:A:LEU:HD23	2	0.65
(1,1826)	1:128:A:VAL:HA	1:131:A:LEU:HD11	2	0.65
(1,1826)	1:128:A:VAL:HA	1:131:A:LEU:HD12	2	0.65
(1,1826)	1:128:A:VAL:HA	1:131:A:LEU:HD13	2	0.65
(1,1644)	1:118:A:LEU:HD11	1:127:A:ARG:HG3	17	0.65
(1,1644)	1:118:A:LEU:HD12	1:127:A:ARG:HG3	17	0.65
(1,1644)	1:118:A:LEU:HD13	1:127:A:ARG:HG3	17	0.65
(1,1545)	1:103:A:THR:HA	1:102:A:PRO:HB3	3	0.65
(1,1545)	1:103:A:THR:HA	1:102:A:PRO:HB3	4	0.65
(1,1447)	1:120:A:GLU:HA	1:120:A:GLU:HG3	11	0.65
(1,1424)	1:163:A:LEU:HD11	1:25:A:GLU:HG3	6	0.65
(1,1424)	1:163:A:LEU:HD12	1:25:A:GLU:HG3	6	0.65
(1,1424)	1:163:A:LEU:HD13	1:25:A:GLU:HG3	6	0.65
(1,1424)	1:163:A:LEU:HD21	1:25:A:GLU:HG3	6	0.65
(1,1424)	1:163:A:LEU:HD22	1:25:A:GLU:HG3	6	0.65
(1,1424)	1:163:A:LEU:HD23	1:25:A:GLU:HG3	6	0.65
(1,1418)	1:120:A:GLU:H	1:120:A:GLU:HG3	13	0.65
(1,1315)	1:39:A:VAL:HG11	1:40:A:PHE:HB3	1	0.65
(1,1315)	1:39:A:VAL:HG12	1:40:A:PHE:HB3	1	0.65
(1,1315)	1:39:A:VAL:HG13	1:40:A:PHE:HB3	1	0.65
(1,1250)	1:38:A:TYR:HD1	1:42:A:ARG:HD3	1	0.65
(1,1250)	1:38:A:TYR:HD2	1:42:A:ARG:HD3	1	0.65
(1,1189)	1:159:A:VAL:HG11	1:156:A:ARG:HD3	4	0.65
(1,1189)	1:159:A:VAL:HG12	1:156:A:ARG:HD3	4	0.65
(1,1189)	1:159:A:VAL:HG13	1:156:A:ARG:HD3	4	0.65
(1,1189)	1:159:A:VAL:HG11	1:156:A:ARG:HD3	7	0.65
(1,1189)	1:159:A:VAL:HG12	1:156:A:ARG:HD3	7	0.65
(1,1189)	1:159:A:VAL:HG13	1:156:A:ARG:HD3	7	0.65
(1,921)	1:98:A:GLN:HE22	1:98:A:GLN:HA	1	0.65
(1,530)	1:26:A:GLN:HB3	1:26:A:GLN:HE22	3	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,365)	1:87:A:ARG:HB3	1:87:A:ARG:HE	16	0.65
(1,298)	1:88:A:ARG:HD3	1:88:A:ARG:H	20	0.65
(1,3044)	1:81:A:ILE:HG21	2:101:B:ILE:HG13	2	0.64
(1,3044)	1:81:A:ILE:HG22	2:101:B:ILE:HG13	2	0.64
(1,3044)	1:81:A:ILE:HG23	2:101:B:ILE:HG13	2	0.64
(1,3044)	1:81:A:ILE:HG21	2:101:B:ILE:HG13	3	0.64
(1,3044)	1:81:A:ILE:HG22	2:101:B:ILE:HG13	3	0.64
(1,3044)	1:81:A:ILE:HG23	2:101:B:ILE:HG13	3	0.64
(1,3044)	1:81:A:ILE:HG21	2:101:B:ILE:HG13	4	0.64
(1,3044)	1:81:A:ILE:HG22	2:101:B:ILE:HG13	4	0.64
(1,3044)	1:81:A:ILE:HG23	2:101:B:ILE:HG13	4	0.64
(1,3044)	1:81:A:ILE:HG21	2:101:B:ILE:HG13	20	0.64
(1,3044)	1:81:A:ILE:HG22	2:101:B:ILE:HG13	20	0.64
(1,3044)	1:81:A:ILE:HG23	2:101:B:ILE:HG13	20	0.64
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD11	6	0.64
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD12	6	0.64
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD13	6	0.64
(1,2905)	2:88:B:ARG:HB3	2:88:B:ARG:HE	20	0.64
(1,2884)	2:82:B:ILE:H	2:82:B:ILE:HG13	9	0.64
(1,2728)	2:92:B:MK8:HB1A	2:95:B:ASP:H	19	0.64
(1,2728)	2:92:B:MK8:HB1B	2:95:B:ASP:H	19	0.64
(1,2586)	1:100:A:LEU:HD11	1:110:A:TYR:HE1	15	0.64
(1,2586)	1:100:A:LEU:HD11	1:110:A:TYR:HE2	15	0.64
(1,2586)	1:100:A:LEU:HD12	1:110:A:TYR:HE1	15	0.64
(1,2586)	1:100:A:LEU:HD12	1:110:A:TYR:HE2	15	0.64
(1,2586)	1:100:A:LEU:HD13	1:110:A:TYR:HE1	15	0.64
(1,2586)	1:100:A:LEU:HD13	1:110:A:TYR:HE2	15	0.64
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB1	3	0.64
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB2	3	0.64
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB3	3	0.64
(1,2016)	1:32:A:GLU:H	1:159:A:VAL:HG11	11	0.64
(1,2016)	1:32:A:GLU:H	1:159:A:VAL:HG12	11	0.64
(1,2016)	1:32:A:GLU:H	1:159:A:VAL:HG13	11	0.64
(1,1983)	1:36:A:ARG:HG3	1:39:A:VAL:HG21	4	0.64
(1,1983)	1:36:A:ARG:HG3	1:39:A:VAL:HG22	4	0.64
(1,1983)	1:36:A:ARG:HG3	1:39:A:VAL:HG23	4	0.64
(1,1872)	1:64:A:PRO:HD3	1:63:A:LEU:HD11	12	0.64
(1,1872)	1:64:A:PRO:HD3	1:63:A:LEU:HD12	12	0.64
(1,1872)	1:64:A:PRO:HD3	1:63:A:LEU:HD13	12	0.64
(1,1863)	1:129:A:VAL:H	1:129:A:VAL:HG11	2	0.64
(1,1863)	1:129:A:VAL:H	1:129:A:VAL:HG12	2	0.64
(1,1863)	1:129:A:VAL:H	1:129:A:VAL:HG13	2	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1863)	1:129:A:VAL:H	1:129:A:VAL:HG11	4	0.64
(1,1863)	1:129:A:VAL:H	1:129:A:VAL:HG12	4	0.64
(1,1863)	1:129:A:VAL:H	1:129:A:VAL:HG13	4	0.64
(1,1863)	1:129:A:VAL:H	1:129:A:VAL:HG11	5	0.64
(1,1863)	1:129:A:VAL:H	1:129:A:VAL:HG12	5	0.64
(1,1863)	1:129:A:VAL:H	1:129:A:VAL:HG13	5	0.64
(1,1863)	1:129:A:VAL:H	1:129:A:VAL:HG11	7	0.64
(1,1863)	1:129:A:VAL:H	1:129:A:VAL:HG12	7	0.64
(1,1863)	1:129:A:VAL:H	1:129:A:VAL:HG13	7	0.64
(1,1863)	1:129:A:VAL:H	1:129:A:VAL:HG11	9	0.64
(1,1863)	1:129:A:VAL:H	1:129:A:VAL:HG12	9	0.64
(1,1863)	1:129:A:VAL:H	1:129:A:VAL:HG13	9	0.64
(1,1863)	1:129:A:VAL:H	1:129:A:VAL:HG11	11	0.64
(1,1863)	1:129:A:VAL:H	1:129:A:VAL:HG12	11	0.64
(1,1863)	1:129:A:VAL:H	1:129:A:VAL:HG13	11	0.64
(1,1863)	1:129:A:VAL:H	1:129:A:VAL:HG11	13	0.64
(1,1863)	1:129:A:VAL:H	1:129:A:VAL:HG12	13	0.64
(1,1863)	1:129:A:VAL:H	1:129:A:VAL:HG13	13	0.64
(1,1863)	1:129:A:VAL:H	1:129:A:VAL:HG11	15	0.64
(1,1863)	1:129:A:VAL:H	1:129:A:VAL:HG12	15	0.64
(1,1863)	1:129:A:VAL:H	1:129:A:VAL:HG13	15	0.64
(1,1863)	1:129:A:VAL:H	1:129:A:VAL:HG11	18	0.64
(1,1863)	1:129:A:VAL:H	1:129:A:VAL:HG12	18	0.64
(1,1863)	1:129:A:VAL:H	1:129:A:VAL:HG13	18	0.64
(1,1863)	1:129:A:VAL:H	1:129:A:VAL:HG11	20	0.64
(1,1863)	1:129:A:VAL:H	1:129:A:VAL:HG12	20	0.64
(1,1863)	1:129:A:VAL:H	1:129:A:VAL:HG13	20	0.64
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD21	4	0.64
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD22	4	0.64
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD23	4	0.64
(1,1849)	1:40:A:PHE:HB3	1:63:A:LEU:HD21	8	0.64
(1,1849)	1:40:A:PHE:HB3	1:63:A:LEU:HD22	8	0.64
(1,1849)	1:40:A:PHE:HB3	1:63:A:LEU:HD23	8	0.64
(1,1663)	1:27:A:VAL:HG11	1:24:A:GLU:HB3	18	0.64
(1,1663)	1:27:A:VAL:HG12	1:24:A:GLU:HB3	18	0.64
(1,1663)	1:27:A:VAL:HG13	1:24:A:GLU:HB3	18	0.64
(1,1545)	1:103:A:THR:HA	1:102:A:PRO:HB3	2	0.64
(1,1545)	1:103:A:THR:HA	1:102:A:PRO:HB3	5	0.64
(1,1545)	1:103:A:THR:HA	1:102:A:PRO:HB3	6	0.64
(1,1545)	1:103:A:THR:HA	1:102:A:PRO:HB3	7	0.64
(1,1545)	1:103:A:THR:HA	1:102:A:PRO:HB3	8	0.64
(1,1545)	1:103:A:THR:HA	1:102:A:PRO:HB3	9	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1545)	1:103:A:THR:HA	1:102:A:PRO:HB3	10	0.64
(1,1545)	1:103:A:THR:HA	1:102:A:PRO:HB3	12	0.64
(1,1545)	1:103:A:THR:HA	1:102:A:PRO:HB3	13	0.64
(1,1545)	1:103:A:THR:HA	1:102:A:PRO:HB3	14	0.64
(1,1545)	1:103:A:THR:HA	1:102:A:PRO:HB3	15	0.64
(1,1545)	1:103:A:THR:HA	1:102:A:PRO:HB3	16	0.64
(1,1545)	1:103:A:THR:HA	1:102:A:PRO:HB3	17	0.64
(1,1545)	1:103:A:THR:HA	1:102:A:PRO:HB3	19	0.64
(1,1447)	1:120:A:GLU:HA	1:120:A:GLU:HG3	3	0.64
(1,1447)	1:120:A:GLU:HA	1:120:A:GLU:HG3	10	0.64
(1,1427)	1:92:A:GLU:HA	1:92:A:GLU:HG3	5	0.64
(1,1418)	1:120:A:GLU:H	1:120:A:GLU:HG3	20	0.64
(1,1315)	1:39:A:VAL:HG11	1:40:A:PHE:HB3	17	0.64
(1,1315)	1:39:A:VAL:HG12	1:40:A:PHE:HB3	17	0.64
(1,1315)	1:39:A:VAL:HG13	1:40:A:PHE:HB3	17	0.64
(1,1129)	1:155:A:THR:HG21	1:152:A:GLY:HA3	5	0.64
(1,1129)	1:155:A:THR:HG22	1:152:A:GLY:HA3	5	0.64
(1,1129)	1:155:A:THR:HG23	1:152:A:GLY:HA3	5	0.64
(1,1128)	1:155:A:THR:HB	1:152:A:GLY:HA3	8	0.64
(1,1128)	1:155:A:THR:HB	1:152:A:GLY:HA3	12	0.64
(1,1029)	1:147:A:LEU:HD21	1:104:A:ALA:HA	8	0.64
(1,1029)	1:147:A:LEU:HD22	1:104:A:ALA:HA	8	0.64
(1,1029)	1:147:A:LEU:HD23	1:104:A:ALA:HA	8	0.64
(1,896)	1:142:A:VAL:HG21	1:103:A:THR:HA	16	0.64
(1,896)	1:142:A:VAL:HG22	1:103:A:THR:HA	16	0.64
(1,896)	1:142:A:VAL:HG23	1:103:A:THR:HA	16	0.64
(1,558)	1:101:A:GLN:HG3	1:101:A:GLN:H	17	0.64
(1,436)	1:91:A:SER:HB3	1:91:A:SER:H	3	0.64
(1,298)	1:88:A:ARG:HD3	1:88:A:ARG:H	11	0.64
(1,293)	1:29:A:GLN:HB3	1:29:A:GLN:H	7	0.64
(1,293)	1:29:A:GLN:HB3	1:29:A:GLN:H	9	0.64
(1,293)	1:29:A:GLN:HB3	1:29:A:GLN:H	10	0.64
(1,2953)	1:85:A:ILE:HD11	2:100:B:SER:HB3	14	0.63
(1,2953)	1:85:A:ILE:HD12	2:100:B:SER:HB3	14	0.63
(1,2953)	1:85:A:ILE:HD13	2:100:B:SER:HB3	14	0.63
(1,2939)	2:99:B:ARG:HG3	2:100:B:SER:H	12	0.63
(1,2728)	2:92:B:MK8:HB1A	2:95:B:ASP:H	18	0.63
(1,2728)	2:92:B:MK8:HB1B	2:95:B:ASP:H	18	0.63
(1,2586)	1:100:A:LEU:HD11	1:110:A:TYR:HE1	6	0.63
(1,2586)	1:100:A:LEU:HD11	1:110:A:TYR:HE2	6	0.63
(1,2586)	1:100:A:LEU:HD12	1:110:A:TYR:HE1	6	0.63
(1,2586)	1:100:A:LEU:HD12	1:110:A:TYR:HE2	6	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2586)	1:100:A:LEU:HD13	1:110:A:TYR:HE1	6	0.63
(1,2586)	1:100:A:LEU:HD13	1:110:A:TYR:HE2	6	0.63
(1,2586)	1:100:A:LEU:HD11	1:110:A:TYR:HE1	7	0.63
(1,2586)	1:100:A:LEU:HD11	1:110:A:TYR:HE2	7	0.63
(1,2586)	1:100:A:LEU:HD12	1:110:A:TYR:HE1	7	0.63
(1,2586)	1:100:A:LEU:HD12	1:110:A:TYR:HE2	7	0.63
(1,2586)	1:100:A:LEU:HD13	1:110:A:TYR:HE1	7	0.63
(1,2586)	1:100:A:LEU:HD13	1:110:A:TYR:HE2	7	0.63
(1,2417)	1:136:A:TYR:HB3	1:35:A:PHE:HE1	15	0.63
(1,2417)	1:136:A:TYR:HB3	1:35:A:PHE:HE2	15	0.63
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB1	9	0.63
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB2	9	0.63
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB3	9	0.63
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG21	6	0.63
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG22	6	0.63
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG23	6	0.63
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG21	18	0.63
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG22	18	0.63
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG23	18	0.63
(1,2088)	1:139:A:ALA:HA	1:142:A:VAL:HG11	2	0.63
(1,2088)	1:139:A:ALA:HA	1:142:A:VAL:HG12	2	0.63
(1,2088)	1:139:A:ALA:HA	1:142:A:VAL:HG13	2	0.63
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG11	15	0.63
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG12	15	0.63
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG13	15	0.63
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG11	16	0.63
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG12	16	0.63
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG13	16	0.63
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG21	16	0.63
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG22	16	0.63
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG23	16	0.63
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG21	16	0.63
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG22	16	0.63
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG23	16	0.63
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG21	16	0.63
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG22	16	0.63
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG23	16	0.63
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG11	6	0.63
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG12	6	0.63
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG13	6	0.63
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG11	9	0.63
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG12	9	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG13	9	0.63
(1,1898)	1:143:A:TYR:HD1	1:147:A:LEU:HD21	7	0.63
(1,1898)	1:143:A:TYR:HD1	1:147:A:LEU:HD22	7	0.63
(1,1898)	1:143:A:TYR:HD1	1:147:A:LEU:HD23	7	0.63
(1,1898)	1:143:A:TYR:HD2	1:147:A:LEU:HD21	7	0.63
(1,1898)	1:143:A:TYR:HD2	1:147:A:LEU:HD22	7	0.63
(1,1898)	1:143:A:TYR:HD2	1:147:A:LEU:HD23	7	0.63
(1,1874)	1:65:A:LEU:HD11	1:63:A:LEU:HD11	1	0.63
(1,1874)	1:65:A:LEU:HD11	1:63:A:LEU:HD12	1	0.63
(1,1874)	1:65:A:LEU:HD11	1:63:A:LEU:HD13	1	0.63
(1,1874)	1:65:A:LEU:HD12	1:63:A:LEU:HD11	1	0.63
(1,1874)	1:65:A:LEU:HD12	1:63:A:LEU:HD12	1	0.63
(1,1874)	1:65:A:LEU:HD12	1:63:A:LEU:HD13	1	0.63
(1,1874)	1:65:A:LEU:HD13	1:63:A:LEU:HD11	1	0.63
(1,1874)	1:65:A:LEU:HD13	1:63:A:LEU:HD12	1	0.63
(1,1874)	1:65:A:LEU:HD13	1:63:A:LEU:HD13	1	0.63
(1,1874)	1:65:A:LEU:HD21	1:63:A:LEU:HD11	1	0.63
(1,1874)	1:65:A:LEU:HD21	1:63:A:LEU:HD12	1	0.63
(1,1874)	1:65:A:LEU:HD21	1:63:A:LEU:HD13	1	0.63
(1,1874)	1:65:A:LEU:HD22	1:63:A:LEU:HD11	1	0.63
(1,1874)	1:65:A:LEU:HD22	1:63:A:LEU:HD12	1	0.63
(1,1874)	1:65:A:LEU:HD22	1:63:A:LEU:HD13	1	0.63
(1,1874)	1:65:A:LEU:HD23	1:63:A:LEU:HD11	1	0.63
(1,1874)	1:65:A:LEU:HD23	1:63:A:LEU:HD12	1	0.63
(1,1874)	1:65:A:LEU:HD23	1:63:A:LEU:HD13	1	0.63
(1,1857)	1:138:A:LEU:HD11	1:97:A:LEU:HD21	7	0.63
(1,1857)	1:138:A:LEU:HD11	1:97:A:LEU:HD22	7	0.63
(1,1857)	1:138:A:LEU:HD11	1:97:A:LEU:HD23	7	0.63
(1,1857)	1:138:A:LEU:HD12	1:97:A:LEU:HD21	7	0.63
(1,1857)	1:138:A:LEU:HD12	1:97:A:LEU:HD22	7	0.63
(1,1857)	1:138:A:LEU:HD12	1:97:A:LEU:HD23	7	0.63
(1,1857)	1:138:A:LEU:HD13	1:97:A:LEU:HD21	7	0.63
(1,1857)	1:138:A:LEU:HD13	1:97:A:LEU:HD22	7	0.63
(1,1857)	1:138:A:LEU:HD13	1:97:A:LEU:HD23	7	0.63
(1,1857)	1:138:A:LEU:HD21	1:97:A:LEU:HD21	7	0.63
(1,1857)	1:138:A:LEU:HD21	1:97:A:LEU:HD22	7	0.63
(1,1857)	1:138:A:LEU:HD21	1:97:A:LEU:HD23	7	0.63
(1,1857)	1:138:A:LEU:HD22	1:97:A:LEU:HD21	7	0.63
(1,1857)	1:138:A:LEU:HD22	1:97:A:LEU:HD22	7	0.63
(1,1857)	1:138:A:LEU:HD22	1:97:A:LEU:HD23	7	0.63
(1,1857)	1:138:A:LEU:HD23	1:97:A:LEU:HD21	7	0.63
(1,1857)	1:138:A:LEU:HD23	1:97:A:LEU:HD22	7	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1857)	1:138:A:LEU:HD23	1:97:A:LEU:HD23	7	0.63
(1,1844)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	2	0.63
(1,1844)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	2	0.63
(1,1844)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	2	0.63
(1,1844)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	13	0.63
(1,1844)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	13	0.63
(1,1844)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	13	0.63
(1,1747)	1:142:A:VAL:H	1:102:A:PRO:HG3	2	0.63
(1,1740)	1:63:A:LEU:HD11	1:64:A:PRO:HG3	7	0.63
(1,1740)	1:63:A:LEU:HD12	1:64:A:PRO:HG3	7	0.63
(1,1740)	1:63:A:LEU:HD13	1:64:A:PRO:HG3	7	0.63
(1,1740)	1:63:A:LEU:HD11	1:64:A:PRO:HG3	19	0.63
(1,1740)	1:63:A:LEU:HD12	1:64:A:PRO:HG3	19	0.63
(1,1740)	1:63:A:LEU:HD13	1:64:A:PRO:HG3	19	0.63
(1,1676)	1:101:A:GLN:HG3	1:99:A:HIS:HB3	10	0.63
(1,1676)	1:101:A:GLN:HG3	1:99:A:HIS:HB3	19	0.63
(1,1663)	1:27:A:VAL:HG11	1:24:A:GLU:HB3	2	0.63
(1,1663)	1:27:A:VAL:HG12	1:24:A:GLU:HB3	2	0.63
(1,1663)	1:27:A:VAL:HG13	1:24:A:GLU:HB3	2	0.63
(1,1545)	1:103:A:THR:HA	1:102:A:PRO:HB3	1	0.63
(1,1545)	1:103:A:THR:HA	1:102:A:PRO:HB3	11	0.63
(1,1545)	1:103:A:THR:HA	1:102:A:PRO:HB3	18	0.63
(1,1545)	1:103:A:THR:HA	1:102:A:PRO:HB3	20	0.63
(1,1464)	1:101:A:GLN:HA	1:101:A:GLN:HG3	19	0.63
(1,1447)	1:120:A:GLU:HA	1:120:A:GLU:HG3	2	0.63
(1,1447)	1:120:A:GLU:HA	1:120:A:GLU:HG3	6	0.63
(1,1447)	1:120:A:GLU:HA	1:120:A:GLU:HG3	8	0.63
(1,1447)	1:120:A:GLU:HA	1:120:A:GLU:HG3	12	0.63
(1,1447)	1:120:A:GLU:HA	1:120:A:GLU:HG3	16	0.63
(1,1447)	1:120:A:GLU:HA	1:120:A:GLU:HG3	17	0.63
(1,1424)	1:163:A:LEU:HD11	1:25:A:GLU:HG3	4	0.63
(1,1424)	1:163:A:LEU:HD12	1:25:A:GLU:HG3	4	0.63
(1,1424)	1:163:A:LEU:HD13	1:25:A:GLU:HG3	4	0.63
(1,1424)	1:163:A:LEU:HD21	1:25:A:GLU:HG3	4	0.63
(1,1424)	1:163:A:LEU:HD22	1:25:A:GLU:HG3	4	0.63
(1,1424)	1:163:A:LEU:HD23	1:25:A:GLU:HG3	4	0.63
(1,733)	1:26:A:GLN:HG3	1:23:A:SER:HB3	7	0.63
(1,689)	1:98:A:GLN:HB3	1:95:A:THR:HA	15	0.63
(1,661)	1:34:A:VAL:HG11	1:31:A:THR:HA	13	0.63
(1,661)	1:34:A:VAL:HG12	1:31:A:THR:HA	13	0.63
(1,661)	1:34:A:VAL:HG13	1:31:A:THR:HA	13	0.63
(1,653)	1:73:A:GLN:HG3	1:70:A:THR:HA	3	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,542)	1:172:A:ALA:HB1	1:173:A:GLN:HE22	8	0.63
(1,542)	1:172:A:ALA:HB2	1:173:A:GLN:HE22	8	0.63
(1,542)	1:172:A:ALA:HB3	1:173:A:GLN:HE22	8	0.63
(1,436)	1:91:A:SER:HB3	1:91:A:SER:H	11	0.63
(1,436)	1:91:A:SER:HB3	1:91:A:SER:H	13	0.63
(1,298)	1:88:A:ARG:HD3	1:88:A:ARG:H	4	0.63
(1,293)	1:29:A:GLN:HB3	1:29:A:GLN:H	8	0.63
(1,293)	1:29:A:GLN:HB3	1:29:A:GLN:H	13	0.63
(1,293)	1:29:A:GLN:HB3	1:29:A:GLN:H	14	0.63
(1,293)	1:29:A:GLN:HB3	1:29:A:GLN:H	15	0.63
(1,293)	1:29:A:GLN:HB3	1:29:A:GLN:H	16	0.63
(1,282)	1:47:A:GLN:HB3	1:47:A:GLN:H	5	0.63
(1,282)	1:47:A:GLN:HB3	1:47:A:GLN:H	13	0.63
(1,268)	1:50:A:GLU:HB3	1:52:A:VAL:H	17	0.63
(1,171)	1:162:A:MET:HB3	1:161:A:PHE:H	18	0.63
(1,106)	1:162:A:MET:HG3	1:168:A:ALA:H	10	0.63
(1,3046)	1:81:A:ILE:HD11	2:101:B:ILE:HG13	12	0.62
(1,3046)	1:81:A:ILE:HD12	2:101:B:ILE:HG13	12	0.62
(1,3046)	1:81:A:ILE:HD13	2:101:B:ILE:HG13	12	0.62
(1,3044)	1:81:A:ILE:HG21	2:101:B:ILE:HG13	13	0.62
(1,3044)	1:81:A:ILE:HG22	2:101:B:ILE:HG13	13	0.62
(1,3044)	1:81:A:ILE:HG23	2:101:B:ILE:HG13	13	0.62
(1,3044)	1:81:A:ILE:HG21	2:101:B:ILE:HG13	14	0.62
(1,3044)	1:81:A:ILE:HG22	2:101:B:ILE:HG13	14	0.62
(1,3044)	1:81:A:ILE:HG23	2:101:B:ILE:HG13	14	0.62
(1,2939)	2:99:B:ARG:HG3	2:100:B:SER:H	2	0.62
(1,2902)	2:87:B:ALA:HA	2:90:B:LEU:HB3	17	0.62
(1,2884)	2:82:B:ILE:H	2:82:B:ILE:HG13	1	0.62
(1,2728)	2:92:B:MK8:HB1A	2:95:B:ASP:H	7	0.62
(1,2728)	2:92:B:MK8:HB1B	2:95:B:ASP:H	7	0.62
(1,2497)	1:39:A:VAL:HG21	1:35:A:PHE:HZ	2	0.62
(1,2497)	1:39:A:VAL:HG22	1:35:A:PHE:HZ	2	0.62
(1,2497)	1:39:A:VAL:HG23	1:35:A:PHE:HZ	2	0.62
(1,2222)	1:169:A:ARG:HD3	1:172:A:ALA:HB1	6	0.62
(1,2222)	1:169:A:ARG:HD3	1:172:A:ALA:HB2	6	0.62
(1,2222)	1:169:A:ARG:HD3	1:172:A:ALA:HB3	6	0.62
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE1	14	0.62
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE2	14	0.62
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE3	14	0.62
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE1	14	0.62
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE2	14	0.62
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE3	14	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE1	14	0.62
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE2	14	0.62
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE3	14	0.62
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG21	11	0.62
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG22	11	0.62
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG23	11	0.62
(1,2058)	1:111:A:PHE:HZ	1:158:A:VAL:HG21	10	0.62
(1,2058)	1:111:A:PHE:HZ	1:158:A:VAL:HG22	10	0.62
(1,2058)	1:111:A:PHE:HZ	1:158:A:VAL:HG23	10	0.62
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD11	8	0.62
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD12	8	0.62
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD13	8	0.62
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD21	8	0.62
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD22	8	0.62
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD23	8	0.62
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD11	8	0.62
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD12	8	0.62
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD13	8	0.62
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD21	8	0.62
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD22	8	0.62
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD23	8	0.62
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD11	8	0.62
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD12	8	0.62
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD13	8	0.62
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD21	8	0.62
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD22	8	0.62
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD23	8	0.62
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD11	11	0.62
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD12	11	0.62
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD13	11	0.62
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD21	11	0.62
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD22	11	0.62
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD23	11	0.62
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD11	11	0.62
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD12	11	0.62
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD13	11	0.62
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD21	11	0.62
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD22	11	0.62
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD23	11	0.62
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD11	11	0.62
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD12	11	0.62
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD13	11	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD21	11	0.62
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD22	11	0.62
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD23	11	0.62
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG11	8	0.62
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG12	8	0.62
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG13	8	0.62
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG11	1	0.62
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG12	1	0.62
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG13	1	0.62
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG11	2	0.62
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG12	2	0.62
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG13	2	0.62
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG11	3	0.62
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG12	3	0.62
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG13	3	0.62
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG11	4	0.62
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG12	4	0.62
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG13	4	0.62
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG11	5	0.62
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG12	5	0.62
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG13	5	0.62
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG11	7	0.62
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG12	7	0.62
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG13	7	0.62
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG11	10	0.62
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG12	10	0.62
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG13	10	0.62
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG11	11	0.62
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG12	11	0.62
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG13	11	0.62
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG11	12	0.62
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG12	12	0.62
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG13	12	0.62
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG11	13	0.62
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG12	13	0.62
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG13	13	0.62
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG11	14	0.62
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG12	14	0.62
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG13	14	0.62
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG11	15	0.62
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG12	15	0.62
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG13	15	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG11	16	0.62
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG12	16	0.62
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG13	16	0.62
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG11	17	0.62
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG12	17	0.62
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG13	17	0.62
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG11	18	0.62
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG12	18	0.62
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG13	18	0.62
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG11	19	0.62
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG12	19	0.62
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG13	19	0.62
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG11	20	0.62
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG12	20	0.62
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG13	20	0.62
(1,1755)	1:56:A:ALA:H	1:55:A:PRO:HG3	9	0.62
(1,1485)	1:185:A:ASN:H	1:77:A:GLN:HG3	12	0.62
(1,1484)	1:173:A:GLN:HA	1:173:A:GLN:HG3	10	0.62
(1,1484)	1:173:A:GLN:HA	1:173:A:GLN:HG3	16	0.62
(1,1467)	1:61:A:VAL:HA	1:60:A:MET:HG3	5	0.62
(1,1464)	1:101:A:GLN:HA	1:101:A:GLN:HG3	12	0.62
(1,1447)	1:120:A:GLU:HA	1:120:A:GLU:HG3	7	0.62
(1,1418)	1:120:A:GLU:H	1:120:A:GLU:HG3	1	0.62
(1,1252)	1:79:A:ALA:HB1	1:42:A:ARG:HD3	10	0.62
(1,1252)	1:79:A:ALA:HB2	1:42:A:ARG:HD3	10	0.62
(1,1252)	1:79:A:ALA:HB3	1:42:A:ARG:HD3	10	0.62
(1,962)	1:163:A:LEU:HB3	1:160:A:ASP:HA	7	0.62
(1,733)	1:26:A:GLN:HG3	1:23:A:SER:HB3	2	0.62
(1,689)	1:98:A:GLN:HB3	1:95:A:THR:HA	20	0.62
(1,661)	1:34:A:VAL:HG11	1:31:A:THR:HA	1	0.62
(1,661)	1:34:A:VAL:HG12	1:31:A:THR:HA	1	0.62
(1,661)	1:34:A:VAL:HG13	1:31:A:THR:HA	1	0.62
(1,661)	1:34:A:VAL:HG11	1:31:A:THR:HA	15	0.62
(1,661)	1:34:A:VAL:HG12	1:31:A:THR:HA	15	0.62
(1,661)	1:34:A:VAL:HG13	1:31:A:THR:HA	15	0.62
(1,178)	1:118:A:LEU:HD21	1:131:A:LEU:H	9	0.62
(1,178)	1:118:A:LEU:HD22	1:131:A:LEU:H	9	0.62
(1,178)	1:118:A:LEU:HD23	1:131:A:LEU:H	9	0.62
(1,139)	1:131:A:LEU:HD21	1:115:A:ALA:H	10	0.62
(1,139)	1:131:A:LEU:HD22	1:115:A:ALA:H	10	0.62
(1,139)	1:131:A:LEU:HD23	1:115:A:ALA:H	10	0.62
(1,3097)	1:126:A:GLY:H	2:101:B:ILE:HG13	11	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3044)	1:81:A:ILE:HG21	2:101:B:ILE:HG13	6	0.61
(1,3044)	1:81:A:ILE:HG22	2:101:B:ILE:HG13	6	0.61
(1,3044)	1:81:A:ILE:HG23	2:101:B:ILE:HG13	6	0.61
(1,2939)	2:99:B:ARG:HG3	2:100:B:SER:H	18	0.61
(1,2417)	1:136:A:TYR:HB3	1:35:A:PHE:HE1	2	0.61
(1,2417)	1:136:A:TYR:HB3	1:35:A:PHE:HE2	2	0.61
(1,2382)	1:147:A:LEU:HD21	1:150:A:PHE:HD1	8	0.61
(1,2382)	1:147:A:LEU:HD21	1:150:A:PHE:HD2	8	0.61
(1,2382)	1:147:A:LEU:HD22	1:150:A:PHE:HD1	8	0.61
(1,2382)	1:147:A:LEU:HD22	1:150:A:PHE:HD2	8	0.61
(1,2382)	1:147:A:LEU:HD23	1:150:A:PHE:HD1	8	0.61
(1,2382)	1:147:A:LEU:HD23	1:150:A:PHE:HD2	8	0.61
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB1	9	0.61
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB2	9	0.61
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB3	9	0.61
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB1	9	0.61
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB2	9	0.61
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB3	9	0.61
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB1	9	0.61
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB2	9	0.61
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB3	9	0.61
(1,1960)	1:177:A:TRP:HE3	1:74:A:VAL:HG21	14	0.61
(1,1960)	1:177:A:TRP:HE3	1:74:A:VAL:HG22	14	0.61
(1,1960)	1:177:A:TRP:HE3	1:74:A:VAL:HG23	14	0.61
(1,1872)	1:64:A:PRO:HD3	1:63:A:LEU:HD11	20	0.61
(1,1872)	1:64:A:PRO:HD3	1:63:A:LEU:HD12	20	0.61
(1,1872)	1:64:A:PRO:HD3	1:63:A:LEU:HD13	20	0.61
(1,1849)	1:40:A:PHE:HB3	1:63:A:LEU:HD21	4	0.61
(1,1849)	1:40:A:PHE:HB3	1:63:A:LEU:HD22	4	0.61
(1,1849)	1:40:A:PHE:HB3	1:63:A:LEU:HD23	4	0.61
(1,1826)	1:128:A:VAL:HA	1:131:A:LEU:HD11	7	0.61
(1,1826)	1:128:A:VAL:HA	1:131:A:LEU:HD12	7	0.61
(1,1826)	1:128:A:VAL:HA	1:131:A:LEU:HD13	7	0.61
(1,1518)	1:74:A:VAL:H	1:73:A:GLN:HG3	2	0.61
(1,1490)	1:47:A:GLN:HA	1:47:A:GLN:HG3	3	0.61
(1,1464)	1:101:A:GLN:HA	1:101:A:GLN:HG3	13	0.61
(1,1427)	1:92:A:GLU:HA	1:92:A:GLU:HG3	1	0.61
(1,1427)	1:92:A:GLU:HA	1:92:A:GLU:HG3	14	0.61
(1,1128)	1:155:A:THR:HB	1:152:A:GLY:HA3	4	0.61
(1,1128)	1:155:A:THR:HB	1:152:A:GLY:HA3	16	0.61
(1,934)	1:159:A:VAL:HG11	1:156:A:ARG:HA	13	0.61
(1,934)	1:159:A:VAL:HG12	1:156:A:ARG:HA	13	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,934)	1:159:A:VAL:HG13	1:156:A:ARG:HA	13	0.61
(1,868)	1:25:A:GLU:HG3	1:25:A:GLU:HA	17	0.61
(1,767)	1:40:A:PHE:HB3	1:37:A:SER:HB3	16	0.61
(1,733)	1:26:A:GLN:HG3	1:23:A:SER:HB3	13	0.61
(1,661)	1:34:A:VAL:HG11	1:31:A:THR:HA	16	0.61
(1,661)	1:34:A:VAL:HG12	1:31:A:THR:HA	16	0.61
(1,661)	1:34:A:VAL:HG13	1:31:A:THR:HA	16	0.61
(1,542)	1:172:A:ALA:HB1	1:173:A:GLN:HE22	14	0.61
(1,542)	1:172:A:ALA:HB2	1:173:A:GLN:HE22	14	0.61
(1,542)	1:172:A:ALA:HB3	1:173:A:GLN:HE22	14	0.61
(1,427)	1:99:A:HIS:HB3	1:99:A:HIS:H	18	0.61
(1,410)	1:94:A:GLN:HE22	1:95:A:THR:H	11	0.61
(1,390)	1:63:A:LEU:HD11	1:36:A:ARG:H	9	0.61
(1,390)	1:63:A:LEU:HD12	1:36:A:ARG:H	9	0.61
(1,390)	1:63:A:LEU:HD13	1:36:A:ARG:H	9	0.61
(1,282)	1:47:A:GLN:HB3	1:47:A:GLN:H	16	0.61
(1,90)	1:97:A:LEU:HD21	1:138:A:LEU:H	1	0.61
(1,90)	1:97:A:LEU:HD22	1:138:A:LEU:H	1	0.61
(1,90)	1:97:A:LEU:HD23	1:138:A:LEU:H	1	0.61
(1,3046)	1:81:A:ILE:HD11	2:101:B:ILE:HG13	13	0.6
(1,3046)	1:81:A:ILE:HD12	2:101:B:ILE:HG13	13	0.6
(1,3046)	1:81:A:ILE:HD13	2:101:B:ILE:HG13	13	0.6
(1,2934)	2:99:B:ARG:HA	2:99:B:ARG:HG3	5	0.6
(1,2934)	2:99:B:ARG:HA	2:99:B:ARG:HG3	9	0.6
(1,2728)	2:92:B:MK8:HB1A	2:95:B:ASP:H	13	0.6
(1,2728)	2:92:B:MK8:HB1B	2:95:B:ASP:H	13	0.6
(1,2497)	1:39:A:VAL:HG21	1:35:A:PHE:HZ	14	0.6
(1,2497)	1:39:A:VAL:HG22	1:35:A:PHE:HZ	14	0.6
(1,2497)	1:39:A:VAL:HG23	1:35:A:PHE:HZ	14	0.6
(1,2483)	1:147:A:LEU:HD21	1:150:A:PHE:HZ	20	0.6
(1,2483)	1:147:A:LEU:HD22	1:150:A:PHE:HZ	20	0.6
(1,2483)	1:147:A:LEU:HD23	1:150:A:PHE:HZ	20	0.6
(1,2433)	1:97:A:LEU:HD11	1:93:A:PHE:HE1	12	0.6
(1,2433)	1:97:A:LEU:HD11	1:93:A:PHE:HE2	12	0.6
(1,2433)	1:97:A:LEU:HD12	1:93:A:PHE:HE1	12	0.6
(1,2433)	1:97:A:LEU:HD12	1:93:A:PHE:HE2	12	0.6
(1,2433)	1:97:A:LEU:HD13	1:93:A:PHE:HE1	12	0.6
(1,2433)	1:97:A:LEU:HD13	1:93:A:PHE:HE2	12	0.6
(1,2133)	1:159:A:VAL:HG21	1:28:A:ALA:HB1	3	0.6
(1,2133)	1:159:A:VAL:HG21	1:28:A:ALA:HB2	3	0.6
(1,2133)	1:159:A:VAL:HG21	1:28:A:ALA:HB3	3	0.6
(1,2133)	1:159:A:VAL:HG22	1:28:A:ALA:HB1	3	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2133)	1:159:A:VAL:HG22	1:28:A:ALA:HB2	3	0.6
(1,2133)	1:159:A:VAL:HG22	1:28:A:ALA:HB3	3	0.6
(1,2133)	1:159:A:VAL:HG23	1:28:A:ALA:HB1	3	0.6
(1,2133)	1:159:A:VAL:HG23	1:28:A:ALA:HB2	3	0.6
(1,2133)	1:159:A:VAL:HG23	1:28:A:ALA:HB3	3	0.6
(1,2109)	1:147:A:LEU:HD21	1:142:A:VAL:HG11	7	0.6
(1,2109)	1:147:A:LEU:HD21	1:142:A:VAL:HG12	7	0.6
(1,2109)	1:147:A:LEU:HD21	1:142:A:VAL:HG13	7	0.6
(1,2109)	1:147:A:LEU:HD22	1:142:A:VAL:HG11	7	0.6
(1,2109)	1:147:A:LEU:HD22	1:142:A:VAL:HG12	7	0.6
(1,2109)	1:147:A:LEU:HD22	1:142:A:VAL:HG13	7	0.6
(1,2109)	1:147:A:LEU:HD23	1:142:A:VAL:HG11	7	0.6
(1,2109)	1:147:A:LEU:HD23	1:142:A:VAL:HG12	7	0.6
(1,2109)	1:147:A:LEU:HD23	1:142:A:VAL:HG13	7	0.6
(1,2016)	1:32:A:GLU:H	1:159:A:VAL:HG11	19	0.6
(1,2016)	1:32:A:GLU:H	1:159:A:VAL:HG12	19	0.6
(1,2016)	1:32:A:GLU:H	1:159:A:VAL:HG13	19	0.6
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG11	17	0.6
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG12	17	0.6
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG13	17	0.6
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG11	8	0.6
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG12	8	0.6
(1,1929)	1:74:A:VAL:H	1:74:A:VAL:HG13	8	0.6
(1,1886)	1:125:A:TRP:HE3	1:129:A:VAL:HG11	18	0.6
(1,1886)	1:125:A:TRP:HE3	1:129:A:VAL:HG12	18	0.6
(1,1886)	1:125:A:TRP:HE3	1:129:A:VAL:HG13	18	0.6
(1,1845)	1:178:A:VAL:HA	1:181:A:LEU:HD11	9	0.6
(1,1845)	1:178:A:VAL:HA	1:181:A:LEU:HD12	9	0.6
(1,1845)	1:178:A:VAL:HA	1:181:A:LEU:HD13	9	0.6
(1,1826)	1:128:A:VAL:HA	1:131:A:LEU:HD11	19	0.6
(1,1826)	1:128:A:VAL:HA	1:131:A:LEU:HD12	19	0.6
(1,1826)	1:128:A:VAL:HA	1:131:A:LEU:HD13	19	0.6
(1,1684)	1:29:A:GLN:HG3	1:29:A:GLN:HB3	1	0.6
(1,1684)	1:29:A:GLN:HG3	1:29:A:GLN:HB3	2	0.6
(1,1684)	1:29:A:GLN:HG3	1:29:A:GLN:HB3	3	0.6
(1,1684)	1:29:A:GLN:HG3	1:29:A:GLN:HB3	4	0.6
(1,1684)	1:29:A:GLN:HG3	1:29:A:GLN:HB3	5	0.6
(1,1684)	1:29:A:GLN:HG3	1:29:A:GLN:HB3	6	0.6
(1,1684)	1:29:A:GLN:HG3	1:29:A:GLN:HB3	11	0.6
(1,1684)	1:29:A:GLN:HG3	1:29:A:GLN:HB3	13	0.6
(1,1684)	1:29:A:GLN:HG3	1:29:A:GLN:HB3	17	0.6
(1,1684)	1:29:A:GLN:HG3	1:29:A:GLN:HB3	19	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1676)	1:101:A:GLN:HG3	1:99:A:HIS:HB3	12	0.6
(1,1484)	1:173:A:GLN:HA	1:173:A:GLN:HG3	4	0.6
(1,1447)	1:120:A:GLU:HA	1:120:A:GLU:HG3	19	0.6
(1,1429)	1:159:A:VAL:HG11	1:32:A:GLU:HG3	12	0.6
(1,1429)	1:159:A:VAL:HG12	1:32:A:GLU:HG3	12	0.6
(1,1429)	1:159:A:VAL:HG13	1:32:A:GLU:HG3	12	0.6
(1,1427)	1:92:A:GLU:HA	1:92:A:GLU:HG3	10	0.6
(1,1418)	1:120:A:GLU:H	1:120:A:GLU:HG3	8	0.6
(1,1418)	1:120:A:GLU:H	1:120:A:GLU:HG3	11	0.6
(1,1296)	1:84:A:ASP:H	1:84:A:ASP:HB3	3	0.6
(1,1296)	1:84:A:ASP:H	1:84:A:ASP:HB3	16	0.6
(1,689)	1:98:A:GLN:HB3	1:95:A:THR:HA	2	0.6
(1,436)	1:91:A:SER:HB3	1:91:A:SER:H	18	0.6
(1,283)	1:42:A:ARG:HB3	1:41:A:TYR:H	11	0.6
(1,190)	1:183:A:LEU:HD21	1:125:A:TRP:H	6	0.6
(1,190)	1:183:A:LEU:HD22	1:125:A:TRP:H	6	0.6
(1,190)	1:183:A:LEU:HD23	1:125:A:TRP:H	6	0.6
(1,190)	1:183:A:LEU:HD21	1:125:A:TRP:H	7	0.6
(1,190)	1:183:A:LEU:HD22	1:125:A:TRP:H	7	0.6
(1,190)	1:183:A:LEU:HD23	1:125:A:TRP:H	7	0.6
(1,190)	1:183:A:LEU:HD21	1:125:A:TRP:H	8	0.6
(1,190)	1:183:A:LEU:HD22	1:125:A:TRP:H	8	0.6
(1,190)	1:183:A:LEU:HD23	1:125:A:TRP:H	8	0.6
(1,3046)	1:81:A:ILE:HD11	2:101:B:ILE:HG13	4	0.59
(1,3046)	1:81:A:ILE:HD12	2:101:B:ILE:HG13	4	0.59
(1,3046)	1:81:A:ILE:HD13	2:101:B:ILE:HG13	4	0.59
(1,3046)	1:81:A:ILE:HD11	2:101:B:ILE:HG13	14	0.59
(1,3046)	1:81:A:ILE:HD12	2:101:B:ILE:HG13	14	0.59
(1,3046)	1:81:A:ILE:HD13	2:101:B:ILE:HG13	14	0.59
(1,3045)	1:81:A:ILE:HG13	2:101:B:ILE:HG21	11	0.59
(1,3045)	1:81:A:ILE:HG13	2:101:B:ILE:HG22	11	0.59
(1,3045)	1:81:A:ILE:HG13	2:101:B:ILE:HG23	11	0.59
(1,2939)	2:99:B:ARG:HG3	2:100:B:SER:H	8	0.59
(1,2934)	2:99:B:ARG:HA	2:99:B:ARG:HG3	15	0.59
(1,2898)	2:86:B:ILE:H	2:86:B:ILE:HG13	1	0.59
(1,2493)	1:118:A:LEU:HD21	1:119:A:PHE:HZ	17	0.59
(1,2493)	1:118:A:LEU:HD22	1:119:A:PHE:HZ	17	0.59
(1,2493)	1:118:A:LEU:HD23	1:119:A:PHE:HZ	17	0.59
(1,2356)	1:37:A:SER:HB3	1:41:A:TYR:HD1	14	0.59
(1,2356)	1:37:A:SER:HB3	1:41:A:TYR:HD2	14	0.59
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB1	11	0.59
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB2	11	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB3	11	0.59
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB1	11	0.59
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB2	11	0.59
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB3	11	0.59
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB1	11	0.59
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB2	11	0.59
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB3	11	0.59
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG21	4	0.59
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG22	4	0.59
(1,2079)	1:102:A:PRO:HD3	1:142:A:VAL:HG23	4	0.59
(1,2069)	1:163:A:LEU:HD11	1:159:A:VAL:HG21	10	0.59
(1,2069)	1:163:A:LEU:HD11	1:159:A:VAL:HG22	10	0.59
(1,2069)	1:163:A:LEU:HD11	1:159:A:VAL:HG23	10	0.59
(1,2069)	1:163:A:LEU:HD12	1:159:A:VAL:HG21	10	0.59
(1,2069)	1:163:A:LEU:HD12	1:159:A:VAL:HG22	10	0.59
(1,2069)	1:163:A:LEU:HD12	1:159:A:VAL:HG23	10	0.59
(1,2069)	1:163:A:LEU:HD13	1:159:A:VAL:HG21	10	0.59
(1,2069)	1:163:A:LEU:HD13	1:159:A:VAL:HG22	10	0.59
(1,2069)	1:163:A:LEU:HD13	1:159:A:VAL:HG23	10	0.59
(1,2069)	1:163:A:LEU:HD21	1:159:A:VAL:HG21	10	0.59
(1,2069)	1:163:A:LEU:HD21	1:159:A:VAL:HG22	10	0.59
(1,2069)	1:163:A:LEU:HD21	1:159:A:VAL:HG23	10	0.59
(1,2069)	1:163:A:LEU:HD22	1:159:A:VAL:HG21	10	0.59
(1,2069)	1:163:A:LEU:HD22	1:159:A:VAL:HG22	10	0.59
(1,2069)	1:163:A:LEU:HD22	1:159:A:VAL:HG23	10	0.59
(1,2069)	1:163:A:LEU:HD23	1:159:A:VAL:HG21	10	0.59
(1,2069)	1:163:A:LEU:HD23	1:159:A:VAL:HG22	10	0.59
(1,2069)	1:163:A:LEU:HD23	1:159:A:VAL:HG23	10	0.59
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD11	20	0.59
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD12	20	0.59
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD13	20	0.59
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD21	20	0.59
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD22	20	0.59
(1,2022)	1:34:A:VAL:HG21	1:132:A:LEU:HD23	20	0.59
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD11	20	0.59
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD12	20	0.59
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD13	20	0.59
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD21	20	0.59
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD22	20	0.59
(1,2022)	1:34:A:VAL:HG22	1:132:A:LEU:HD23	20	0.59
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD11	20	0.59
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD12	20	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD13	20	0.59
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD21	20	0.59
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD22	20	0.59
(1,2022)	1:34:A:VAL:HG23	1:132:A:LEU:HD23	20	0.59
(1,2016)	1:32:A:GLU:H	1:159:A:VAL:HG11	10	0.59
(1,2016)	1:32:A:GLU:H	1:159:A:VAL:HG12	10	0.59
(1,2016)	1:32:A:GLU:H	1:159:A:VAL:HG13	10	0.59
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG11	16	0.59
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG12	16	0.59
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG13	16	0.59
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG11	2	0.59
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG12	2	0.59
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG13	2	0.59
(1,1842)	1:165:A:HIS:HA	1:166:A:CYS:HB3	16	0.59
(1,1827)	1:162:A:MET:HE1	1:131:A:LEU:HD11	17	0.59
(1,1827)	1:162:A:MET:HE1	1:131:A:LEU:HD12	17	0.59
(1,1827)	1:162:A:MET:HE1	1:131:A:LEU:HD13	17	0.59
(1,1827)	1:162:A:MET:HE2	1:131:A:LEU:HD11	17	0.59
(1,1827)	1:162:A:MET:HE2	1:131:A:LEU:HD12	17	0.59
(1,1827)	1:162:A:MET:HE2	1:131:A:LEU:HD13	17	0.59
(1,1827)	1:162:A:MET:HE3	1:131:A:LEU:HD11	17	0.59
(1,1827)	1:162:A:MET:HE3	1:131:A:LEU:HD12	17	0.59
(1,1827)	1:162:A:MET:HE3	1:131:A:LEU:HD13	17	0.59
(1,1684)	1:29:A:GLN:HG3	1:29:A:GLN:HB3	12	0.59
(1,1684)	1:29:A:GLN:HG3	1:29:A:GLN:HB3	18	0.59
(1,1427)	1:92:A:GLU:HA	1:92:A:GLU:HG3	17	0.59
(1,1296)	1:84:A:ASP:H	1:84:A:ASP:HB3	6	0.59
(1,1296)	1:84:A:ASP:H	1:84:A:ASP:HB3	7	0.59
(1,1296)	1:84:A:ASP:H	1:84:A:ASP:HB3	13	0.59
(1,1296)	1:84:A:ASP:H	1:84:A:ASP:HB3	14	0.59
(1,1252)	1:79:A:ALA:HB1	1:42:A:ARG:HD3	6	0.59
(1,1252)	1:79:A:ALA:HB2	1:42:A:ARG:HD3	6	0.59
(1,1252)	1:79:A:ALA:HB3	1:42:A:ARG:HD3	6	0.59
(1,1250)	1:38:A:TYR:HD1	1:42:A:ARG:HD3	5	0.59
(1,1250)	1:38:A:TYR:HD2	1:42:A:ARG:HD3	5	0.59
(1,1189)	1:159:A:VAL:HG11	1:156:A:ARG:HD3	9	0.59
(1,1189)	1:159:A:VAL:HG12	1:156:A:ARG:HD3	9	0.59
(1,1189)	1:159:A:VAL:HG13	1:156:A:ARG:HD3	9	0.59
(1,1071)	1:66:A:GLN:HE22	1:67:A:PRO:HD3	13	0.59
(1,934)	1:159:A:VAL:HG11	1:156:A:ARG:HA	16	0.59
(1,934)	1:159:A:VAL:HG12	1:156:A:ARG:HA	16	0.59
(1,934)	1:159:A:VAL:HG13	1:156:A:ARG:HA	16	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,927)	1:141:A:HIS:HB3	1:138:A:LEU:HA	4	0.59
(1,767)	1:40:A:PHE:HB3	1:37:A:SER:HB3	13	0.59
(1,733)	1:26:A:GLN:HG3	1:23:A:SER:HB3	19	0.59
(1,536)	1:67:A:PRO:HB3	1:68:A:SER:H	1	0.59
(1,536)	1:67:A:PRO:HB3	1:68:A:SER:H	3	0.59
(1,536)	1:67:A:PRO:HB3	1:68:A:SER:H	4	0.59
(1,536)	1:67:A:PRO:HB3	1:68:A:SER:H	14	0.59
(1,513)	1:150:A:PHE:HA	1:153:A:GLN:HE22	15	0.59
(1,452)	1:23:A:SER:HB3	1:23:A:SER:H	4	0.59
(1,436)	1:91:A:SER:HB3	1:91:A:SER:H	7	0.59
(1,436)	1:91:A:SER:HB3	1:91:A:SER:H	17	0.59
(1,427)	1:99:A:HIS:HB3	1:99:A:HIS:H	7	0.59
(1,427)	1:99:A:HIS:HB3	1:99:A:HIS:H	10	0.59
(1,427)	1:99:A:HIS:HB3	1:99:A:HIS:H	13	0.59
(1,427)	1:99:A:HIS:HB3	1:99:A:HIS:H	17	0.59
(1,427)	1:99:A:HIS:HB3	1:99:A:HIS:H	19	0.59
(1,399)	1:24:A:GLU:HB3	1:169:A:ARG:HE	20	0.59
(1,365)	1:87:A:ARG:HB3	1:87:A:ARG:HE	14	0.59
(1,282)	1:47:A:GLN:HB3	1:47:A:GLN:H	4	0.59
(1,282)	1:47:A:GLN:HB3	1:47:A:GLN:H	6	0.59
(1,282)	1:47:A:GLN:HB3	1:47:A:GLN:H	14	0.59
(1,2939)	2:99:B:ARG:HG3	2:100:B:SER:H	10	0.58
(1,2934)	2:99:B:ARG:HA	2:99:B:ARG:HG3	19	0.58
(1,2934)	2:99:B:ARG:HA	2:99:B:ARG:HG3	20	0.58
(1,2905)	2:88:B:ARG:HB3	2:88:B:ARG:HE	3	0.58
(1,2905)	2:88:B:ARG:HB3	2:88:B:ARG:HE	17	0.58
(1,2532)	1:34:A:VAL:HG21	1:177:A:TRP:HH2	20	0.58
(1,2532)	1:34:A:VAL:HG22	1:177:A:TRP:HH2	20	0.58
(1,2532)	1:34:A:VAL:HG23	1:177:A:TRP:HH2	20	0.58
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG21	6	0.58
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG22	6	0.58
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG23	6	0.58
(1,2109)	1:147:A:LEU:HD21	1:142:A:VAL:HG11	16	0.58
(1,2109)	1:147:A:LEU:HD21	1:142:A:VAL:HG12	16	0.58
(1,2109)	1:147:A:LEU:HD21	1:142:A:VAL:HG13	16	0.58
(1,2109)	1:147:A:LEU:HD22	1:142:A:VAL:HG11	16	0.58
(1,2109)	1:147:A:LEU:HD22	1:142:A:VAL:HG12	16	0.58
(1,2109)	1:147:A:LEU:HD22	1:142:A:VAL:HG13	16	0.58
(1,2109)	1:147:A:LEU:HD23	1:142:A:VAL:HG11	16	0.58
(1,2109)	1:147:A:LEU:HD23	1:142:A:VAL:HG12	16	0.58
(1,2109)	1:147:A:LEU:HD23	1:142:A:VAL:HG13	16	0.58
(1,1961)	1:34:A:VAL:HG11	1:74:A:VAL:HG21	3	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1961)	1:34:A:VAL:HG11	1:74:A:VAL:HG22	3	0.58
(1,1961)	1:34:A:VAL:HG11	1:74:A:VAL:HG23	3	0.58
(1,1961)	1:34:A:VAL:HG12	1:74:A:VAL:HG21	3	0.58
(1,1961)	1:34:A:VAL:HG12	1:74:A:VAL:HG22	3	0.58
(1,1961)	1:34:A:VAL:HG12	1:74:A:VAL:HG23	3	0.58
(1,1961)	1:34:A:VAL:HG13	1:74:A:VAL:HG21	3	0.58
(1,1961)	1:34:A:VAL:HG13	1:74:A:VAL:HG22	3	0.58
(1,1961)	1:34:A:VAL:HG13	1:74:A:VAL:HG23	3	0.58
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG11	1	0.58
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG12	1	0.58
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG13	1	0.58
(1,1721)	1:165:A:HIS:HD2	1:167:A:ILE:HG13	5	0.58
(1,1684)	1:29:A:GLN:HG3	1:29:A:GLN:HB3	8	0.58
(1,1684)	1:29:A:GLN:HG3	1:29:A:GLN:HB3	20	0.58
(1,1349)	1:181:A:LEU:HD11	1:182:A:ASN:HB3	15	0.58
(1,1349)	1:181:A:LEU:HD12	1:182:A:ASN:HB3	15	0.58
(1,1349)	1:181:A:LEU:HD13	1:182:A:ASN:HB3	15	0.58
(1,1349)	1:181:A:LEU:HD11	1:182:A:ASN:HB3	17	0.58
(1,1349)	1:181:A:LEU:HD12	1:182:A:ASN:HB3	17	0.58
(1,1349)	1:181:A:LEU:HD13	1:182:A:ASN:HB3	17	0.58
(1,1296)	1:84:A:ASP:H	1:84:A:ASP:HB3	5	0.58
(1,1296)	1:84:A:ASP:H	1:84:A:ASP:HB3	10	0.58
(1,1296)	1:84:A:ASP:H	1:84:A:ASP:HB3	11	0.58
(1,1296)	1:84:A:ASP:H	1:84:A:ASP:HB3	12	0.58
(1,1296)	1:84:A:ASP:H	1:84:A:ASP:HB3	15	0.58
(1,1296)	1:84:A:ASP:H	1:84:A:ASP:HB3	17	0.58
(1,1296)	1:84:A:ASP:H	1:84:A:ASP:HB3	19	0.58
(1,1252)	1:79:A:ALA:HB1	1:42:A:ARG:HD3	1	0.58
(1,1252)	1:79:A:ALA:HB2	1:42:A:ARG:HD3	1	0.58
(1,1252)	1:79:A:ALA:HB3	1:42:A:ARG:HD3	1	0.58
(1,1043)	1:182:A:ASN:HB3	1:179:A:ALA:HA	19	0.58
(1,839)	1:63:A:LEU:HB3	1:62:A:THR:HA	13	0.58
(1,767)	1:40:A:PHE:HB3	1:37:A:SER:HB3	6	0.58
(1,689)	1:98:A:GLN:HB3	1:95:A:THR:HA	4	0.58
(1,536)	1:67:A:PRO:HB3	1:68:A:SER:H	2	0.58
(1,536)	1:67:A:PRO:HB3	1:68:A:SER:H	6	0.58
(1,536)	1:67:A:PRO:HB3	1:68:A:SER:H	7	0.58
(1,536)	1:67:A:PRO:HB3	1:68:A:SER:H	8	0.58
(1,536)	1:67:A:PRO:HB3	1:68:A:SER:H	9	0.58
(1,536)	1:67:A:PRO:HB3	1:68:A:SER:H	10	0.58
(1,536)	1:67:A:PRO:HB3	1:68:A:SER:H	11	0.58
(1,536)	1:67:A:PRO:HB3	1:68:A:SER:H	12	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,536)	1:67:A:PRO:HB3	1:68:A:SER:H	13	0.58
(1,536)	1:67:A:PRO:HB3	1:68:A:SER:H	15	0.58
(1,536)	1:67:A:PRO:HB3	1:68:A:SER:H	16	0.58
(1,536)	1:67:A:PRO:HB3	1:68:A:SER:H	17	0.58
(1,536)	1:67:A:PRO:HB3	1:68:A:SER:H	19	0.58
(1,536)	1:67:A:PRO:HB3	1:68:A:SER:H	20	0.58
(1,427)	1:99:A:HIS:HB3	1:99:A:HIS:H	1	0.58
(1,427)	1:99:A:HIS:HB3	1:99:A:HIS:H	3	0.58
(1,427)	1:99:A:HIS:HB3	1:99:A:HIS:H	5	0.58
(1,427)	1:99:A:HIS:HB3	1:99:A:HIS:H	12	0.58
(1,427)	1:99:A:HIS:HB3	1:99:A:HIS:H	14	0.58
(1,427)	1:99:A:HIS:HB3	1:99:A:HIS:H	15	0.58
(1,427)	1:99:A:HIS:HB3	1:99:A:HIS:H	20	0.58
(1,365)	1:87:A:ARG:HB3	1:87:A:ARG:HE	2	0.58
(1,365)	1:87:A:ARG:HB3	1:87:A:ARG:HE	8	0.58
(1,282)	1:47:A:GLN:HB3	1:47:A:GLN:H	9	0.58
(1,3044)	1:81:A:ILE:HG21	2:101:B:ILE:HG13	5	0.57
(1,3044)	1:81:A:ILE:HG22	2:101:B:ILE:HG13	5	0.57
(1,3044)	1:81:A:ILE:HG23	2:101:B:ILE:HG13	5	0.57
(1,2934)	2:99:B:ARG:HA	2:99:B:ARG:HG3	1	0.57
(1,2934)	2:99:B:ARG:HA	2:99:B:ARG:HG3	14	0.57
(1,2728)	2:92:B:MK8:HB1A	2:95:B:ASP:H	3	0.57
(1,2728)	2:92:B:MK8:HB1B	2:95:B:ASP:H	3	0.57
(1,2728)	2:92:B:MK8:HB1A	2:95:B:ASP:H	4	0.57
(1,2728)	2:92:B:MK8:HB1B	2:95:B:ASP:H	4	0.57
(1,2563)	1:98:A:GLN:HG3	1:99:A:HIS:HD2	7	0.57
(1,2556)	1:183:A:LEU:HD21	1:125:A:TRP:HE3	8	0.57
(1,2556)	1:183:A:LEU:HD22	1:125:A:TRP:HE3	8	0.57
(1,2556)	1:183:A:LEU:HD23	1:125:A:TRP:HE3	8	0.57
(1,2497)	1:39:A:VAL:HG21	1:35:A:PHE:HZ	3	0.57
(1,2497)	1:39:A:VAL:HG22	1:35:A:PHE:HZ	3	0.57
(1,2497)	1:39:A:VAL:HG23	1:35:A:PHE:HZ	3	0.57
(1,2417)	1:136:A:TYR:HB3	1:35:A:PHE:HE1	4	0.57
(1,2417)	1:136:A:TYR:HB3	1:35:A:PHE:HE2	4	0.57
(1,2318)	1:84:A:ASP:HB3	1:85:A:ILE:HD11	7	0.57
(1,2318)	1:84:A:ASP:HB3	1:85:A:ILE:HD12	7	0.57
(1,2318)	1:84:A:ASP:HB3	1:85:A:ILE:HD13	7	0.57
(1,2129)	1:175:A:GLY:HA2	1:179:A:ALA:HB1	5	0.57
(1,2129)	1:175:A:GLY:HA2	1:179:A:ALA:HB2	5	0.57
(1,2129)	1:175:A:GLY:HA2	1:179:A:ALA:HB3	5	0.57
(1,2129)	1:175:A:GLY:HA2	1:179:A:ALA:HB1	20	0.57
(1,2129)	1:175:A:GLY:HA2	1:179:A:ALA:HB2	20	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2129)	1:175:A:GLY:HA2	1:179:A:ALA:HB3	20	0.57
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE1	6	0.57
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE2	6	0.57
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE3	6	0.57
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE1	6	0.57
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE2	6	0.57
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE3	6	0.57
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE1	6	0.57
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE2	6	0.57
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE3	6	0.57
(1,2109)	1:147:A:LEU:HD21	1:142:A:VAL:HG11	18	0.57
(1,2109)	1:147:A:LEU:HD21	1:142:A:VAL:HG12	18	0.57
(1,2109)	1:147:A:LEU:HD21	1:142:A:VAL:HG13	18	0.57
(1,2109)	1:147:A:LEU:HD22	1:142:A:VAL:HG11	18	0.57
(1,2109)	1:147:A:LEU:HD22	1:142:A:VAL:HG12	18	0.57
(1,2109)	1:147:A:LEU:HD22	1:142:A:VAL:HG13	18	0.57
(1,2109)	1:147:A:LEU:HD23	1:142:A:VAL:HG11	18	0.57
(1,2109)	1:147:A:LEU:HD23	1:142:A:VAL:HG12	18	0.57
(1,2109)	1:147:A:LEU:HD23	1:142:A:VAL:HG13	18	0.57
(1,2090)	1:102:A:PRO:HG3	1:142:A:VAL:HG11	19	0.57
(1,2090)	1:102:A:PRO:HG3	1:142:A:VAL:HG12	19	0.57
(1,2090)	1:102:A:PRO:HG3	1:142:A:VAL:HG13	19	0.57
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD21	9	0.57
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD22	9	0.57
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD23	9	0.57
(1,1684)	1:29:A:GLN:HG3	1:29:A:GLN:HB3	10	0.57
(1,1684)	1:29:A:GLN:HG3	1:29:A:GLN:HB3	14	0.57
(1,1675)	1:84:A:ASP:HB3	1:85:A:ILE:HG13	4	0.57
(1,1429)	1:159:A:VAL:HG11	1:32:A:GLU:HG3	6	0.57
(1,1429)	1:159:A:VAL:HG12	1:32:A:GLU:HG3	6	0.57
(1,1429)	1:159:A:VAL:HG13	1:32:A:GLU:HG3	6	0.57
(1,1349)	1:181:A:LEU:HD11	1:182:A:ASN:HB3	16	0.57
(1,1349)	1:181:A:LEU:HD12	1:182:A:ASN:HB3	16	0.57
(1,1349)	1:181:A:LEU:HD13	1:182:A:ASN:HB3	16	0.57
(1,1296)	1:84:A:ASP:H	1:84:A:ASP:HB3	1	0.57
(1,1156)	1:156:A:ARG:H	1:156:A:ARG:HD3	15	0.57
(1,1136)	1:50:A:GLU:HB3	1:51:A:GLY:HA3	4	0.57
(1,1128)	1:155:A:THR:HB	1:152:A:GLY:HA3	3	0.57
(1,1128)	1:155:A:THR:HB	1:152:A:GLY:HA3	19	0.57
(1,921)	1:98:A:GLN:HE22	1:98:A:GLN:HA	17	0.57
(1,733)	1:26:A:GLN:HG3	1:23:A:SER:HB3	8	0.57
(1,733)	1:26:A:GLN:HG3	1:23:A:SER:HB3	12	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,661)	1:34:A:VAL:HG11	1:31:A:THR:HA	11	0.57
(1,661)	1:34:A:VAL:HG12	1:31:A:THR:HA	11	0.57
(1,661)	1:34:A:VAL:HG13	1:31:A:THR:HA	11	0.57
(1,661)	1:34:A:VAL:HG11	1:31:A:THR:HA	17	0.57
(1,661)	1:34:A:VAL:HG12	1:31:A:THR:HA	17	0.57
(1,661)	1:34:A:VAL:HG13	1:31:A:THR:HA	17	0.57
(1,542)	1:172:A:ALA:HB1	1:173:A:GLN:HE22	17	0.57
(1,542)	1:172:A:ALA:HB2	1:173:A:GLN:HE22	17	0.57
(1,542)	1:172:A:ALA:HB3	1:173:A:GLN:HE22	17	0.57
(1,436)	1:91:A:SER:HB3	1:91:A:SER:H	5	0.57
(1,427)	1:99:A:HIS:HB3	1:99:A:HIS:H	2	0.57
(1,427)	1:99:A:HIS:HB3	1:99:A:HIS:H	4	0.57
(1,427)	1:99:A:HIS:HB3	1:99:A:HIS:H	6	0.57
(1,427)	1:99:A:HIS:HB3	1:99:A:HIS:H	9	0.57
(1,427)	1:99:A:HIS:HB3	1:99:A:HIS:H	11	0.57
(1,427)	1:99:A:HIS:HB3	1:99:A:HIS:H	16	0.57
(1,410)	1:94:A:GLN:HE22	1:95:A:THR:H	9	0.57
(1,336)	1:127:A:ARG:HB3	1:124:A:ASN:H	12	0.57
(1,3046)	1:81:A:ILE:HD11	2:101:B:ILE:HG13	20	0.56
(1,3046)	1:81:A:ILE:HD12	2:101:B:ILE:HG13	20	0.56
(1,3046)	1:81:A:ILE:HD13	2:101:B:ILE:HG13	20	0.56
(1,2934)	2:99:B:ARG:HA	2:99:B:ARG:HG3	4	0.56
(1,2934)	2:99:B:ARG:HA	2:99:B:ARG:HG3	6	0.56
(1,2791)	2:81:B:ASP:HA	2:84:B:ARG:HD3	14	0.56
(1,2728)	2:92:B:MK8:HB1A	2:95:B:ASP:H	8	0.56
(1,2728)	2:92:B:MK8:HB1B	2:95:B:ASP:H	8	0.56
(1,2606)	1:42:A:ARG:HD3	1:38:A:TYR:HE1	18	0.56
(1,2606)	1:42:A:ARG:HD3	1:38:A:TYR:HE2	18	0.56
(1,2563)	1:98:A:GLN:HG3	1:99:A:HIS:HD2	3	0.56
(1,2556)	1:183:A:LEU:HD21	1:125:A:TRP:HE3	6	0.56
(1,2556)	1:183:A:LEU:HD22	1:125:A:TRP:HE3	6	0.56
(1,2556)	1:183:A:LEU:HD23	1:125:A:TRP:HE3	6	0.56
(1,2318)	1:84:A:ASP:HB3	1:85:A:ILE:HD11	14	0.56
(1,2318)	1:84:A:ASP:HB3	1:85:A:ILE:HD12	14	0.56
(1,2318)	1:84:A:ASP:HB3	1:85:A:ILE:HD13	14	0.56
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG21	15	0.56
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG22	15	0.56
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG23	15	0.56
(1,2129)	1:175:A:GLY:HA2	1:179:A:ALA:HB1	9	0.56
(1,2129)	1:175:A:GLY:HA2	1:179:A:ALA:HB2	9	0.56
(1,2129)	1:175:A:GLY:HA2	1:179:A:ALA:HB3	9	0.56
(1,2090)	1:102:A:PRO:HG3	1:142:A:VAL:HG11	1	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2090)	1:102:A:PRO:HG3	1:142:A:VAL:HG12	1	0.56
(1,2090)	1:102:A:PRO:HG3	1:142:A:VAL:HG13	1	0.56
(1,2088)	1:139:A:ALA:HA	1:142:A:VAL:HG11	12	0.56
(1,2088)	1:139:A:ALA:HA	1:142:A:VAL:HG12	12	0.56
(1,2088)	1:139:A:ALA:HA	1:142:A:VAL:HG13	12	0.56
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG21	1	0.56
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG22	1	0.56
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG23	1	0.56
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG21	1	0.56
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG22	1	0.56
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG23	1	0.56
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG21	1	0.56
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG22	1	0.56
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG23	1	0.56
(1,1904)	1:125:A:TRP:HZ2	1:183:A:LEU:HD21	12	0.56
(1,1904)	1:125:A:TRP:HZ2	1:183:A:LEU:HD22	12	0.56
(1,1904)	1:125:A:TRP:HZ2	1:183:A:LEU:HD23	12	0.56
(1,1895)	1:142:A:VAL:HB	1:147:A:LEU:HD21	8	0.56
(1,1895)	1:142:A:VAL:HB	1:147:A:LEU:HD22	8	0.56
(1,1895)	1:142:A:VAL:HB	1:147:A:LEU:HD23	8	0.56
(1,1827)	1:162:A:MET:HE1	1:131:A:LEU:HD11	7	0.56
(1,1827)	1:162:A:MET:HE1	1:131:A:LEU:HD12	7	0.56
(1,1827)	1:162:A:MET:HE1	1:131:A:LEU:HD13	7	0.56
(1,1827)	1:162:A:MET:HE2	1:131:A:LEU:HD11	7	0.56
(1,1827)	1:162:A:MET:HE2	1:131:A:LEU:HD12	7	0.56
(1,1827)	1:162:A:MET:HE2	1:131:A:LEU:HD13	7	0.56
(1,1827)	1:162:A:MET:HE3	1:131:A:LEU:HD11	7	0.56
(1,1827)	1:162:A:MET:HE3	1:131:A:LEU:HD12	7	0.56
(1,1827)	1:162:A:MET:HE3	1:131:A:LEU:HD13	7	0.56
(1,1684)	1:29:A:GLN:HG3	1:29:A:GLN:HB3	9	0.56
(1,1660)	1:47:A:GLN:HE21	1:46:A:GLU:HB3	4	0.56
(1,1479)	1:34:A:VAL:HG11	1:71:A:MET:HG3	2	0.56
(1,1479)	1:34:A:VAL:HG12	1:71:A:MET:HG3	2	0.56
(1,1479)	1:34:A:VAL:HG13	1:71:A:MET:HG3	2	0.56
(1,1464)	1:101:A:GLN:HA	1:101:A:GLN:HG3	10	0.56
(1,1253)	1:42:A:ARG:H	1:42:A:ARG:HD3	6	0.56
(1,1159)	1:36:A:ARG:HA	1:36:A:ARG:HD3	19	0.56
(1,1136)	1:50:A:GLU:HB3	1:51:A:GLY:HA3	11	0.56
(1,1128)	1:155:A:THR:HB	1:152:A:GLY:HA3	13	0.56
(1,923)	1:76:A:ARG:HG3	1:77:A:GLN:HA	8	0.56
(1,839)	1:63:A:LEU:HB3	1:62:A:THR:HA	14	0.56
(1,767)	1:40:A:PHE:HB3	1:37:A:SER:HB3	5	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,542)	1:172:A:ALA:HB1	1:173:A:GLN:HE22	9	0.56
(1,542)	1:172:A:ALA:HB2	1:173:A:GLN:HE22	9	0.56
(1,542)	1:172:A:ALA:HB3	1:173:A:GLN:HE22	9	0.56
(1,538)	1:22:A:ALA:HA	1:26:A:GLN:HE22	18	0.56
(1,491)	1:163:A:LEU:HB3	1:164:A:HIS:H	19	0.56
(1,436)	1:91:A:SER:HB3	1:91:A:SER:H	4	0.56
(1,427)	1:99:A:HIS:HB3	1:99:A:HIS:H	8	0.56
(1,365)	1:87:A:ARG:HB3	1:87:A:ARG:HE	17	0.56
(1,2934)	2:99:B:ARG:HA	2:99:B:ARG:HG3	7	0.55
(1,2934)	2:99:B:ARG:HA	2:99:B:ARG:HG3	16	0.55
(1,2728)	2:92:B:MK8:HB1A	2:95:B:ASP:H	14	0.55
(1,2728)	2:92:B:MK8:HB1B	2:95:B:ASP:H	14	0.55
(1,2667)	2:92:B:MK8:HB1A	2:95:B:ASP:HB3	15	0.55
(1,2667)	2:92:B:MK8:HB1B	2:95:B:ASP:HB3	15	0.55
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG21	16	0.55
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG22	16	0.55
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG23	16	0.55
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG21	18	0.55
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG22	18	0.55
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG23	18	0.55
(1,2087)	1:150:A:PHE:HE1	1:142:A:VAL:HG11	6	0.55
(1,2087)	1:150:A:PHE:HE1	1:142:A:VAL:HG12	6	0.55
(1,2087)	1:150:A:PHE:HE1	1:142:A:VAL:HG13	6	0.55
(1,2087)	1:150:A:PHE:HE2	1:142:A:VAL:HG11	6	0.55
(1,2087)	1:150:A:PHE:HE2	1:142:A:VAL:HG12	6	0.55
(1,2087)	1:150:A:PHE:HE2	1:142:A:VAL:HG13	6	0.55
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG11	18	0.55
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG12	18	0.55
(1,1996)	1:177:A:TRP:HE1	1:34:A:VAL:HG13	18	0.55
(1,1845)	1:178:A:VAL:HA	1:181:A:LEU:HD11	1	0.55
(1,1845)	1:178:A:VAL:HA	1:181:A:LEU:HD12	1	0.55
(1,1845)	1:178:A:VAL:HA	1:181:A:LEU:HD13	1	0.55
(1,1730)	1:144:A:GLN:H	1:145:A:HIS:HB3	15	0.55
(1,1684)	1:29:A:GLN:HG3	1:29:A:GLN:HB3	7	0.55
(1,1684)	1:29:A:GLN:HG3	1:29:A:GLN:HB3	15	0.55
(1,1684)	1:29:A:GLN:HG3	1:29:A:GLN:HB3	16	0.55
(1,1644)	1:118:A:LEU:HD11	1:127:A:ARG:HG3	10	0.55
(1,1644)	1:118:A:LEU:HD12	1:127:A:ARG:HG3	10	0.55
(1,1644)	1:118:A:LEU:HD13	1:127:A:ARG:HG3	10	0.55
(1,1638)	1:88:A:ARG:H	1:87:A:ARG:HB3	6	0.55
(1,1633)	1:169:A:ARG:HD3	1:24:A:GLU:HB3	9	0.55
(1,1449)	1:109:A:GLU:H	1:109:A:GLU:HG3	10	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1156)	1:156:A:ARG:H	1:156:A:ARG:HD3	20	0.55
(1,1128)	1:155:A:THR:HB	1:152:A:GLY:HA3	2	0.55
(1,839)	1:63:A:LEU:HB3	1:62:A:THR:HA	1	0.55
(1,767)	1:40:A:PHE:HB3	1:37:A:SER:HB3	17	0.55
(1,661)	1:34:A:VAL:HG11	1:31:A:THR:HA	5	0.55
(1,661)	1:34:A:VAL:HG12	1:31:A:THR:HA	5	0.55
(1,661)	1:34:A:VAL:HG13	1:31:A:THR:HA	5	0.55
(1,661)	1:34:A:VAL:HG11	1:31:A:THR:HA	19	0.55
(1,661)	1:34:A:VAL:HG12	1:31:A:THR:HA	19	0.55
(1,661)	1:34:A:VAL:HG13	1:31:A:THR:HA	19	0.55
(1,625)	1:118:A:LEU:HD21	1:128:A:VAL:HA	9	0.55
(1,625)	1:118:A:LEU:HD22	1:128:A:VAL:HA	9	0.55
(1,625)	1:118:A:LEU:HD23	1:128:A:VAL:HA	9	0.55
(1,542)	1:172:A:ALA:HB1	1:173:A:GLN:HE22	19	0.55
(1,542)	1:172:A:ALA:HB2	1:173:A:GLN:HE22	19	0.55
(1,542)	1:172:A:ALA:HB3	1:173:A:GLN:HE22	19	0.55
(1,523)	1:185:A:ASN:HB3	1:77:A:GLN:HE22	2	0.55
(1,410)	1:94:A:GLN:HE22	1:95:A:THR:H	12	0.55
(1,171)	1:162:A:MET:HB3	1:161:A:PHE:H	4	0.55
(1,171)	1:162:A:MET:HB3	1:161:A:PHE:H	8	0.55
(1,171)	1:162:A:MET:HB3	1:161:A:PHE:H	20	0.55
(1,74)	1:63:A:LEU:HD11	1:65:A:LEU:H	13	0.55
(1,74)	1:63:A:LEU:HD12	1:65:A:LEU:H	13	0.55
(1,74)	1:63:A:LEU:HD13	1:65:A:LEU:H	13	0.55
(1,3044)	1:81:A:ILE:HG21	2:101:B:ILE:HG13	9	0.54
(1,3044)	1:81:A:ILE:HG22	2:101:B:ILE:HG13	9	0.54
(1,3044)	1:81:A:ILE:HG23	2:101:B:ILE:HG13	9	0.54
(1,2934)	2:99:B:ARG:HA	2:99:B:ARG:HG3	2	0.54
(1,2934)	2:99:B:ARG:HA	2:99:B:ARG:HG3	17	0.54
(1,2902)	2:87:B:ALA:HA	2:90:B:LEU:HB3	14	0.54
(1,2582)	1:140:A:LEU:HB3	1:136:A:TYR:HE1	7	0.54
(1,2582)	1:140:A:LEU:HB3	1:136:A:TYR:HE2	7	0.54
(1,2563)	1:98:A:GLN:HG3	1:99:A:HIS:HD2	12	0.54
(1,2556)	1:183:A:LEU:HD21	1:125:A:TRP:HE3	15	0.54
(1,2556)	1:183:A:LEU:HD22	1:125:A:TRP:HE3	15	0.54
(1,2556)	1:183:A:LEU:HD23	1:125:A:TRP:HE3	15	0.54
(1,2447)	1:131:A:LEU:HB3	1:119:A:PHE:HE1	4	0.54
(1,2447)	1:131:A:LEU:HB3	1:119:A:PHE:HE2	4	0.54
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB1	16	0.54
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB2	16	0.54
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB3	16	0.54
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB1	16	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB2	16	0.54
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB3	16	0.54
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB1	16	0.54
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB2	16	0.54
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB3	16	0.54
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG21	11	0.54
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG22	11	0.54
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG23	11	0.54
(1,2129)	1:175:A:GLY:HA2	1:179:A:ALA:HB1	11	0.54
(1,2129)	1:175:A:GLY:HA2	1:179:A:ALA:HB2	11	0.54
(1,2129)	1:175:A:GLY:HA2	1:179:A:ALA:HB3	11	0.54
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG21	7	0.54
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG22	7	0.54
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG23	7	0.54
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG21	7	0.54
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG22	7	0.54
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG23	7	0.54
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG21	7	0.54
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG22	7	0.54
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG23	7	0.54
(1,1738)	1:77:A:GLN:HE22	1:77:A:GLN:HB3	4	0.54
(1,1663)	1:27:A:VAL:HG11	1:24:A:GLU:HB3	12	0.54
(1,1663)	1:27:A:VAL:HG12	1:24:A:GLU:HB3	12	0.54
(1,1663)	1:27:A:VAL:HG13	1:24:A:GLU:HB3	12	0.54
(1,1429)	1:159:A:VAL:HG11	1:32:A:GLU:HG3	2	0.54
(1,1429)	1:159:A:VAL:HG12	1:32:A:GLU:HG3	2	0.54
(1,1429)	1:159:A:VAL:HG13	1:32:A:GLU:HG3	2	0.54
(1,1424)	1:163:A:LEU:HD11	1:25:A:GLU:HG3	16	0.54
(1,1424)	1:163:A:LEU:HD12	1:25:A:GLU:HG3	16	0.54
(1,1424)	1:163:A:LEU:HD13	1:25:A:GLU:HG3	16	0.54
(1,1424)	1:163:A:LEU:HD21	1:25:A:GLU:HG3	16	0.54
(1,1424)	1:163:A:LEU:HD22	1:25:A:GLU:HG3	16	0.54
(1,1424)	1:163:A:LEU:HD23	1:25:A:GLU:HG3	16	0.54
(1,1349)	1:181:A:LEU:HD11	1:182:A:ASN:HB3	12	0.54
(1,1349)	1:181:A:LEU:HD12	1:182:A:ASN:HB3	12	0.54
(1,1349)	1:181:A:LEU:HD13	1:182:A:ASN:HB3	12	0.54
(1,1136)	1:50:A:GLU:HB3	1:51:A:GLY:HA3	7	0.54
(1,1136)	1:50:A:GLU:HB3	1:51:A:GLY:HA3	16	0.54
(1,1016)	1:183:A:LEU:HD11	1:183:A:LEU:HA	7	0.54
(1,1016)	1:183:A:LEU:HD12	1:183:A:LEU:HA	7	0.54
(1,1016)	1:183:A:LEU:HD13	1:183:A:LEU:HA	7	0.54
(1,962)	1:163:A:LEU:HB3	1:160:A:ASP:HA	6	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,767)	1:40:A:PHE:HB3	1:37:A:SER:HB3	19	0.54
(1,733)	1:26:A:GLN:HG3	1:23:A:SER:HB3	10	0.54
(1,538)	1:22:A:ALA:HA	1:26:A:GLN:HE22	7	0.54
(1,536)	1:67:A:PRO:HB3	1:68:A:SER:H	5	0.54
(1,536)	1:67:A:PRO:HB3	1:68:A:SER:H	18	0.54
(1,436)	1:91:A:SER:HB3	1:91:A:SER:H	9	0.54
(1,410)	1:94:A:GLN:HE22	1:95:A:THR:H	20	0.54
(2,129)	1:28:A:ALA:O	1:32:A:GLU:N	6	0.53
(2,129)	1:28:A:ALA:O	1:32:A:GLU:N	20	0.53
(1,2934)	2:99:B:ARG:HA	2:99:B:ARG:HG3	12	0.53
(1,2934)	2:99:B:ARG:HA	2:99:B:ARG:HG3	18	0.53
(1,2921)	2:92:B:MK8:HB1A	2:95:B:ASP:HB3	9	0.53
(1,2921)	2:92:B:MK8:HB1B	2:95:B:ASP:HB3	9	0.53
(1,2728)	2:92:B:MK8:HB1A	2:95:B:ASP:H	6	0.53
(1,2728)	2:92:B:MK8:HB1B	2:95:B:ASP:H	6	0.53
(1,2493)	1:118:A:LEU:HD21	1:119:A:PHE:HZ	4	0.53
(1,2493)	1:118:A:LEU:HD22	1:119:A:PHE:HZ	4	0.53
(1,2493)	1:118:A:LEU:HD23	1:119:A:PHE:HZ	4	0.53
(1,2447)	1:131:A:LEU:HB3	1:119:A:PHE:HE1	9	0.53
(1,2447)	1:131:A:LEU:HB3	1:119:A:PHE:HE2	9	0.53
(1,2417)	1:136:A:TYR:HB3	1:35:A:PHE:HE1	18	0.53
(1,2417)	1:136:A:TYR:HB3	1:35:A:PHE:HE2	18	0.53
(1,2382)	1:147:A:LEU:HD21	1:150:A:PHE:HD1	4	0.53
(1,2382)	1:147:A:LEU:HD21	1:150:A:PHE:HD2	4	0.53
(1,2382)	1:147:A:LEU:HD22	1:150:A:PHE:HD1	4	0.53
(1,2382)	1:147:A:LEU:HD22	1:150:A:PHE:HD2	4	0.53
(1,2382)	1:147:A:LEU:HD23	1:150:A:PHE:HD1	4	0.53
(1,2382)	1:147:A:LEU:HD23	1:150:A:PHE:HD2	4	0.53
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB1	17	0.53
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB2	17	0.53
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB3	17	0.53
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB1	17	0.53
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB2	17	0.53
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB3	17	0.53
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB1	17	0.53
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB2	17	0.53
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB3	17	0.53
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB1	19	0.53
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB2	19	0.53
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB3	19	0.53
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB1	19	0.53
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB2	19	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB3	19	0.53
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB1	19	0.53
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB2	19	0.53
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB3	19	0.53
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG21	2	0.53
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG22	2	0.53
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG23	2	0.53
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG11	1	0.53
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG12	1	0.53
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG13	1	0.53
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG11	13	0.53
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG12	13	0.53
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG13	13	0.53
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG11	16	0.53
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG12	16	0.53
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG13	16	0.53
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG11	12	0.53
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG12	12	0.53
(1,1933)	1:178:A:VAL:HA	1:74:A:VAL:HG13	12	0.53
(1,1871)	1:63:A:LEU:HA	1:63:A:LEU:HD11	18	0.53
(1,1871)	1:63:A:LEU:HA	1:63:A:LEU:HD12	18	0.53
(1,1871)	1:63:A:LEU:HA	1:63:A:LEU:HD13	18	0.53
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD21	11	0.53
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD22	11	0.53
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD23	11	0.53
(1,1739)	1:55:A:PRO:HA	1:55:A:PRO:HG3	4	0.53
(1,1739)	1:55:A:PRO:HA	1:55:A:PRO:HG3	10	0.53
(1,1739)	1:55:A:PRO:HA	1:55:A:PRO:HG3	11	0.53
(1,1739)	1:55:A:PRO:HA	1:55:A:PRO:HG3	12	0.53
(1,1739)	1:55:A:PRO:HA	1:55:A:PRO:HG3	13	0.53
(1,1739)	1:55:A:PRO:HA	1:55:A:PRO:HG3	16	0.53
(1,1644)	1:118:A:LEU:HD11	1:127:A:ARG:HG3	14	0.53
(1,1644)	1:118:A:LEU:HD12	1:127:A:ARG:HG3	14	0.53
(1,1644)	1:118:A:LEU:HD13	1:127:A:ARG:HG3	14	0.53
(1,1495)	1:153:A:GLN:H	1:153:A:GLN:HG3	16	0.53
(1,1350)	1:179:A:ALA:HB1	1:182:A:ASN:HB3	11	0.53
(1,1350)	1:179:A:ALA:HB2	1:182:A:ASN:HB3	11	0.53
(1,1350)	1:179:A:ALA:HB3	1:182:A:ASN:HB3	11	0.53
(1,1346)	1:157:A:PHE:HD1	1:111:A:PHE:HB3	20	0.53
(1,1346)	1:157:A:PHE:HD2	1:111:A:PHE:HB3	20	0.53
(1,1263)	1:19:A:LEU:H	1:19:A:LEU:HB3	10	0.53
(1,1071)	1:66:A:GLN:HE22	1:67:A:PRO:HD3	11	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1016)	1:183:A:LEU:HD11	1:183:A:LEU:HA	15	0.53
(1,1016)	1:183:A:LEU:HD12	1:183:A:LEU:HA	15	0.53
(1,1016)	1:183:A:LEU:HD13	1:183:A:LEU:HA	15	0.53
(1,962)	1:163:A:LEU:HB3	1:160:A:ASP:HA	9	0.53
(1,962)	1:163:A:LEU:HB3	1:160:A:ASP:HA	19	0.53
(1,733)	1:26:A:GLN:HG3	1:23:A:SER:HB3	1	0.53
(1,733)	1:26:A:GLN:HG3	1:23:A:SER:HB3	15	0.53
(1,661)	1:34:A:VAL:HG11	1:31:A:THR:HA	9	0.53
(1,661)	1:34:A:VAL:HG12	1:31:A:THR:HA	9	0.53
(1,661)	1:34:A:VAL:HG13	1:31:A:THR:HA	9	0.53
(1,538)	1:22:A:ALA:HA	1:26:A:GLN:HE22	5	0.53
(1,505)	1:37:A:SER:HB3	1:37:A:SER:H	10	0.53
(1,410)	1:94:A:GLN:HE22	1:95:A:THR:H	3	0.53
(1,396)	1:158:A:VAL:HG11	1:162:A:MET:H	10	0.53
(1,396)	1:158:A:VAL:HG12	1:162:A:MET:H	10	0.53
(1,396)	1:158:A:VAL:HG13	1:162:A:MET:H	10	0.53
(1,365)	1:87:A:ARG:HB3	1:87:A:ARG:HE	13	0.53
(1,283)	1:42:A:ARG:HB3	1:41:A:TYR:H	3	0.53
(1,205)	1:156:A:ARG:HB3	1:156:A:ARG:H	12	0.53
(1,2934)	2:99:B:ARG:HA	2:99:B:ARG:HG3	8	0.52
(1,2497)	1:39:A:VAL:HG21	1:35:A:PHE:HZ	5	0.52
(1,2497)	1:39:A:VAL:HG22	1:35:A:PHE:HZ	5	0.52
(1,2497)	1:39:A:VAL:HG23	1:35:A:PHE:HZ	5	0.52
(1,2417)	1:136:A:TYR:HB3	1:35:A:PHE:HE1	12	0.52
(1,2417)	1:136:A:TYR:HB3	1:35:A:PHE:HE2	12	0.52
(1,2354)	1:76:A:ARG:HB3	1:41:A:TYR:HD1	1	0.52
(1,2354)	1:76:A:ARG:HB3	1:41:A:TYR:HD2	1	0.52
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG21	7	0.52
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG22	7	0.52
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG23	7	0.52
(1,2129)	1:175:A:GLY:HA2	1:179:A:ALA:HB1	1	0.52
(1,2129)	1:175:A:GLY:HA2	1:179:A:ALA:HB2	1	0.52
(1,2129)	1:175:A:GLY:HA2	1:179:A:ALA:HB3	1	0.52
(1,2109)	1:147:A:LEU:HD21	1:142:A:VAL:HG11	10	0.52
(1,2109)	1:147:A:LEU:HD21	1:142:A:VAL:HG12	10	0.52
(1,2109)	1:147:A:LEU:HD21	1:142:A:VAL:HG13	10	0.52
(1,2109)	1:147:A:LEU:HD22	1:142:A:VAL:HG11	10	0.52
(1,2109)	1:147:A:LEU:HD22	1:142:A:VAL:HG12	10	0.52
(1,2109)	1:147:A:LEU:HD22	1:142:A:VAL:HG13	10	0.52
(1,2109)	1:147:A:LEU:HD23	1:142:A:VAL:HG11	10	0.52
(1,2109)	1:147:A:LEU:HD23	1:142:A:VAL:HG12	10	0.52
(1,2109)	1:147:A:LEU:HD23	1:142:A:VAL:HG13	10	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG11	5	0.52
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG12	5	0.52
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG13	5	0.52
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG11	7	0.52
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG12	7	0.52
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG13	7	0.52
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG11	8	0.52
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG12	8	0.52
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG13	8	0.52
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG11	9	0.52
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG12	9	0.52
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG13	9	0.52
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG11	10	0.52
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG12	10	0.52
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG13	10	0.52
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG11	11	0.52
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG12	11	0.52
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG13	11	0.52
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG11	14	0.52
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG12	14	0.52
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG13	14	0.52
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG11	15	0.52
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG12	15	0.52
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG13	15	0.52
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG11	17	0.52
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG12	17	0.52
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG13	17	0.52
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG11	19	0.52
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG12	19	0.52
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG13	19	0.52
(1,1946)	1:110:A:TYR:HA	1:100:A:LEU:HD21	9	0.52
(1,1946)	1:110:A:TYR:HA	1:100:A:LEU:HD22	9	0.52
(1,1946)	1:110:A:TYR:HA	1:100:A:LEU:HD23	9	0.52
(1,1872)	1:64:A:PRO:HD3	1:63:A:LEU:HD11	11	0.52
(1,1872)	1:64:A:PRO:HD3	1:63:A:LEU:HD12	11	0.52
(1,1872)	1:64:A:PRO:HD3	1:63:A:LEU:HD13	11	0.52
(1,1740)	1:63:A:LEU:HD11	1:64:A:PRO:HG3	5	0.52
(1,1740)	1:63:A:LEU:HD12	1:64:A:PRO:HG3	5	0.52
(1,1740)	1:63:A:LEU:HD13	1:64:A:PRO:HG3	5	0.52
(1,1739)	1:55:A:PRO:HA	1:55:A:PRO:HG3	1	0.52
(1,1739)	1:55:A:PRO:HA	1:55:A:PRO:HG3	2	0.52
(1,1739)	1:55:A:PRO:HA	1:55:A:PRO:HG3	3	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1739)	1:55:A:PRO:HA	1:55:A:PRO:HG3	5	0.52
(1,1739)	1:55:A:PRO:HA	1:55:A:PRO:HG3	6	0.52
(1,1739)	1:55:A:PRO:HA	1:55:A:PRO:HG3	7	0.52
(1,1739)	1:55:A:PRO:HA	1:55:A:PRO:HG3	8	0.52
(1,1739)	1:55:A:PRO:HA	1:55:A:PRO:HG3	9	0.52
(1,1739)	1:55:A:PRO:HA	1:55:A:PRO:HG3	14	0.52
(1,1739)	1:55:A:PRO:HA	1:55:A:PRO:HG3	15	0.52
(1,1739)	1:55:A:PRO:HA	1:55:A:PRO:HG3	17	0.52
(1,1739)	1:55:A:PRO:HA	1:55:A:PRO:HG3	18	0.52
(1,1739)	1:55:A:PRO:HA	1:55:A:PRO:HG3	19	0.52
(1,1739)	1:55:A:PRO:HA	1:55:A:PRO:HG3	20	0.52
(1,1535)	1:156:A:ARG:HA	1:159:A:VAL:HB	2	0.52
(1,1535)	1:156:A:ARG:HA	1:159:A:VAL:HB	6	0.52
(1,1156)	1:156:A:ARG:H	1:156:A:ARG:HD3	7	0.52
(1,1136)	1:50:A:GLU:HB3	1:51:A:GLY:HA3	15	0.52
(1,934)	1:159:A:VAL:HG11	1:156:A:ARG:HA	18	0.52
(1,934)	1:159:A:VAL:HG12	1:156:A:ARG:HA	18	0.52
(1,934)	1:159:A:VAL:HG13	1:156:A:ARG:HA	18	0.52
(1,868)	1:25:A:GLU:HG3	1:25:A:GLU:HA	12	0.52
(1,861)	1:46:A:GLU:HB3	1:43:A:HIS:HA	20	0.52
(1,766)	1:38:A:TYR:H	1:37:A:SER:HB3	8	0.52
(1,744)	1:21:A:SER:H	1:21:A:SER:HB3	7	0.52
(1,661)	1:34:A:VAL:HG11	1:31:A:THR:HA	8	0.52
(1,661)	1:34:A:VAL:HG12	1:31:A:THR:HA	8	0.52
(1,661)	1:34:A:VAL:HG13	1:31:A:THR:HA	8	0.52
(1,205)	1:156:A:ARG:HB3	1:156:A:ARG:H	2	0.52
(1,205)	1:156:A:ARG:HB3	1:156:A:ARG:H	3	0.52
(1,205)	1:156:A:ARG:HB3	1:156:A:ARG:H	20	0.52
(1,21)	1:21:A:SER:HB3	1:22:A:ALA:H	11	0.52
(1,2953)	1:85:A:ILE:HD11	2:100:B:SER:HB3	12	0.51
(1,2953)	1:85:A:ILE:HD12	2:100:B:SER:HB3	12	0.51
(1,2953)	1:85:A:ILE:HD13	2:100:B:SER:HB3	12	0.51
(1,2584)	1:106:A:ASN:HB3	1:110:A:TYR:HE1	10	0.51
(1,2584)	1:106:A:ASN:HB3	1:110:A:TYR:HE2	10	0.51
(1,2417)	1:136:A:TYR:HB3	1:35:A:PHE:HE1	3	0.51
(1,2417)	1:136:A:TYR:HB3	1:35:A:PHE:HE2	3	0.51
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB1	13	0.51
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB2	13	0.51
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB3	13	0.51
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB1	13	0.51
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB2	13	0.51
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB3	13	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB1	13	0.51
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB2	13	0.51
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB3	13	0.51
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG21	5	0.51
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG22	5	0.51
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG23	5	0.51
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG21	12	0.51
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG22	12	0.51
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG23	12	0.51
(1,2016)	1:32:A:GLU:H	1:159:A:VAL:HG11	18	0.51
(1,2016)	1:32:A:GLU:H	1:159:A:VAL:HG12	18	0.51
(1,2016)	1:32:A:GLU:H	1:159:A:VAL:HG13	18	0.51
(1,2013)	1:31:A:THR:HB	1:159:A:VAL:HG11	19	0.51
(1,2013)	1:31:A:THR:HB	1:159:A:VAL:HG12	19	0.51
(1,2013)	1:31:A:THR:HB	1:159:A:VAL:HG13	19	0.51
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG11	2	0.51
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG12	2	0.51
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG13	2	0.51
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG11	3	0.51
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG12	3	0.51
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG13	3	0.51
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG11	4	0.51
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG12	4	0.51
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG13	4	0.51
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG11	6	0.51
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG12	6	0.51
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG13	6	0.51
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG11	12	0.51
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG12	12	0.51
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG13	12	0.51
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG11	20	0.51
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG12	20	0.51
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG13	20	0.51
(1,1871)	1:63:A:LEU:HA	1:63:A:LEU:HD11	15	0.51
(1,1871)	1:63:A:LEU:HA	1:63:A:LEU:HD12	15	0.51
(1,1871)	1:63:A:LEU:HA	1:63:A:LEU:HD13	15	0.51
(1,1850)	1:39:A:VAL:HG21	1:63:A:LEU:HD21	9	0.51
(1,1850)	1:39:A:VAL:HG21	1:63:A:LEU:HD22	9	0.51
(1,1850)	1:39:A:VAL:HG21	1:63:A:LEU:HD23	9	0.51
(1,1850)	1:39:A:VAL:HG22	1:63:A:LEU:HD21	9	0.51
(1,1850)	1:39:A:VAL:HG22	1:63:A:LEU:HD22	9	0.51
(1,1850)	1:39:A:VAL:HG22	1:63:A:LEU:HD23	9	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1850)	1:39:A:VAL:HG23	1:63:A:LEU:HD21	9	0.51
(1,1850)	1:39:A:VAL:HG23	1:63:A:LEU:HD22	9	0.51
(1,1850)	1:39:A:VAL:HG23	1:63:A:LEU:HD23	9	0.51
(1,1845)	1:178:A:VAL:HA	1:181:A:LEU:HD11	11	0.51
(1,1845)	1:178:A:VAL:HA	1:181:A:LEU:HD12	11	0.51
(1,1845)	1:178:A:VAL:HA	1:181:A:LEU:HD13	11	0.51
(1,1842)	1:165:A:HIS:HA	1:166:A:CYS:HB3	18	0.51
(1,1740)	1:63:A:LEU:HD11	1:64:A:PRO:HG3	8	0.51
(1,1740)	1:63:A:LEU:HD12	1:64:A:PRO:HG3	8	0.51
(1,1740)	1:63:A:LEU:HD13	1:64:A:PRO:HG3	8	0.51
(1,1633)	1:169:A:ARG:HD3	1:24:A:GLU:HB3	1	0.51
(1,1535)	1:156:A:ARG:HA	1:159:A:VAL:HB	12	0.51
(1,1464)	1:101:A:GLN:HA	1:101:A:GLN:HG3	17	0.51
(1,1427)	1:92:A:GLU:HA	1:92:A:GLU:HG3	6	0.51
(1,1424)	1:163:A:LEU:HD11	1:25:A:GLU:HG3	19	0.51
(1,1424)	1:163:A:LEU:HD12	1:25:A:GLU:HG3	19	0.51
(1,1424)	1:163:A:LEU:HD13	1:25:A:GLU:HG3	19	0.51
(1,1424)	1:163:A:LEU:HD21	1:25:A:GLU:HG3	19	0.51
(1,1424)	1:163:A:LEU:HD22	1:25:A:GLU:HG3	19	0.51
(1,1424)	1:163:A:LEU:HD23	1:25:A:GLU:HG3	19	0.51
(1,1297)	1:85:A:ILE:H	1:84:A:ASP:HB3	12	0.51
(1,1297)	1:85:A:ILE:H	1:84:A:ASP:HB3	15	0.51
(1,1297)	1:85:A:ILE:H	1:84:A:ASP:HB3	17	0.51
(1,1189)	1:159:A:VAL:HG11	1:156:A:ARG:HD3	17	0.51
(1,1189)	1:159:A:VAL:HG12	1:156:A:ARG:HD3	17	0.51
(1,1189)	1:159:A:VAL:HG13	1:156:A:ARG:HD3	17	0.51
(1,1136)	1:50:A:GLU:HB3	1:51:A:GLY:HA3	2	0.51
(1,1128)	1:155:A:THR:HB	1:152:A:GLY:HA3	9	0.51
(1,1032)	1:131:A:LEU:HD21	1:115:A:ALA:HA	19	0.51
(1,1032)	1:131:A:LEU:HD22	1:115:A:ALA:HA	19	0.51
(1,1032)	1:131:A:LEU:HD23	1:115:A:ALA:HA	19	0.51
(1,1027)	1:27:A:VAL:HG21	1:168:A:ALA:HA	20	0.51
(1,1027)	1:27:A:VAL:HG22	1:168:A:ALA:HA	20	0.51
(1,1027)	1:27:A:VAL:HG23	1:168:A:ALA:HA	20	0.51
(1,813)	1:92:A:GLU:HG3	1:91:A:SER:HB3	12	0.51
(1,767)	1:40:A:PHE:HB3	1:37:A:SER:HB3	9	0.51
(1,661)	1:34:A:VAL:HG11	1:31:A:THR:HA	7	0.51
(1,661)	1:34:A:VAL:HG12	1:31:A:THR:HA	7	0.51
(1,661)	1:34:A:VAL:HG13	1:31:A:THR:HA	7	0.51
(1,661)	1:34:A:VAL:HG11	1:31:A:THR:HA	10	0.51
(1,661)	1:34:A:VAL:HG12	1:31:A:THR:HA	10	0.51
(1,661)	1:34:A:VAL:HG13	1:31:A:THR:HA	10	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,505)	1:37:A:SER:HB3	1:37:A:SER:H	1	0.51
(1,436)	1:91:A:SER:HB3	1:91:A:SER:H	15	0.51
(1,336)	1:127:A:ARG:HB3	1:124:A:ASN:H	19	0.51
(1,298)	1:88:A:ARG:HD3	1:88:A:ARG:H	14	0.51
(1,205)	1:156:A:ARG:HB3	1:156:A:ARG:H	5	0.51
(1,205)	1:156:A:ARG:HB3	1:156:A:ARG:H	6	0.51
(1,205)	1:156:A:ARG:HB3	1:156:A:ARG:H	15	0.51
(1,205)	1:156:A:ARG:HB3	1:156:A:ARG:H	17	0.51
(1,205)	1:156:A:ARG:HB3	1:156:A:ARG:H	18	0.51
(1,3046)	1:81:A:ILE:HD11	2:101:B:ILE:HG13	3	0.5
(1,3046)	1:81:A:ILE:HD12	2:101:B:ILE:HG13	3	0.5
(1,3046)	1:81:A:ILE:HD13	2:101:B:ILE:HG13	3	0.5
(1,2902)	2:87:B:ALA:HA	2:90:B:LEU:HB3	11	0.5
(1,2803)	2:84:B:ARG:HB3	2:84:B:ARG:HD3	5	0.5
(1,2728)	2:92:B:MK8:HB1A	2:95:B:ASP:H	12	0.5
(1,2728)	2:92:B:MK8:HB1B	2:95:B:ASP:H	12	0.5
(1,2728)	2:92:B:MK8:HB1A	2:95:B:ASP:H	17	0.5
(1,2728)	2:92:B:MK8:HB1B	2:95:B:ASP:H	17	0.5
(1,2606)	1:42:A:ARG:HD3	1:38:A:TYR:HE1	1	0.5
(1,2606)	1:42:A:ARG:HD3	1:38:A:TYR:HE2	1	0.5
(1,2606)	1:42:A:ARG:HD3	1:38:A:TYR:HE1	5	0.5
(1,2606)	1:42:A:ARG:HD3	1:38:A:TYR:HE2	5	0.5
(1,2433)	1:97:A:LEU:HD11	1:93:A:PHE:HE1	17	0.5
(1,2433)	1:97:A:LEU:HD11	1:93:A:PHE:HE2	17	0.5
(1,2433)	1:97:A:LEU:HD12	1:93:A:PHE:HE1	17	0.5
(1,2433)	1:97:A:LEU:HD12	1:93:A:PHE:HE2	17	0.5
(1,2433)	1:97:A:LEU:HD13	1:93:A:PHE:HE1	17	0.5
(1,2433)	1:97:A:LEU:HD13	1:93:A:PHE:HE2	17	0.5
(1,2346)	1:42:A:ARG:HD3	1:43:A:HIS:HE1	15	0.5
(1,2129)	1:175:A:GLY:HA2	1:179:A:ALA:HB1	16	0.5
(1,2129)	1:175:A:GLY:HA2	1:179:A:ALA:HB2	16	0.5
(1,2129)	1:175:A:GLY:HA2	1:179:A:ALA:HB3	16	0.5
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE1	9	0.5
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE2	9	0.5
(1,2123)	1:61:A:VAL:HG11	1:60:A:MET:HE3	9	0.5
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE1	9	0.5
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE2	9	0.5
(1,2123)	1:61:A:VAL:HG12	1:60:A:MET:HE3	9	0.5
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE1	9	0.5
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE2	9	0.5
(1,2123)	1:61:A:VAL:HG13	1:60:A:MET:HE3	9	0.5
(1,2069)	1:163:A:LEU:HD11	1:159:A:VAL:HG21	19	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2069)	1:163:A:LEU:HD11	1:159:A:VAL:HG22	19	0.5
(1,2069)	1:163:A:LEU:HD11	1:159:A:VAL:HG23	19	0.5
(1,2069)	1:163:A:LEU:HD12	1:159:A:VAL:HG21	19	0.5
(1,2069)	1:163:A:LEU:HD12	1:159:A:VAL:HG22	19	0.5
(1,2069)	1:163:A:LEU:HD12	1:159:A:VAL:HG23	19	0.5
(1,2069)	1:163:A:LEU:HD13	1:159:A:VAL:HG21	19	0.5
(1,2069)	1:163:A:LEU:HD13	1:159:A:VAL:HG22	19	0.5
(1,2069)	1:163:A:LEU:HD13	1:159:A:VAL:HG23	19	0.5
(1,2069)	1:163:A:LEU:HD21	1:159:A:VAL:HG21	19	0.5
(1,2069)	1:163:A:LEU:HD21	1:159:A:VAL:HG22	19	0.5
(1,2069)	1:163:A:LEU:HD21	1:159:A:VAL:HG23	19	0.5
(1,2069)	1:163:A:LEU:HD22	1:159:A:VAL:HG21	19	0.5
(1,2069)	1:163:A:LEU:HD22	1:159:A:VAL:HG22	19	0.5
(1,2069)	1:163:A:LEU:HD22	1:159:A:VAL:HG23	19	0.5
(1,2069)	1:163:A:LEU:HD23	1:159:A:VAL:HG21	19	0.5
(1,2069)	1:163:A:LEU:HD23	1:159:A:VAL:HG22	19	0.5
(1,2069)	1:163:A:LEU:HD23	1:159:A:VAL:HG23	19	0.5
(1,1960)	1:177:A:TRP:HE3	1:74:A:VAL:HG21	7	0.5
(1,1960)	1:177:A:TRP:HE3	1:74:A:VAL:HG22	7	0.5
(1,1960)	1:177:A:TRP:HE3	1:74:A:VAL:HG23	7	0.5
(1,1793)	1:35:A:PHE:HE1	1:36:A:ARG:HG3	6	0.5
(1,1793)	1:35:A:PHE:HE2	1:36:A:ARG:HG3	6	0.5
(1,1730)	1:144:A:GLN:H	1:145:A:HIS:HB3	1	0.5
(1,1707)	1:94:A:GLN:HE22	1:94:A:GLN:HB3	19	0.5
(1,1676)	1:101:A:GLN:HG3	1:99:A:HIS:HB3	4	0.5
(1,1663)	1:27:A:VAL:HG11	1:24:A:GLU:HB3	11	0.5
(1,1663)	1:27:A:VAL:HG12	1:24:A:GLU:HB3	11	0.5
(1,1663)	1:27:A:VAL:HG13	1:24:A:GLU:HB3	11	0.5
(1,1555)	1:138:A:LEU:HD11	1:141:A:HIS:HB3	20	0.5
(1,1555)	1:138:A:LEU:HD12	1:141:A:HIS:HB3	20	0.5
(1,1555)	1:138:A:LEU:HD13	1:141:A:HIS:HB3	20	0.5
(1,1555)	1:138:A:LEU:HD21	1:141:A:HIS:HB3	20	0.5
(1,1555)	1:138:A:LEU:HD22	1:141:A:HIS:HB3	20	0.5
(1,1555)	1:138:A:LEU:HD23	1:141:A:HIS:HB3	20	0.5
(1,1464)	1:101:A:GLN:HA	1:101:A:GLN:HG3	18	0.5
(1,1349)	1:181:A:LEU:HD11	1:182:A:ASN:HB3	4	0.5
(1,1349)	1:181:A:LEU:HD12	1:182:A:ASN:HB3	4	0.5
(1,1349)	1:181:A:LEU:HD13	1:182:A:ASN:HB3	4	0.5
(1,1349)	1:181:A:LEU:HD11	1:182:A:ASN:HB3	18	0.5
(1,1349)	1:181:A:LEU:HD12	1:182:A:ASN:HB3	18	0.5
(1,1349)	1:181:A:LEU:HD13	1:182:A:ASN:HB3	18	0.5
(1,1297)	1:85:A:ILE:H	1:84:A:ASP:HB3	13	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1156)	1:156:A:ARG:H	1:156:A:ARG:HD3	8	0.5
(1,1027)	1:27:A:VAL:HG21	1:168:A:ALA:HA	1	0.5
(1,1027)	1:27:A:VAL:HG22	1:168:A:ALA:HA	1	0.5
(1,1027)	1:27:A:VAL:HG23	1:168:A:ALA:HA	1	0.5
(1,1016)	1:183:A:LEU:HD11	1:183:A:LEU:HA	5	0.5
(1,1016)	1:183:A:LEU:HD12	1:183:A:LEU:HA	5	0.5
(1,1016)	1:183:A:LEU:HD13	1:183:A:LEU:HA	5	0.5
(1,868)	1:25:A:GLU:HG3	1:25:A:GLU:HA	9	0.5
(1,767)	1:40:A:PHE:HB3	1:37:A:SER:HB3	4	0.5
(1,538)	1:22:A:ALA:HA	1:26:A:GLN:HE22	2	0.5
(1,508)	1:42:A:ARG:HD3	1:86:A:ASN:HD21	5	0.5
(1,505)	1:37:A:SER:HB3	1:37:A:SER:H	7	0.5
(1,336)	1:127:A:ARG:HB3	1:124:A:ASN:H	4	0.5
(1,234)	1:163:A:LEU:HB3	1:163:A:LEU:H	5	0.5
(1,205)	1:156:A:ARG:HB3	1:156:A:ARG:H	9	0.5
(1,205)	1:156:A:ARG:HB3	1:156:A:ARG:H	14	0.5
(1,180)	1:46:A:GLU:HB3	1:46:A:GLU:H	5	0.5
(1,171)	1:162:A:MET:HB3	1:161:A:PHE:H	14	0.5
(1,171)	1:162:A:MET:HB3	1:161:A:PHE:H	17	0.5
(1,171)	1:162:A:MET:HB3	1:161:A:PHE:H	19	0.5
(2,129)	1:28:A:ALA:O	1:32:A:GLU:N	12	0.49
(1,3046)	1:81:A:ILE:HD11	2:101:B:ILE:HG13	2	0.49
(1,3046)	1:81:A:ILE:HD12	2:101:B:ILE:HG13	2	0.49
(1,3046)	1:81:A:ILE:HD13	2:101:B:ILE:HG13	2	0.49
(1,2953)	1:85:A:ILE:HD11	2:100:B:SER:HB3	3	0.49
(1,2953)	1:85:A:ILE:HD12	2:100:B:SER:HB3	3	0.49
(1,2953)	1:85:A:ILE:HD13	2:100:B:SER:HB3	3	0.49
(1,2898)	2:86:B:ILE:H	2:86:B:ILE:HG13	15	0.49
(1,2728)	2:92:B:MK8:HB1A	2:95:B:ASP:H	2	0.49
(1,2728)	2:92:B:MK8:HB1B	2:95:B:ASP:H	2	0.49
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG21	14	0.49
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG22	14	0.49
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG23	14	0.49
(1,2129)	1:175:A:GLY:HA2	1:179:A:ALA:HB1	7	0.49
(1,2129)	1:175:A:GLY:HA2	1:179:A:ALA:HB2	7	0.49
(1,2129)	1:175:A:GLY:HA2	1:179:A:ALA:HB3	7	0.49
(1,2069)	1:163:A:LEU:HD11	1:159:A:VAL:HG21	18	0.49
(1,2069)	1:163:A:LEU:HD11	1:159:A:VAL:HG22	18	0.49
(1,2069)	1:163:A:LEU:HD11	1:159:A:VAL:HG23	18	0.49
(1,2069)	1:163:A:LEU:HD12	1:159:A:VAL:HG21	18	0.49
(1,2069)	1:163:A:LEU:HD12	1:159:A:VAL:HG22	18	0.49
(1,2069)	1:163:A:LEU:HD12	1:159:A:VAL:HG23	18	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2069)	1:163:A:LEU:HD13	1:159:A:VAL:HG21	18	0.49
(1,2069)	1:163:A:LEU:HD13	1:159:A:VAL:HG22	18	0.49
(1,2069)	1:163:A:LEU:HD13	1:159:A:VAL:HG23	18	0.49
(1,2069)	1:163:A:LEU:HD21	1:159:A:VAL:HG21	18	0.49
(1,2069)	1:163:A:LEU:HD21	1:159:A:VAL:HG22	18	0.49
(1,2069)	1:163:A:LEU:HD21	1:159:A:VAL:HG23	18	0.49
(1,2069)	1:163:A:LEU:HD22	1:159:A:VAL:HG21	18	0.49
(1,2069)	1:163:A:LEU:HD22	1:159:A:VAL:HG22	18	0.49
(1,2069)	1:163:A:LEU:HD22	1:159:A:VAL:HG23	18	0.49
(1,2069)	1:163:A:LEU:HD23	1:159:A:VAL:HG21	18	0.49
(1,2069)	1:163:A:LEU:HD23	1:159:A:VAL:HG22	18	0.49
(1,2069)	1:163:A:LEU:HD23	1:159:A:VAL:HG23	18	0.49
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG11	18	0.49
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG12	18	0.49
(1,1998)	1:34:A:VAL:H	1:34:A:VAL:HG13	18	0.49
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD21	5	0.49
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD22	5	0.49
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD23	5	0.49
(1,1842)	1:165:A:HIS:HA	1:166:A:CYS:HB3	2	0.49
(1,1755)	1:56:A:ALA:H	1:55:A:PRO:HG3	11	0.49
(1,1663)	1:27:A:VAL:HG11	1:24:A:GLU:HB3	16	0.49
(1,1663)	1:27:A:VAL:HG12	1:24:A:GLU:HB3	16	0.49
(1,1663)	1:27:A:VAL:HG13	1:24:A:GLU:HB3	16	0.49
(1,1535)	1:156:A:ARG:HA	1:159:A:VAL:HB	20	0.49
(1,1449)	1:109:A:GLU:H	1:109:A:GLU:HG3	11	0.49
(1,1449)	1:109:A:GLU:H	1:109:A:GLU:HG3	13	0.49
(1,1429)	1:159:A:VAL:HG11	1:32:A:GLU:HG3	20	0.49
(1,1429)	1:159:A:VAL:HG12	1:32:A:GLU:HG3	20	0.49
(1,1429)	1:159:A:VAL:HG13	1:32:A:GLU:HG3	20	0.49
(1,1427)	1:92:A:GLU:HA	1:92:A:GLU:HG3	18	0.49
(1,1296)	1:84:A:ASP:H	1:84:A:ASP:HB3	4	0.49
(1,1136)	1:50:A:GLU:HB3	1:51:A:GLY:HA3	20	0.49
(1,1016)	1:183:A:LEU:HD11	1:183:A:LEU:HA	2	0.49
(1,1016)	1:183:A:LEU:HD12	1:183:A:LEU:HA	2	0.49
(1,1016)	1:183:A:LEU:HD13	1:183:A:LEU:HA	2	0.49
(1,899)	1:29:A:GLN:HG3	1:29:A:GLN:HA	18	0.49
(1,733)	1:26:A:GLN:HG3	1:23:A:SER:HB3	6	0.49
(1,661)	1:34:A:VAL:HG11	1:31:A:THR:HA	14	0.49
(1,661)	1:34:A:VAL:HG12	1:31:A:THR:HA	14	0.49
(1,661)	1:34:A:VAL:HG13	1:31:A:THR:HA	14	0.49
(1,505)	1:37:A:SER:HB3	1:37:A:SER:H	15	0.49
(1,365)	1:87:A:ARG:HB3	1:87:A:ARG:HE	5	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,282)	1:47:A:GLN:HB3	1:47:A:GLN:H	8	0.49
(1,234)	1:163:A:LEU:HB3	1:163:A:LEU:H	10	0.49
(1,205)	1:156:A:ARG:HB3	1:156:A:ARG:H	1	0.49
(1,205)	1:156:A:ARG:HB3	1:156:A:ARG:H	4	0.49
(1,205)	1:156:A:ARG:HB3	1:156:A:ARG:H	10	0.49
(1,205)	1:156:A:ARG:HB3	1:156:A:ARG:H	11	0.49
(1,205)	1:156:A:ARG:HB3	1:156:A:ARG:H	13	0.49
(1,127)	1:99:A:HIS:HB3	1:100:A:LEU:H	1	0.49
(1,123)	1:34:A:VAL:HG11	1:74:A:VAL:H	7	0.49
(1,123)	1:34:A:VAL:HG12	1:74:A:VAL:H	7	0.49
(1,123)	1:34:A:VAL:HG13	1:74:A:VAL:H	7	0.49
(1,90)	1:97:A:LEU:HD21	1:138:A:LEU:H	20	0.49
(1,90)	1:97:A:LEU:HD22	1:138:A:LEU:H	20	0.49
(1,90)	1:97:A:LEU:HD23	1:138:A:LEU:H	20	0.49
(2,129)	1:28:A:ALA:O	1:32:A:GLU:N	2	0.48
(1,2902)	2:87:B:ALA:HA	2:90:B:LEU:HB3	2	0.48
(1,2898)	2:86:B:ILE:H	2:86:B:ILE:HG13	14	0.48
(1,2345)	1:163:A:LEU:HB3	1:164:A:HIS:HE1	15	0.48
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB1	15	0.48
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB2	15	0.48
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB3	15	0.48
(1,2185)	1:183:A:LEU:HD21	1:180:A:ALA:HB1	10	0.48
(1,2185)	1:183:A:LEU:HD21	1:180:A:ALA:HB2	10	0.48
(1,2185)	1:183:A:LEU:HD21	1:180:A:ALA:HB3	10	0.48
(1,2185)	1:183:A:LEU:HD22	1:180:A:ALA:HB1	10	0.48
(1,2185)	1:183:A:LEU:HD22	1:180:A:ALA:HB2	10	0.48
(1,2185)	1:183:A:LEU:HD22	1:180:A:ALA:HB3	10	0.48
(1,2185)	1:183:A:LEU:HD23	1:180:A:ALA:HB1	10	0.48
(1,2185)	1:183:A:LEU:HD23	1:180:A:ALA:HB2	10	0.48
(1,2185)	1:183:A:LEU:HD23	1:180:A:ALA:HB3	10	0.48
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG21	4	0.48
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG22	4	0.48
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG23	4	0.48
(1,2088)	1:139:A:ALA:HA	1:142:A:VAL:HG11	9	0.48
(1,2088)	1:139:A:ALA:HA	1:142:A:VAL:HG12	9	0.48
(1,2088)	1:139:A:ALA:HA	1:142:A:VAL:HG13	9	0.48
(1,1968)	1:180:A:ALA:H	1:181:A:LEU:HD21	11	0.48
(1,1968)	1:180:A:ALA:H	1:181:A:LEU:HD22	11	0.48
(1,1968)	1:180:A:ALA:H	1:181:A:LEU:HD23	11	0.48
(1,1961)	1:34:A:VAL:HG11	1:74:A:VAL:HG21	17	0.48
(1,1961)	1:34:A:VAL:HG11	1:74:A:VAL:HG22	17	0.48
(1,1961)	1:34:A:VAL:HG11	1:74:A:VAL:HG23	17	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1961)	1:34:A:VAL:HG12	1:74:A:VAL:HG21	17	0.48
(1,1961)	1:34:A:VAL:HG12	1:74:A:VAL:HG22	17	0.48
(1,1961)	1:34:A:VAL:HG12	1:74:A:VAL:HG23	17	0.48
(1,1961)	1:34:A:VAL:HG13	1:74:A:VAL:HG21	17	0.48
(1,1961)	1:34:A:VAL:HG13	1:74:A:VAL:HG22	17	0.48
(1,1961)	1:34:A:VAL:HG13	1:74:A:VAL:HG23	17	0.48
(1,1730)	1:144:A:GLN:H	1:145:A:HIS:HB3	19	0.48
(1,1678)	2:82:B:ILE:HD11	1:99:A:HIS:HB3	18	0.48
(1,1678)	2:82:B:ILE:HD12	1:99:A:HIS:HB3	18	0.48
(1,1678)	2:82:B:ILE:HD13	1:99:A:HIS:HB3	18	0.48
(1,1495)	1:153:A:GLN:H	1:153:A:GLN:HG3	18	0.48
(1,1351)	1:109:A:GLU:H	1:106:A:ASN:HB3	18	0.48
(1,1263)	1:19:A:LEU:H	1:19:A:LEU:HB3	11	0.48
(1,1071)	1:66:A:GLN:HE22	1:67:A:PRO:HD3	6	0.48
(1,934)	1:159:A:VAL:HG11	1:156:A:ARG:HA	17	0.48
(1,934)	1:159:A:VAL:HG12	1:156:A:ARG:HA	17	0.48
(1,934)	1:159:A:VAL:HG13	1:156:A:ARG:HA	17	0.48
(1,927)	1:141:A:HIS:HB3	1:138:A:LEU:HA	12	0.48
(1,923)	1:76:A:ARG:HG3	1:77:A:GLN:HA	3	0.48
(1,923)	1:76:A:ARG:HG3	1:77:A:GLN:HA	16	0.48
(1,899)	1:29:A:GLN:HG3	1:29:A:GLN:HA	3	0.48
(1,899)	1:29:A:GLN:HG3	1:29:A:GLN:HA	5	0.48
(1,877)	1:46:A:GLU:HG3	1:43:A:HIS:HA	11	0.48
(1,813)	1:92:A:GLU:HG3	1:91:A:SER:HB3	4	0.48
(1,733)	1:26:A:GLN:HG3	1:23:A:SER:HB3	9	0.48
(1,661)	1:34:A:VAL:HG11	1:31:A:THR:HA	6	0.48
(1,661)	1:34:A:VAL:HG12	1:31:A:THR:HA	6	0.48
(1,661)	1:34:A:VAL:HG13	1:31:A:THR:HA	6	0.48
(1,318)	1:27:A:VAL:HG11	1:177:A:TRP:H	17	0.48
(1,318)	1:27:A:VAL:HG12	1:177:A:TRP:H	17	0.48
(1,318)	1:27:A:VAL:HG13	1:177:A:TRP:H	17	0.48
(1,205)	1:156:A:ARG:HB3	1:156:A:ARG:H	7	0.48
(1,205)	1:156:A:ARG:HB3	1:156:A:ARG:H	16	0.48
(1,205)	1:156:A:ARG:HB3	1:156:A:ARG:H	19	0.48
(1,180)	1:46:A:GLU:HB3	1:46:A:GLU:H	6	0.48
(1,180)	1:46:A:GLU:HB3	1:46:A:GLU:H	13	0.48
(1,180)	1:46:A:GLU:HB3	1:46:A:GLU:H	15	0.48
(1,123)	1:34:A:VAL:HG11	1:74:A:VAL:H	17	0.48
(1,123)	1:34:A:VAL:HG12	1:74:A:VAL:H	17	0.48
(1,123)	1:34:A:VAL:HG13	1:74:A:VAL:H	17	0.48
(1,3056)	1:100:A:LEU:HD11	2:82:B:ILE:HG13	11	0.47
(1,3056)	1:100:A:LEU:HD12	2:82:B:ILE:HG13	11	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3056)	1:100:A:LEU:HD13	2:82:B:ILE:HG13	11	0.47
(1,3056)	1:100:A:LEU:HD21	2:82:B:ILE:HG13	11	0.47
(1,3056)	1:100:A:LEU:HD22	2:82:B:ILE:HG13	11	0.47
(1,3056)	1:100:A:LEU:HD23	2:82:B:ILE:HG13	11	0.47
(1,2939)	2:99:B:ARG:HG3	2:100:B:SER:H	11	0.47
(1,2905)	2:88:B:ARG:HB3	2:88:B:ARG:HE	18	0.47
(1,2898)	2:86:B:ILE:H	2:86:B:ILE:HG13	11	0.47
(1,2898)	2:86:B:ILE:H	2:86:B:ILE:HG13	12	0.47
(1,2760)	2:87:B:ALA:HA	2:90:B:LEU:HG	9	0.47
(1,2574)	1:76:A:ARG:HB3	1:41:A:TYR:HE1	10	0.47
(1,2574)	1:76:A:ARG:HB3	1:41:A:TYR:HE2	10	0.47
(1,2563)	1:98:A:GLN:HG3	1:99:A:HIS:HD2	14	0.47
(1,2354)	1:76:A:ARG:HB3	1:41:A:TYR:HD1	10	0.47
(1,2354)	1:76:A:ARG:HB3	1:41:A:TYR:HD2	10	0.47
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG21	13	0.47
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG22	13	0.47
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG23	13	0.47
(1,2016)	1:32:A:GLU:H	1:159:A:VAL:HG11	17	0.47
(1,2016)	1:32:A:GLU:H	1:159:A:VAL:HG12	17	0.47
(1,2016)	1:32:A:GLU:H	1:159:A:VAL:HG13	17	0.47
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG11	9	0.47
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG12	9	0.47
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG13	9	0.47
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG11	11	0.47
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG12	11	0.47
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG13	11	0.47
(1,1795)	1:169:A:ARG:H	1:169:A:ARG:HG3	2	0.47
(1,1676)	1:101:A:GLN:HG3	1:99:A:HIS:HB3	8	0.47
(1,1660)	1:47:A:GLN:HE21	1:46:A:GLU:HB3	7	0.47
(1,1449)	1:109:A:GLU:H	1:109:A:GLU:HG3	1	0.47
(1,1427)	1:92:A:GLU:HA	1:92:A:GLU:HG3	2	0.47
(1,1424)	1:163:A:LEU:HD11	1:25:A:GLU:HG3	15	0.47
(1,1424)	1:163:A:LEU:HD12	1:25:A:GLU:HG3	15	0.47
(1,1424)	1:163:A:LEU:HD13	1:25:A:GLU:HG3	15	0.47
(1,1424)	1:163:A:LEU:HD21	1:25:A:GLU:HG3	15	0.47
(1,1424)	1:163:A:LEU:HD22	1:25:A:GLU:HG3	15	0.47
(1,1424)	1:163:A:LEU:HD23	1:25:A:GLU:HG3	15	0.47
(1,1346)	1:157:A:PHE:HD1	1:111:A:PHE:HB3	2	0.47
(1,1346)	1:157:A:PHE:HD2	1:111:A:PHE:HB3	2	0.47
(1,1346)	1:157:A:PHE:HD1	1:111:A:PHE:HB3	5	0.47
(1,1346)	1:157:A:PHE:HD2	1:111:A:PHE:HB3	5	0.47
(1,1263)	1:19:A:LEU:H	1:19:A:LEU:HB3	1	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1263)	1:19:A:LEU:H	1:19:A:LEU:HB3	2	0.47
(1,1263)	1:19:A:LEU:H	1:19:A:LEU:HB3	13	0.47
(1,1263)	1:19:A:LEU:H	1:19:A:LEU:HB3	18	0.47
(1,1136)	1:50:A:GLU:HB3	1:51:A:GLY:HA3	6	0.47
(1,1136)	1:50:A:GLU:HB3	1:51:A:GLY:HA3	18	0.47
(1,1047)	1:20:A:PRO:HG3	1:19:A:LEU:HA	7	0.47
(1,1016)	1:183:A:LEU:HD11	1:183:A:LEU:HA	13	0.47
(1,1016)	1:183:A:LEU:HD12	1:183:A:LEU:HA	13	0.47
(1,1016)	1:183:A:LEU:HD13	1:183:A:LEU:HA	13	0.47
(1,923)	1:76:A:ARG:HG3	1:77:A:GLN:HA	15	0.47
(1,923)	1:76:A:ARG:HG3	1:77:A:GLN:HA	20	0.47
(1,899)	1:29:A:GLN:HG3	1:29:A:GLN:HA	4	0.47
(1,899)	1:29:A:GLN:HG3	1:29:A:GLN:HA	11	0.47
(1,839)	1:63:A:LEU:HB3	1:62:A:THR:HA	4	0.47
(1,733)	1:26:A:GLN:HG3	1:23:A:SER:HB3	17	0.47
(1,505)	1:37:A:SER:HB3	1:37:A:SER:H	11	0.47
(1,505)	1:37:A:SER:HB3	1:37:A:SER:H	18	0.47
(1,491)	1:163:A:LEU:HB3	1:164:A:HIS:H	18	0.47
(1,436)	1:91:A:SER:HB3	1:91:A:SER:H	1	0.47
(1,378)	1:50:A:GLU:HG3	1:50:A:GLU:H	19	0.47
(1,180)	1:46:A:GLU:HB3	1:46:A:GLU:H	3	0.47
(1,180)	1:46:A:GLU:HB3	1:46:A:GLU:H	9	0.47
(1,3075)	1:183:A:LEU:HD11	2:101:B:ILE:HG13	9	0.46
(1,3075)	1:183:A:LEU:HD12	2:101:B:ILE:HG13	9	0.46
(1,3075)	1:183:A:LEU:HD13	2:101:B:ILE:HG13	9	0.46
(1,3075)	1:183:A:LEU:HD21	2:101:B:ILE:HG13	9	0.46
(1,3075)	1:183:A:LEU:HD22	2:101:B:ILE:HG13	9	0.46
(1,3075)	1:183:A:LEU:HD23	2:101:B:ILE:HG13	9	0.46
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD11	8	0.46
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD12	8	0.46
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD13	8	0.46
(1,2584)	1:106:A:ASN:HB3	1:110:A:TYR:HE1	18	0.46
(1,2584)	1:106:A:ASN:HB3	1:110:A:TYR:HE2	18	0.46
(1,2574)	1:76:A:ARG:HB3	1:41:A:TYR:HE1	14	0.46
(1,2574)	1:76:A:ARG:HB3	1:41:A:TYR:HE2	14	0.46
(1,2563)	1:98:A:GLN:HG3	1:99:A:HIS:HD2	20	0.46
(1,2493)	1:118:A:LEU:HD21	1:119:A:PHE:HZ	14	0.46
(1,2493)	1:118:A:LEU:HD22	1:119:A:PHE:HZ	14	0.46
(1,2493)	1:118:A:LEU:HD23	1:119:A:PHE:HZ	14	0.46
(1,2462)	1:118:A:LEU:HD21	1:119:A:PHE:HE1	9	0.46
(1,2462)	1:118:A:LEU:HD21	1:119:A:PHE:HE2	9	0.46
(1,2462)	1:118:A:LEU:HD22	1:119:A:PHE:HE1	9	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2462)	1:118:A:LEU:HD22	1:119:A:PHE:HE2	9	0.46
(1,2462)	1:118:A:LEU:HD23	1:119:A:PHE:HE1	9	0.46
(1,2462)	1:118:A:LEU:HD23	1:119:A:PHE:HE2	9	0.46
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB1	3	0.46
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB2	3	0.46
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB3	3	0.46
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB1	3	0.46
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB2	3	0.46
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB3	3	0.46
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB1	3	0.46
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB2	3	0.46
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB3	3	0.46
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB1	14	0.46
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB2	14	0.46
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB3	14	0.46
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB1	14	0.46
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB2	14	0.46
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB3	14	0.46
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB1	14	0.46
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB2	14	0.46
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB3	14	0.46
(1,2133)	1:159:A:VAL:HG21	1:28:A:ALA:HB1	4	0.46
(1,2133)	1:159:A:VAL:HG21	1:28:A:ALA:HB2	4	0.46
(1,2133)	1:159:A:VAL:HG21	1:28:A:ALA:HB3	4	0.46
(1,2133)	1:159:A:VAL:HG22	1:28:A:ALA:HB1	4	0.46
(1,2133)	1:159:A:VAL:HG22	1:28:A:ALA:HB2	4	0.46
(1,2133)	1:159:A:VAL:HG22	1:28:A:ALA:HB3	4	0.46
(1,2133)	1:159:A:VAL:HG23	1:28:A:ALA:HB1	4	0.46
(1,2133)	1:159:A:VAL:HG23	1:28:A:ALA:HB2	4	0.46
(1,2133)	1:159:A:VAL:HG23	1:28:A:ALA:HB3	4	0.46
(1,2088)	1:139:A:ALA:HA	1:142:A:VAL:HG11	18	0.46
(1,2088)	1:139:A:ALA:HA	1:142:A:VAL:HG12	18	0.46
(1,2088)	1:139:A:ALA:HA	1:142:A:VAL:HG13	18	0.46
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG21	15	0.46
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG22	15	0.46
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG23	15	0.46
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG21	15	0.46
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG22	15	0.46
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG23	15	0.46
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG21	15	0.46
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG22	15	0.46
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG23	15	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD21	10	0.46
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD22	10	0.46
(1,1918)	1:20:A:PRO:HD3	1:19:A:LEU:HD23	10	0.46
(1,1847)	1:40:A:PHE:H	1:63:A:LEU:HD21	13	0.46
(1,1847)	1:40:A:PHE:H	1:63:A:LEU:HD22	13	0.46
(1,1847)	1:40:A:PHE:H	1:63:A:LEU:HD23	13	0.46
(1,1676)	1:101:A:GLN:HG3	1:99:A:HIS:HB3	7	0.46
(1,1495)	1:153:A:GLN:H	1:153:A:GLN:HG3	8	0.46
(1,1449)	1:109:A:GLU:H	1:109:A:GLU:HG3	18	0.46
(1,1351)	1:109:A:GLU:H	1:106:A:ASN:HB3	10	0.46
(1,1349)	1:181:A:LEU:HD11	1:182:A:ASN:HB3	6	0.46
(1,1349)	1:181:A:LEU:HD12	1:182:A:ASN:HB3	6	0.46
(1,1349)	1:181:A:LEU:HD13	1:182:A:ASN:HB3	6	0.46
(1,1346)	1:157:A:PHE:HD1	1:111:A:PHE:HB3	6	0.46
(1,1346)	1:157:A:PHE:HD2	1:111:A:PHE:HB3	6	0.46
(1,1346)	1:157:A:PHE:HD1	1:111:A:PHE:HB3	12	0.46
(1,1346)	1:157:A:PHE:HD2	1:111:A:PHE:HB3	12	0.46
(1,1225)	1:40:A:PHE:HD1	1:63:A:LEU:HB3	9	0.46
(1,1225)	1:40:A:PHE:HD2	1:63:A:LEU:HB3	9	0.46
(1,1128)	1:155:A:THR:HB	1:152:A:GLY:HA3	1	0.46
(1,1043)	1:182:A:ASN:HB3	1:179:A:ALA:HA	11	0.46
(1,899)	1:29:A:GLN:HG3	1:29:A:GLN:HA	17	0.46
(1,874)	1:63:A:LEU:HD21	1:36:A:ARG:HA	18	0.46
(1,874)	1:63:A:LEU:HD22	1:36:A:ARG:HA	18	0.46
(1,874)	1:63:A:LEU:HD23	1:36:A:ARG:HA	18	0.46
(1,849)	1:158:A:VAL:HG11	1:32:A:GLU:HA	10	0.46
(1,849)	1:158:A:VAL:HG12	1:32:A:GLU:HA	10	0.46
(1,849)	1:158:A:VAL:HG13	1:32:A:GLU:HA	10	0.46
(1,661)	1:34:A:VAL:HG11	1:31:A:THR:HA	2	0.46
(1,661)	1:34:A:VAL:HG12	1:31:A:THR:HA	2	0.46
(1,661)	1:34:A:VAL:HG13	1:31:A:THR:HA	2	0.46
(1,542)	1:172:A:ALA:HB1	1:173:A:GLN:HE22	5	0.46
(1,542)	1:172:A:ALA:HB2	1:173:A:GLN:HE22	5	0.46
(1,542)	1:172:A:ALA:HB3	1:173:A:GLN:HE22	5	0.46
(1,443)	1:181:A:LEU:HB3	1:182:A:ASN:H	5	0.46
(1,443)	1:181:A:LEU:HB3	1:182:A:ASN:H	7	0.46
(1,443)	1:181:A:LEU:HB3	1:182:A:ASN:H	15	0.46
(1,410)	1:94:A:GLN:HE22	1:95:A:THR:H	16	0.46
(1,336)	1:127:A:ARG:HB3	1:124:A:ASN:H	16	0.46
(1,283)	1:42:A:ARG:HB3	1:41:A:TYR:H	1	0.46
(1,190)	1:183:A:LEU:HD21	1:125:A:TRP:H	12	0.46
(1,190)	1:183:A:LEU:HD22	1:125:A:TRP:H	12	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,190)	1:183:A:LEU:HD23	1:125:A:TRP:H	12	0.46
(1,180)	1:46:A:GLU:HB3	1:46:A:GLU:H	8	0.46
(1,72)	1:34:A:VAL:HG21	1:38:A:TYR:H	6	0.46
(1,72)	1:34:A:VAL:HG22	1:38:A:TYR:H	6	0.46
(1,72)	1:34:A:VAL:HG23	1:38:A:TYR:H	6	0.46
(1,2667)	2:92:B:MK8:HB1A	2:95:B:ASP:HB3	18	0.45
(1,2667)	2:92:B:MK8:HB1B	2:95:B:ASP:HB3	18	0.45
(1,2586)	1:100:A:LEU:HD11	1:110:A:TYR:HE1	8	0.45
(1,2586)	1:100:A:LEU:HD11	1:110:A:TYR:HE2	8	0.45
(1,2586)	1:100:A:LEU:HD12	1:110:A:TYR:HE1	8	0.45
(1,2586)	1:100:A:LEU:HD12	1:110:A:TYR:HE2	8	0.45
(1,2586)	1:100:A:LEU:HD13	1:110:A:TYR:HE1	8	0.45
(1,2586)	1:100:A:LEU:HD13	1:110:A:TYR:HE2	8	0.45
(1,2417)	1:136:A:TYR:HB3	1:35:A:PHE:HE1	16	0.45
(1,2417)	1:136:A:TYR:HB3	1:35:A:PHE:HE2	16	0.45
(1,2400)	1:36:A:ARG:HD3	1:35:A:PHE:HD1	16	0.45
(1,2400)	1:36:A:ARG:HD3	1:35:A:PHE:HD2	16	0.45
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB1	4	0.45
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB2	4	0.45
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB3	4	0.45
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB1	4	0.45
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB2	4	0.45
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB3	4	0.45
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB1	4	0.45
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB2	4	0.45
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB3	4	0.45
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG21	10	0.45
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG22	10	0.45
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG23	10	0.45
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG21	19	0.45
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG22	19	0.45
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG23	19	0.45
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG21	15	0.45
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG22	15	0.45
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG23	15	0.45
(1,1978)	1:35:A:PHE:HE1	1:39:A:VAL:HG21	14	0.45
(1,1978)	1:35:A:PHE:HE1	1:39:A:VAL:HG22	14	0.45
(1,1978)	1:35:A:PHE:HE1	1:39:A:VAL:HG23	14	0.45
(1,1978)	1:35:A:PHE:HE2	1:39:A:VAL:HG21	14	0.45
(1,1978)	1:35:A:PHE:HE2	1:39:A:VAL:HG22	14	0.45
(1,1978)	1:35:A:PHE:HE2	1:39:A:VAL:HG23	14	0.45
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG21	13	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG22	13	0.45
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG23	13	0.45
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG21	13	0.45
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG22	13	0.45
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG23	13	0.45
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG21	13	0.45
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG22	13	0.45
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG23	13	0.45
(1,1946)	1:110:A:TYR:HA	1:100:A:LEU:HD21	2	0.45
(1,1946)	1:110:A:TYR:HA	1:100:A:LEU:HD22	2	0.45
(1,1946)	1:110:A:TYR:HA	1:100:A:LEU:HD23	2	0.45
(1,1867)	1:73:A:GLN:HG3	1:181:A:LEU:HD11	6	0.45
(1,1867)	1:73:A:GLN:HG3	1:181:A:LEU:HD12	6	0.45
(1,1867)	1:73:A:GLN:HG3	1:181:A:LEU:HD13	6	0.45
(1,1740)	1:63:A:LEU:HD11	1:64:A:PRO:HG3	14	0.45
(1,1740)	1:63:A:LEU:HD12	1:64:A:PRO:HG3	14	0.45
(1,1740)	1:63:A:LEU:HD13	1:64:A:PRO:HG3	14	0.45
(1,1707)	1:94:A:GLN:HE22	1:94:A:GLN:HB3	10	0.45
(1,1644)	1:118:A:LEU:HD11	1:127:A:ARG:HG3	15	0.45
(1,1644)	1:118:A:LEU:HD12	1:127:A:ARG:HG3	15	0.45
(1,1644)	1:118:A:LEU:HD13	1:127:A:ARG:HG3	15	0.45
(1,1467)	1:61:A:VAL:HA	1:60:A:MET:HG3	12	0.45
(1,1449)	1:109:A:GLU:H	1:109:A:GLU:HG3	9	0.45
(1,1424)	1:163:A:LEU:HD11	1:25:A:GLU:HG3	14	0.45
(1,1424)	1:163:A:LEU:HD12	1:25:A:GLU:HG3	14	0.45
(1,1424)	1:163:A:LEU:HD13	1:25:A:GLU:HG3	14	0.45
(1,1424)	1:163:A:LEU:HD21	1:25:A:GLU:HG3	14	0.45
(1,1424)	1:163:A:LEU:HD22	1:25:A:GLU:HG3	14	0.45
(1,1424)	1:163:A:LEU:HD23	1:25:A:GLU:HG3	14	0.45
(1,1349)	1:181:A:LEU:HD11	1:182:A:ASN:HB3	3	0.45
(1,1349)	1:181:A:LEU:HD12	1:182:A:ASN:HB3	3	0.45
(1,1349)	1:181:A:LEU:HD13	1:182:A:ASN:HB3	3	0.45
(1,1253)	1:42:A:ARG:H	1:42:A:ARG:HD3	10	0.45
(1,1047)	1:20:A:PRO:HG3	1:19:A:LEU:HA	3	0.45
(1,1047)	1:20:A:PRO:HG3	1:19:A:LEU:HA	4	0.45
(1,1047)	1:20:A:PRO:HG3	1:19:A:LEU:HA	5	0.45
(1,1047)	1:20:A:PRO:HG3	1:19:A:LEU:HA	6	0.45
(1,1047)	1:20:A:PRO:HG3	1:19:A:LEU:HA	8	0.45
(1,1047)	1:20:A:PRO:HG3	1:19:A:LEU:HA	9	0.45
(1,1047)	1:20:A:PRO:HG3	1:19:A:LEU:HA	12	0.45
(1,1047)	1:20:A:PRO:HG3	1:19:A:LEU:HA	14	0.45
(1,1047)	1:20:A:PRO:HG3	1:19:A:LEU:HA	15	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1047)	1:20:A:PRO:HG3	1:19:A:LEU:HA	16	0.45
(1,1047)	1:20:A:PRO:HG3	1:19:A:LEU:HA	17	0.45
(1,1047)	1:20:A:PRO:HG3	1:19:A:LEU:HA	19	0.45
(1,1047)	1:20:A:PRO:HG3	1:19:A:LEU:HA	20	0.45
(1,994)	1:50:A:GLU:HG3	1:50:A:GLU:HA	15	0.45
(1,971)	1:48:A:GLU:HB3	1:48:A:GLU:HA	1	0.45
(1,971)	1:48:A:GLU:HB3	1:48:A:GLU:HA	3	0.45
(1,971)	1:48:A:GLU:HB3	1:48:A:GLU:HA	4	0.45
(1,971)	1:48:A:GLU:HB3	1:48:A:GLU:HA	7	0.45
(1,971)	1:48:A:GLU:HB3	1:48:A:GLU:HA	10	0.45
(1,971)	1:48:A:GLU:HB3	1:48:A:GLU:HA	15	0.45
(1,971)	1:48:A:GLU:HB3	1:48:A:GLU:HA	16	0.45
(1,971)	1:48:A:GLU:HB3	1:48:A:GLU:HA	17	0.45
(1,971)	1:48:A:GLU:HB3	1:48:A:GLU:HA	18	0.45
(1,923)	1:76:A:ARG:HG3	1:77:A:GLN:HA	17	0.45
(1,899)	1:29:A:GLN:HG3	1:29:A:GLN:HA	19	0.45
(1,839)	1:63:A:LEU:HB3	1:62:A:THR:HA	12	0.45
(1,813)	1:92:A:GLU:HG3	1:91:A:SER:HB3	1	0.45
(1,661)	1:34:A:VAL:HG11	1:31:A:THR:HA	12	0.45
(1,661)	1:34:A:VAL:HG12	1:31:A:THR:HA	12	0.45
(1,661)	1:34:A:VAL:HG13	1:31:A:THR:HA	12	0.45
(1,661)	1:34:A:VAL:HG11	1:31:A:THR:HA	20	0.45
(1,661)	1:34:A:VAL:HG12	1:31:A:THR:HA	20	0.45
(1,661)	1:34:A:VAL:HG13	1:31:A:THR:HA	20	0.45
(1,653)	1:73:A:GLN:HG3	1:70:A:THR:HA	11	0.45
(1,538)	1:22:A:ALA:HA	1:26:A:GLN:HE22	1	0.45
(1,538)	1:22:A:ALA:HA	1:26:A:GLN:HE22	13	0.45
(1,491)	1:163:A:LEU:HB3	1:164:A:HIS:H	1	0.45
(1,443)	1:181:A:LEU:HB3	1:182:A:ASN:H	16	0.45
(1,365)	1:87:A:ARG:HB3	1:87:A:ARG:HE	3	0.45
(1,325)	1:42:A:ARG:HB3	1:44:A:GLN:H	20	0.45
(1,318)	1:27:A:VAL:HG11	1:177:A:TRP:H	11	0.45
(1,318)	1:27:A:VAL:HG12	1:177:A:TRP:H	11	0.45
(1,318)	1:27:A:VAL:HG13	1:177:A:TRP:H	11	0.45
(1,318)	1:27:A:VAL:HG11	1:177:A:TRP:H	16	0.45
(1,318)	1:27:A:VAL:HG12	1:177:A:TRP:H	16	0.45
(1,318)	1:27:A:VAL:HG13	1:177:A:TRP:H	16	0.45
(1,72)	1:34:A:VAL:HG21	1:38:A:TYR:H	16	0.45
(1,72)	1:34:A:VAL:HG22	1:38:A:TYR:H	16	0.45
(1,72)	1:34:A:VAL:HG23	1:38:A:TYR:H	16	0.45
(1,3056)	1:100:A:LEU:HD11	2:82:B:ILE:HG13	5	0.44
(1,3056)	1:100:A:LEU:HD12	2:82:B:ILE:HG13	5	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3056)	1:100:A:LEU:HD13	2:82:B:ILE:HG13	5	0.44
(1,3056)	1:100:A:LEU:HD21	2:82:B:ILE:HG13	5	0.44
(1,3056)	1:100:A:LEU:HD22	2:82:B:ILE:HG13	5	0.44
(1,3056)	1:100:A:LEU:HD23	2:82:B:ILE:HG13	5	0.44
(1,2898)	2:86:B:ILE:H	2:86:B:ILE:HG13	13	0.44
(1,2885)	2:82:B:ILE:HA	2:82:B:ILE:HG13	17	0.44
(1,2822)	2:88:B:ARG:HA	2:88:B:ARG:HD3	13	0.44
(1,2574)	1:76:A:ARG:HB3	1:41:A:TYR:HE1	18	0.44
(1,2574)	1:76:A:ARG:HB3	1:41:A:TYR:HE2	18	0.44
(1,2417)	1:136:A:TYR:HB3	1:35:A:PHE:HE1	1	0.44
(1,2417)	1:136:A:TYR:HB3	1:35:A:PHE:HE2	1	0.44
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB1	11	0.44
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB2	11	0.44
(1,2246)	1:162:A:MET:HG3	1:168:A:ALA:HB3	11	0.44
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB1	5	0.44
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB2	5	0.44
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB3	5	0.44
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB1	5	0.44
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB2	5	0.44
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB3	5	0.44
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB1	5	0.44
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB2	5	0.44
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB3	5	0.44
(1,2185)	1:183:A:LEU:HD21	1:180:A:ALA:HB1	14	0.44
(1,2185)	1:183:A:LEU:HD21	1:180:A:ALA:HB2	14	0.44
(1,2185)	1:183:A:LEU:HD21	1:180:A:ALA:HB3	14	0.44
(1,2185)	1:183:A:LEU:HD22	1:180:A:ALA:HB1	14	0.44
(1,2185)	1:183:A:LEU:HD22	1:180:A:ALA:HB2	14	0.44
(1,2185)	1:183:A:LEU:HD22	1:180:A:ALA:HB3	14	0.44
(1,2185)	1:183:A:LEU:HD23	1:180:A:ALA:HB1	14	0.44
(1,2185)	1:183:A:LEU:HD23	1:180:A:ALA:HB2	14	0.44
(1,2185)	1:183:A:LEU:HD23	1:180:A:ALA:HB3	14	0.44
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG21	4	0.44
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG22	4	0.44
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG23	4	0.44
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG21	12	0.44
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG22	12	0.44
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG23	12	0.44
(1,1857)	1:138:A:LEU:HD11	1:97:A:LEU:HD21	15	0.44
(1,1857)	1:138:A:LEU:HD11	1:97:A:LEU:HD22	15	0.44
(1,1857)	1:138:A:LEU:HD11	1:97:A:LEU:HD23	15	0.44
(1,1857)	1:138:A:LEU:HD12	1:97:A:LEU:HD21	15	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1857)	1:138:A:LEU:HD12	1:97:A:LEU:HD22	15	0.44
(1,1857)	1:138:A:LEU:HD12	1:97:A:LEU:HD23	15	0.44
(1,1857)	1:138:A:LEU:HD13	1:97:A:LEU:HD21	15	0.44
(1,1857)	1:138:A:LEU:HD13	1:97:A:LEU:HD22	15	0.44
(1,1857)	1:138:A:LEU:HD13	1:97:A:LEU:HD23	15	0.44
(1,1857)	1:138:A:LEU:HD21	1:97:A:LEU:HD21	15	0.44
(1,1857)	1:138:A:LEU:HD21	1:97:A:LEU:HD22	15	0.44
(1,1857)	1:138:A:LEU:HD21	1:97:A:LEU:HD23	15	0.44
(1,1857)	1:138:A:LEU:HD22	1:97:A:LEU:HD21	15	0.44
(1,1857)	1:138:A:LEU:HD22	1:97:A:LEU:HD22	15	0.44
(1,1857)	1:138:A:LEU:HD22	1:97:A:LEU:HD23	15	0.44
(1,1857)	1:138:A:LEU:HD23	1:97:A:LEU:HD21	15	0.44
(1,1857)	1:138:A:LEU:HD23	1:97:A:LEU:HD22	15	0.44
(1,1857)	1:138:A:LEU:HD23	1:97:A:LEU:HD23	15	0.44
(1,1842)	1:165:A:HIS:HA	1:166:A:CYS:HB3	11	0.44
(1,1707)	1:94:A:GLN:HE22	1:94:A:GLN:HB3	6	0.44
(1,1644)	1:118:A:LEU:HD11	1:127:A:ARG:HG3	18	0.44
(1,1644)	1:118:A:LEU:HD12	1:127:A:ARG:HG3	18	0.44
(1,1644)	1:118:A:LEU:HD13	1:127:A:ARG:HG3	18	0.44
(1,1638)	1:88:A:ARG:H	1:87:A:ARG:HB3	2	0.44
(1,1638)	1:88:A:ARG:H	1:87:A:ARG:HB3	8	0.44
(1,1633)	1:169:A:ARG:HD3	1:24:A:GLU:HB3	6	0.44
(1,1479)	1:34:A:VAL:HG11	1:71:A:MET:HG3	5	0.44
(1,1479)	1:34:A:VAL:HG12	1:71:A:MET:HG3	5	0.44
(1,1479)	1:34:A:VAL:HG13	1:71:A:MET:HG3	5	0.44
(1,1449)	1:109:A:GLU:H	1:109:A:GLU:HG3	5	0.44
(1,1350)	1:179:A:ALA:HB1	1:182:A:ASN:HB3	18	0.44
(1,1350)	1:179:A:ALA:HB2	1:182:A:ASN:HB3	18	0.44
(1,1350)	1:179:A:ALA:HB3	1:182:A:ASN:HB3	18	0.44
(1,1297)	1:85:A:ILE:H	1:84:A:ASP:HB3	19	0.44
(1,1263)	1:19:A:LEU:H	1:19:A:LEU:HB3	3	0.44
(1,1263)	1:19:A:LEU:H	1:19:A:LEU:HB3	4	0.44
(1,1263)	1:19:A:LEU:H	1:19:A:LEU:HB3	5	0.44
(1,1263)	1:19:A:LEU:H	1:19:A:LEU:HB3	6	0.44
(1,1263)	1:19:A:LEU:H	1:19:A:LEU:HB3	8	0.44
(1,1263)	1:19:A:LEU:H	1:19:A:LEU:HB3	9	0.44
(1,1263)	1:19:A:LEU:H	1:19:A:LEU:HB3	12	0.44
(1,1263)	1:19:A:LEU:H	1:19:A:LEU:HB3	14	0.44
(1,1263)	1:19:A:LEU:H	1:19:A:LEU:HB3	15	0.44
(1,1263)	1:19:A:LEU:H	1:19:A:LEU:HB3	16	0.44
(1,1263)	1:19:A:LEU:H	1:19:A:LEU:HB3	17	0.44
(1,1263)	1:19:A:LEU:H	1:19:A:LEU:HB3	19	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1263)	1:19:A:LEU:H	1:19:A:LEU:HB3	20	0.44
(1,1252)	1:79:A:ALA:HB1	1:42:A:ARG:HD3	19	0.44
(1,1252)	1:79:A:ALA:HB2	1:42:A:ARG:HD3	19	0.44
(1,1252)	1:79:A:ALA:HB3	1:42:A:ARG:HD3	19	0.44
(1,1136)	1:50:A:GLU:HB3	1:51:A:GLY:HA3	13	0.44
(1,1047)	1:20:A:PRO:HG3	1:19:A:LEU:HA	2	0.44
(1,1047)	1:20:A:PRO:HG3	1:19:A:LEU:HA	13	0.44
(1,1032)	1:131:A:LEU:HD21	1:115:A:ALA:HA	7	0.44
(1,1032)	1:131:A:LEU:HD22	1:115:A:ALA:HA	7	0.44
(1,1032)	1:131:A:LEU:HD23	1:115:A:ALA:HA	7	0.44
(1,1016)	1:183:A:LEU:HD11	1:183:A:LEU:HA	18	0.44
(1,1016)	1:183:A:LEU:HD12	1:183:A:LEU:HA	18	0.44
(1,1016)	1:183:A:LEU:HD13	1:183:A:LEU:HA	18	0.44
(1,899)	1:29:A:GLN:HG3	1:29:A:GLN:HA	6	0.44
(1,733)	1:26:A:GLN:HG3	1:23:A:SER:HB3	18	0.44
(1,542)	1:172:A:ALA:HB1	1:173:A:GLN:HE22	18	0.44
(1,542)	1:172:A:ALA:HB2	1:173:A:GLN:HE22	18	0.44
(1,542)	1:172:A:ALA:HB3	1:173:A:GLN:HE22	18	0.44
(1,538)	1:22:A:ALA:HA	1:26:A:GLN:HE22	9	0.44
(1,505)	1:37:A:SER:HB3	1:37:A:SER:H	8	0.44
(1,491)	1:163:A:LEU:HB3	1:164:A:HIS:H	15	0.44
(1,452)	1:23:A:SER:HB3	1:23:A:SER:H	6	0.44
(1,443)	1:181:A:LEU:HB3	1:182:A:ASN:H	8	0.44
(1,390)	1:63:A:LEU:HD11	1:36:A:ARG:H	15	0.44
(1,390)	1:63:A:LEU:HD12	1:36:A:ARG:H	15	0.44
(1,390)	1:63:A:LEU:HD13	1:36:A:ARG:H	15	0.44
(1,365)	1:87:A:ARG:HB3	1:87:A:ARG:HE	11	0.44
(1,318)	1:27:A:VAL:HG11	1:177:A:TRP:H	3	0.44
(1,318)	1:27:A:VAL:HG12	1:177:A:TRP:H	3	0.44
(1,318)	1:27:A:VAL:HG13	1:177:A:TRP:H	3	0.44
(1,252)	1:51:A:GLY:HA3	1:52:A:VAL:H	6	0.44
(1,252)	1:51:A:GLY:HA3	1:52:A:VAL:H	13	0.44
(1,252)	1:51:A:GLY:HA3	1:52:A:VAL:H	18	0.44
(1,97)	1:29:A:GLN:HG3	1:30:A:ASP:H	15	0.44
(1,97)	1:29:A:GLN:HG3	1:30:A:ASP:H	16	0.44
(1,3046)	1:81:A:ILE:HD11	2:101:B:ILE:HG13	18	0.43
(1,3046)	1:81:A:ILE:HD12	2:101:B:ILE:HG13	18	0.43
(1,3046)	1:81:A:ILE:HD13	2:101:B:ILE:HG13	18	0.43
(1,2894)	2:84:B:ARG:HG3	2:85:B:ASN:H	18	0.43
(1,2888)	2:83:B:ILE:H	2:83:B:ILE:HG13	19	0.43
(1,2884)	2:82:B:ILE:H	2:82:B:ILE:HG13	2	0.43
(1,2417)	1:136:A:TYR:HB3	1:35:A:PHE:HE1	8	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2417)	1:136:A:TYR:HB3	1:35:A:PHE:HE2	8	0.43
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB1	2	0.43
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB2	2	0.43
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB3	2	0.43
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB1	2	0.43
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB2	2	0.43
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB3	2	0.43
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB1	2	0.43
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB2	2	0.43
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB3	2	0.43
(1,2129)	1:175:A:GLY:HA2	1:179:A:ALA:HB1	19	0.43
(1,2129)	1:175:A:GLY:HA2	1:179:A:ALA:HB2	19	0.43
(1,2129)	1:175:A:GLY:HA2	1:179:A:ALA:HB3	19	0.43
(1,2115)	1:50:A:GLU:HG3	1:49:A:ALA:HB1	16	0.43
(1,2115)	1:50:A:GLU:HG3	1:49:A:ALA:HB2	16	0.43
(1,2115)	1:50:A:GLU:HG3	1:49:A:ALA:HB3	16	0.43
(1,2087)	1:150:A:PHE:HE1	1:142:A:VAL:HG11	2	0.43
(1,2087)	1:150:A:PHE:HE1	1:142:A:VAL:HG12	2	0.43
(1,2087)	1:150:A:PHE:HE1	1:142:A:VAL:HG13	2	0.43
(1,2087)	1:150:A:PHE:HE2	1:142:A:VAL:HG11	2	0.43
(1,2087)	1:150:A:PHE:HE2	1:142:A:VAL:HG12	2	0.43
(1,2087)	1:150:A:PHE:HE2	1:142:A:VAL:HG13	2	0.43
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG11	1	0.43
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG12	1	0.43
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG13	1	0.43
(1,1986)	1:35:A:PHE:HD1	1:39:A:VAL:HG21	14	0.43
(1,1986)	1:35:A:PHE:HD1	1:39:A:VAL:HG22	14	0.43
(1,1986)	1:35:A:PHE:HD1	1:39:A:VAL:HG23	14	0.43
(1,1986)	1:35:A:PHE:HD2	1:39:A:VAL:HG21	14	0.43
(1,1986)	1:35:A:PHE:HD2	1:39:A:VAL:HG22	14	0.43
(1,1986)	1:35:A:PHE:HD2	1:39:A:VAL:HG23	14	0.43
(1,1968)	1:180:A:ALA:H	1:181:A:LEU:HD21	14	0.43
(1,1968)	1:180:A:ALA:H	1:181:A:LEU:HD22	14	0.43
(1,1968)	1:180:A:ALA:H	1:181:A:LEU:HD23	14	0.43
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG21	3	0.43
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG22	3	0.43
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG23	3	0.43
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG21	3	0.43
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG22	3	0.43
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG23	3	0.43
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG21	3	0.43
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG22	3	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG23	3	0.43
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG11	5	0.43
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG12	5	0.43
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG13	5	0.43
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG11	17	0.43
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG12	17	0.43
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG13	17	0.43
(1,1895)	1:142:A:VAL:HB	1:147:A:LEU:HD21	6	0.43
(1,1895)	1:142:A:VAL:HB	1:147:A:LEU:HD22	6	0.43
(1,1895)	1:142:A:VAL:HB	1:147:A:LEU:HD23	6	0.43
(1,1869)	1:181:A:LEU:H	1:181:A:LEU:HD11	20	0.43
(1,1869)	1:181:A:LEU:H	1:181:A:LEU:HD12	20	0.43
(1,1869)	1:181:A:LEU:H	1:181:A:LEU:HD13	20	0.43
(1,1857)	1:138:A:LEU:HD11	1:97:A:LEU:HD21	16	0.43
(1,1857)	1:138:A:LEU:HD11	1:97:A:LEU:HD22	16	0.43
(1,1857)	1:138:A:LEU:HD11	1:97:A:LEU:HD23	16	0.43
(1,1857)	1:138:A:LEU:HD12	1:97:A:LEU:HD21	16	0.43
(1,1857)	1:138:A:LEU:HD12	1:97:A:LEU:HD22	16	0.43
(1,1857)	1:138:A:LEU:HD12	1:97:A:LEU:HD23	16	0.43
(1,1857)	1:138:A:LEU:HD13	1:97:A:LEU:HD21	16	0.43
(1,1857)	1:138:A:LEU:HD13	1:97:A:LEU:HD22	16	0.43
(1,1857)	1:138:A:LEU:HD13	1:97:A:LEU:HD23	16	0.43
(1,1857)	1:138:A:LEU:HD21	1:97:A:LEU:HD21	16	0.43
(1,1857)	1:138:A:LEU:HD21	1:97:A:LEU:HD22	16	0.43
(1,1857)	1:138:A:LEU:HD21	1:97:A:LEU:HD23	16	0.43
(1,1857)	1:138:A:LEU:HD22	1:97:A:LEU:HD21	16	0.43
(1,1857)	1:138:A:LEU:HD22	1:97:A:LEU:HD22	16	0.43
(1,1857)	1:138:A:LEU:HD22	1:97:A:LEU:HD23	16	0.43
(1,1857)	1:138:A:LEU:HD23	1:97:A:LEU:HD21	16	0.43
(1,1857)	1:138:A:LEU:HD23	1:97:A:LEU:HD22	16	0.43
(1,1857)	1:138:A:LEU:HD23	1:97:A:LEU:HD23	16	0.43
(1,1730)	1:144:A:GLN:H	1:145:A:HIS:HB3	14	0.43
(1,1638)	1:88:A:ARG:H	1:87:A:ARG:HB3	3	0.43
(1,1638)	1:88:A:ARG:H	1:87:A:ARG:HB3	20	0.43
(1,1495)	1:153:A:GLN:H	1:153:A:GLN:HG3	20	0.43
(1,1449)	1:109:A:GLU:H	1:109:A:GLU:HG3	2	0.43
(1,1449)	1:109:A:GLU:H	1:109:A:GLU:HG3	20	0.43
(1,1427)	1:92:A:GLU:HA	1:92:A:GLU:HG3	13	0.43
(1,1424)	1:163:A:LEU:HD11	1:25:A:GLU:HG3	8	0.43
(1,1424)	1:163:A:LEU:HD12	1:25:A:GLU:HG3	8	0.43
(1,1424)	1:163:A:LEU:HD13	1:25:A:GLU:HG3	8	0.43
(1,1424)	1:163:A:LEU:HD21	1:25:A:GLU:HG3	8	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1424)	1:163:A:LEU:HD22	1:25:A:GLU:HG3	8	0.43
(1,1424)	1:163:A:LEU:HD23	1:25:A:GLU:HG3	8	0.43
(1,1225)	1:40:A:PHE:HD1	1:63:A:LEU:HB3	18	0.43
(1,1225)	1:40:A:PHE:HD2	1:63:A:LEU:HB3	18	0.43
(1,1130)	1:50:A:GLU:HB3	1:51:A:GLY:HA2	11	0.43
(1,1050)	1:19:A:LEU:HD21	1:19:A:LEU:HA	10	0.43
(1,1050)	1:19:A:LEU:HD22	1:19:A:LEU:HA	10	0.43
(1,1050)	1:19:A:LEU:HD23	1:19:A:LEU:HA	10	0.43
(1,1047)	1:20:A:PRO:HG3	1:19:A:LEU:HA	1	0.43
(1,1047)	1:20:A:PRO:HG3	1:19:A:LEU:HA	11	0.43
(1,1047)	1:20:A:PRO:HG3	1:19:A:LEU:HA	18	0.43
(1,1016)	1:183:A:LEU:HD11	1:183:A:LEU:HA	4	0.43
(1,1016)	1:183:A:LEU:HD12	1:183:A:LEU:HA	4	0.43
(1,1016)	1:183:A:LEU:HD13	1:183:A:LEU:HA	4	0.43
(1,923)	1:76:A:ARG:HG3	1:77:A:GLN:HA	18	0.43
(1,767)	1:40:A:PHE:HB3	1:37:A:SER:HB3	3	0.43
(1,733)	1:26:A:GLN:HG3	1:23:A:SER:HB3	14	0.43
(1,538)	1:22:A:ALA:HA	1:26:A:GLN:HE22	12	0.43
(1,452)	1:23:A:SER:HB3	1:23:A:SER:H	1	0.43
(1,336)	1:127:A:ARG:HB3	1:124:A:ASN:H	5	0.43
(1,318)	1:27:A:VAL:HG11	1:177:A:TRP:H	5	0.43
(1,318)	1:27:A:VAL:HG12	1:177:A:TRP:H	5	0.43
(1,318)	1:27:A:VAL:HG13	1:177:A:TRP:H	5	0.43
(1,318)	1:27:A:VAL:HG11	1:177:A:TRP:H	19	0.43
(1,318)	1:27:A:VAL:HG12	1:177:A:TRP:H	19	0.43
(1,318)	1:27:A:VAL:HG13	1:177:A:TRP:H	19	0.43
(1,252)	1:51:A:GLY:HA3	1:52:A:VAL:H	8	0.43
(1,252)	1:51:A:GLY:HA3	1:52:A:VAL:H	9	0.43
(1,252)	1:51:A:GLY:HA3	1:52:A:VAL:H	10	0.43
(1,252)	1:51:A:GLY:HA3	1:52:A:VAL:H	12	0.43
(1,252)	1:51:A:GLY:HA3	1:52:A:VAL:H	20	0.43
(1,234)	1:163:A:LEU:HB3	1:163:A:LEU:H	2	0.43
(1,97)	1:29:A:GLN:HG3	1:30:A:ASP:H	14	0.43
(2,129)	1:28:A:ALA:O	1:32:A:GLU:N	10	0.42
(1,3056)	1:100:A:LEU:HD11	2:82:B:ILE:HG13	6	0.42
(1,3056)	1:100:A:LEU:HD12	2:82:B:ILE:HG13	6	0.42
(1,3056)	1:100:A:LEU:HD13	2:82:B:ILE:HG13	6	0.42
(1,3056)	1:100:A:LEU:HD21	2:82:B:ILE:HG13	6	0.42
(1,3056)	1:100:A:LEU:HD22	2:82:B:ILE:HG13	6	0.42
(1,3056)	1:100:A:LEU:HD23	2:82:B:ILE:HG13	6	0.42
(1,2898)	2:86:B:ILE:H	2:86:B:ILE:HG13	2	0.42
(1,2898)	2:86:B:ILE:H	2:86:B:ILE:HG13	3	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2898)	2:86:B:ILE:H	2:86:B:ILE:HG13	20	0.42
(1,2667)	2:92:B:MK8:HB1A	2:95:B:ASP:HB3	1	0.42
(1,2667)	2:92:B:MK8:HB1B	2:95:B:ASP:HB3	1	0.42
(1,2582)	1:140:A:LEU:HB3	1:136:A:TYR:HE1	17	0.42
(1,2582)	1:140:A:LEU:HB3	1:136:A:TYR:HE2	17	0.42
(1,2400)	1:36:A:ARG:HD3	1:35:A:PHE:HD1	20	0.42
(1,2400)	1:36:A:ARG:HD3	1:35:A:PHE:HD2	20	0.42
(1,2069)	1:163:A:LEU:HD11	1:159:A:VAL:HG21	1	0.42
(1,2069)	1:163:A:LEU:HD11	1:159:A:VAL:HG22	1	0.42
(1,2069)	1:163:A:LEU:HD11	1:159:A:VAL:HG23	1	0.42
(1,2069)	1:163:A:LEU:HD12	1:159:A:VAL:HG21	1	0.42
(1,2069)	1:163:A:LEU:HD12	1:159:A:VAL:HG22	1	0.42
(1,2069)	1:163:A:LEU:HD12	1:159:A:VAL:HG23	1	0.42
(1,2069)	1:163:A:LEU:HD13	1:159:A:VAL:HG21	1	0.42
(1,2069)	1:163:A:LEU:HD13	1:159:A:VAL:HG22	1	0.42
(1,2069)	1:163:A:LEU:HD13	1:159:A:VAL:HG23	1	0.42
(1,2069)	1:163:A:LEU:HD21	1:159:A:VAL:HG21	1	0.42
(1,2069)	1:163:A:LEU:HD21	1:159:A:VAL:HG22	1	0.42
(1,2069)	1:163:A:LEU:HD21	1:159:A:VAL:HG23	1	0.42
(1,2069)	1:163:A:LEU:HD22	1:159:A:VAL:HG21	1	0.42
(1,2069)	1:163:A:LEU:HD22	1:159:A:VAL:HG22	1	0.42
(1,2069)	1:163:A:LEU:HD22	1:159:A:VAL:HG23	1	0.42
(1,2069)	1:163:A:LEU:HD23	1:159:A:VAL:HG21	1	0.42
(1,2069)	1:163:A:LEU:HD23	1:159:A:VAL:HG22	1	0.42
(1,2069)	1:163:A:LEU:HD23	1:159:A:VAL:HG23	1	0.42
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG21	1	0.42
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG22	1	0.42
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG23	1	0.42
(1,2016)	1:32:A:GLU:H	1:159:A:VAL:HG11	14	0.42
(1,2016)	1:32:A:GLU:H	1:159:A:VAL:HG12	14	0.42
(1,2016)	1:32:A:GLU:H	1:159:A:VAL:HG13	14	0.42
(1,1968)	1:180:A:ALA:H	1:181:A:LEU:HD21	19	0.42
(1,1968)	1:180:A:ALA:H	1:181:A:LEU:HD22	19	0.42
(1,1968)	1:180:A:ALA:H	1:181:A:LEU:HD23	19	0.42
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG11	14	0.42
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG12	14	0.42
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG13	14	0.42
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD21	19	0.42
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD22	19	0.42
(1,1854)	1:141:A:HIS:HB3	1:97:A:LEU:HD23	19	0.42
(1,1755)	1:56:A:ALA:H	1:55:A:PRO:HG3	18	0.42
(1,1676)	1:101:A:GLN:HG3	1:99:A:HIS:HB3	15	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1644)	1:118:A:LEU:HD11	1:127:A:ARG:HG3	6	0.42
(1,1644)	1:118:A:LEU:HD12	1:127:A:ARG:HG3	6	0.42
(1,1644)	1:118:A:LEU:HD13	1:127:A:ARG:HG3	6	0.42
(1,1638)	1:88:A:ARG:H	1:87:A:ARG:HB3	5	0.42
(1,1638)	1:88:A:ARG:H	1:87:A:ARG:HB3	11	0.42
(1,1638)	1:88:A:ARG:H	1:87:A:ARG:HB3	19	0.42
(1,1497)	1:150:A:PHE:HB3	1:153:A:GLN:HG3	17	0.42
(1,1490)	1:47:A:GLN:HA	1:47:A:GLN:HG3	19	0.42
(1,1479)	1:34:A:VAL:HG11	1:71:A:MET:HG3	4	0.42
(1,1479)	1:34:A:VAL:HG12	1:71:A:MET:HG3	4	0.42
(1,1479)	1:34:A:VAL:HG13	1:71:A:MET:HG3	4	0.42
(1,1464)	1:101:A:GLN:HA	1:101:A:GLN:HG3	3	0.42
(1,1449)	1:109:A:GLU:H	1:109:A:GLU:HG3	7	0.42
(1,1297)	1:85:A:ILE:H	1:84:A:ASP:HB3	5	0.42
(1,1297)	1:85:A:ILE:H	1:84:A:ASP:HB3	11	0.42
(1,1126)	1:153:A:GLN:HG3	1:152:A:GLY:HA2	3	0.42
(1,1047)	1:20:A:PRO:HG3	1:19:A:LEU:HA	10	0.42
(1,1016)	1:183:A:LEU:HD11	1:183:A:LEU:HA	3	0.42
(1,1016)	1:183:A:LEU:HD12	1:183:A:LEU:HA	3	0.42
(1,1016)	1:183:A:LEU:HD13	1:183:A:LEU:HA	3	0.42
(1,1016)	1:183:A:LEU:HD11	1:183:A:LEU:HA	6	0.42
(1,1016)	1:183:A:LEU:HD12	1:183:A:LEU:HA	6	0.42
(1,1016)	1:183:A:LEU:HD13	1:183:A:LEU:HA	6	0.42
(1,1016)	1:183:A:LEU:HD11	1:183:A:LEU:HA	10	0.42
(1,1016)	1:183:A:LEU:HD12	1:183:A:LEU:HA	10	0.42
(1,1016)	1:183:A:LEU:HD13	1:183:A:LEU:HA	10	0.42
(1,1016)	1:183:A:LEU:HD11	1:183:A:LEU:HA	11	0.42
(1,1016)	1:183:A:LEU:HD12	1:183:A:LEU:HA	11	0.42
(1,1016)	1:183:A:LEU:HD13	1:183:A:LEU:HA	11	0.42
(1,1016)	1:183:A:LEU:HD11	1:183:A:LEU:HA	12	0.42
(1,1016)	1:183:A:LEU:HD12	1:183:A:LEU:HA	12	0.42
(1,1016)	1:183:A:LEU:HD13	1:183:A:LEU:HA	12	0.42
(1,1016)	1:183:A:LEU:HD11	1:183:A:LEU:HA	14	0.42
(1,1016)	1:183:A:LEU:HD12	1:183:A:LEU:HA	14	0.42
(1,1016)	1:183:A:LEU:HD13	1:183:A:LEU:HA	14	0.42
(1,1016)	1:183:A:LEU:HD11	1:183:A:LEU:HA	16	0.42
(1,1016)	1:183:A:LEU:HD12	1:183:A:LEU:HA	16	0.42
(1,1016)	1:183:A:LEU:HD13	1:183:A:LEU:HA	16	0.42
(1,1016)	1:183:A:LEU:HD11	1:183:A:LEU:HA	17	0.42
(1,1016)	1:183:A:LEU:HD12	1:183:A:LEU:HA	17	0.42
(1,1016)	1:183:A:LEU:HD13	1:183:A:LEU:HA	17	0.42
(1,1016)	1:183:A:LEU:HD11	1:183:A:LEU:HA	19	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1016)	1:183:A:LEU:HD12	1:183:A:LEU:HA	19	0.42
(1,1016)	1:183:A:LEU:HD13	1:183:A:LEU:HA	19	0.42
(1,1016)	1:183:A:LEU:HD11	1:183:A:LEU:HA	20	0.42
(1,1016)	1:183:A:LEU:HD12	1:183:A:LEU:HA	20	0.42
(1,1016)	1:183:A:LEU:HD13	1:183:A:LEU:HA	20	0.42
(1,1002)	1:181:A:LEU:HD21	1:181:A:LEU:HA	1	0.42
(1,1002)	1:181:A:LEU:HD22	1:181:A:LEU:HA	1	0.42
(1,1002)	1:181:A:LEU:HD23	1:181:A:LEU:HA	1	0.42
(1,923)	1:76:A:ARG:HG3	1:77:A:GLN:HA	11	0.42
(1,802)	1:91:A:SER:HB3	1:91:A:SER:HA	8	0.42
(1,661)	1:34:A:VAL:HG11	1:31:A:THR:HA	4	0.42
(1,661)	1:34:A:VAL:HG12	1:31:A:THR:HA	4	0.42
(1,661)	1:34:A:VAL:HG13	1:31:A:THR:HA	4	0.42
(1,475)	1:152:A:GLY:HA3	1:155:A:THR:H	20	0.42
(1,452)	1:23:A:SER:HB3	1:23:A:SER:H	3	0.42
(1,452)	1:23:A:SER:HB3	1:23:A:SER:H	9	0.42
(1,318)	1:27:A:VAL:HG11	1:177:A:TRP:H	18	0.42
(1,318)	1:27:A:VAL:HG12	1:177:A:TRP:H	18	0.42
(1,318)	1:27:A:VAL:HG13	1:177:A:TRP:H	18	0.42
(1,283)	1:42:A:ARG:HB3	1:41:A:TYR:H	4	0.42
(1,252)	1:51:A:GLY:HA3	1:52:A:VAL:H	14	0.42
(1,180)	1:46:A:GLU:HB3	1:46:A:GLU:H	14	0.42
(1,97)	1:29:A:GLN:HG3	1:30:A:ASP:H	9	0.42
(2,157)	1:153:A:GLN:O	1:157:A:PHE:N	3	0.41
(2,143)	1:93:A:PHE:O	1:97:A:LEU:N	4	0.41
(2,129)	1:28:A:ALA:O	1:32:A:GLU:N	3	0.41
(1,2902)	2:87:B:ALA:HA	2:90:B:LEU:HB3	4	0.41
(1,2898)	2:86:B:ILE:H	2:86:B:ILE:HG13	4	0.41
(1,2898)	2:86:B:ILE:H	2:86:B:ILE:HG13	9	0.41
(1,2851)	2:88:B:ARG:HB3	2:88:B:ARG:HG3	5	0.41
(1,2728)	2:92:B:MK8:HB1A	2:95:B:ASP:H	20	0.41
(1,2728)	2:92:B:MK8:HB1B	2:95:B:ASP:H	20	0.41
(1,2667)	2:92:B:MK8:HB1A	2:95:B:ASP:HB3	4	0.41
(1,2667)	2:92:B:MK8:HB1B	2:95:B:ASP:HB3	4	0.41
(1,2667)	2:92:B:MK8:HB1A	2:95:B:ASP:HB3	12	0.41
(1,2667)	2:92:B:MK8:HB1B	2:95:B:ASP:HB3	12	0.41
(1,2345)	1:163:A:LEU:HB3	1:164:A:HIS:HE1	19	0.41
(1,2129)	1:175:A:GLY:HA2	1:179:A:ALA:HB1	15	0.41
(1,2129)	1:175:A:GLY:HA2	1:179:A:ALA:HB2	15	0.41
(1,2129)	1:175:A:GLY:HA2	1:179:A:ALA:HB3	15	0.41
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG21	1	0.41
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG22	1	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG23	1	0.41
(1,2016)	1:32:A:GLU:H	1:159:A:VAL:HG11	1	0.41
(1,2016)	1:32:A:GLU:H	1:159:A:VAL:HG12	1	0.41
(1,2016)	1:32:A:GLU:H	1:159:A:VAL:HG13	1	0.41
(1,1961)	1:34:A:VAL:HG11	1:74:A:VAL:HG21	12	0.41
(1,1961)	1:34:A:VAL:HG11	1:74:A:VAL:HG22	12	0.41
(1,1961)	1:34:A:VAL:HG11	1:74:A:VAL:HG23	12	0.41
(1,1961)	1:34:A:VAL:HG12	1:74:A:VAL:HG21	12	0.41
(1,1961)	1:34:A:VAL:HG12	1:74:A:VAL:HG22	12	0.41
(1,1961)	1:34:A:VAL:HG12	1:74:A:VAL:HG23	12	0.41
(1,1961)	1:34:A:VAL:HG13	1:74:A:VAL:HG21	12	0.41
(1,1961)	1:34:A:VAL:HG13	1:74:A:VAL:HG22	12	0.41
(1,1961)	1:34:A:VAL:HG13	1:74:A:VAL:HG23	12	0.41
(1,1946)	1:110:A:TYR:HA	1:100:A:LEU:HD21	7	0.41
(1,1946)	1:110:A:TYR:HA	1:100:A:LEU:HD22	7	0.41
(1,1946)	1:110:A:TYR:HA	1:100:A:LEU:HD23	7	0.41
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD11	17	0.41
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD12	17	0.41
(1,1882)	1:101:A:GLN:HB3	1:100:A:LEU:HD13	17	0.41
(1,1827)	1:162:A:MET:HE1	1:131:A:LEU:HD11	18	0.41
(1,1827)	1:162:A:MET:HE1	1:131:A:LEU:HD12	18	0.41
(1,1827)	1:162:A:MET:HE1	1:131:A:LEU:HD13	18	0.41
(1,1827)	1:162:A:MET:HE2	1:131:A:LEU:HD11	18	0.41
(1,1827)	1:162:A:MET:HE2	1:131:A:LEU:HD12	18	0.41
(1,1827)	1:162:A:MET:HE2	1:131:A:LEU:HD13	18	0.41
(1,1827)	1:162:A:MET:HE3	1:131:A:LEU:HD11	18	0.41
(1,1827)	1:162:A:MET:HE3	1:131:A:LEU:HD12	18	0.41
(1,1827)	1:162:A:MET:HE3	1:131:A:LEU:HD13	18	0.41
(1,1755)	1:56:A:ALA:H	1:55:A:PRO:HG3	13	0.41
(1,1746)	1:86:A:ASN:HB3	1:87:A:ARG:HG3	16	0.41
(1,1713)	1:137:A:ARG:HB3	1:137:A:ARG:HG3	3	0.41
(1,1676)	1:101:A:GLN:HG3	1:99:A:HIS:HB3	5	0.41
(1,1663)	1:27:A:VAL:HG11	1:24:A:GLU:HB3	7	0.41
(1,1663)	1:27:A:VAL:HG12	1:24:A:GLU:HB3	7	0.41
(1,1663)	1:27:A:VAL:HG13	1:24:A:GLU:HB3	7	0.41
(1,1660)	1:47:A:GLN:HE21	1:46:A:GLU:HB3	14	0.41
(1,1495)	1:153:A:GLN:H	1:153:A:GLN:HG3	19	0.41
(1,1449)	1:109:A:GLU:H	1:109:A:GLU:HG3	3	0.41
(1,1449)	1:109:A:GLU:H	1:109:A:GLU:HG3	16	0.41
(1,1424)	1:163:A:LEU:HD11	1:25:A:GLU:HG3	7	0.41
(1,1424)	1:163:A:LEU:HD12	1:25:A:GLU:HG3	7	0.41
(1,1424)	1:163:A:LEU:HD13	1:25:A:GLU:HG3	7	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1424)	1:163:A:LEU:HD21	1:25:A:GLU:HG3	7	0.41
(1,1424)	1:163:A:LEU:HD22	1:25:A:GLU:HG3	7	0.41
(1,1424)	1:163:A:LEU:HD23	1:25:A:GLU:HG3	7	0.41
(1,1424)	1:163:A:LEU:HD11	1:25:A:GLU:HG3	11	0.41
(1,1424)	1:163:A:LEU:HD12	1:25:A:GLU:HG3	11	0.41
(1,1424)	1:163:A:LEU:HD13	1:25:A:GLU:HG3	11	0.41
(1,1424)	1:163:A:LEU:HD21	1:25:A:GLU:HG3	11	0.41
(1,1424)	1:163:A:LEU:HD22	1:25:A:GLU:HG3	11	0.41
(1,1424)	1:163:A:LEU:HD23	1:25:A:GLU:HG3	11	0.41
(1,1424)	1:163:A:LEU:HD11	1:25:A:GLU:HG3	13	0.41
(1,1424)	1:163:A:LEU:HD12	1:25:A:GLU:HG3	13	0.41
(1,1424)	1:163:A:LEU:HD13	1:25:A:GLU:HG3	13	0.41
(1,1424)	1:163:A:LEU:HD21	1:25:A:GLU:HG3	13	0.41
(1,1424)	1:163:A:LEU:HD22	1:25:A:GLU:HG3	13	0.41
(1,1424)	1:163:A:LEU:HD23	1:25:A:GLU:HG3	13	0.41
(1,1189)	1:159:A:VAL:HG11	1:156:A:ARG:HD3	1	0.41
(1,1189)	1:159:A:VAL:HG12	1:156:A:ARG:HD3	1	0.41
(1,1189)	1:159:A:VAL:HG13	1:156:A:ARG:HD3	1	0.41
(1,1136)	1:50:A:GLU:HB3	1:51:A:GLY:HA3	1	0.41
(1,1136)	1:50:A:GLU:HB3	1:51:A:GLY:HA3	3	0.41
(1,1016)	1:183:A:LEU:HD11	1:183:A:LEU:HA	8	0.41
(1,1016)	1:183:A:LEU:HD12	1:183:A:LEU:HA	8	0.41
(1,1016)	1:183:A:LEU:HD13	1:183:A:LEU:HA	8	0.41
(1,923)	1:76:A:ARG:HG3	1:77:A:GLN:HA	12	0.41
(1,802)	1:91:A:SER:HB3	1:91:A:SER:HA	14	0.41
(1,542)	1:172:A:ALA:HB1	1:173:A:GLN:HE22	2	0.41
(1,542)	1:172:A:ALA:HB2	1:173:A:GLN:HE22	2	0.41
(1,542)	1:172:A:ALA:HB3	1:173:A:GLN:HE22	2	0.41
(1,542)	1:172:A:ALA:HB1	1:173:A:GLN:HE22	11	0.41
(1,542)	1:172:A:ALA:HB2	1:173:A:GLN:HE22	11	0.41
(1,542)	1:172:A:ALA:HB3	1:173:A:GLN:HE22	11	0.41
(1,475)	1:152:A:GLY:HA3	1:155:A:THR:H	9	0.41
(1,475)	1:152:A:GLY:HA3	1:155:A:THR:H	16	0.41
(1,452)	1:23:A:SER:HB3	1:23:A:SER:H	10	0.41
(1,336)	1:127:A:ARG:HB3	1:124:A:ASN:H	18	0.41
(1,318)	1:27:A:VAL:HG11	1:177:A:TRP:H	4	0.41
(1,318)	1:27:A:VAL:HG12	1:177:A:TRP:H	4	0.41
(1,318)	1:27:A:VAL:HG13	1:177:A:TRP:H	4	0.41
(1,283)	1:42:A:ARG:HB3	1:41:A:TYR:H	6	0.41
(1,283)	1:42:A:ARG:HB3	1:41:A:TYR:H	18	0.41
(1,252)	1:51:A:GLY:HA3	1:52:A:VAL:H	7	0.41
(1,180)	1:46:A:GLU:HB3	1:46:A:GLU:H	20	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,171)	1:162:A:MET:HB3	1:161:A:PHE:H	7	0.41
(1,130)	1:106:A:ASN:HB3	1:107:A:ALA:H	10	0.41
(1,74)	1:63:A:LEU:HD11	1:65:A:LEU:H	9	0.41
(1,74)	1:63:A:LEU:HD12	1:65:A:LEU:H	9	0.41
(1,74)	1:63:A:LEU:HD13	1:65:A:LEU:H	9	0.41
(2,132)	1:32:A:GLU:O	1:36:A:ARG:N	4	0.4
(2,132)	1:32:A:GLU:O	1:36:A:ARG:N	12	0.4
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD11	3	0.4
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD12	3	0.4
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD13	3	0.4
(1,2902)	2:87:B:ALA:HA	2:90:B:LEU:HB3	5	0.4
(1,2888)	2:83:B:ILE:H	2:83:B:ILE:HG13	3	0.4
(1,2885)	2:82:B:ILE:HA	2:82:B:ILE:HG13	7	0.4
(1,2884)	2:82:B:ILE:H	2:82:B:ILE:HG13	3	0.4
(1,2803)	2:84:B:ARG:HB3	2:84:B:ARG:HD3	1	0.4
(1,2803)	2:84:B:ARG:HB3	2:84:B:ARG:HD3	7	0.4
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD21	1	0.4
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD22	1	0.4
(1,2674)	2:87:B:ALA:HA	2:90:B:LEU:HD23	1	0.4
(1,2586)	1:100:A:LEU:HD11	1:110:A:TYR:HE1	20	0.4
(1,2586)	1:100:A:LEU:HD11	1:110:A:TYR:HE2	20	0.4
(1,2586)	1:100:A:LEU:HD12	1:110:A:TYR:HE1	20	0.4
(1,2586)	1:100:A:LEU:HD12	1:110:A:TYR:HE2	20	0.4
(1,2586)	1:100:A:LEU:HD13	1:110:A:TYR:HE1	20	0.4
(1,2586)	1:100:A:LEU:HD13	1:110:A:TYR:HE2	20	0.4
(1,2574)	1:76:A:ARG:HB3	1:41:A:TYR:HE1	2	0.4
(1,2574)	1:76:A:ARG:HB3	1:41:A:TYR:HE2	2	0.4
(1,2466)	1:109:A:GLU:HG3	1:110:A:TYR:HD1	9	0.4
(1,2466)	1:109:A:GLU:HG3	1:110:A:TYR:HD2	9	0.4
(1,2417)	1:136:A:TYR:HB3	1:35:A:PHE:HE1	5	0.4
(1,2417)	1:136:A:TYR:HB3	1:35:A:PHE:HE2	5	0.4
(1,2354)	1:76:A:ARG:HB3	1:41:A:TYR:HD1	2	0.4
(1,2354)	1:76:A:ARG:HB3	1:41:A:TYR:HD2	2	0.4
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG21	17	0.4
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG22	17	0.4
(1,2147)	1:86:A:ASN:HB3	1:85:A:ILE:HG23	17	0.4
(1,2016)	1:32:A:GLU:H	1:159:A:VAL:HG11	8	0.4
(1,2016)	1:32:A:GLU:H	1:159:A:VAL:HG12	8	0.4
(1,2016)	1:32:A:GLU:H	1:159:A:VAL:HG13	8	0.4
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG11	12	0.4
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG12	12	0.4
(1,2003)	1:71:A:MET:HB3	1:34:A:VAL:HG13	12	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG11	11	0.4
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG12	11	0.4
(1,2000)	1:71:A:MET:HA	1:34:A:VAL:HG13	11	0.4
(1,1978)	1:35:A:PHE:HE1	1:39:A:VAL:HG21	3	0.4
(1,1978)	1:35:A:PHE:HE1	1:39:A:VAL:HG22	3	0.4
(1,1978)	1:35:A:PHE:HE1	1:39:A:VAL:HG23	3	0.4
(1,1978)	1:35:A:PHE:HE2	1:39:A:VAL:HG21	3	0.4
(1,1978)	1:35:A:PHE:HE2	1:39:A:VAL:HG22	3	0.4
(1,1978)	1:35:A:PHE:HE2	1:39:A:VAL:HG23	3	0.4
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG11	6	0.4
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG12	6	0.4
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG13	6	0.4
(1,1850)	1:39:A:VAL:HG21	1:63:A:LEU:HD21	13	0.4
(1,1850)	1:39:A:VAL:HG21	1:63:A:LEU:HD22	13	0.4
(1,1850)	1:39:A:VAL:HG21	1:63:A:LEU:HD23	13	0.4
(1,1850)	1:39:A:VAL:HG22	1:63:A:LEU:HD21	13	0.4
(1,1850)	1:39:A:VAL:HG22	1:63:A:LEU:HD22	13	0.4
(1,1850)	1:39:A:VAL:HG22	1:63:A:LEU:HD23	13	0.4
(1,1850)	1:39:A:VAL:HG23	1:63:A:LEU:HD21	13	0.4
(1,1850)	1:39:A:VAL:HG23	1:63:A:LEU:HD22	13	0.4
(1,1850)	1:39:A:VAL:HG23	1:63:A:LEU:HD23	13	0.4
(1,1795)	1:169:A:ARG:H	1:169:A:ARG:HG3	20	0.4
(1,1730)	1:144:A:GLN:H	1:145:A:HIS:HB3	17	0.4
(1,1676)	1:101:A:GLN:HG3	1:99:A:HIS:HB3	14	0.4
(1,1495)	1:153:A:GLN:H	1:153:A:GLN:HG3	7	0.4
(1,1495)	1:153:A:GLN:H	1:153:A:GLN:HG3	9	0.4
(1,1495)	1:153:A:GLN:H	1:153:A:GLN:HG3	10	0.4
(1,1479)	1:34:A:VAL:HG11	1:71:A:MET:HG3	20	0.4
(1,1479)	1:34:A:VAL:HG12	1:71:A:MET:HG3	20	0.4
(1,1479)	1:34:A:VAL:HG13	1:71:A:MET:HG3	20	0.4
(1,1449)	1:109:A:GLU:H	1:109:A:GLU:HG3	6	0.4
(1,1449)	1:109:A:GLU:H	1:109:A:GLU:HG3	12	0.4
(1,1449)	1:109:A:GLU:H	1:109:A:GLU:HG3	15	0.4
(1,1449)	1:109:A:GLU:H	1:109:A:GLU:HG3	17	0.4
(1,1251)	1:42:A:ARG:HA	1:42:A:ARG:HD3	20	0.4
(1,1212)	1:113:A:LYS:HA	1:113:A:LYS:HE3	5	0.4
(1,1032)	1:131:A:LEU:HD21	1:115:A:ALA:HA	5	0.4
(1,1032)	1:131:A:LEU:HD22	1:115:A:ALA:HA	5	0.4
(1,1032)	1:131:A:LEU:HD23	1:115:A:ALA:HA	5	0.4
(1,1002)	1:181:A:LEU:HD21	1:181:A:LEU:HA	14	0.4
(1,1002)	1:181:A:LEU:HD22	1:181:A:LEU:HA	14	0.4
(1,1002)	1:181:A:LEU:HD23	1:181:A:LEU:HA	14	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1002)	1:181:A:LEU:HD21	1:181:A:LEU:HA	19	0.4
(1,1002)	1:181:A:LEU:HD22	1:181:A:LEU:HA	19	0.4
(1,1002)	1:181:A:LEU:HD23	1:181:A:LEU:HA	19	0.4
(1,934)	1:159:A:VAL:HG11	1:156:A:ARG:HA	7	0.4
(1,934)	1:159:A:VAL:HG12	1:156:A:ARG:HA	7	0.4
(1,934)	1:159:A:VAL:HG13	1:156:A:ARG:HA	7	0.4
(1,934)	1:159:A:VAL:HG11	1:156:A:ARG:HA	10	0.4
(1,934)	1:159:A:VAL:HG12	1:156:A:ARG:HA	10	0.4
(1,934)	1:159:A:VAL:HG13	1:156:A:ARG:HA	10	0.4
(1,923)	1:76:A:ARG:HG3	1:77:A:GLN:HA	7	0.4
(1,874)	1:63:A:LEU:HD21	1:36:A:ARG:HA	9	0.4
(1,874)	1:63:A:LEU:HD22	1:36:A:ARG:HA	9	0.4
(1,874)	1:63:A:LEU:HD23	1:36:A:ARG:HA	9	0.4
(1,868)	1:25:A:GLU:HG3	1:25:A:GLU:HA	18	0.4
(1,802)	1:91:A:SER:HB3	1:91:A:SER:HA	20	0.4
(1,797)	1:147:A:LEU:H	1:143:A:TYR:HA	5	0.4
(1,661)	1:34:A:VAL:HG11	1:31:A:THR:HA	3	0.4
(1,661)	1:34:A:VAL:HG12	1:31:A:THR:HA	3	0.4
(1,661)	1:34:A:VAL:HG13	1:31:A:THR:HA	3	0.4
(1,475)	1:152:A:GLY:HA3	1:155:A:THR:H	4	0.4
(1,452)	1:23:A:SER:HB3	1:23:A:SER:H	2	0.4
(1,452)	1:23:A:SER:HB3	1:23:A:SER:H	8	0.4
(1,452)	1:23:A:SER:HB3	1:23:A:SER:H	12	0.4
(1,452)	1:23:A:SER:HB3	1:23:A:SER:H	15	0.4
(1,452)	1:23:A:SER:HB3	1:23:A:SER:H	16	0.4
(1,452)	1:23:A:SER:HB3	1:23:A:SER:H	19	0.4
(1,252)	1:51:A:GLY:HA3	1:52:A:VAL:H	11	0.4
(1,180)	1:46:A:GLU:HB3	1:46:A:GLU:H	17	0.4
(1,130)	1:106:A:ASN:HB3	1:107:A:ALA:H	18	0.4
(1,97)	1:29:A:GLN:HG3	1:30:A:ASP:H	7	0.4
(1,97)	1:29:A:GLN:HG3	1:30:A:ASP:H	8	0.4
(1,97)	1:29:A:GLN:HG3	1:30:A:ASP:H	13	0.4
(2,133)	1:33:A:GLU:O	1:37:A:SER:N	4	0.39
(2,133)	1:33:A:GLU:O	1:37:A:SER:N	14	0.39
(2,132)	1:32:A:GLU:O	1:36:A:ARG:N	18	0.39
(2,129)	1:28:A:ALA:O	1:32:A:GLU:N	1	0.39
(2,129)	1:28:A:ALA:O	1:32:A:GLU:N	4	0.39
(2,129)	1:28:A:ALA:O	1:32:A:GLU:N	19	0.39
(1,3046)	1:81:A:ILE:HD11	2:101:B:ILE:HG13	17	0.39
(1,3046)	1:81:A:ILE:HD12	2:101:B:ILE:HG13	17	0.39
(1,3046)	1:81:A:ILE:HD13	2:101:B:ILE:HG13	17	0.39
(1,2965)	1:113:A:LYS:HB3	2:86:B:ILE:HD11	1	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2965)	1:113:A:LYS:HB3	2:86:B:ILE:HD12	1	0.39
(1,2965)	1:113:A:LYS:HB3	2:86:B:ILE:HD13	1	0.39
(1,2898)	2:86:B:ILE:H	2:86:B:ILE:HG13	16	0.39
(1,2885)	2:82:B:ILE:HA	2:82:B:ILE:HG13	18	0.39
(1,2884)	2:82:B:ILE:H	2:82:B:ILE:HG13	10	0.39
(1,2803)	2:84:B:ARG:HB3	2:84:B:ARG:HD3	11	0.39
(1,2803)	2:84:B:ARG:HB3	2:84:B:ARG:HD3	16	0.39
(1,2683)	2:84:B:ARG:HA	2:84:B:ARG:HD3	3	0.39
(1,2582)	1:140:A:LEU:HB3	1:136:A:TYR:HE1	4	0.39
(1,2582)	1:140:A:LEU:HB3	1:136:A:TYR:HE2	4	0.39
(1,2443)	1:153:A:GLN:HB3	1:150:A:PHE:HE1	15	0.39
(1,2443)	1:153:A:GLN:HB3	1:150:A:PHE:HE2	15	0.39
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB1	7	0.39
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB2	7	0.39
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB3	7	0.39
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB1	7	0.39
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB2	7	0.39
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB3	7	0.39
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB1	7	0.39
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB2	7	0.39
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB3	7	0.39
(1,2013)	1:31:A:THR:HB	1:159:A:VAL:HG11	20	0.39
(1,2013)	1:31:A:THR:HB	1:159:A:VAL:HG12	20	0.39
(1,2013)	1:31:A:THR:HB	1:159:A:VAL:HG13	20	0.39
(1,1977)	1:39:A:VAL:H	1:39:A:VAL:HG21	2	0.39
(1,1977)	1:39:A:VAL:H	1:39:A:VAL:HG22	2	0.39
(1,1977)	1:39:A:VAL:H	1:39:A:VAL:HG23	2	0.39
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG11	3	0.39
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG12	3	0.39
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG13	3	0.39
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG11	11	0.39
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG12	11	0.39
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG13	11	0.39
(1,1877)	1:101:A:GLN:H	1:100:A:LEU:HD11	8	0.39
(1,1877)	1:101:A:GLN:H	1:100:A:LEU:HD12	8	0.39
(1,1877)	1:101:A:GLN:H	1:100:A:LEU:HD13	8	0.39
(1,1871)	1:63:A:LEU:HA	1:63:A:LEU:HD11	13	0.39
(1,1871)	1:63:A:LEU:HA	1:63:A:LEU:HD12	13	0.39
(1,1871)	1:63:A:LEU:HA	1:63:A:LEU:HD13	13	0.39
(1,1869)	1:181:A:LEU:H	1:181:A:LEU:HD11	3	0.39
(1,1869)	1:181:A:LEU:H	1:181:A:LEU:HD12	3	0.39
(1,1869)	1:181:A:LEU:H	1:181:A:LEU:HD13	3	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1869)	1:181:A:LEU:H	1:181:A:LEU:HD11	13	0.39
(1,1869)	1:181:A:LEU:H	1:181:A:LEU:HD12	13	0.39
(1,1869)	1:181:A:LEU:H	1:181:A:LEU:HD13	13	0.39
(1,1807)	1:139:A:ALA:H	1:138:A:LEU:HG	15	0.39
(1,1755)	1:56:A:ALA:H	1:55:A:PRO:HG3	16	0.39
(1,1713)	1:137:A:ARG:HB3	1:137:A:ARG:HG3	5	0.39
(1,1709)	1:98:A:GLN:HE22	1:98:A:GLN:HB3	18	0.39
(1,1707)	1:94:A:GLN:HE22	1:94:A:GLN:HB3	12	0.39
(1,1495)	1:153:A:GLN:H	1:153:A:GLN:HG3	1	0.39
(1,1495)	1:153:A:GLN:H	1:153:A:GLN:HG3	2	0.39
(1,1495)	1:153:A:GLN:H	1:153:A:GLN:HG3	4	0.39
(1,1495)	1:153:A:GLN:H	1:153:A:GLN:HG3	5	0.39
(1,1476)	1:29:A:GLN:H	1:29:A:GLN:HG3	18	0.39
(1,1296)	1:84:A:ASP:H	1:84:A:ASP:HB3	8	0.39
(1,1251)	1:42:A:ARG:HA	1:42:A:ARG:HD3	9	0.39
(1,1225)	1:40:A:PHE:HD1	1:63:A:LEU:HB3	15	0.39
(1,1225)	1:40:A:PHE:HD2	1:63:A:LEU:HB3	15	0.39
(1,1159)	1:36:A:ARG:HA	1:36:A:ARG:HD3	4	0.39
(1,1095)	1:110:A:TYR:HE1	1:102:A:PRO:HD3	20	0.39
(1,1095)	1:110:A:TYR:HE2	1:102:A:PRO:HD3	20	0.39
(1,1002)	1:181:A:LEU:HD21	1:181:A:LEU:HA	9	0.39
(1,1002)	1:181:A:LEU:HD22	1:181:A:LEU:HA	9	0.39
(1,1002)	1:181:A:LEU:HD23	1:181:A:LEU:HA	9	0.39
(1,802)	1:91:A:SER:HB3	1:91:A:SER:HA	6	0.39
(1,766)	1:38:A:TYR:H	1:37:A:SER:HB3	7	0.39
(1,766)	1:38:A:TYR:H	1:37:A:SER:HB3	11	0.39
(1,766)	1:38:A:TYR:H	1:37:A:SER:HB3	18	0.39
(1,733)	1:26:A:GLN:HG3	1:23:A:SER:HB3	5	0.39
(1,543)	1:181:A:LEU:HD11	1:73:A:GLN:HE21	19	0.39
(1,543)	1:181:A:LEU:HD12	1:73:A:GLN:HE21	19	0.39
(1,543)	1:181:A:LEU:HD13	1:73:A:GLN:HE21	19	0.39
(1,433)	1:92:A:GLU:HG3	1:91:A:SER:H	18	0.39
(1,336)	1:127:A:ARG:HB3	1:124:A:ASN:H	3	0.39
(1,336)	1:127:A:ARG:HB3	1:124:A:ASN:H	17	0.39
(1,283)	1:42:A:ARG:HB3	1:41:A:TYR:H	5	0.39
(1,283)	1:42:A:ARG:HB3	1:41:A:TYR:H	14	0.39
(1,180)	1:46:A:GLU:HB3	1:46:A:GLU:H	4	0.39
(2,161)	1:168:A:ALA:O	1:172:A:ALA:N	5	0.38
(2,147)	1:110:A:TYR:O	1:114:A:ILE:N	9	0.38
(2,132)	1:32:A:GLU:O	1:36:A:ARG:N	5	0.38
(2,132)	1:32:A:GLU:O	1:36:A:ARG:N	6	0.38
(2,132)	1:32:A:GLU:O	1:36:A:ARG:N	16	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,132)	1:32:A:GLU:O	1:36:A:ARG:N	19	0.38
(2,129)	1:28:A:ALA:O	1:32:A:GLU:N	9	0.38
(2,129)	1:28:A:ALA:O	1:32:A:GLU:N	11	0.38
(1,3056)	1:100:A:LEU:HD11	2:82:B:ILE:HG13	16	0.38
(1,3056)	1:100:A:LEU:HD12	2:82:B:ILE:HG13	16	0.38
(1,3056)	1:100:A:LEU:HD13	2:82:B:ILE:HG13	16	0.38
(1,3056)	1:100:A:LEU:HD21	2:82:B:ILE:HG13	16	0.38
(1,3056)	1:100:A:LEU:HD22	2:82:B:ILE:HG13	16	0.38
(1,3056)	1:100:A:LEU:HD23	2:82:B:ILE:HG13	16	0.38
(1,2900)	2:86:B:ILE:HA	2:86:B:ILE:HG13	1	0.38
(1,2898)	2:86:B:ILE:H	2:86:B:ILE:HG13	18	0.38
(1,2884)	2:82:B:ILE:H	2:82:B:ILE:HG13	12	0.38
(1,2884)	2:82:B:ILE:H	2:82:B:ILE:HG13	14	0.38
(1,2667)	2:92:B:MK8:HB1A	2:95:B:ASP:HB3	8	0.38
(1,2667)	2:92:B:MK8:HB1B	2:95:B:ASP:HB3	8	0.38
(1,2556)	1:183:A:LEU:HD21	1:125:A:TRP:HE3	4	0.38
(1,2556)	1:183:A:LEU:HD22	1:125:A:TRP:HE3	4	0.38
(1,2556)	1:183:A:LEU:HD23	1:125:A:TRP:HE3	4	0.38
(1,2454)	1:147:A:LEU:HD21	1:150:A:PHE:HE1	13	0.38
(1,2454)	1:147:A:LEU:HD21	1:150:A:PHE:HE2	13	0.38
(1,2454)	1:147:A:LEU:HD22	1:150:A:PHE:HE1	13	0.38
(1,2454)	1:147:A:LEU:HD22	1:150:A:PHE:HE2	13	0.38
(1,2454)	1:147:A:LEU:HD23	1:150:A:PHE:HE1	13	0.38
(1,2454)	1:147:A:LEU:HD23	1:150:A:PHE:HE2	13	0.38
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB1	12	0.38
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB2	12	0.38
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB3	12	0.38
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB1	12	0.38
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB2	12	0.38
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB3	12	0.38
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB1	12	0.38
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB2	12	0.38
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB3	12	0.38
(1,2222)	1:169:A:ARG:HD3	1:172:A:ALA:HB1	13	0.38
(1,2222)	1:169:A:ARG:HD3	1:172:A:ALA:HB2	13	0.38
(1,2222)	1:169:A:ARG:HD3	1:172:A:ALA:HB3	13	0.38
(1,2087)	1:150:A:PHE:HE1	1:142:A:VAL:HG11	12	0.38
(1,2087)	1:150:A:PHE:HE1	1:142:A:VAL:HG12	12	0.38
(1,2087)	1:150:A:PHE:HE1	1:142:A:VAL:HG13	12	0.38
(1,2087)	1:150:A:PHE:HE2	1:142:A:VAL:HG11	12	0.38
(1,2087)	1:150:A:PHE:HE2	1:142:A:VAL:HG12	12	0.38
(1,2087)	1:150:A:PHE:HE2	1:142:A:VAL:HG13	12	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD11	7	0.38
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD12	7	0.38
(1,2055)	1:182:A:ASN:HB3	1:183:A:LEU:HD13	7	0.38
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG21	14	0.38
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG22	14	0.38
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG23	14	0.38
(1,2013)	1:31:A:THR:HB	1:159:A:VAL:HG11	2	0.38
(1,2013)	1:31:A:THR:HB	1:159:A:VAL:HG12	2	0.38
(1,2013)	1:31:A:THR:HB	1:159:A:VAL:HG13	2	0.38
(1,1988)	1:118:A:LEU:HA	1:118:A:LEU:HD11	19	0.38
(1,1988)	1:118:A:LEU:HA	1:118:A:LEU:HD12	19	0.38
(1,1988)	1:118:A:LEU:HA	1:118:A:LEU:HD13	19	0.38
(1,1977)	1:39:A:VAL:H	1:39:A:VAL:HG21	3	0.38
(1,1977)	1:39:A:VAL:H	1:39:A:VAL:HG22	3	0.38
(1,1977)	1:39:A:VAL:H	1:39:A:VAL:HG23	3	0.38
(1,1977)	1:39:A:VAL:H	1:39:A:VAL:HG21	5	0.38
(1,1977)	1:39:A:VAL:H	1:39:A:VAL:HG22	5	0.38
(1,1977)	1:39:A:VAL:H	1:39:A:VAL:HG23	5	0.38
(1,1977)	1:39:A:VAL:H	1:39:A:VAL:HG21	12	0.38
(1,1977)	1:39:A:VAL:H	1:39:A:VAL:HG22	12	0.38
(1,1977)	1:39:A:VAL:H	1:39:A:VAL:HG23	12	0.38
(1,1977)	1:39:A:VAL:H	1:39:A:VAL:HG21	14	0.38
(1,1977)	1:39:A:VAL:H	1:39:A:VAL:HG22	14	0.38
(1,1977)	1:39:A:VAL:H	1:39:A:VAL:HG23	14	0.38
(1,1977)	1:39:A:VAL:H	1:39:A:VAL:HG21	20	0.38
(1,1977)	1:39:A:VAL:H	1:39:A:VAL:HG22	20	0.38
(1,1977)	1:39:A:VAL:H	1:39:A:VAL:HG23	20	0.38
(1,1961)	1:34:A:VAL:HG11	1:74:A:VAL:HG21	7	0.38
(1,1961)	1:34:A:VAL:HG11	1:74:A:VAL:HG22	7	0.38
(1,1961)	1:34:A:VAL:HG11	1:74:A:VAL:HG23	7	0.38
(1,1961)	1:34:A:VAL:HG12	1:74:A:VAL:HG21	7	0.38
(1,1961)	1:34:A:VAL:HG12	1:74:A:VAL:HG22	7	0.38
(1,1961)	1:34:A:VAL:HG12	1:74:A:VAL:HG23	7	0.38
(1,1961)	1:34:A:VAL:HG13	1:74:A:VAL:HG21	7	0.38
(1,1961)	1:34:A:VAL:HG13	1:74:A:VAL:HG22	7	0.38
(1,1961)	1:34:A:VAL:HG13	1:74:A:VAL:HG23	7	0.38
(1,1904)	1:125:A:TRP:HZ2	1:183:A:LEU:HD21	19	0.38
(1,1904)	1:125:A:TRP:HZ2	1:183:A:LEU:HD22	19	0.38
(1,1904)	1:125:A:TRP:HZ2	1:183:A:LEU:HD23	19	0.38
(1,1877)	1:101:A:GLN:H	1:100:A:LEU:HD11	6	0.38
(1,1877)	1:101:A:GLN:H	1:100:A:LEU:HD12	6	0.38
(1,1877)	1:101:A:GLN:H	1:100:A:LEU:HD13	6	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1877)	1:101:A:GLN:H	1:100:A:LEU:HD11	16	0.38
(1,1877)	1:101:A:GLN:H	1:100:A:LEU:HD12	16	0.38
(1,1877)	1:101:A:GLN:H	1:100:A:LEU:HD13	16	0.38
(1,1872)	1:64:A:PRO:HD3	1:63:A:LEU:HD11	7	0.38
(1,1872)	1:64:A:PRO:HD3	1:63:A:LEU:HD12	7	0.38
(1,1872)	1:64:A:PRO:HD3	1:63:A:LEU:HD13	7	0.38
(1,1872)	1:64:A:PRO:HD3	1:63:A:LEU:HD11	19	0.38
(1,1872)	1:64:A:PRO:HD3	1:63:A:LEU:HD12	19	0.38
(1,1872)	1:64:A:PRO:HD3	1:63:A:LEU:HD13	19	0.38
(1,1871)	1:63:A:LEU:HA	1:63:A:LEU:HD11	1	0.38
(1,1871)	1:63:A:LEU:HA	1:63:A:LEU:HD12	1	0.38
(1,1871)	1:63:A:LEU:HA	1:63:A:LEU:HD13	1	0.38
(1,1871)	1:63:A:LEU:HA	1:63:A:LEU:HD11	9	0.38
(1,1871)	1:63:A:LEU:HA	1:63:A:LEU:HD12	9	0.38
(1,1871)	1:63:A:LEU:HA	1:63:A:LEU:HD13	9	0.38
(1,1847)	1:40:A:PHE:H	1:63:A:LEU:HD21	9	0.38
(1,1847)	1:40:A:PHE:H	1:63:A:LEU:HD22	9	0.38
(1,1847)	1:40:A:PHE:H	1:63:A:LEU:HD23	9	0.38
(1,1747)	1:142:A:VAL:H	1:102:A:PRO:HG3	5	0.38
(1,1713)	1:137:A:ARG:HB3	1:137:A:ARG:HG3	11	0.38
(1,1490)	1:47:A:GLN:HA	1:47:A:GLN:HG3	11	0.38
(1,1225)	1:40:A:PHE:HD1	1:63:A:LEU:HB3	5	0.38
(1,1225)	1:40:A:PHE:HD2	1:63:A:LEU:HB3	5	0.38
(1,1095)	1:110:A:TYR:HE1	1:102:A:PRO:HD3	15	0.38
(1,1095)	1:110:A:TYR:HE2	1:102:A:PRO:HD3	15	0.38
(1,1016)	1:183:A:LEU:HD11	1:183:A:LEU:HA	9	0.38
(1,1016)	1:183:A:LEU:HD12	1:183:A:LEU:HA	9	0.38
(1,1016)	1:183:A:LEU:HD13	1:183:A:LEU:HA	9	0.38
(1,1002)	1:181:A:LEU:HD21	1:181:A:LEU:HA	11	0.38
(1,1002)	1:181:A:LEU:HD22	1:181:A:LEU:HA	11	0.38
(1,1002)	1:181:A:LEU:HD23	1:181:A:LEU:HA	11	0.38
(1,962)	1:163:A:LEU:HB3	1:160:A:ASP:HA	4	0.38
(1,919)	1:21:A:SER:HB3	1:21:A:SER:HA	16	0.38
(1,766)	1:38:A:TYR:H	1:37:A:SER:HB3	14	0.38
(1,733)	1:26:A:GLN:HG3	1:23:A:SER:HB3	3	0.38
(1,733)	1:26:A:GLN:HG3	1:23:A:SER:HB3	11	0.38
(1,528)	1:55:A:PRO:HD3	1:47:A:GLN:HE21	3	0.38
(1,475)	1:152:A:GLY:HA3	1:155:A:THR:H	18	0.38
(1,475)	1:152:A:GLY:HA3	1:155:A:THR:H	19	0.38
(1,452)	1:23:A:SER:HB3	1:23:A:SER:H	7	0.38
(1,452)	1:23:A:SER:HB3	1:23:A:SER:H	13	0.38
(1,452)	1:23:A:SER:HB3	1:23:A:SER:H	18	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,379)	1:50:A:GLU:HB3	1:50:A:GLU:H	3	0.38
(1,365)	1:87:A:ARG:HB3	1:87:A:ARG:HE	6	0.38
(1,252)	1:51:A:GLY:HA3	1:52:A:VAL:H	15	0.38
(1,97)	1:29:A:GLN:HG3	1:30:A:ASP:H	10	0.38
(2,160)	1:159:A:VAL:O	1:163:A:LEU:N	10	0.37
(2,155)	1:151:A:LEU:O	1:155:A:THR:N	2	0.37
(2,155)	1:151:A:LEU:O	1:155:A:THR:N	12	0.37
(2,147)	1:110:A:TYR:O	1:114:A:ILE:N	10	0.37
(2,135)	1:35:A:PHE:O	1:39:A:VAL:N	3	0.37
(2,135)	1:35:A:PHE:O	1:39:A:VAL:N	14	0.37
(2,132)	1:32:A:GLU:O	1:36:A:ARG:N	1	0.37
(2,132)	1:32:A:GLU:O	1:36:A:ARG:N	3	0.37
(2,132)	1:32:A:GLU:O	1:36:A:ARG:N	14	0.37
(2,132)	1:32:A:GLU:O	1:36:A:ARG:N	20	0.37
(2,129)	1:28:A:ALA:O	1:32:A:GLU:N	16	0.37
(2,129)	1:28:A:ALA:O	1:32:A:GLU:N	17	0.37
(1,2939)	2:99:B:ARG:HG3	2:100:B:SER:H	13	0.37
(1,2938)	2:99:B:ARG:HG3	2:99:B:ARG:HE	9	0.37
(1,2922)	2:92:B:MK8:HB1A	2:93:B:VAL:H	9	0.37
(1,2922)	2:92:B:MK8:HB1B	2:93:B:VAL:H	9	0.37
(1,2898)	2:86:B:ILE:H	2:86:B:ILE:HG13	17	0.37
(1,2556)	1:183:A:LEU:HD21	1:125:A:TRP:HE3	2	0.37
(1,2556)	1:183:A:LEU:HD22	1:125:A:TRP:HE3	2	0.37
(1,2556)	1:183:A:LEU:HD23	1:125:A:TRP:HE3	2	0.37
(1,2556)	1:183:A:LEU:HD21	1:125:A:TRP:HE3	3	0.37
(1,2556)	1:183:A:LEU:HD22	1:125:A:TRP:HE3	3	0.37
(1,2556)	1:183:A:LEU:HD23	1:125:A:TRP:HE3	3	0.37
(1,2454)	1:147:A:LEU:HD21	1:150:A:PHE:HE1	4	0.37
(1,2454)	1:147:A:LEU:HD21	1:150:A:PHE:HE2	4	0.37
(1,2454)	1:147:A:LEU:HD22	1:150:A:PHE:HE1	4	0.37
(1,2454)	1:147:A:LEU:HD22	1:150:A:PHE:HE2	4	0.37
(1,2454)	1:147:A:LEU:HD23	1:150:A:PHE:HE1	4	0.37
(1,2454)	1:147:A:LEU:HD23	1:150:A:PHE:HE2	4	0.37
(1,2433)	1:97:A:LEU:HD11	1:93:A:PHE:HE1	3	0.37
(1,2433)	1:97:A:LEU:HD11	1:93:A:PHE:HE2	3	0.37
(1,2433)	1:97:A:LEU:HD12	1:93:A:PHE:HE1	3	0.37
(1,2433)	1:97:A:LEU:HD12	1:93:A:PHE:HE2	3	0.37
(1,2433)	1:97:A:LEU:HD13	1:93:A:PHE:HE1	3	0.37
(1,2433)	1:97:A:LEU:HD13	1:93:A:PHE:HE2	3	0.37
(1,2318)	1:84:A:ASP:HB3	1:85:A:ILE:HD11	6	0.37
(1,2318)	1:84:A:ASP:HB3	1:85:A:ILE:HD12	6	0.37
(1,2318)	1:84:A:ASP:HB3	1:85:A:ILE:HD13	6	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2222)	1:169:A:ARG:HD3	1:172:A:ALA:HB1	10	0.37
(1,2222)	1:169:A:ARG:HD3	1:172:A:ALA:HB2	10	0.37
(1,2222)	1:169:A:ARG:HD3	1:172:A:ALA:HB3	10	0.37
(1,2185)	1:183:A:LEU:HD21	1:180:A:ALA:HB1	11	0.37
(1,2185)	1:183:A:LEU:HD21	1:180:A:ALA:HB2	11	0.37
(1,2185)	1:183:A:LEU:HD21	1:180:A:ALA:HB3	11	0.37
(1,2185)	1:183:A:LEU:HD22	1:180:A:ALA:HB1	11	0.37
(1,2185)	1:183:A:LEU:HD22	1:180:A:ALA:HB2	11	0.37
(1,2185)	1:183:A:LEU:HD22	1:180:A:ALA:HB3	11	0.37
(1,2185)	1:183:A:LEU:HD23	1:180:A:ALA:HB1	11	0.37
(1,2185)	1:183:A:LEU:HD23	1:180:A:ALA:HB2	11	0.37
(1,2185)	1:183:A:LEU:HD23	1:180:A:ALA:HB3	11	0.37
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG21	12	0.37
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG22	12	0.37
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG23	12	0.37
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG21	5	0.37
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG22	5	0.37
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG23	5	0.37
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG21	9	0.37
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG22	9	0.37
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG23	9	0.37
(1,2021)	1:35:A:PHE:HB3	1:132:A:LEU:HD11	19	0.37
(1,2021)	1:35:A:PHE:HB3	1:132:A:LEU:HD12	19	0.37
(1,2021)	1:35:A:PHE:HB3	1:132:A:LEU:HD13	19	0.37
(1,2021)	1:35:A:PHE:HB3	1:132:A:LEU:HD21	19	0.37
(1,2021)	1:35:A:PHE:HB3	1:132:A:LEU:HD22	19	0.37
(1,2021)	1:35:A:PHE:HB3	1:132:A:LEU:HD23	19	0.37
(1,1988)	1:118:A:LEU:HA	1:118:A:LEU:HD11	9	0.37
(1,1988)	1:118:A:LEU:HA	1:118:A:LEU:HD12	9	0.37
(1,1988)	1:118:A:LEU:HA	1:118:A:LEU:HD13	9	0.37
(1,1988)	1:118:A:LEU:HA	1:118:A:LEU:HD11	14	0.37
(1,1988)	1:118:A:LEU:HA	1:118:A:LEU:HD12	14	0.37
(1,1988)	1:118:A:LEU:HA	1:118:A:LEU:HD13	14	0.37
(1,1960)	1:177:A:TRP:HE3	1:74:A:VAL:HG21	1	0.37
(1,1960)	1:177:A:TRP:HE3	1:74:A:VAL:HG22	1	0.37
(1,1960)	1:177:A:TRP:HE3	1:74:A:VAL:HG23	1	0.37
(1,1952)	1:35:A:PHE:HB3	1:31:A:THR:HG21	20	0.37
(1,1952)	1:35:A:PHE:HB3	1:31:A:THR:HG22	20	0.37
(1,1952)	1:35:A:PHE:HB3	1:31:A:THR:HG23	20	0.37
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG11	15	0.37
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG12	15	0.37
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG13	15	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG11	18	0.37
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG12	18	0.37
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG13	18	0.37
(1,1869)	1:181:A:LEU:H	1:181:A:LEU:HD11	4	0.37
(1,1869)	1:181:A:LEU:H	1:181:A:LEU:HD12	4	0.37
(1,1869)	1:181:A:LEU:H	1:181:A:LEU:HD13	4	0.37
(1,1869)	1:181:A:LEU:H	1:181:A:LEU:HD11	10	0.37
(1,1869)	1:181:A:LEU:H	1:181:A:LEU:HD12	10	0.37
(1,1869)	1:181:A:LEU:H	1:181:A:LEU:HD13	10	0.37
(1,1795)	1:169:A:ARG:H	1:169:A:ARG:HG3	3	0.37
(1,1730)	1:144:A:GLN:H	1:145:A:HIS:HB3	5	0.37
(1,1676)	1:101:A:GLN:HG3	1:99:A:HIS:HB3	11	0.37
(1,1675)	1:84:A:ASP:HB3	1:85:A:ILE:HG13	8	0.37
(1,1663)	1:27:A:VAL:HG11	1:24:A:GLU:HB3	8	0.37
(1,1663)	1:27:A:VAL:HG12	1:24:A:GLU:HB3	8	0.37
(1,1663)	1:27:A:VAL:HG13	1:24:A:GLU:HB3	8	0.37
(1,1663)	1:27:A:VAL:HG11	1:24:A:GLU:HB3	13	0.37
(1,1663)	1:27:A:VAL:HG12	1:24:A:GLU:HB3	13	0.37
(1,1663)	1:27:A:VAL:HG13	1:24:A:GLU:HB3	13	0.37
(1,1497)	1:150:A:PHE:HB3	1:153:A:GLN:HG3	15	0.37
(1,1476)	1:29:A:GLN:H	1:29:A:GLN:HG3	3	0.37
(1,1476)	1:29:A:GLN:H	1:29:A:GLN:HG3	5	0.37
(1,1225)	1:40:A:PHE:HD1	1:63:A:LEU:HB3	13	0.37
(1,1225)	1:40:A:PHE:HD2	1:63:A:LEU:HB3	13	0.37
(1,1154)	1:87:A:ARG:HB3	1:87:A:ARG:HD3	19	0.37
(1,1032)	1:131:A:LEU:HD21	1:115:A:ALA:HA	18	0.37
(1,1032)	1:131:A:LEU:HD22	1:115:A:ALA:HA	18	0.37
(1,1032)	1:131:A:LEU:HD23	1:115:A:ALA:HA	18	0.37
(1,1029)	1:147:A:LEU:HD21	1:104:A:ALA:HA	13	0.37
(1,1029)	1:147:A:LEU:HD22	1:104:A:ALA:HA	13	0.37
(1,1029)	1:147:A:LEU:HD23	1:104:A:ALA:HA	13	0.37
(1,962)	1:163:A:LEU:HB3	1:160:A:ASP:HA	3	0.37
(1,962)	1:163:A:LEU:HB3	1:160:A:ASP:HA	14	0.37
(1,962)	1:163:A:LEU:HB3	1:160:A:ASP:HA	16	0.37
(1,962)	1:163:A:LEU:HB3	1:160:A:ASP:HA	20	0.37
(1,874)	1:63:A:LEU:HD21	1:36:A:ARG:HA	15	0.37
(1,874)	1:63:A:LEU:HD22	1:36:A:ARG:HA	15	0.37
(1,874)	1:63:A:LEU:HD23	1:36:A:ARG:HA	15	0.37
(1,802)	1:91:A:SER:HB3	1:91:A:SER:HA	2	0.37
(1,452)	1:23:A:SER:HB3	1:23:A:SER:H	11	0.37
(1,336)	1:127:A:ARG:HB3	1:124:A:ASN:H	13	0.37
(1,283)	1:42:A:ARG:HB3	1:41:A:TYR:H	19	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,252)	1:51:A:GLY:HA3	1:52:A:VAL:H	5	0.37
(1,190)	1:183:A:LEU:HD21	1:125:A:TRP:H	3	0.37
(1,190)	1:183:A:LEU:HD22	1:125:A:TRP:H	3	0.37
(1,190)	1:183:A:LEU:HD23	1:125:A:TRP:H	3	0.37
(1,171)	1:162:A:MET:HB3	1:161:A:PHE:H	1	0.37
(1,127)	1:99:A:HIS:HB3	1:100:A:LEU:H	9	0.37
(1,72)	1:34:A:VAL:HG21	1:38:A:TYR:H	20	0.37
(1,72)	1:34:A:VAL:HG22	1:38:A:TYR:H	20	0.37
(1,72)	1:34:A:VAL:HG23	1:38:A:TYR:H	20	0.37
(2,161)	1:168:A:ALA:O	1:172:A:ALA:N	20	0.36
(2,155)	1:151:A:LEU:O	1:155:A:THR:N	20	0.36
(2,147)	1:110:A:TYR:O	1:114:A:ILE:N	8	0.36
(2,147)	1:110:A:TYR:O	1:114:A:ILE:N	14	0.36
(2,147)	1:110:A:TYR:O	1:114:A:ILE:N	18	0.36
(2,138)	1:39:A:VAL:O	1:43:A:HIS:N	6	0.36
(2,135)	1:35:A:PHE:O	1:39:A:VAL:N	2	0.36
(2,135)	1:35:A:PHE:O	1:39:A:VAL:N	12	0.36
(2,135)	1:35:A:PHE:O	1:39:A:VAL:N	20	0.36
(2,133)	1:33:A:GLU:O	1:37:A:SER:N	11	0.36
(2,132)	1:32:A:GLU:O	1:36:A:ARG:N	9	0.36
(2,132)	1:32:A:GLU:O	1:36:A:ARG:N	11	0.36
(2,132)	1:32:A:GLU:O	1:36:A:ARG:N	15	0.36
(2,129)	1:28:A:ALA:O	1:32:A:GLU:N	13	0.36
(2,129)	1:28:A:ALA:O	1:32:A:GLU:N	15	0.36
(2,129)	1:28:A:ALA:O	1:32:A:GLU:N	18	0.36
(1,3103)	1:89:A:TYR:HD1	2:92:B:MK8:HB1A	1	0.36
(1,3103)	1:89:A:TYR:HD1	2:92:B:MK8:HB1B	1	0.36
(1,3103)	1:89:A:TYR:HD2	2:92:B:MK8:HB1A	1	0.36
(1,3103)	1:89:A:TYR:HD2	2:92:B:MK8:HB1B	1	0.36
(1,3021)	1:114:A:ILE:HG21	2:86:B:ILE:HB	1	0.36
(1,3021)	1:114:A:ILE:HG22	2:86:B:ILE:HB	1	0.36
(1,3021)	1:114:A:ILE:HG23	2:86:B:ILE:HB	1	0.36
(1,2922)	2:92:B:MK8:HB1A	2:93:B:VAL:H	5	0.36
(1,2922)	2:92:B:MK8:HB1B	2:93:B:VAL:H	5	0.36
(1,2922)	2:92:B:MK8:HB1A	2:93:B:VAL:H	20	0.36
(1,2922)	2:92:B:MK8:HB1B	2:93:B:VAL:H	20	0.36
(1,2851)	2:88:B:ARG:HB3	2:88:B:ARG:HG3	14	0.36
(1,2851)	2:88:B:ARG:HB3	2:88:B:ARG:HG3	19	0.36
(1,2728)	2:92:B:MK8:HB1A	2:95:B:ASP:H	16	0.36
(1,2728)	2:92:B:MK8:HB1B	2:95:B:ASP:H	16	0.36
(1,2683)	2:84:B:ARG:HA	2:84:B:ARG:HD3	19	0.36
(1,2574)	1:76:A:ARG:HB3	1:41:A:TYR:HE1	1	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2574)	1:76:A:ARG:HB3	1:41:A:TYR:HE2	1	0.36
(1,2443)	1:153:A:GLN:HB3	1:150:A:PHE:HE1	2	0.36
(1,2443)	1:153:A:GLN:HB3	1:150:A:PHE:HE2	2	0.36
(1,2433)	1:97:A:LEU:HD11	1:93:A:PHE:HE1	20	0.36
(1,2433)	1:97:A:LEU:HD11	1:93:A:PHE:HE2	20	0.36
(1,2433)	1:97:A:LEU:HD12	1:93:A:PHE:HE1	20	0.36
(1,2433)	1:97:A:LEU:HD12	1:93:A:PHE:HE2	20	0.36
(1,2433)	1:97:A:LEU:HD13	1:93:A:PHE:HE1	20	0.36
(1,2433)	1:97:A:LEU:HD13	1:93:A:PHE:HE2	20	0.36
(1,2417)	1:136:A:TYR:HB3	1:35:A:PHE:HE1	13	0.36
(1,2417)	1:136:A:TYR:HB3	1:35:A:PHE:HE2	13	0.36
(1,2346)	1:42:A:ARG:HD3	1:43:A:HIS:HE1	13	0.36
(1,2345)	1:163:A:LEU:HB3	1:164:A:HIS:HE1	4	0.36
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB1	15	0.36
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB2	15	0.36
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB3	15	0.36
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB1	15	0.36
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB2	15	0.36
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB3	15	0.36
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB1	15	0.36
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB2	15	0.36
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB3	15	0.36
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB1	18	0.36
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB2	18	0.36
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB3	18	0.36
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB1	18	0.36
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB2	18	0.36
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB3	18	0.36
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB1	18	0.36
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB2	18	0.36
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB3	18	0.36
(1,2129)	1:175:A:GLY:HA2	1:179:A:ALA:HB1	8	0.36
(1,2129)	1:175:A:GLY:HA2	1:179:A:ALA:HB2	8	0.36
(1,2129)	1:175:A:GLY:HA2	1:179:A:ALA:HB3	8	0.36
(1,2094)	1:177:A:TRP:HZ3	1:34:A:VAL:HG21	5	0.36
(1,2094)	1:177:A:TRP:HZ3	1:34:A:VAL:HG22	5	0.36
(1,2094)	1:177:A:TRP:HZ3	1:34:A:VAL:HG23	5	0.36
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG21	16	0.36
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG22	16	0.36
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG23	16	0.36
(1,1988)	1:118:A:LEU:HA	1:118:A:LEU:HD11	3	0.36
(1,1988)	1:118:A:LEU:HA	1:118:A:LEU:HD12	3	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1988)	1:118:A:LEU:HA	1:118:A:LEU:HD13	3	0.36
(1,1988)	1:118:A:LEU:HA	1:118:A:LEU:HD11	4	0.36
(1,1988)	1:118:A:LEU:HA	1:118:A:LEU:HD12	4	0.36
(1,1988)	1:118:A:LEU:HA	1:118:A:LEU:HD13	4	0.36
(1,1988)	1:118:A:LEU:HA	1:118:A:LEU:HD11	6	0.36
(1,1988)	1:118:A:LEU:HA	1:118:A:LEU:HD12	6	0.36
(1,1988)	1:118:A:LEU:HA	1:118:A:LEU:HD13	6	0.36
(1,1988)	1:118:A:LEU:HA	1:118:A:LEU:HD11	12	0.36
(1,1988)	1:118:A:LEU:HA	1:118:A:LEU:HD12	12	0.36
(1,1988)	1:118:A:LEU:HA	1:118:A:LEU:HD13	12	0.36
(1,1988)	1:118:A:LEU:HA	1:118:A:LEU:HD11	17	0.36
(1,1988)	1:118:A:LEU:HA	1:118:A:LEU:HD12	17	0.36
(1,1988)	1:118:A:LEU:HA	1:118:A:LEU:HD13	17	0.36
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG11	19	0.36
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG12	19	0.36
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG13	19	0.36
(1,1869)	1:181:A:LEU:H	1:181:A:LEU:HD11	12	0.36
(1,1869)	1:181:A:LEU:H	1:181:A:LEU:HD12	12	0.36
(1,1869)	1:181:A:LEU:H	1:181:A:LEU:HD13	12	0.36
(1,1836)	1:175:A:GLY:H	1:174:A:ARG:HG3	9	0.36
(1,1827)	1:162:A:MET:HE1	1:131:A:LEU:HD11	12	0.36
(1,1827)	1:162:A:MET:HE1	1:131:A:LEU:HD12	12	0.36
(1,1827)	1:162:A:MET:HE1	1:131:A:LEU:HD13	12	0.36
(1,1827)	1:162:A:MET:HE2	1:131:A:LEU:HD11	12	0.36
(1,1827)	1:162:A:MET:HE2	1:131:A:LEU:HD12	12	0.36
(1,1827)	1:162:A:MET:HE2	1:131:A:LEU:HD13	12	0.36
(1,1827)	1:162:A:MET:HE3	1:131:A:LEU:HD11	12	0.36
(1,1827)	1:162:A:MET:HE3	1:131:A:LEU:HD12	12	0.36
(1,1827)	1:162:A:MET:HE3	1:131:A:LEU:HD13	12	0.36
(1,1827)	1:162:A:MET:HE1	1:131:A:LEU:HD11	19	0.36
(1,1827)	1:162:A:MET:HE1	1:131:A:LEU:HD12	19	0.36
(1,1827)	1:162:A:MET:HE1	1:131:A:LEU:HD13	19	0.36
(1,1827)	1:162:A:MET:HE2	1:131:A:LEU:HD11	19	0.36
(1,1827)	1:162:A:MET:HE2	1:131:A:LEU:HD12	19	0.36
(1,1827)	1:162:A:MET:HE2	1:131:A:LEU:HD13	19	0.36
(1,1827)	1:162:A:MET:HE3	1:131:A:LEU:HD11	19	0.36
(1,1827)	1:162:A:MET:HE3	1:131:A:LEU:HD12	19	0.36
(1,1827)	1:162:A:MET:HE3	1:131:A:LEU:HD13	19	0.36
(1,1709)	1:98:A:GLN:HE22	1:98:A:GLN:HB3	17	0.36
(1,1676)	1:101:A:GLN:HG3	1:99:A:HIS:HB3	2	0.36
(1,1485)	1:185:A:ASN:H	1:77:A:GLN:HG3	8	0.36
(1,1449)	1:109:A:GLU:H	1:109:A:GLU:HG3	14	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1297)	1:85:A:ILE:H	1:84:A:ASP:HB3	3	0.36
(1,1156)	1:156:A:ARG:H	1:156:A:ARG:HD3	11	0.36
(1,1136)	1:50:A:GLU:HB3	1:51:A:GLY:HA3	12	0.36
(1,1128)	1:155:A:THR:HB	1:152:A:GLY:HA3	11	0.36
(1,1095)	1:110:A:TYR:HE1	1:102:A:PRO:HD3	2	0.36
(1,1095)	1:110:A:TYR:HE2	1:102:A:PRO:HD3	2	0.36
(1,1027)	1:27:A:VAL:HG21	1:168:A:ALA:HA	2	0.36
(1,1027)	1:27:A:VAL:HG22	1:168:A:ALA:HA	2	0.36
(1,1027)	1:27:A:VAL:HG23	1:168:A:ALA:HA	2	0.36
(1,1016)	1:183:A:LEU:HD11	1:183:A:LEU:HA	1	0.36
(1,1016)	1:183:A:LEU:HD12	1:183:A:LEU:HA	1	0.36
(1,1016)	1:183:A:LEU:HD13	1:183:A:LEU:HA	1	0.36
(1,981)	1:101:A:GLN:HG3	1:99:A:HIS:HA	16	0.36
(1,962)	1:163:A:LEU:HB3	1:160:A:ASP:HA	17	0.36
(1,934)	1:159:A:VAL:HG11	1:156:A:ARG:HA	11	0.36
(1,934)	1:159:A:VAL:HG12	1:156:A:ARG:HA	11	0.36
(1,934)	1:159:A:VAL:HG13	1:156:A:ARG:HA	11	0.36
(1,934)	1:159:A:VAL:HG11	1:156:A:ARG:HA	19	0.36
(1,934)	1:159:A:VAL:HG12	1:156:A:ARG:HA	19	0.36
(1,934)	1:159:A:VAL:HG13	1:156:A:ARG:HA	19	0.36
(1,896)	1:142:A:VAL:HG21	1:103:A:THR:HA	1	0.36
(1,896)	1:142:A:VAL:HG22	1:103:A:THR:HA	1	0.36
(1,896)	1:142:A:VAL:HG23	1:103:A:THR:HA	1	0.36
(1,767)	1:40:A:PHE:HB3	1:37:A:SER:HB3	20	0.36
(1,648)	1:159:A:VAL:HG21	1:159:A:VAL:HA	5	0.36
(1,648)	1:159:A:VAL:HG22	1:159:A:VAL:HA	5	0.36
(1,648)	1:159:A:VAL:HG23	1:159:A:VAL:HA	5	0.36
(1,538)	1:22:A:ALA:HA	1:26:A:GLN:HE22	19	0.36
(1,513)	1:150:A:PHE:HA	1:153:A:GLN:HE22	12	0.36
(1,509)	1:77:A:GLN:HB3	1:77:A:GLN:HE21	17	0.36
(1,475)	1:152:A:GLY:HA3	1:155:A:THR:H	7	0.36
(1,475)	1:152:A:GLY:HA3	1:155:A:THR:H	13	0.36
(1,336)	1:127:A:ARG:HB3	1:124:A:ASN:H	10	0.36
(1,318)	1:27:A:VAL:HG11	1:177:A:TRP:H	15	0.36
(1,318)	1:27:A:VAL:HG12	1:177:A:TRP:H	15	0.36
(1,318)	1:27:A:VAL:HG13	1:177:A:TRP:H	15	0.36
(1,283)	1:42:A:ARG:HB3	1:41:A:TYR:H	8	0.36
(1,234)	1:163:A:LEU:HB3	1:163:A:LEU:H	19	0.36
(1,180)	1:46:A:GLU:HB3	1:46:A:GLU:H	2	0.36
(1,74)	1:63:A:LEU:HD11	1:65:A:LEU:H	1	0.36
(1,74)	1:63:A:LEU:HD12	1:65:A:LEU:H	1	0.36
(1,74)	1:63:A:LEU:HD13	1:65:A:LEU:H	1	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,72)	1:34:A:VAL:HG21	1:38:A:TYR:H	2	0.36
(1,72)	1:34:A:VAL:HG22	1:38:A:TYR:H	2	0.36
(1,72)	1:34:A:VAL:HG23	1:38:A:TYR:H	2	0.36
(1,72)	1:34:A:VAL:HG21	1:38:A:TYR:H	9	0.36
(1,72)	1:34:A:VAL:HG22	1:38:A:TYR:H	9	0.36
(1,72)	1:34:A:VAL:HG23	1:38:A:TYR:H	9	0.36
(2,161)	1:168:A:ALA:O	1:172:A:ALA:N	2	0.35
(2,161)	1:168:A:ALA:O	1:172:A:ALA:N	4	0.35
(2,160)	1:159:A:VAL:O	1:163:A:LEU:N	15	0.35
(2,155)	1:151:A:LEU:O	1:155:A:THR:N	3	0.35
(2,155)	1:151:A:LEU:O	1:155:A:THR:N	6	0.35
(2,147)	1:110:A:TYR:O	1:114:A:ILE:N	4	0.35
(2,147)	1:110:A:TYR:O	1:114:A:ILE:N	16	0.35
(2,147)	1:110:A:TYR:O	1:114:A:ILE:N	17	0.35
(2,147)	1:110:A:TYR:O	1:114:A:ILE:N	19	0.35
(2,145)	1:106:A:ASN:O	1:110:A:TYR:N	10	0.35
(2,143)	1:93:A:PHE:O	1:97:A:LEU:N	11	0.35
(2,138)	1:39:A:VAL:O	1:43:A:HIS:N	16	0.35
(2,135)	1:35:A:PHE:O	1:39:A:VAL:N	5	0.35
(2,133)	1:33:A:GLU:O	1:37:A:SER:N	8	0.35
(2,133)	1:33:A:GLU:O	1:37:A:SER:N	15	0.35
(2,133)	1:33:A:GLU:O	1:37:A:SER:N	16	0.35
(2,133)	1:33:A:GLU:O	1:37:A:SER:N	18	0.35
(2,132)	1:32:A:GLU:O	1:36:A:ARG:N	2	0.35
(2,132)	1:32:A:GLU:O	1:36:A:ARG:N	7	0.35
(2,132)	1:32:A:GLU:O	1:36:A:ARG:N	10	0.35
(2,132)	1:32:A:GLU:O	1:36:A:ARG:N	17	0.35
(2,129)	1:28:A:ALA:O	1:32:A:GLU:N	5	0.35
(2,129)	1:28:A:ALA:O	1:32:A:GLU:N	8	0.35
(2,129)	1:28:A:ALA:O	1:32:A:GLU:N	14	0.35
(2,127)	1:24:A:GLU:O	1:28:A:ALA:N	20	0.35
(1,3103)	1:89:A:TYR:HD1	2:92:B:MK8:HB1A	5	0.35
(1,3103)	1:89:A:TYR:HD1	2:92:B:MK8:HB1B	5	0.35
(1,3103)	1:89:A:TYR:HD2	2:92:B:MK8:HB1A	5	0.35
(1,3103)	1:89:A:TYR:HD2	2:92:B:MK8:HB1B	5	0.35
(1,2894)	2:84:B:ARG:HG3	2:85:B:ASN:H	3	0.35
(1,2779)	2:88:B:ARG:HB3	2:88:B:ARG:HD3	13	0.35
(1,2447)	1:131:A:LEU:HB3	1:119:A:PHE:HE1	20	0.35
(1,2447)	1:131:A:LEU:HB3	1:119:A:PHE:HE2	20	0.35
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB1	8	0.35
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB2	8	0.35
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB3	8	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB1	8	0.35
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB2	8	0.35
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB3	8	0.35
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB1	8	0.35
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB2	8	0.35
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB3	8	0.35
(1,2021)	1:35:A:PHE:HB3	1:132:A:LEU:HD11	6	0.35
(1,2021)	1:35:A:PHE:HB3	1:132:A:LEU:HD12	6	0.35
(1,2021)	1:35:A:PHE:HB3	1:132:A:LEU:HD13	6	0.35
(1,2021)	1:35:A:PHE:HB3	1:132:A:LEU:HD21	6	0.35
(1,2021)	1:35:A:PHE:HB3	1:132:A:LEU:HD22	6	0.35
(1,2021)	1:35:A:PHE:HB3	1:132:A:LEU:HD23	6	0.35
(1,2013)	1:31:A:THR:HB	1:159:A:VAL:HG11	6	0.35
(1,2013)	1:31:A:THR:HB	1:159:A:VAL:HG12	6	0.35
(1,2013)	1:31:A:THR:HB	1:159:A:VAL:HG13	6	0.35
(1,1986)	1:35:A:PHE:HD1	1:39:A:VAL:HG21	3	0.35
(1,1986)	1:35:A:PHE:HD1	1:39:A:VAL:HG22	3	0.35
(1,1986)	1:35:A:PHE:HD1	1:39:A:VAL:HG23	3	0.35
(1,1986)	1:35:A:PHE:HD2	1:39:A:VAL:HG21	3	0.35
(1,1986)	1:35:A:PHE:HD2	1:39:A:VAL:HG22	3	0.35
(1,1986)	1:35:A:PHE:HD2	1:39:A:VAL:HG23	3	0.35
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG21	9	0.35
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG22	9	0.35
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG23	9	0.35
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG21	9	0.35
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG22	9	0.35
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG23	9	0.35
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG21	9	0.35
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG22	9	0.35
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG23	9	0.35
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG11	16	0.35
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG12	16	0.35
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG13	16	0.35
(1,1904)	1:125:A:TRP:HZ2	1:183:A:LEU:HD21	20	0.35
(1,1904)	1:125:A:TRP:HZ2	1:183:A:LEU:HD22	20	0.35
(1,1904)	1:125:A:TRP:HZ2	1:183:A:LEU:HD23	20	0.35
(1,1874)	1:65:A:LEU:HD11	1:63:A:LEU:HD11	9	0.35
(1,1874)	1:65:A:LEU:HD11	1:63:A:LEU:HD12	9	0.35
(1,1874)	1:65:A:LEU:HD11	1:63:A:LEU:HD13	9	0.35
(1,1874)	1:65:A:LEU:HD12	1:63:A:LEU:HD11	9	0.35
(1,1874)	1:65:A:LEU:HD12	1:63:A:LEU:HD12	9	0.35
(1,1874)	1:65:A:LEU:HD12	1:63:A:LEU:HD13	9	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1874)	1:65:A:LEU:HD13	1:63:A:LEU:HD11	9	0.35
(1,1874)	1:65:A:LEU:HD13	1:63:A:LEU:HD12	9	0.35
(1,1874)	1:65:A:LEU:HD13	1:63:A:LEU:HD13	9	0.35
(1,1874)	1:65:A:LEU:HD21	1:63:A:LEU:HD11	9	0.35
(1,1874)	1:65:A:LEU:HD21	1:63:A:LEU:HD12	9	0.35
(1,1874)	1:65:A:LEU:HD21	1:63:A:LEU:HD13	9	0.35
(1,1874)	1:65:A:LEU:HD22	1:63:A:LEU:HD11	9	0.35
(1,1874)	1:65:A:LEU:HD22	1:63:A:LEU:HD12	9	0.35
(1,1874)	1:65:A:LEU:HD22	1:63:A:LEU:HD13	9	0.35
(1,1874)	1:65:A:LEU:HD23	1:63:A:LEU:HD11	9	0.35
(1,1874)	1:65:A:LEU:HD23	1:63:A:LEU:HD12	9	0.35
(1,1874)	1:65:A:LEU:HD23	1:63:A:LEU:HD13	9	0.35
(1,1836)	1:175:A:GLY:H	1:174:A:ARG:HG3	11	0.35
(1,1836)	1:175:A:GLY:H	1:174:A:ARG:HG3	16	0.35
(1,1766)	1:20:A:PRO:HD3	1:19:A:LEU:HG	11	0.35
(1,1427)	1:92:A:GLU:HA	1:92:A:GLU:HG3	9	0.35
(1,1395)	1:46:A:GLU:H	1:46:A:GLU:HG3	11	0.35
(1,1189)	1:159:A:VAL:HG11	1:156:A:ARG:HD3	18	0.35
(1,1189)	1:159:A:VAL:HG12	1:156:A:ARG:HD3	18	0.35
(1,1189)	1:159:A:VAL:HG13	1:156:A:ARG:HD3	18	0.35
(1,1095)	1:110:A:TYR:HE1	1:102:A:PRO:HD3	1	0.35
(1,1095)	1:110:A:TYR:HE2	1:102:A:PRO:HD3	1	0.35
(1,1032)	1:131:A:LEU:HD21	1:115:A:ALA:HA	12	0.35
(1,1032)	1:131:A:LEU:HD22	1:115:A:ALA:HA	12	0.35
(1,1032)	1:131:A:LEU:HD23	1:115:A:ALA:HA	12	0.35
(1,543)	1:181:A:LEU:HD11	1:73:A:GLN:HE21	1	0.35
(1,543)	1:181:A:LEU:HD12	1:73:A:GLN:HE21	1	0.35
(1,543)	1:181:A:LEU:HD13	1:73:A:GLN:HE21	1	0.35
(1,542)	1:172:A:ALA:HB1	1:173:A:GLN:HE22	20	0.35
(1,542)	1:172:A:ALA:HB2	1:173:A:GLN:HE22	20	0.35
(1,542)	1:172:A:ALA:HB3	1:173:A:GLN:HE22	20	0.35
(1,379)	1:50:A:GLU:HB3	1:50:A:GLU:H	2	0.35
(1,318)	1:27:A:VAL:HG11	1:177:A:TRP:H	7	0.35
(1,318)	1:27:A:VAL:HG12	1:177:A:TRP:H	7	0.35
(1,318)	1:27:A:VAL:HG13	1:177:A:TRP:H	7	0.35
(1,180)	1:46:A:GLU:HB3	1:46:A:GLU:H	16	0.35
(1,72)	1:34:A:VAL:HG21	1:38:A:TYR:H	8	0.35
(1,72)	1:34:A:VAL:HG22	1:38:A:TYR:H	8	0.35
(1,72)	1:34:A:VAL:HG23	1:38:A:TYR:H	8	0.35
(1,72)	1:34:A:VAL:HG21	1:38:A:TYR:H	17	0.35
(1,72)	1:34:A:VAL:HG22	1:38:A:TYR:H	17	0.35
(1,72)	1:34:A:VAL:HG23	1:38:A:TYR:H	17	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,160)	1:159:A:VAL:O	1:163:A:LEU:N	18	0.34
(2,148)	1:111:A:PHE:O	1:115:A:ALA:N	3	0.34
(2,147)	1:110:A:TYR:O	1:114:A:ILE:N	2	0.34
(2,147)	1:110:A:TYR:O	1:114:A:ILE:N	11	0.34
(2,147)	1:110:A:TYR:O	1:114:A:ILE:N	15	0.34
(2,138)	1:39:A:VAL:O	1:43:A:HIS:N	19	0.34
(2,133)	1:33:A:GLU:O	1:37:A:SER:N	1	0.34
(2,133)	1:33:A:GLU:O	1:37:A:SER:N	6	0.34
(2,133)	1:33:A:GLU:O	1:37:A:SER:N	9	0.34
(2,133)	1:33:A:GLU:O	1:37:A:SER:N	10	0.34
(2,133)	1:33:A:GLU:O	1:37:A:SER:N	17	0.34
(2,133)	1:33:A:GLU:O	1:37:A:SER:N	19	0.34
(2,132)	1:32:A:GLU:O	1:36:A:ARG:N	13	0.34
(2,129)	1:28:A:ALA:O	1:32:A:GLU:N	7	0.34
(1,3011)	1:100:A:LEU:HD21	2:82:B:ILE:HD11	8	0.34
(1,3011)	1:100:A:LEU:HD21	2:82:B:ILE:HD12	8	0.34
(1,3011)	1:100:A:LEU:HD21	2:82:B:ILE:HD13	8	0.34
(1,3011)	1:100:A:LEU:HD22	2:82:B:ILE:HD11	8	0.34
(1,3011)	1:100:A:LEU:HD22	2:82:B:ILE:HD12	8	0.34
(1,3011)	1:100:A:LEU:HD22	2:82:B:ILE:HD13	8	0.34
(1,3011)	1:100:A:LEU:HD23	2:82:B:ILE:HD11	8	0.34
(1,3011)	1:100:A:LEU:HD23	2:82:B:ILE:HD12	8	0.34
(1,3011)	1:100:A:LEU:HD23	2:82:B:ILE:HD13	8	0.34
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD11	16	0.34
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD12	16	0.34
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD13	16	0.34
(1,2965)	1:113:A:LYS:HB3	2:86:B:ILE:HD11	12	0.34
(1,2965)	1:113:A:LYS:HB3	2:86:B:ILE:HD12	12	0.34
(1,2965)	1:113:A:LYS:HB3	2:86:B:ILE:HD13	12	0.34
(1,2939)	2:99:B:ARG:HG3	2:100:B:SER:H	3	0.34
(1,2888)	2:83:B:ILE:H	2:83:B:ILE:HG13	11	0.34
(1,2803)	2:84:B:ARG:HB3	2:84:B:ARG:HD3	12	0.34
(1,2593)	1:55:A:PRO:HD3	1:136:A:TYR:HE1	12	0.34
(1,2593)	1:55:A:PRO:HD3	1:136:A:TYR:HE2	12	0.34
(1,2354)	1:76:A:ARG:HB3	1:41:A:TYR:HD1	18	0.34
(1,2354)	1:76:A:ARG:HB3	1:41:A:TYR:HD2	18	0.34
(1,2185)	1:183:A:LEU:HD21	1:180:A:ALA:HB1	16	0.34
(1,2185)	1:183:A:LEU:HD21	1:180:A:ALA:HB2	16	0.34
(1,2185)	1:183:A:LEU:HD21	1:180:A:ALA:HB3	16	0.34
(1,2185)	1:183:A:LEU:HD22	1:180:A:ALA:HB1	16	0.34
(1,2185)	1:183:A:LEU:HD22	1:180:A:ALA:HB2	16	0.34
(1,2185)	1:183:A:LEU:HD22	1:180:A:ALA:HB3	16	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2185)	1:183:A:LEU:HD23	1:180:A:ALA:HB1	16	0.34
(1,2185)	1:183:A:LEU:HD23	1:180:A:ALA:HB2	16	0.34
(1,2185)	1:183:A:LEU:HD23	1:180:A:ALA:HB3	16	0.34
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG21	18	0.34
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG22	18	0.34
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG23	18	0.34
(1,2094)	1:177:A:TRP:HZ3	1:34:A:VAL:HG21	14	0.34
(1,2094)	1:177:A:TRP:HZ3	1:34:A:VAL:HG22	14	0.34
(1,2094)	1:177:A:TRP:HZ3	1:34:A:VAL:HG23	14	0.34
(1,2094)	1:177:A:TRP:HZ3	1:34:A:VAL:HG21	18	0.34
(1,2094)	1:177:A:TRP:HZ3	1:34:A:VAL:HG22	18	0.34
(1,2094)	1:177:A:TRP:HZ3	1:34:A:VAL:HG23	18	0.34
(1,2087)	1:150:A:PHE:HE1	1:142:A:VAL:HG11	10	0.34
(1,2087)	1:150:A:PHE:HE1	1:142:A:VAL:HG12	10	0.34
(1,2087)	1:150:A:PHE:HE1	1:142:A:VAL:HG13	10	0.34
(1,2087)	1:150:A:PHE:HE2	1:142:A:VAL:HG11	10	0.34
(1,2087)	1:150:A:PHE:HE2	1:142:A:VAL:HG12	10	0.34
(1,2087)	1:150:A:PHE:HE2	1:142:A:VAL:HG13	10	0.34
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG21	11	0.34
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG22	11	0.34
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG23	11	0.34
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG11	3	0.34
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG12	3	0.34
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG13	3	0.34
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG11	7	0.34
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG12	7	0.34
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG13	7	0.34
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG11	9	0.34
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG12	9	0.34
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG13	9	0.34
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG11	13	0.34
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG12	13	0.34
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG13	13	0.34
(1,1904)	1:125:A:TRP:HZ2	1:183:A:LEU:HD21	2	0.34
(1,1904)	1:125:A:TRP:HZ2	1:183:A:LEU:HD22	2	0.34
(1,1904)	1:125:A:TRP:HZ2	1:183:A:LEU:HD23	2	0.34
(1,1870)	1:63:A:LEU:H	1:63:A:LEU:HD11	9	0.34
(1,1870)	1:63:A:LEU:H	1:63:A:LEU:HD12	9	0.34
(1,1870)	1:63:A:LEU:H	1:63:A:LEU:HD13	9	0.34
(1,1869)	1:181:A:LEU:H	1:181:A:LEU:HD11	2	0.34
(1,1869)	1:181:A:LEU:H	1:181:A:LEU:HD12	2	0.34
(1,1869)	1:181:A:LEU:H	1:181:A:LEU:HD13	2	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1869)	1:181:A:LEU:H	1:181:A:LEU:HD11	6	0.34
(1,1869)	1:181:A:LEU:H	1:181:A:LEU:HD12	6	0.34
(1,1869)	1:181:A:LEU:H	1:181:A:LEU:HD13	6	0.34
(1,1836)	1:175:A:GLY:H	1:174:A:ARG:HG3	5	0.34
(1,1764)	1:19:A:LEU:HA	1:19:A:LEU:HG	7	0.34
(1,1755)	1:56:A:ALA:H	1:55:A:PRO:HG3	10	0.34
(1,1549)	1:61:A:VAL:HG11	1:60:A:MET:HB3	5	0.34
(1,1549)	1:61:A:VAL:HG12	1:60:A:MET:HB3	5	0.34
(1,1549)	1:61:A:VAL:HG13	1:60:A:MET:HB3	5	0.34
(1,1482)	1:45:A:GLN:HB3	1:45:A:GLN:HG3	1	0.34
(1,1482)	1:45:A:GLN:HB3	1:45:A:GLN:HG3	2	0.34
(1,1482)	1:45:A:GLN:HB3	1:45:A:GLN:HG3	3	0.34
(1,1482)	1:45:A:GLN:HB3	1:45:A:GLN:HG3	4	0.34
(1,1482)	1:45:A:GLN:HB3	1:45:A:GLN:HG3	5	0.34
(1,1482)	1:45:A:GLN:HB3	1:45:A:GLN:HG3	6	0.34
(1,1482)	1:45:A:GLN:HB3	1:45:A:GLN:HG3	7	0.34
(1,1482)	1:45:A:GLN:HB3	1:45:A:GLN:HG3	8	0.34
(1,1482)	1:45:A:GLN:HB3	1:45:A:GLN:HG3	14	0.34
(1,1482)	1:45:A:GLN:HB3	1:45:A:GLN:HG3	16	0.34
(1,1482)	1:45:A:GLN:HB3	1:45:A:GLN:HG3	19	0.34
(1,1482)	1:45:A:GLN:HB3	1:45:A:GLN:HG3	20	0.34
(1,1476)	1:29:A:GLN:H	1:29:A:GLN:HG3	11	0.34
(1,1467)	1:61:A:VAL:HA	1:60:A:MET:HG3	1	0.34
(1,1464)	1:101:A:GLN:HA	1:101:A:GLN:HG3	1	0.34
(1,1427)	1:92:A:GLU:HA	1:92:A:GLU:HG3	19	0.34
(1,1297)	1:85:A:ILE:H	1:84:A:ASP:HB3	10	0.34
(1,1050)	1:19:A:LEU:HD21	1:19:A:LEU:HA	7	0.34
(1,1050)	1:19:A:LEU:HD22	1:19:A:LEU:HA	7	0.34
(1,1050)	1:19:A:LEU:HD23	1:19:A:LEU:HA	7	0.34
(1,1032)	1:131:A:LEU:HD21	1:115:A:ALA:HA	15	0.34
(1,1032)	1:131:A:LEU:HD22	1:115:A:ALA:HA	15	0.34
(1,1032)	1:131:A:LEU:HD23	1:115:A:ALA:HA	15	0.34
(1,919)	1:21:A:SER:HB3	1:21:A:SER:HA	13	0.34
(1,839)	1:63:A:LEU:HB3	1:62:A:THR:HA	3	0.34
(1,813)	1:92:A:GLU:HG3	1:91:A:SER:HB3	3	0.34
(1,802)	1:91:A:SER:HB3	1:91:A:SER:HA	16	0.34
(1,475)	1:152:A:GLY:HA3	1:155:A:THR:H	15	0.34
(1,443)	1:181:A:LEU:HB3	1:182:A:ASN:H	1	0.34
(1,379)	1:50:A:GLU:HB3	1:50:A:GLU:H	11	0.34
(1,318)	1:27:A:VAL:HG11	1:177:A:TRP:H	13	0.34
(1,318)	1:27:A:VAL:HG12	1:177:A:TRP:H	13	0.34
(1,318)	1:27:A:VAL:HG13	1:177:A:TRP:H	13	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,171)	1:162:A:MET:HB3	1:161:A:PHE:H	10	0.34
(1,72)	1:34:A:VAL:HG21	1:38:A:TYR:H	12	0.34
(1,72)	1:34:A:VAL:HG22	1:38:A:TYR:H	12	0.34
(1,72)	1:34:A:VAL:HG23	1:38:A:TYR:H	12	0.34
(1,72)	1:34:A:VAL:HG21	1:38:A:TYR:H	14	0.34
(1,72)	1:34:A:VAL:HG22	1:38:A:TYR:H	14	0.34
(1,72)	1:34:A:VAL:HG23	1:38:A:TYR:H	14	0.34
(2,161)	1:168:A:ALA:O	1:172:A:ALA:N	3	0.33
(2,161)	1:168:A:ALA:O	1:172:A:ALA:N	6	0.33
(2,160)	1:159:A:VAL:O	1:163:A:LEU:N	17	0.33
(2,159)	1:158:A:VAL:O	1:162:A:MET:N	4	0.33
(2,155)	1:151:A:LEU:O	1:155:A:THR:N	5	0.33
(2,155)	1:151:A:LEU:O	1:155:A:THR:N	10	0.33
(2,155)	1:151:A:LEU:O	1:155:A:THR:N	15	0.33
(2,149)	1:112:A:THR:O	1:116:A:THR:N	3	0.33
(2,149)	1:112:A:THR:O	1:116:A:THR:N	4	0.33
(2,149)	1:112:A:THR:O	1:116:A:THR:N	5	0.33
(2,149)	1:112:A:THR:O	1:116:A:THR:N	14	0.33
(2,148)	1:111:A:PHE:O	1:115:A:ALA:N	5	0.33
(2,148)	1:111:A:PHE:O	1:115:A:ALA:N	8	0.33
(2,148)	1:111:A:PHE:O	1:115:A:ALA:N	14	0.33
(2,148)	1:111:A:PHE:O	1:115:A:ALA:N	20	0.33
(2,147)	1:110:A:TYR:O	1:114:A:ILE:N	3	0.33
(2,147)	1:110:A:TYR:O	1:114:A:ILE:N	6	0.33
(2,147)	1:110:A:TYR:O	1:114:A:ILE:N	7	0.33
(2,147)	1:110:A:TYR:O	1:114:A:ILE:N	12	0.33
(2,147)	1:110:A:TYR:O	1:114:A:ILE:N	13	0.33
(2,145)	1:106:A:ASN:O	1:110:A:TYR:N	18	0.33
(2,143)	1:93:A:PHE:O	1:97:A:LEU:N	9	0.33
(2,143)	1:93:A:PHE:O	1:97:A:LEU:N	15	0.33
(2,133)	1:33:A:GLU:O	1:37:A:SER:N	2	0.33
(1,3011)	1:100:A:LEU:HD21	2:82:B:ILE:HD11	6	0.33
(1,3011)	1:100:A:LEU:HD21	2:82:B:ILE:HD12	6	0.33
(1,3011)	1:100:A:LEU:HD21	2:82:B:ILE:HD13	6	0.33
(1,3011)	1:100:A:LEU:HD22	2:82:B:ILE:HD11	6	0.33
(1,3011)	1:100:A:LEU:HD22	2:82:B:ILE:HD12	6	0.33
(1,3011)	1:100:A:LEU:HD22	2:82:B:ILE:HD13	6	0.33
(1,3011)	1:100:A:LEU:HD23	2:82:B:ILE:HD11	6	0.33
(1,3011)	1:100:A:LEU:HD23	2:82:B:ILE:HD12	6	0.33
(1,3011)	1:100:A:LEU:HD23	2:82:B:ILE:HD13	6	0.33
(1,3011)	1:100:A:LEU:HD21	2:82:B:ILE:HD11	16	0.33
(1,3011)	1:100:A:LEU:HD21	2:82:B:ILE:HD12	16	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3011)	1:100:A:LEU:HD21	2:82:B:ILE:HD13	16	0.33
(1,3011)	1:100:A:LEU:HD22	2:82:B:ILE:HD11	16	0.33
(1,3011)	1:100:A:LEU:HD22	2:82:B:ILE:HD12	16	0.33
(1,3011)	1:100:A:LEU:HD22	2:82:B:ILE:HD13	16	0.33
(1,3011)	1:100:A:LEU:HD23	2:82:B:ILE:HD11	16	0.33
(1,3011)	1:100:A:LEU:HD23	2:82:B:ILE:HD12	16	0.33
(1,3011)	1:100:A:LEU:HD23	2:82:B:ILE:HD13	16	0.33
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD11	2	0.33
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD12	2	0.33
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD13	2	0.33
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD11	9	0.33
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD12	9	0.33
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD13	9	0.33
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD11	17	0.33
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD12	17	0.33
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD13	17	0.33
(1,2965)	1:113:A:LYS:HB3	2:86:B:ILE:HD11	11	0.33
(1,2965)	1:113:A:LYS:HB3	2:86:B:ILE:HD12	11	0.33
(1,2965)	1:113:A:LYS:HB3	2:86:B:ILE:HD13	11	0.33
(1,2922)	2:92:B:MK8:HB1A	2:93:B:VAL:H	1	0.33
(1,2922)	2:92:B:MK8:HB1B	2:93:B:VAL:H	1	0.33
(1,2922)	2:92:B:MK8:HB1A	2:93:B:VAL:H	11	0.33
(1,2922)	2:92:B:MK8:HB1B	2:93:B:VAL:H	11	0.33
(1,2922)	2:92:B:MK8:HB1A	2:93:B:VAL:H	17	0.33
(1,2922)	2:92:B:MK8:HB1B	2:93:B:VAL:H	17	0.33
(1,2894)	2:84:B:ARG:HG3	2:85:B:ASN:H	19	0.33
(1,2683)	2:84:B:ARG:HA	2:84:B:ARG:HD3	17	0.33
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG21	7	0.33
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG22	7	0.33
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG23	7	0.33
(1,2016)	1:32:A:GLU:H	1:159:A:VAL:HG11	7	0.33
(1,2016)	1:32:A:GLU:H	1:159:A:VAL:HG12	7	0.33
(1,2016)	1:32:A:GLU:H	1:159:A:VAL:HG13	7	0.33
(1,1995)	1:97:A:LEU:HA	1:100:A:LEU:HD21	9	0.33
(1,1995)	1:97:A:LEU:HA	1:100:A:LEU:HD22	9	0.33
(1,1995)	1:97:A:LEU:HA	1:100:A:LEU:HD23	9	0.33
(1,1978)	1:35:A:PHE:HE1	1:39:A:VAL:HG21	5	0.33
(1,1978)	1:35:A:PHE:HE1	1:39:A:VAL:HG22	5	0.33
(1,1978)	1:35:A:PHE:HE1	1:39:A:VAL:HG23	5	0.33
(1,1978)	1:35:A:PHE:HE2	1:39:A:VAL:HG21	5	0.33
(1,1978)	1:35:A:PHE:HE2	1:39:A:VAL:HG22	5	0.33
(1,1978)	1:35:A:PHE:HE2	1:39:A:VAL:HG23	5	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1946)	1:110:A:TYR:HA	1:100:A:LEU:HD21	15	0.33
(1,1946)	1:110:A:TYR:HA	1:100:A:LEU:HD22	15	0.33
(1,1946)	1:110:A:TYR:HA	1:100:A:LEU:HD23	15	0.33
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG11	7	0.33
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG12	7	0.33
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG13	7	0.33
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG11	8	0.33
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG12	8	0.33
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG13	8	0.33
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG11	10	0.33
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG12	10	0.33
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG13	10	0.33
(1,1874)	1:65:A:LEU:HD11	1:63:A:LEU:HD11	15	0.33
(1,1874)	1:65:A:LEU:HD11	1:63:A:LEU:HD12	15	0.33
(1,1874)	1:65:A:LEU:HD11	1:63:A:LEU:HD13	15	0.33
(1,1874)	1:65:A:LEU:HD12	1:63:A:LEU:HD11	15	0.33
(1,1874)	1:65:A:LEU:HD12	1:63:A:LEU:HD12	15	0.33
(1,1874)	1:65:A:LEU:HD12	1:63:A:LEU:HD13	15	0.33
(1,1874)	1:65:A:LEU:HD13	1:63:A:LEU:HD11	15	0.33
(1,1874)	1:65:A:LEU:HD13	1:63:A:LEU:HD12	15	0.33
(1,1874)	1:65:A:LEU:HD13	1:63:A:LEU:HD13	15	0.33
(1,1874)	1:65:A:LEU:HD21	1:63:A:LEU:HD11	15	0.33
(1,1874)	1:65:A:LEU:HD21	1:63:A:LEU:HD12	15	0.33
(1,1874)	1:65:A:LEU:HD21	1:63:A:LEU:HD13	15	0.33
(1,1874)	1:65:A:LEU:HD22	1:63:A:LEU:HD11	15	0.33
(1,1874)	1:65:A:LEU:HD22	1:63:A:LEU:HD12	15	0.33
(1,1874)	1:65:A:LEU:HD22	1:63:A:LEU:HD13	15	0.33
(1,1874)	1:65:A:LEU:HD23	1:63:A:LEU:HD11	15	0.33
(1,1874)	1:65:A:LEU:HD23	1:63:A:LEU:HD12	15	0.33
(1,1874)	1:65:A:LEU:HD23	1:63:A:LEU:HD13	15	0.33
(1,1870)	1:63:A:LEU:H	1:63:A:LEU:HD11	18	0.33
(1,1870)	1:63:A:LEU:H	1:63:A:LEU:HD12	18	0.33
(1,1870)	1:63:A:LEU:H	1:63:A:LEU:HD13	18	0.33
(1,1869)	1:181:A:LEU:H	1:181:A:LEU:HD11	17	0.33
(1,1869)	1:181:A:LEU:H	1:181:A:LEU:HD12	17	0.33
(1,1869)	1:181:A:LEU:H	1:181:A:LEU:HD13	17	0.33
(1,1836)	1:175:A:GLY:H	1:174:A:ARG:HG3	1	0.33
(1,1836)	1:175:A:GLY:H	1:174:A:ARG:HG3	2	0.33
(1,1836)	1:175:A:GLY:H	1:174:A:ARG:HG3	3	0.33
(1,1836)	1:175:A:GLY:H	1:174:A:ARG:HG3	4	0.33
(1,1755)	1:56:A:ALA:H	1:55:A:PRO:HG3	12	0.33
(1,1746)	1:86:A:ASN:HB3	1:87:A:ARG:HG3	3	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1661)	1:106:A:ASN:H	1:105:A:GLU:HB3	7	0.33
(1,1638)	1:88:A:ARG:H	1:87:A:ARG:HB3	1	0.33
(1,1638)	1:88:A:ARG:H	1:87:A:ARG:HB3	14	0.33
(1,1549)	1:61:A:VAL:HG11	1:60:A:MET:HB3	19	0.33
(1,1549)	1:61:A:VAL:HG12	1:60:A:MET:HB3	19	0.33
(1,1549)	1:61:A:VAL:HG13	1:60:A:MET:HB3	19	0.33
(1,1482)	1:45:A:GLN:HB3	1:45:A:GLN:HG3	15	0.33
(1,1482)	1:45:A:GLN:HB3	1:45:A:GLN:HG3	18	0.33
(1,1395)	1:46:A:GLU:H	1:46:A:GLU:HG3	18	0.33
(1,1326)	1:182:A:ASN:H	1:182:A:ASN:HB3	3	0.33
(1,1326)	1:182:A:ASN:H	1:182:A:ASN:HB3	11	0.33
(1,1326)	1:182:A:ASN:H	1:182:A:ASN:HB3	15	0.33
(1,1326)	1:182:A:ASN:H	1:182:A:ASN:HB3	19	0.33
(1,1297)	1:85:A:ILE:H	1:84:A:ASP:HB3	1	0.33
(1,1296)	1:84:A:ASP:H	1:84:A:ASP:HB3	20	0.33
(1,1095)	1:110:A:TYR:HE1	1:102:A:PRO:HD3	7	0.33
(1,1095)	1:110:A:TYR:HE2	1:102:A:PRO:HD3	7	0.33
(1,994)	1:50:A:GLU:HG3	1:50:A:GLU:HA	11	0.33
(1,934)	1:159:A:VAL:HG11	1:156:A:ARG:HA	14	0.33
(1,934)	1:159:A:VAL:HG12	1:156:A:ARG:HA	14	0.33
(1,934)	1:159:A:VAL:HG13	1:156:A:ARG:HA	14	0.33
(1,868)	1:25:A:GLU:HG3	1:25:A:GLU:HA	20	0.33
(1,766)	1:38:A:TYR:H	1:37:A:SER:HB3	15	0.33
(1,509)	1:77:A:GLN:HB3	1:77:A:GLN:HE21	18	0.33
(1,443)	1:181:A:LEU:HB3	1:182:A:ASN:H	9	0.33
(1,379)	1:50:A:GLU:HB3	1:50:A:GLU:H	20	0.33
(1,336)	1:127:A:ARG:HB3	1:124:A:ASN:H	7	0.33
(1,336)	1:127:A:ARG:HB3	1:124:A:ASN:H	8	0.33
(1,130)	1:106:A:ASN:HB3	1:107:A:ALA:H	12	0.33
(1,97)	1:29:A:GLN:HG3	1:30:A:ASP:H	2	0.33
(1,72)	1:34:A:VAL:HG21	1:38:A:TYR:H	5	0.33
(1,72)	1:34:A:VAL:HG22	1:38:A:TYR:H	5	0.33
(1,72)	1:34:A:VAL:HG23	1:38:A:TYR:H	5	0.33
(2,161)	1:168:A:ALA:O	1:172:A:ALA:N	7	0.32
(2,161)	1:168:A:ALA:O	1:172:A:ALA:N	10	0.32
(2,161)	1:168:A:ALA:O	1:172:A:ALA:N	11	0.32
(2,161)	1:168:A:ALA:O	1:172:A:ALA:N	13	0.32
(2,160)	1:159:A:VAL:O	1:163:A:LEU:N	1	0.32
(2,160)	1:159:A:VAL:O	1:163:A:LEU:N	7	0.32
(2,160)	1:159:A:VAL:O	1:163:A:LEU:N	14	0.32
(2,156)	1:152:A:GLY:O	1:156:A:ARG:N	2	0.32
(2,156)	1:152:A:GLY:O	1:156:A:ARG:N	20	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,155)	1:151:A:LEU:O	1:155:A:THR:N	13	0.32
(2,153)	1:134:A:PHE:O	1:138:A:LEU:N	19	0.32
(2,150)	1:113:A:LYS:O	1:117:A:SER:N	9	0.32
(2,149)	1:112:A:THR:O	1:116:A:THR:N	16	0.32
(2,148)	1:111:A:PHE:O	1:115:A:ALA:N	1	0.32
(2,148)	1:111:A:PHE:O	1:115:A:ALA:N	9	0.32
(2,148)	1:111:A:PHE:O	1:115:A:ALA:N	11	0.32
(2,148)	1:111:A:PHE:O	1:115:A:ALA:N	15	0.32
(2,148)	1:111:A:PHE:O	1:115:A:ALA:N	19	0.32
(2,147)	1:110:A:TYR:O	1:114:A:ILE:N	1	0.32
(2,145)	1:106:A:ASN:O	1:110:A:TYR:N	12	0.32
(2,138)	1:39:A:VAL:O	1:43:A:HIS:N	8	0.32
(2,137)	1:38:A:TYR:O	1:42:A:ARG:N	12	0.32
(2,137)	1:38:A:TYR:O	1:42:A:ARG:N	18	0.32
(2,135)	1:35:A:PHE:O	1:39:A:VAL:N	7	0.32
(2,135)	1:35:A:PHE:O	1:39:A:VAL:N	8	0.32
(2,135)	1:35:A:PHE:O	1:39:A:VAL:N	9	0.32
(2,132)	1:32:A:GLU:O	1:36:A:ARG:N	8	0.32
(2,130)	1:30:A:ASP:O	1:34:A:VAL:N	18	0.32
(1,3096)	1:126:A:GLY:H	2:98:B:ASP:HB3	16	0.32
(1,3011)	1:100:A:LEU:HD21	2:82:B:ILE:HD11	11	0.32
(1,3011)	1:100:A:LEU:HD21	2:82:B:ILE:HD12	11	0.32
(1,3011)	1:100:A:LEU:HD21	2:82:B:ILE:HD13	11	0.32
(1,3011)	1:100:A:LEU:HD22	2:82:B:ILE:HD11	11	0.32
(1,3011)	1:100:A:LEU:HD22	2:82:B:ILE:HD12	11	0.32
(1,3011)	1:100:A:LEU:HD22	2:82:B:ILE:HD13	11	0.32
(1,3011)	1:100:A:LEU:HD23	2:82:B:ILE:HD11	11	0.32
(1,3011)	1:100:A:LEU:HD23	2:82:B:ILE:HD12	11	0.32
(1,3011)	1:100:A:LEU:HD23	2:82:B:ILE:HD13	11	0.32
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD11	14	0.32
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD12	14	0.32
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD13	14	0.32
(1,2979)	1:81:A:ILE:HG21	2:101:B:ILE:HG13	1	0.32
(1,2979)	1:81:A:ILE:HG22	2:101:B:ILE:HG13	1	0.32
(1,2979)	1:81:A:ILE:HG23	2:101:B:ILE:HG13	1	0.32
(1,2965)	1:113:A:LYS:HB3	2:86:B:ILE:HD11	9	0.32
(1,2965)	1:113:A:LYS:HB3	2:86:B:ILE:HD12	9	0.32
(1,2965)	1:113:A:LYS:HB3	2:86:B:ILE:HD13	9	0.32
(1,2922)	2:92:B:MK8:HB1A	2:93:B:VAL:H	4	0.32
(1,2922)	2:92:B:MK8:HB1B	2:93:B:VAL:H	4	0.32
(1,2922)	2:92:B:MK8:HB1A	2:93:B:VAL:H	10	0.32
(1,2922)	2:92:B:MK8:HB1B	2:93:B:VAL:H	10	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2922)	2:92:B:MK8:HB1A	2:93:B:VAL:H	15	0.32
(1,2922)	2:92:B:MK8:HB1B	2:93:B:VAL:H	15	0.32
(1,2922)	2:92:B:MK8:HB1A	2:93:B:VAL:H	19	0.32
(1,2922)	2:92:B:MK8:HB1B	2:93:B:VAL:H	19	0.32
(1,2894)	2:84:B:ARG:HG3	2:85:B:ASN:H	7	0.32
(1,2894)	2:84:B:ARG:HG3	2:85:B:ASN:H	13	0.32
(1,2563)	1:98:A:GLN:HG3	1:99:A:HIS:HD2	15	0.32
(1,2417)	1:136:A:TYR:HB3	1:35:A:PHE:HE1	17	0.32
(1,2417)	1:136:A:TYR:HB3	1:35:A:PHE:HE2	17	0.32
(1,2185)	1:183:A:LEU:HD21	1:180:A:ALA:HB1	9	0.32
(1,2185)	1:183:A:LEU:HD21	1:180:A:ALA:HB2	9	0.32
(1,2185)	1:183:A:LEU:HD21	1:180:A:ALA:HB3	9	0.32
(1,2185)	1:183:A:LEU:HD22	1:180:A:ALA:HB1	9	0.32
(1,2185)	1:183:A:LEU:HD22	1:180:A:ALA:HB2	9	0.32
(1,2185)	1:183:A:LEU:HD22	1:180:A:ALA:HB3	9	0.32
(1,2185)	1:183:A:LEU:HD23	1:180:A:ALA:HB1	9	0.32
(1,2185)	1:183:A:LEU:HD23	1:180:A:ALA:HB2	9	0.32
(1,2185)	1:183:A:LEU:HD23	1:180:A:ALA:HB3	9	0.32
(1,2013)	1:31:A:THR:HB	1:159:A:VAL:HG11	18	0.32
(1,2013)	1:31:A:THR:HB	1:159:A:VAL:HG12	18	0.32
(1,2013)	1:31:A:THR:HB	1:159:A:VAL:HG13	18	0.32
(1,1986)	1:35:A:PHE:HD1	1:39:A:VAL:HG21	5	0.32
(1,1986)	1:35:A:PHE:HD1	1:39:A:VAL:HG22	5	0.32
(1,1986)	1:35:A:PHE:HD1	1:39:A:VAL:HG23	5	0.32
(1,1986)	1:35:A:PHE:HD2	1:39:A:VAL:HG21	5	0.32
(1,1986)	1:35:A:PHE:HD2	1:39:A:VAL:HG22	5	0.32
(1,1986)	1:35:A:PHE:HD2	1:39:A:VAL:HG23	5	0.32
(1,1986)	1:35:A:PHE:HD1	1:39:A:VAL:HG21	20	0.32
(1,1986)	1:35:A:PHE:HD1	1:39:A:VAL:HG22	20	0.32
(1,1986)	1:35:A:PHE:HD1	1:39:A:VAL:HG23	20	0.32
(1,1986)	1:35:A:PHE:HD2	1:39:A:VAL:HG21	20	0.32
(1,1986)	1:35:A:PHE:HD2	1:39:A:VAL:HG22	20	0.32
(1,1986)	1:35:A:PHE:HD2	1:39:A:VAL:HG23	20	0.32
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG21	8	0.32
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG22	8	0.32
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG23	8	0.32
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG11	2	0.32
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG12	2	0.32
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG13	2	0.32
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG11	12	0.32
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG12	12	0.32
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG13	12	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG11	20	0.32
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG12	20	0.32
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG13	20	0.32
(1,1869)	1:181:A:LEU:H	1:181:A:LEU:HD11	18	0.32
(1,1869)	1:181:A:LEU:H	1:181:A:LEU:HD12	18	0.32
(1,1869)	1:181:A:LEU:H	1:181:A:LEU:HD13	18	0.32
(1,1836)	1:175:A:GLY:H	1:174:A:ARG:HG3	13	0.32
(1,1836)	1:175:A:GLY:H	1:174:A:ARG:HG3	19	0.32
(1,1766)	1:20:A:PRO:HD3	1:19:A:LEU:HG	1	0.32
(1,1766)	1:20:A:PRO:HD3	1:19:A:LEU:HG	18	0.32
(1,1644)	1:118:A:LEU:HD11	1:127:A:ARG:HG3	12	0.32
(1,1644)	1:118:A:LEU:HD12	1:127:A:ARG:HG3	12	0.32
(1,1644)	1:118:A:LEU:HD13	1:127:A:ARG:HG3	12	0.32
(1,1638)	1:88:A:ARG:H	1:87:A:ARG:HB3	9	0.32
(1,1638)	1:88:A:ARG:H	1:87:A:ARG:HB3	15	0.32
(1,1490)	1:47:A:GLN:HA	1:47:A:GLN:HG3	20	0.32
(1,1485)	1:185:A:ASN:H	1:77:A:GLN:HG3	20	0.32
(1,1482)	1:45:A:GLN:HB3	1:45:A:GLN:HG3	9	0.32
(1,1482)	1:45:A:GLN:HB3	1:45:A:GLN:HG3	13	0.32
(1,1326)	1:182:A:ASN:H	1:182:A:ASN:HB3	4	0.32
(1,1326)	1:182:A:ASN:H	1:182:A:ASN:HB3	6	0.32
(1,1326)	1:182:A:ASN:H	1:182:A:ASN:HB3	9	0.32
(1,1296)	1:84:A:ASP:H	1:84:A:ASP:HB3	18	0.32
(1,1071)	1:66:A:GLN:HE22	1:67:A:PRO:HD3	2	0.32
(1,868)	1:25:A:GLU:HG3	1:25:A:GLU:HA	4	0.32
(1,868)	1:25:A:GLU:HG3	1:25:A:GLU:HA	11	0.32
(1,538)	1:22:A:ALA:HA	1:26:A:GLN:HE22	20	0.32
(1,509)	1:77:A:GLN:HB3	1:77:A:GLN:HE21	7	0.32
(1,491)	1:163:A:LEU:HB3	1:164:A:HIS:H	7	0.32
(1,475)	1:152:A:GLY:HA3	1:155:A:THR:H	10	0.32
(1,410)	1:94:A:GLN:HE22	1:95:A:THR:H	14	0.32
(1,397)	1:20:A:PRO:HB3	1:21:A:SER:H	1	0.32
(1,397)	1:20:A:PRO:HB3	1:21:A:SER:H	2	0.32
(1,397)	1:20:A:PRO:HB3	1:21:A:SER:H	3	0.32
(1,397)	1:20:A:PRO:HB3	1:21:A:SER:H	6	0.32
(1,397)	1:20:A:PRO:HB3	1:21:A:SER:H	19	0.32
(1,336)	1:127:A:ARG:HB3	1:124:A:ASN:H	20	0.32
(1,325)	1:42:A:ARG:HB3	1:44:A:GLN:H	9	0.32
(1,318)	1:27:A:VAL:HG11	1:177:A:TRP:H	8	0.32
(1,318)	1:27:A:VAL:HG12	1:177:A:TRP:H	8	0.32
(1,318)	1:27:A:VAL:HG13	1:177:A:TRP:H	8	0.32
(1,283)	1:42:A:ARG:HB3	1:41:A:TYR:H	10	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,252)	1:51:A:GLY:HA3	1:52:A:VAL:H	1	0.32
(1,234)	1:163:A:LEU:HB3	1:163:A:LEU:H	3	0.32
(1,97)	1:29:A:GLN:HG3	1:30:A:ASP:H	1	0.32
(2,161)	1:168:A:ALA:O	1:172:A:ALA:N	8	0.31
(2,161)	1:168:A:ALA:O	1:172:A:ALA:N	12	0.31
(2,156)	1:152:A:GLY:O	1:156:A:ARG:N	12	0.31
(2,155)	1:151:A:LEU:O	1:155:A:THR:N	1	0.31
(2,155)	1:151:A:LEU:O	1:155:A:THR:N	7	0.31
(2,155)	1:151:A:LEU:O	1:155:A:THR:N	14	0.31
(2,155)	1:151:A:LEU:O	1:155:A:THR:N	18	0.31
(2,155)	1:151:A:LEU:O	1:155:A:THR:N	19	0.31
(2,154)	1:150:A:PHE:O	1:154:A:VAL:N	10	0.31
(2,153)	1:134:A:PHE:O	1:138:A:LEU:N	1	0.31
(2,153)	1:134:A:PHE:O	1:138:A:LEU:N	6	0.31
(2,153)	1:134:A:PHE:O	1:138:A:LEU:N	16	0.31
(2,151)	1:127:A:ARG:O	1:131:A:LEU:N	6	0.31
(2,151)	1:127:A:ARG:O	1:131:A:LEU:N	14	0.31
(2,149)	1:112:A:THR:O	1:116:A:THR:N	9	0.31
(2,149)	1:112:A:THR:O	1:116:A:THR:N	10	0.31
(2,149)	1:112:A:THR:O	1:116:A:THR:N	11	0.31
(2,149)	1:112:A:THR:O	1:116:A:THR:N	17	0.31
(2,148)	1:111:A:PHE:O	1:115:A:ALA:N	16	0.31
(2,147)	1:110:A:TYR:O	1:114:A:ILE:N	20	0.31
(2,145)	1:106:A:ASN:O	1:110:A:TYR:N	5	0.31
(2,143)	1:93:A:PHE:O	1:97:A:LEU:N	13	0.31
(2,138)	1:39:A:VAL:O	1:43:A:HIS:N	1	0.31
(2,138)	1:39:A:VAL:O	1:43:A:HIS:N	10	0.31
(2,138)	1:39:A:VAL:O	1:43:A:HIS:N	11	0.31
(2,135)	1:35:A:PHE:O	1:39:A:VAL:N	1	0.31
(2,135)	1:35:A:PHE:O	1:39:A:VAL:N	16	0.31
(2,135)	1:35:A:PHE:O	1:39:A:VAL:N	19	0.31
(2,133)	1:33:A:GLU:O	1:37:A:SER:N	5	0.31
(2,133)	1:33:A:GLU:O	1:37:A:SER:N	7	0.31
(2,133)	1:33:A:GLU:O	1:37:A:SER:N	12	0.31
(2,133)	1:33:A:GLU:O	1:37:A:SER:N	13	0.31
(1,2979)	1:81:A:ILE:HG21	2:101:B:ILE:HG13	8	0.31
(1,2979)	1:81:A:ILE:HG22	2:101:B:ILE:HG13	8	0.31
(1,2979)	1:81:A:ILE:HG23	2:101:B:ILE:HG13	8	0.31
(1,2965)	1:113:A:LYS:HB3	2:86:B:ILE:HD11	13	0.31
(1,2965)	1:113:A:LYS:HB3	2:86:B:ILE:HD12	13	0.31
(1,2965)	1:113:A:LYS:HB3	2:86:B:ILE:HD13	13	0.31
(1,2936)	2:99:B:ARG:HB3	2:99:B:ARG:HD3	14	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2922)	2:92:B:MK8:HB1A	2:93:B:VAL:H	7	0.31
(1,2922)	2:92:B:MK8:HB1B	2:93:B:VAL:H	7	0.31
(1,2922)	2:92:B:MK8:HB1A	2:93:B:VAL:H	13	0.31
(1,2922)	2:92:B:MK8:HB1B	2:93:B:VAL:H	13	0.31
(1,2922)	2:92:B:MK8:HB1A	2:93:B:VAL:H	14	0.31
(1,2922)	2:92:B:MK8:HB1B	2:93:B:VAL:H	14	0.31
(1,2563)	1:98:A:GLN:HG3	1:99:A:HIS:HD2	1	0.31
(1,2447)	1:131:A:LEU:HB3	1:119:A:PHE:HE1	13	0.31
(1,2447)	1:131:A:LEU:HB3	1:119:A:PHE:HE2	13	0.31
(1,2433)	1:97:A:LEU:HD11	1:93:A:PHE:HE1	7	0.31
(1,2433)	1:97:A:LEU:HD11	1:93:A:PHE:HE2	7	0.31
(1,2433)	1:97:A:LEU:HD12	1:93:A:PHE:HE1	7	0.31
(1,2433)	1:97:A:LEU:HD12	1:93:A:PHE:HE2	7	0.31
(1,2433)	1:97:A:LEU:HD13	1:93:A:PHE:HE1	7	0.31
(1,2433)	1:97:A:LEU:HD13	1:93:A:PHE:HE2	7	0.31
(1,2346)	1:42:A:ARG:HD3	1:43:A:HIS:HE1	6	0.31
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB1	1	0.31
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB2	1	0.31
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB3	1	0.31
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB1	1	0.31
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB2	1	0.31
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB3	1	0.31
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB1	1	0.31
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB2	1	0.31
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB3	1	0.31
(1,2185)	1:183:A:LEU:HD21	1:180:A:ALA:HB1	6	0.31
(1,2185)	1:183:A:LEU:HD21	1:180:A:ALA:HB2	6	0.31
(1,2185)	1:183:A:LEU:HD21	1:180:A:ALA:HB3	6	0.31
(1,2185)	1:183:A:LEU:HD22	1:180:A:ALA:HB1	6	0.31
(1,2185)	1:183:A:LEU:HD22	1:180:A:ALA:HB2	6	0.31
(1,2185)	1:183:A:LEU:HD22	1:180:A:ALA:HB3	6	0.31
(1,2185)	1:183:A:LEU:HD23	1:180:A:ALA:HB1	6	0.31
(1,2185)	1:183:A:LEU:HD23	1:180:A:ALA:HB2	6	0.31
(1,2185)	1:183:A:LEU:HD23	1:180:A:ALA:HB3	6	0.31
(1,2129)	1:175:A:GLY:HA2	1:179:A:ALA:HB1	18	0.31
(1,2129)	1:175:A:GLY:HA2	1:179:A:ALA:HB2	18	0.31
(1,2129)	1:175:A:GLY:HA2	1:179:A:ALA:HB3	18	0.31
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG21	7	0.31
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG22	7	0.31
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG23	7	0.31
(1,2069)	1:163:A:LEU:HD11	1:159:A:VAL:HG21	3	0.31
(1,2069)	1:163:A:LEU:HD11	1:159:A:VAL:HG22	3	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2069)	1:163:A:LEU:HD11	1:159:A:VAL:HG23	3	0.31
(1,2069)	1:163:A:LEU:HD12	1:159:A:VAL:HG21	3	0.31
(1,2069)	1:163:A:LEU:HD12	1:159:A:VAL:HG22	3	0.31
(1,2069)	1:163:A:LEU:HD12	1:159:A:VAL:HG23	3	0.31
(1,2069)	1:163:A:LEU:HD13	1:159:A:VAL:HG21	3	0.31
(1,2069)	1:163:A:LEU:HD13	1:159:A:VAL:HG22	3	0.31
(1,2069)	1:163:A:LEU:HD13	1:159:A:VAL:HG23	3	0.31
(1,2069)	1:163:A:LEU:HD21	1:159:A:VAL:HG21	3	0.31
(1,2069)	1:163:A:LEU:HD21	1:159:A:VAL:HG22	3	0.31
(1,2069)	1:163:A:LEU:HD21	1:159:A:VAL:HG23	3	0.31
(1,2069)	1:163:A:LEU:HD22	1:159:A:VAL:HG21	3	0.31
(1,2069)	1:163:A:LEU:HD22	1:159:A:VAL:HG22	3	0.31
(1,2069)	1:163:A:LEU:HD22	1:159:A:VAL:HG23	3	0.31
(1,2069)	1:163:A:LEU:HD23	1:159:A:VAL:HG21	3	0.31
(1,2069)	1:163:A:LEU:HD23	1:159:A:VAL:HG22	3	0.31
(1,2069)	1:163:A:LEU:HD23	1:159:A:VAL:HG23	3	0.31
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG21	6	0.31
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG22	6	0.31
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG23	6	0.31
(1,1978)	1:35:A:PHE:HE1	1:39:A:VAL:HG21	20	0.31
(1,1978)	1:35:A:PHE:HE1	1:39:A:VAL:HG22	20	0.31
(1,1978)	1:35:A:PHE:HE1	1:39:A:VAL:HG23	20	0.31
(1,1978)	1:35:A:PHE:HE2	1:39:A:VAL:HG21	20	0.31
(1,1978)	1:35:A:PHE:HE2	1:39:A:VAL:HG22	20	0.31
(1,1978)	1:35:A:PHE:HE2	1:39:A:VAL:HG23	20	0.31
(1,1961)	1:34:A:VAL:HG11	1:74:A:VAL:HG21	10	0.31
(1,1961)	1:34:A:VAL:HG11	1:74:A:VAL:HG22	10	0.31
(1,1961)	1:34:A:VAL:HG11	1:74:A:VAL:HG23	10	0.31
(1,1961)	1:34:A:VAL:HG12	1:74:A:VAL:HG21	10	0.31
(1,1961)	1:34:A:VAL:HG12	1:74:A:VAL:HG22	10	0.31
(1,1961)	1:34:A:VAL:HG12	1:74:A:VAL:HG23	10	0.31
(1,1961)	1:34:A:VAL:HG13	1:74:A:VAL:HG21	10	0.31
(1,1961)	1:34:A:VAL:HG13	1:74:A:VAL:HG22	10	0.31
(1,1961)	1:34:A:VAL:HG13	1:74:A:VAL:HG23	10	0.31
(1,1961)	1:34:A:VAL:HG11	1:74:A:VAL:HG21	14	0.31
(1,1961)	1:34:A:VAL:HG11	1:74:A:VAL:HG22	14	0.31
(1,1961)	1:34:A:VAL:HG11	1:74:A:VAL:HG23	14	0.31
(1,1961)	1:34:A:VAL:HG12	1:74:A:VAL:HG21	14	0.31
(1,1961)	1:34:A:VAL:HG12	1:74:A:VAL:HG22	14	0.31
(1,1961)	1:34:A:VAL:HG12	1:74:A:VAL:HG23	14	0.31
(1,1961)	1:34:A:VAL:HG13	1:74:A:VAL:HG21	14	0.31
(1,1961)	1:34:A:VAL:HG13	1:74:A:VAL:HG22	14	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1961)	1:34:A:VAL:HG13	1:74:A:VAL:HG23	14	0.31
(1,1952)	1:35:A:PHE:HB3	1:31:A:THR:HG21	12	0.31
(1,1952)	1:35:A:PHE:HB3	1:31:A:THR:HG22	12	0.31
(1,1952)	1:35:A:PHE:HB3	1:31:A:THR:HG23	12	0.31
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG11	1	0.31
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG12	1	0.31
(1,1911)	1:24:A:GLU:HA	1:27:A:VAL:HG13	1	0.31
(1,1836)	1:175:A:GLY:H	1:174:A:ARG:HG3	10	0.31
(1,1836)	1:175:A:GLY:H	1:174:A:ARG:HG3	14	0.31
(1,1795)	1:169:A:ARG:H	1:169:A:ARG:HG3	11	0.31
(1,1794)	1:156:A:ARG:H	1:156:A:ARG:HG3	8	0.31
(1,1675)	1:84:A:ASP:HB3	1:85:A:ILE:HG13	18	0.31
(1,1660)	1:47:A:GLN:HE21	1:46:A:GLU:HB3	1	0.31
(1,1644)	1:118:A:LEU:HD11	1:127:A:ARG:HG3	7	0.31
(1,1644)	1:118:A:LEU:HD12	1:127:A:ARG:HG3	7	0.31
(1,1644)	1:118:A:LEU:HD13	1:127:A:ARG:HG3	7	0.31
(1,1644)	1:118:A:LEU:HD11	1:127:A:ARG:HG3	9	0.31
(1,1644)	1:118:A:LEU:HD12	1:127:A:ARG:HG3	9	0.31
(1,1644)	1:118:A:LEU:HD13	1:127:A:ARG:HG3	9	0.31
(1,1638)	1:88:A:ARG:H	1:87:A:ARG:HB3	4	0.31
(1,1495)	1:153:A:GLN:H	1:153:A:GLN:HG3	13	0.31
(1,1476)	1:29:A:GLN:H	1:29:A:GLN:HG3	4	0.31
(1,1326)	1:182:A:ASN:H	1:182:A:ASN:HB3	12	0.31
(1,1156)	1:156:A:ARG:H	1:156:A:ARG:HD3	19	0.31
(1,1128)	1:155:A:THR:HB	1:152:A:GLY:HA3	17	0.31
(1,1083)	1:19:A:LEU:HB3	1:20:A:PRO:HD3	1	0.31
(1,1083)	1:19:A:LEU:HB3	1:20:A:PRO:HD3	2	0.31
(1,1083)	1:19:A:LEU:HB3	1:20:A:PRO:HD3	3	0.31
(1,1083)	1:19:A:LEU:HB3	1:20:A:PRO:HD3	4	0.31
(1,1083)	1:19:A:LEU:HB3	1:20:A:PRO:HD3	5	0.31
(1,1083)	1:19:A:LEU:HB3	1:20:A:PRO:HD3	6	0.31
(1,1083)	1:19:A:LEU:HB3	1:20:A:PRO:HD3	8	0.31
(1,1083)	1:19:A:LEU:HB3	1:20:A:PRO:HD3	9	0.31
(1,1083)	1:19:A:LEU:HB3	1:20:A:PRO:HD3	12	0.31
(1,1083)	1:19:A:LEU:HB3	1:20:A:PRO:HD3	13	0.31
(1,1083)	1:19:A:LEU:HB3	1:20:A:PRO:HD3	14	0.31
(1,1083)	1:19:A:LEU:HB3	1:20:A:PRO:HD3	15	0.31
(1,1083)	1:19:A:LEU:HB3	1:20:A:PRO:HD3	16	0.31
(1,1083)	1:19:A:LEU:HB3	1:20:A:PRO:HD3	17	0.31
(1,1083)	1:19:A:LEU:HB3	1:20:A:PRO:HD3	18	0.31
(1,1083)	1:19:A:LEU:HB3	1:20:A:PRO:HD3	19	0.31
(1,1083)	1:19:A:LEU:HB3	1:20:A:PRO:HD3	20	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1027)	1:27:A:VAL:HG21	1:168:A:ALA:HA	6	0.31
(1,1027)	1:27:A:VAL:HG22	1:168:A:ALA:HA	6	0.31
(1,1027)	1:27:A:VAL:HG23	1:168:A:ALA:HA	6	0.31
(1,994)	1:50:A:GLU:HG3	1:50:A:GLU:HA	3	0.31
(1,927)	1:141:A:HIS:HB3	1:138:A:LEU:HA	8	0.31
(1,903)	1:87:A:ARG:HD3	1:87:A:ARG:HA	18	0.31
(1,868)	1:25:A:GLU:HG3	1:25:A:GLU:HA	7	0.31
(1,868)	1:25:A:GLU:HG3	1:25:A:GLU:HA	13	0.31
(1,868)	1:25:A:GLU:HG3	1:25:A:GLU:HA	14	0.31
(1,868)	1:25:A:GLU:HG3	1:25:A:GLU:HA	15	0.31
(1,861)	1:46:A:GLU:HB3	1:43:A:HIS:HA	6	0.31
(1,845)	1:63:A:LEU:HD11	1:37:A:SER:HA	10	0.31
(1,845)	1:63:A:LEU:HD12	1:37:A:SER:HA	10	0.31
(1,845)	1:63:A:LEU:HD13	1:37:A:SER:HA	10	0.31
(1,732)	1:66:A:GLN:HG3	1:69:A:SER:HB3	8	0.31
(1,538)	1:22:A:ALA:HA	1:26:A:GLN:HE22	11	0.31
(1,509)	1:77:A:GLN:HB3	1:77:A:GLN:HE21	20	0.31
(1,475)	1:152:A:GLY:HA3	1:155:A:THR:H	14	0.31
(1,397)	1:20:A:PRO:HB3	1:21:A:SER:H	14	0.31
(1,318)	1:27:A:VAL:HG11	1:177:A:TRP:H	9	0.31
(1,318)	1:27:A:VAL:HG12	1:177:A:TRP:H	9	0.31
(1,318)	1:27:A:VAL:HG13	1:177:A:TRP:H	9	0.31
(1,252)	1:51:A:GLY:HA3	1:52:A:VAL:H	3	0.31
(1,252)	1:51:A:GLY:HA3	1:52:A:VAL:H	4	0.31
(1,252)	1:51:A:GLY:HA3	1:52:A:VAL:H	17	0.31
(1,234)	1:163:A:LEU:HB3	1:163:A:LEU:H	1	0.31
(1,234)	1:163:A:LEU:HB3	1:163:A:LEU:H	18	0.31
(1,130)	1:106:A:ASN:HB3	1:107:A:ALA:H	4	0.31
(1,127)	1:99:A:HIS:HB3	1:100:A:LEU:H	4	0.31
(1,97)	1:29:A:GLN:HG3	1:30:A:ASP:H	12	0.31
(1,72)	1:34:A:VAL:HG21	1:38:A:TYR:H	7	0.31
(1,72)	1:34:A:VAL:HG22	1:38:A:TYR:H	7	0.31
(1,72)	1:34:A:VAL:HG23	1:38:A:TYR:H	7	0.31
(1,72)	1:34:A:VAL:HG21	1:38:A:TYR:H	13	0.31
(1,72)	1:34:A:VAL:HG22	1:38:A:TYR:H	13	0.31
(1,72)	1:34:A:VAL:HG23	1:38:A:TYR:H	13	0.31
(2,163)	1:170:A:TRP:O	1:174:A:ARG:N	10	0.3
(2,161)	1:168:A:ALA:O	1:172:A:ALA:N	1	0.3
(2,161)	1:168:A:ALA:O	1:172:A:ALA:N	14	0.3
(2,161)	1:168:A:ALA:O	1:172:A:ALA:N	17	0.3
(2,160)	1:159:A:VAL:O	1:163:A:LEU:N	5	0.3
(2,160)	1:159:A:VAL:O	1:163:A:LEU:N	11	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,160)	1:159:A:VAL:O	1:163:A:LEU:N	12	0.3
(2,160)	1:159:A:VAL:O	1:163:A:LEU:N	13	0.3
(2,155)	1:151:A:LEU:O	1:155:A:THR:N	4	0.3
(2,155)	1:151:A:LEU:O	1:155:A:THR:N	9	0.3
(2,155)	1:151:A:LEU:O	1:155:A:THR:N	11	0.3
(2,155)	1:151:A:LEU:O	1:155:A:THR:N	16	0.3
(2,155)	1:151:A:LEU:O	1:155:A:THR:N	17	0.3
(2,154)	1:150:A:PHE:O	1:154:A:VAL:N	8	0.3
(2,154)	1:150:A:PHE:O	1:154:A:VAL:N	11	0.3
(2,151)	1:127:A:ARG:O	1:131:A:LEU:N	1	0.3
(2,151)	1:127:A:ARG:O	1:131:A:LEU:N	8	0.3
(2,151)	1:127:A:ARG:O	1:131:A:LEU:N	17	0.3
(2,150)	1:113:A:LYS:O	1:117:A:SER:N	18	0.3
(2,149)	1:112:A:THR:O	1:116:A:THR:N	19	0.3
(2,148)	1:111:A:PHE:O	1:115:A:ALA:N	2	0.3
(2,148)	1:111:A:PHE:O	1:115:A:ALA:N	4	0.3
(2,148)	1:111:A:PHE:O	1:115:A:ALA:N	12	0.3
(2,148)	1:111:A:PHE:O	1:115:A:ALA:N	13	0.3
(2,148)	1:111:A:PHE:O	1:115:A:ALA:N	17	0.3
(2,147)	1:110:A:TYR:O	1:114:A:ILE:N	5	0.3
(2,145)	1:106:A:ASN:O	1:110:A:TYR:N	9	0.3
(2,144)	1:94:A:GLN:O	1:98:A:GLN:N	6	0.3
(2,139)	1:40:A:PHE:O	1:44:A:GLN:N	20	0.3
(2,138)	1:39:A:VAL:O	1:43:A:HIS:N	15	0.3
(2,137)	1:38:A:TYR:O	1:42:A:ARG:N	2	0.3
(2,137)	1:38:A:TYR:O	1:42:A:ARG:N	14	0.3
(2,137)	1:38:A:TYR:O	1:42:A:ARG:N	20	0.3
(2,135)	1:35:A:PHE:O	1:39:A:VAL:N	11	0.3
(2,135)	1:35:A:PHE:O	1:39:A:VAL:N	13	0.3
(2,135)	1:35:A:PHE:O	1:39:A:VAL:N	15	0.3
(2,127)	1:24:A:GLU:O	1:28:A:ALA:N	14	0.3
(1,3096)	1:126:A:GLY:H	2:98:B:ASP:HB3	11	0.3
(1,3075)	1:183:A:LEU:HD11	2:101:B:ILE:HG13	10	0.3
(1,3075)	1:183:A:LEU:HD12	2:101:B:ILE:HG13	10	0.3
(1,3075)	1:183:A:LEU:HD13	2:101:B:ILE:HG13	10	0.3
(1,3075)	1:183:A:LEU:HD21	2:101:B:ILE:HG13	10	0.3
(1,3075)	1:183:A:LEU:HD22	2:101:B:ILE:HG13	10	0.3
(1,3075)	1:183:A:LEU:HD23	2:101:B:ILE:HG13	10	0.3
(1,2965)	1:113:A:LYS:HB3	2:86:B:ILE:HD11	16	0.3
(1,2965)	1:113:A:LYS:HB3	2:86:B:ILE:HD12	16	0.3
(1,2965)	1:113:A:LYS:HB3	2:86:B:ILE:HD13	16	0.3
(1,2922)	2:92:B:MK8:HB1A	2:93:B:VAL:H	3	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2922)	2:92:B:MK8:HB1B	2:93:B:VAL:H	3	0.3
(1,2922)	2:92:B:MK8:HB1A	2:93:B:VAL:H	18	0.3
(1,2922)	2:92:B:MK8:HB1B	2:93:B:VAL:H	18	0.3
(1,2894)	2:84:B:ARG:HG3	2:85:B:ASN:H	6	0.3
(1,2822)	2:88:B:ARG:HA	2:88:B:ARG:HD3	11	0.3
(1,2804)	2:84:B:ARG:HB3	2:85:B:ASN:H	11	0.3
(1,2667)	2:92:B:MK8:HB1A	2:95:B:ASP:HB3	6	0.3
(1,2667)	2:92:B:MK8:HB1B	2:95:B:ASP:HB3	6	0.3
(1,2185)	1:183:A:LEU:HD21	1:180:A:ALA:HB1	1	0.3
(1,2185)	1:183:A:LEU:HD21	1:180:A:ALA:HB2	1	0.3
(1,2185)	1:183:A:LEU:HD21	1:180:A:ALA:HB3	1	0.3
(1,2185)	1:183:A:LEU:HD22	1:180:A:ALA:HB1	1	0.3
(1,2185)	1:183:A:LEU:HD22	1:180:A:ALA:HB2	1	0.3
(1,2185)	1:183:A:LEU:HD22	1:180:A:ALA:HB3	1	0.3
(1,2185)	1:183:A:LEU:HD23	1:180:A:ALA:HB1	1	0.3
(1,2185)	1:183:A:LEU:HD23	1:180:A:ALA:HB2	1	0.3
(1,2185)	1:183:A:LEU:HD23	1:180:A:ALA:HB3	1	0.3
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG21	8	0.3
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG22	8	0.3
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG23	8	0.3
(1,2094)	1:177:A:TRP:HZ3	1:34:A:VAL:HG21	15	0.3
(1,2094)	1:177:A:TRP:HZ3	1:34:A:VAL:HG22	15	0.3
(1,2094)	1:177:A:TRP:HZ3	1:34:A:VAL:HG23	15	0.3
(1,2013)	1:31:A:THR:HB	1:159:A:VAL:HG11	14	0.3
(1,2013)	1:31:A:THR:HB	1:159:A:VAL:HG12	14	0.3
(1,2013)	1:31:A:THR:HB	1:159:A:VAL:HG13	14	0.3
(1,1871)	1:63:A:LEU:HA	1:63:A:LEU:HD11	4	0.3
(1,1871)	1:63:A:LEU:HA	1:63:A:LEU:HD12	4	0.3
(1,1871)	1:63:A:LEU:HA	1:63:A:LEU:HD13	4	0.3
(1,1836)	1:175:A:GLY:H	1:174:A:ARG:HG3	15	0.3
(1,1793)	1:35:A:PHE:HE1	1:36:A:ARG:HG3	20	0.3
(1,1793)	1:35:A:PHE:HE2	1:36:A:ARG:HG3	20	0.3
(1,1730)	1:144:A:GLN:H	1:145:A:HIS:HB3	4	0.3
(1,1522)	1:81:A:ILE:HD11	1:77:A:GLN:HG3	1	0.3
(1,1522)	1:81:A:ILE:HD12	1:77:A:GLN:HG3	1	0.3
(1,1522)	1:81:A:ILE:HD13	1:77:A:GLN:HG3	1	0.3
(1,1495)	1:153:A:GLN:H	1:153:A:GLN:HG3	11	0.3
(1,1485)	1:185:A:ASN:H	1:77:A:GLN:HG3	11	0.3
(1,1476)	1:29:A:GLN:H	1:29:A:GLN:HG3	17	0.3
(1,1326)	1:182:A:ASN:H	1:182:A:ASN:HB3	16	0.3
(1,1138)	1:52:A:VAL:HG11	1:51:A:GLY:HA3	3	0.3
(1,1138)	1:52:A:VAL:HG12	1:51:A:GLY:HA3	3	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1138)	1:52:A:VAL:HG13	1:51:A:GLY:HA3	3	0.3
(1,1138)	1:52:A:VAL:HG21	1:51:A:GLY:HA3	3	0.3
(1,1138)	1:52:A:VAL:HG22	1:51:A:GLY:HA3	3	0.3
(1,1138)	1:52:A:VAL:HG23	1:51:A:GLY:HA3	3	0.3
(1,1138)	1:52:A:VAL:HG11	1:51:A:GLY:HA3	8	0.3
(1,1138)	1:52:A:VAL:HG12	1:51:A:GLY:HA3	8	0.3
(1,1138)	1:52:A:VAL:HG13	1:51:A:GLY:HA3	8	0.3
(1,1138)	1:52:A:VAL:HG21	1:51:A:GLY:HA3	8	0.3
(1,1138)	1:52:A:VAL:HG22	1:51:A:GLY:HA3	8	0.3
(1,1138)	1:52:A:VAL:HG23	1:51:A:GLY:HA3	8	0.3
(1,1083)	1:19:A:LEU:HB3	1:20:A:PRO:HD3	11	0.3
(1,1050)	1:19:A:LEU:HD21	1:19:A:LEU:HA	2	0.3
(1,1050)	1:19:A:LEU:HD22	1:19:A:LEU:HA	2	0.3
(1,1050)	1:19:A:LEU:HD23	1:19:A:LEU:HA	2	0.3
(1,1050)	1:19:A:LEU:HD21	1:19:A:LEU:HA	13	0.3
(1,1050)	1:19:A:LEU:HD22	1:19:A:LEU:HA	13	0.3
(1,1050)	1:19:A:LEU:HD23	1:19:A:LEU:HA	13	0.3
(1,868)	1:25:A:GLU:HG3	1:25:A:GLU:HA	6	0.3
(1,868)	1:25:A:GLU:HG3	1:25:A:GLU:HA	8	0.3
(1,868)	1:25:A:GLU:HG3	1:25:A:GLU:HA	16	0.3
(1,868)	1:25:A:GLU:HG3	1:25:A:GLU:HA	19	0.3
(1,491)	1:163:A:LEU:HB3	1:164:A:HIS:H	8	0.3
(1,491)	1:163:A:LEU:HB3	1:164:A:HIS:H	14	0.3
(1,397)	1:20:A:PRO:HB3	1:21:A:SER:H	4	0.3
(1,397)	1:20:A:PRO:HB3	1:21:A:SER:H	5	0.3
(1,390)	1:63:A:LEU:HD11	1:36:A:ARG:H	18	0.3
(1,390)	1:63:A:LEU:HD12	1:36:A:ARG:H	18	0.3
(1,390)	1:63:A:LEU:HD13	1:36:A:ARG:H	18	0.3
(1,382)	1:98:A:GLN:HG3	1:98:A:GLN:H	4	0.3
(1,336)	1:127:A:ARG:HB3	1:124:A:ASN:H	2	0.3
(1,252)	1:51:A:GLY:HA3	1:52:A:VAL:H	16	0.3
(1,130)	1:106:A:ASN:HB3	1:107:A:ALA:H	5	0.3
(1,130)	1:106:A:ASN:HB3	1:107:A:ALA:H	8	0.3
(1,130)	1:106:A:ASN:HB3	1:107:A:ALA:H	14	0.3
(1,72)	1:34:A:VAL:HG21	1:38:A:TYR:H	10	0.3
(1,72)	1:34:A:VAL:HG22	1:38:A:TYR:H	10	0.3
(1,72)	1:34:A:VAL:HG23	1:38:A:TYR:H	10	0.3
(1,72)	1:34:A:VAL:HG21	1:38:A:TYR:H	18	0.3
(1,72)	1:34:A:VAL:HG22	1:38:A:TYR:H	18	0.3
(1,72)	1:34:A:VAL:HG23	1:38:A:TYR:H	18	0.3
(2,163)	1:170:A:TRP:O	1:174:A:ARG:N	6	0.29
(2,163)	1:170:A:TRP:O	1:174:A:ARG:N	16	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,161)	1:168:A:ALA:O	1:172:A:ALA:N	15	0.29
(2,161)	1:168:A:ALA:O	1:172:A:ALA:N	16	0.29
(2,160)	1:159:A:VAL:O	1:163:A:LEU:N	8	0.29
(2,156)	1:152:A:GLY:O	1:156:A:ARG:N	6	0.29
(2,154)	1:150:A:PHE:O	1:154:A:VAL:N	13	0.29
(2,153)	1:134:A:PHE:O	1:138:A:LEU:N	7	0.29
(2,151)	1:127:A:ARG:O	1:131:A:LEU:N	16	0.29
(2,149)	1:112:A:THR:O	1:116:A:THR:N	6	0.29
(2,149)	1:112:A:THR:O	1:116:A:THR:N	8	0.29
(2,149)	1:112:A:THR:O	1:116:A:THR:N	13	0.29
(2,149)	1:112:A:THR:O	1:116:A:THR:N	15	0.29
(2,149)	1:112:A:THR:O	1:116:A:THR:N	20	0.29
(2,148)	1:111:A:PHE:O	1:115:A:ALA:N	6	0.29
(2,148)	1:111:A:PHE:O	1:115:A:ALA:N	10	0.29
(2,146)	1:107:A:ALA:O	1:111:A:PHE:N	17	0.29
(2,146)	1:107:A:ALA:O	1:111:A:PHE:N	18	0.29
(2,145)	1:106:A:ASN:O	1:110:A:TYR:N	2	0.29
(2,141)	1:82:A:GLY:O	1:86:A:ASN:N	16	0.29
(2,138)	1:39:A:VAL:O	1:43:A:HIS:N	13	0.29
(1,3103)	1:89:A:TYR:HD1	2:92:B:MK8:HB1A	14	0.29
(1,3103)	1:89:A:TYR:HD1	2:92:B:MK8:HB1B	14	0.29
(1,3103)	1:89:A:TYR:HD2	2:92:B:MK8:HB1A	14	0.29
(1,3103)	1:89:A:TYR:HD2	2:92:B:MK8:HB1B	14	0.29
(1,3103)	1:89:A:TYR:HD1	2:92:B:MK8:HB1A	15	0.29
(1,3103)	1:89:A:TYR:HD1	2:92:B:MK8:HB1B	15	0.29
(1,3103)	1:89:A:TYR:HD2	2:92:B:MK8:HB1A	15	0.29
(1,3103)	1:89:A:TYR:HD2	2:92:B:MK8:HB1B	15	0.29
(1,3096)	1:126:A:GLY:H	2:98:B:ASP:HB3	5	0.29
(1,3096)	1:126:A:GLY:H	2:98:B:ASP:HB3	10	0.29
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD11	20	0.29
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD12	20	0.29
(1,3007)	1:113:A:LYS:HE3	2:86:B:ILE:HD13	20	0.29
(1,2979)	1:81:A:ILE:HG21	2:101:B:ILE:HG13	15	0.29
(1,2979)	1:81:A:ILE:HG22	2:101:B:ILE:HG13	15	0.29
(1,2979)	1:81:A:ILE:HG23	2:101:B:ILE:HG13	15	0.29
(1,2965)	1:113:A:LYS:HB3	2:86:B:ILE:HD11	3	0.29
(1,2965)	1:113:A:LYS:HB3	2:86:B:ILE:HD12	3	0.29
(1,2965)	1:113:A:LYS:HB3	2:86:B:ILE:HD13	3	0.29
(1,2965)	1:113:A:LYS:HB3	2:86:B:ILE:HD11	18	0.29
(1,2965)	1:113:A:LYS:HB3	2:86:B:ILE:HD12	18	0.29
(1,2965)	1:113:A:LYS:HB3	2:86:B:ILE:HD13	18	0.29
(1,2922)	2:92:B:MK8:HB1A	2:93:B:VAL:H	2	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2922)	2:92:B:MK8:HB1B	2:93:B:VAL:H	2	0.29
(1,2922)	2:92:B:MK8:HB1A	2:93:B:VAL:H	6	0.29
(1,2922)	2:92:B:MK8:HB1B	2:93:B:VAL:H	6	0.29
(1,2922)	2:92:B:MK8:HB1A	2:93:B:VAL:H	12	0.29
(1,2922)	2:92:B:MK8:HB1B	2:93:B:VAL:H	12	0.29
(1,2894)	2:84:B:ARG:HG3	2:85:B:ASN:H	5	0.29
(1,2894)	2:84:B:ARG:HG3	2:85:B:ASN:H	10	0.29
(1,2892)	2:84:B:ARG:HA	2:84:B:ARG:HG3	11	0.29
(1,2890)	2:84:B:ARG:H	2:84:B:ARG:HG3	17	0.29
(1,2683)	2:84:B:ARG:HA	2:84:B:ARG:HD3	4	0.29
(1,2447)	1:131:A:LEU:HB3	1:119:A:PHE:HE1	11	0.29
(1,2447)	1:131:A:LEU:HB3	1:119:A:PHE:HE2	11	0.29
(1,2345)	1:163:A:LEU:HB3	1:164:A:HIS:HE1	8	0.29
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG21	3	0.29
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG22	3	0.29
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG23	3	0.29
(1,2088)	1:139:A:ALA:HA	1:142:A:VAL:HG11	14	0.29
(1,2088)	1:139:A:ALA:HA	1:142:A:VAL:HG12	14	0.29
(1,2088)	1:139:A:ALA:HA	1:142:A:VAL:HG13	14	0.29
(1,2051)	1:184:A:GLY:H	1:183:A:LEU:HD11	2	0.29
(1,2051)	1:184:A:GLY:H	1:183:A:LEU:HD12	2	0.29
(1,2051)	1:184:A:GLY:H	1:183:A:LEU:HD13	2	0.29
(1,2051)	1:184:A:GLY:H	1:183:A:LEU:HD11	3	0.29
(1,2051)	1:184:A:GLY:H	1:183:A:LEU:HD12	3	0.29
(1,2051)	1:184:A:GLY:H	1:183:A:LEU:HD13	3	0.29
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG21	10	0.29
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG22	10	0.29
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG23	10	0.29
(1,2013)	1:31:A:THR:HB	1:159:A:VAL:HG11	10	0.29
(1,2013)	1:31:A:THR:HB	1:159:A:VAL:HG12	10	0.29
(1,2013)	1:31:A:THR:HB	1:159:A:VAL:HG13	10	0.29
(1,1952)	1:35:A:PHE:HB3	1:31:A:THR:HG21	2	0.29
(1,1952)	1:35:A:PHE:HB3	1:31:A:THR:HG22	2	0.29
(1,1952)	1:35:A:PHE:HB3	1:31:A:THR:HG23	2	0.29
(1,1895)	1:142:A:VAL:HB	1:147:A:LEU:HD21	9	0.29
(1,1895)	1:142:A:VAL:HB	1:147:A:LEU:HD22	9	0.29
(1,1895)	1:142:A:VAL:HB	1:147:A:LEU:HD23	9	0.29
(1,1870)	1:63:A:LEU:H	1:63:A:LEU:HD11	4	0.29
(1,1870)	1:63:A:LEU:H	1:63:A:LEU:HD12	4	0.29
(1,1870)	1:63:A:LEU:H	1:63:A:LEU:HD13	4	0.29
(1,1842)	1:165:A:HIS:HA	1:166:A:CYS:HB3	6	0.29
(1,1836)	1:175:A:GLY:H	1:174:A:ARG:HG3	8	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1836)	1:175:A:GLY:H	1:174:A:ARG:HG3	12	0.29
(1,1836)	1:175:A:GLY:H	1:174:A:ARG:HG3	17	0.29
(1,1836)	1:175:A:GLY:H	1:174:A:ARG:HG3	20	0.29
(1,1766)	1:20:A:PRO:HD3	1:19:A:LEU:HG	5	0.29
(1,1766)	1:20:A:PRO:HD3	1:19:A:LEU:HG	6	0.29
(1,1766)	1:20:A:PRO:HD3	1:19:A:LEU:HG	8	0.29
(1,1766)	1:20:A:PRO:HD3	1:19:A:LEU:HG	14	0.29
(1,1766)	1:20:A:PRO:HD3	1:19:A:LEU:HG	16	0.29
(1,1766)	1:20:A:PRO:HD3	1:19:A:LEU:HG	19	0.29
(1,1743)	1:137:A:ARG:HA	1:137:A:ARG:HG3	20	0.29
(1,1713)	1:137:A:ARG:HB3	1:137:A:ARG:HG3	15	0.29
(1,1490)	1:47:A:GLN:HA	1:47:A:GLN:HG3	18	0.29
(1,1482)	1:45:A:GLN:HB3	1:45:A:GLN:HG3	10	0.29
(1,1479)	1:34:A:VAL:HG11	1:71:A:MET:HG3	14	0.29
(1,1479)	1:34:A:VAL:HG12	1:71:A:MET:HG3	14	0.29
(1,1479)	1:34:A:VAL:HG13	1:71:A:MET:HG3	14	0.29
(1,1249)	1:86:A:ASN:HD22	1:42:A:ARG:HD3	4	0.29
(1,1189)	1:159:A:VAL:HG11	1:156:A:ARG:HD3	11	0.29
(1,1189)	1:159:A:VAL:HG12	1:156:A:ARG:HD3	11	0.29
(1,1189)	1:159:A:VAL:HG13	1:156:A:ARG:HD3	11	0.29
(1,1189)	1:159:A:VAL:HG11	1:156:A:ARG:HD3	13	0.29
(1,1189)	1:159:A:VAL:HG12	1:156:A:ARG:HD3	13	0.29
(1,1189)	1:159:A:VAL:HG13	1:156:A:ARG:HD3	13	0.29
(1,1154)	1:87:A:ARG:HB3	1:87:A:ARG:HD3	3	0.29
(1,1154)	1:87:A:ARG:HB3	1:87:A:ARG:HD3	5	0.29
(1,1154)	1:87:A:ARG:HB3	1:87:A:ARG:HD3	11	0.29
(1,1027)	1:27:A:VAL:HG21	1:168:A:ALA:HA	12	0.29
(1,1027)	1:27:A:VAL:HG22	1:168:A:ALA:HA	12	0.29
(1,1027)	1:27:A:VAL:HG23	1:168:A:ALA:HA	12	0.29
(1,919)	1:21:A:SER:HB3	1:21:A:SER:HA	6	0.29
(1,874)	1:63:A:LEU:HD21	1:36:A:ARG:HA	4	0.29
(1,874)	1:63:A:LEU:HD22	1:36:A:ARG:HA	4	0.29
(1,874)	1:63:A:LEU:HD23	1:36:A:ARG:HA	4	0.29
(1,868)	1:25:A:GLU:HG3	1:25:A:GLU:HA	5	0.29
(1,767)	1:40:A:PHE:HB3	1:37:A:SER:HB3	2	0.29
(1,767)	1:40:A:PHE:HB3	1:37:A:SER:HB3	12	0.29
(1,766)	1:38:A:TYR:H	1:37:A:SER:HB3	12	0.29
(1,509)	1:77:A:GLN:HB3	1:77:A:GLN:HE21	13	0.29
(1,491)	1:163:A:LEU:HB3	1:164:A:HIS:H	17	0.29
(1,475)	1:152:A:GLY:HA3	1:155:A:THR:H	2	0.29
(1,475)	1:152:A:GLY:HA3	1:155:A:THR:H	8	0.29
(1,475)	1:152:A:GLY:HA3	1:155:A:THR:H	11	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,336)	1:127:A:ARG:HB3	1:124:A:ASN:H	9	0.29
(1,325)	1:42:A:ARG:HB3	1:44:A:GLN:H	15	0.29
(1,252)	1:51:A:GLY:HA3	1:52:A:VAL:H	2	0.29
(1,180)	1:46:A:GLU:HB3	1:46:A:GLU:H	10	0.29
(1,130)	1:106:A:ASN:HB3	1:107:A:ALA:H	6	0.29
(1,130)	1:106:A:ASN:HB3	1:107:A:ALA:H	16	0.29
(1,130)	1:106:A:ASN:HB3	1:107:A:ALA:H	19	0.29
(1,123)	1:34:A:VAL:HG11	1:74:A:VAL:H	10	0.29
(1,123)	1:34:A:VAL:HG12	1:74:A:VAL:H	10	0.29
(1,123)	1:34:A:VAL:HG13	1:74:A:VAL:H	10	0.29
(1,97)	1:29:A:GLN:HG3	1:30:A:ASP:H	20	0.29
(1,84)	1:91:A:SER:HB3	1:92:A:GLU:H	7	0.29
(2,163)	1:170:A:TRP:O	1:174:A:ARG:N	14	0.28
(2,159)	1:158:A:VAL:O	1:162:A:MET:N	6	0.28
(2,157)	1:153:A:GLN:O	1:157:A:PHE:N	13	0.28
(2,156)	1:152:A:GLY:O	1:156:A:ARG:N	5	0.28
(2,155)	1:151:A:LEU:O	1:155:A:THR:N	8	0.28
(2,151)	1:127:A:ARG:O	1:131:A:LEU:N	3	0.28
(2,151)	1:127:A:ARG:O	1:131:A:LEU:N	11	0.28
(2,150)	1:113:A:LYS:O	1:117:A:SER:N	14	0.28
(2,150)	1:113:A:LYS:O	1:117:A:SER:N	17	0.28
(2,149)	1:112:A:THR:O	1:116:A:THR:N	1	0.28
(2,149)	1:112:A:THR:O	1:116:A:THR:N	2	0.28
(2,149)	1:112:A:THR:O	1:116:A:THR:N	7	0.28
(2,149)	1:112:A:THR:O	1:116:A:THR:N	18	0.28
(2,145)	1:106:A:ASN:O	1:110:A:TYR:N	20	0.28
(2,143)	1:93:A:PHE:O	1:97:A:LEU:N	14	0.28
(2,139)	1:40:A:PHE:O	1:44:A:GLN:N	9	0.28
(2,139)	1:40:A:PHE:O	1:44:A:GLN:N	13	0.28
(2,138)	1:39:A:VAL:O	1:43:A:HIS:N	4	0.28
(2,138)	1:39:A:VAL:O	1:43:A:HIS:N	7	0.28
(2,138)	1:39:A:VAL:O	1:43:A:HIS:N	18	0.28
(2,137)	1:38:A:TYR:O	1:42:A:ARG:N	1	0.28
(2,137)	1:38:A:TYR:O	1:42:A:ARG:N	4	0.28
(2,135)	1:35:A:PHE:O	1:39:A:VAL:N	17	0.28
(2,127)	1:24:A:GLU:O	1:28:A:ALA:N	9	0.28
(2,127)	1:24:A:GLU:O	1:28:A:ALA:N	15	0.28
(2,9)	1:28:A:ALA:O	1:32:A:GLU:H	20	0.28
(1,3103)	1:89:A:TYR:HD1	2:92:B:MK8:HB1A	19	0.28
(1,3103)	1:89:A:TYR:HD1	2:92:B:MK8:HB1B	19	0.28
(1,3103)	1:89:A:TYR:HD2	2:92:B:MK8:HB1A	19	0.28
(1,3103)	1:89:A:TYR:HD2	2:92:B:MK8:HB1B	19	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3096)	1:126:A:GLY:H	2:98:B:ASP:HB3	14	0.28
(1,2965)	1:113:A:LYS:HB3	2:86:B:ILE:HD11	4	0.28
(1,2965)	1:113:A:LYS:HB3	2:86:B:ILE:HD12	4	0.28
(1,2965)	1:113:A:LYS:HB3	2:86:B:ILE:HD13	4	0.28
(1,2965)	1:113:A:LYS:HB3	2:86:B:ILE:HD11	14	0.28
(1,2965)	1:113:A:LYS:HB3	2:86:B:ILE:HD12	14	0.28
(1,2965)	1:113:A:LYS:HB3	2:86:B:ILE:HD13	14	0.28
(1,2922)	2:92:B:MK8:HB1A	2:93:B:VAL:H	16	0.28
(1,2922)	2:92:B:MK8:HB1B	2:93:B:VAL:H	16	0.28
(1,2894)	2:84:B:ARG:HG3	2:85:B:ASN:H	1	0.28
(1,2822)	2:88:B:ARG:HA	2:88:B:ARG:HD3	14	0.28
(1,2683)	2:84:B:ARG:HA	2:84:B:ARG:HD3	7	0.28
(1,2683)	2:84:B:ARG:HA	2:84:B:ARG:HD3	15	0.28
(1,2586)	1:100:A:LEU:HD11	1:110:A:TYR:HE1	11	0.28
(1,2586)	1:100:A:LEU:HD11	1:110:A:TYR:HE2	11	0.28
(1,2586)	1:100:A:LEU:HD12	1:110:A:TYR:HE1	11	0.28
(1,2586)	1:100:A:LEU:HD12	1:110:A:TYR:HE2	11	0.28
(1,2586)	1:100:A:LEU:HD13	1:110:A:TYR:HE1	11	0.28
(1,2586)	1:100:A:LEU:HD13	1:110:A:TYR:HE2	11	0.28
(1,2574)	1:76:A:ARG:HB3	1:41:A:TYR:HE1	5	0.28
(1,2574)	1:76:A:ARG:HB3	1:41:A:TYR:HE2	5	0.28
(1,2496)	1:158:A:VAL:HG21	1:35:A:PHE:HZ	10	0.28
(1,2496)	1:158:A:VAL:HG22	1:35:A:PHE:HZ	10	0.28
(1,2496)	1:158:A:VAL:HG23	1:35:A:PHE:HZ	10	0.28
(1,2400)	1:36:A:ARG:HD3	1:35:A:PHE:HD1	4	0.28
(1,2400)	1:36:A:ARG:HD3	1:35:A:PHE:HD2	4	0.28
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB1	6	0.28
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB2	6	0.28
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB3	6	0.28
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB1	6	0.28
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB2	6	0.28
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB3	6	0.28
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB1	6	0.28
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB2	6	0.28
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB3	6	0.28
(1,2109)	1:147:A:LEU:HD21	1:142:A:VAL:HG11	14	0.28
(1,2109)	1:147:A:LEU:HD21	1:142:A:VAL:HG12	14	0.28
(1,2109)	1:147:A:LEU:HD21	1:142:A:VAL:HG13	14	0.28
(1,2109)	1:147:A:LEU:HD22	1:142:A:VAL:HG11	14	0.28
(1,2109)	1:147:A:LEU:HD22	1:142:A:VAL:HG12	14	0.28
(1,2109)	1:147:A:LEU:HD22	1:142:A:VAL:HG13	14	0.28
(1,2109)	1:147:A:LEU:HD23	1:142:A:VAL:HG11	14	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2109)	1:147:A:LEU:HD23	1:142:A:VAL:HG12	14	0.28
(1,2109)	1:147:A:LEU:HD23	1:142:A:VAL:HG13	14	0.28
(1,2051)	1:184:A:GLY:H	1:183:A:LEU:HD11	4	0.28
(1,2051)	1:184:A:GLY:H	1:183:A:LEU:HD12	4	0.28
(1,2051)	1:184:A:GLY:H	1:183:A:LEU:HD13	4	0.28
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG21	8	0.28
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG22	8	0.28
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG23	8	0.28
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG21	19	0.28
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG22	19	0.28
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG23	19	0.28
(1,2016)	1:32:A:GLU:H	1:159:A:VAL:HG11	13	0.28
(1,2016)	1:32:A:GLU:H	1:159:A:VAL:HG12	13	0.28
(1,2016)	1:32:A:GLU:H	1:159:A:VAL:HG13	13	0.28
(1,2013)	1:31:A:THR:HB	1:159:A:VAL:HG11	12	0.28
(1,2013)	1:31:A:THR:HB	1:159:A:VAL:HG12	12	0.28
(1,2013)	1:31:A:THR:HB	1:159:A:VAL:HG13	12	0.28
(1,1960)	1:177:A:TRP:HE3	1:74:A:VAL:HG21	2	0.28
(1,1960)	1:177:A:TRP:HE3	1:74:A:VAL:HG22	2	0.28
(1,1960)	1:177:A:TRP:HE3	1:74:A:VAL:HG23	2	0.28
(1,1960)	1:177:A:TRP:HE3	1:74:A:VAL:HG21	13	0.28
(1,1960)	1:177:A:TRP:HE3	1:74:A:VAL:HG22	13	0.28
(1,1960)	1:177:A:TRP:HE3	1:74:A:VAL:HG23	13	0.28
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG21	12	0.28
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG22	12	0.28
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG23	12	0.28
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG21	12	0.28
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG22	12	0.28
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG23	12	0.28
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG21	12	0.28
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG22	12	0.28
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG23	12	0.28
(1,1946)	1:110:A:TYR:HA	1:100:A:LEU:HD21	18	0.28
(1,1946)	1:110:A:TYR:HA	1:100:A:LEU:HD22	18	0.28
(1,1946)	1:110:A:TYR:HA	1:100:A:LEU:HD23	18	0.28
(1,1924)	1:180:A:ALA:HA	1:183:A:LEU:HD21	7	0.28
(1,1924)	1:180:A:ALA:HA	1:183:A:LEU:HD22	7	0.28
(1,1924)	1:180:A:ALA:HA	1:183:A:LEU:HD23	7	0.28
(1,1872)	1:64:A:PRO:HD3	1:63:A:LEU:HD11	5	0.28
(1,1872)	1:64:A:PRO:HD3	1:63:A:LEU:HD12	5	0.28
(1,1872)	1:64:A:PRO:HD3	1:63:A:LEU:HD13	5	0.28
(1,1872)	1:64:A:PRO:HD3	1:63:A:LEU:HD11	8	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1872)	1:64:A:PRO:HD3	1:63:A:LEU:HD12	8	0.28
(1,1872)	1:64:A:PRO:HD3	1:63:A:LEU:HD13	8	0.28
(1,1845)	1:178:A:VAL:HA	1:181:A:LEU:HD11	19	0.28
(1,1845)	1:178:A:VAL:HA	1:181:A:LEU:HD12	19	0.28
(1,1845)	1:178:A:VAL:HA	1:181:A:LEU:HD13	19	0.28
(1,1795)	1:169:A:ARG:H	1:169:A:ARG:HG3	4	0.28
(1,1766)	1:20:A:PRO:HD3	1:19:A:LEU:HG	3	0.28
(1,1766)	1:20:A:PRO:HD3	1:19:A:LEU:HG	4	0.28
(1,1766)	1:20:A:PRO:HD3	1:19:A:LEU:HG	9	0.28
(1,1766)	1:20:A:PRO:HD3	1:19:A:LEU:HG	12	0.28
(1,1766)	1:20:A:PRO:HD3	1:19:A:LEU:HG	15	0.28
(1,1766)	1:20:A:PRO:HD3	1:19:A:LEU:HG	17	0.28
(1,1766)	1:20:A:PRO:HD3	1:19:A:LEU:HG	20	0.28
(1,1713)	1:137:A:ARG:HB3	1:137:A:ARG:HG3	2	0.28
(1,1661)	1:106:A:ASN:H	1:105:A:GLU:HB3	18	0.28
(1,1638)	1:88:A:ARG:H	1:87:A:ARG:HB3	10	0.28
(1,1634)	1:25:A:GLU:H	1:24:A:GLU:HB3	16	0.28
(1,1633)	1:169:A:ARG:HD3	1:24:A:GLU:HB3	3	0.28
(1,1490)	1:47:A:GLN:HA	1:47:A:GLN:HG3	2	0.28
(1,1418)	1:120:A:GLU:H	1:120:A:GLU:HG3	9	0.28
(1,1252)	1:79:A:ALA:HB1	1:42:A:ARG:HD3	18	0.28
(1,1252)	1:79:A:ALA:HB2	1:42:A:ARG:HD3	18	0.28
(1,1252)	1:79:A:ALA:HB3	1:42:A:ARG:HD3	18	0.28
(1,994)	1:50:A:GLU:HG3	1:50:A:GLU:HA	2	0.28
(1,861)	1:46:A:GLU:HB3	1:43:A:HIS:HA	5	0.28
(1,861)	1:46:A:GLU:HB3	1:43:A:HIS:HA	9	0.28
(1,475)	1:152:A:GLY:HA3	1:155:A:THR:H	1	0.28
(1,325)	1:42:A:ARG:HB3	1:44:A:GLN:H	13	0.28
(1,283)	1:42:A:ARG:HB3	1:41:A:TYR:H	12	0.28
(1,234)	1:163:A:LEU:HB3	1:163:A:LEU:H	15	0.28
(1,72)	1:34:A:VAL:HG21	1:38:A:TYR:H	3	0.28
(1,72)	1:34:A:VAL:HG22	1:38:A:TYR:H	3	0.28
(1,72)	1:34:A:VAL:HG23	1:38:A:TYR:H	3	0.28
(1,72)	1:34:A:VAL:HG21	1:38:A:TYR:H	19	0.28
(1,72)	1:34:A:VAL:HG22	1:38:A:TYR:H	19	0.28
(1,72)	1:34:A:VAL:HG23	1:38:A:TYR:H	19	0.28
(2,161)	1:168:A:ALA:O	1:172:A:ALA:N	18	0.27
(2,161)	1:168:A:ALA:O	1:172:A:ALA:N	19	0.27
(2,160)	1:159:A:VAL:O	1:163:A:LEU:N	19	0.27
(2,159)	1:158:A:VAL:O	1:162:A:MET:N	2	0.27
(2,157)	1:153:A:GLN:O	1:157:A:PHE:N	1	0.27
(2,156)	1:152:A:GLY:O	1:156:A:ARG:N	18	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,154)	1:150:A:PHE:O	1:154:A:VAL:N	3	0.27
(2,154)	1:150:A:PHE:O	1:154:A:VAL:N	4	0.27
(2,154)	1:150:A:PHE:O	1:154:A:VAL:N	12	0.27
(2,154)	1:150:A:PHE:O	1:154:A:VAL:N	14	0.27
(2,154)	1:150:A:PHE:O	1:154:A:VAL:N	18	0.27
(2,151)	1:127:A:ARG:O	1:131:A:LEU:N	12	0.27
(2,149)	1:112:A:THR:O	1:116:A:THR:N	12	0.27
(2,146)	1:107:A:ALA:O	1:111:A:PHE:N	15	0.27
(2,145)	1:106:A:ASN:O	1:110:A:TYR:N	6	0.27
(2,145)	1:106:A:ASN:O	1:110:A:TYR:N	14	0.27
(2,143)	1:93:A:PHE:O	1:97:A:LEU:N	3	0.27
(2,143)	1:93:A:PHE:O	1:97:A:LEU:N	7	0.27
(2,137)	1:38:A:TYR:O	1:42:A:ARG:N	17	0.27
(2,135)	1:35:A:PHE:O	1:39:A:VAL:N	10	0.27
(2,133)	1:33:A:GLU:O	1:37:A:SER:N	3	0.27
(2,130)	1:30:A:ASP:O	1:34:A:VAL:N	19	0.27
(2,127)	1:24:A:GLU:O	1:28:A:ALA:N	1	0.27
(2,127)	1:24:A:GLU:O	1:28:A:ALA:N	2	0.27
(2,127)	1:24:A:GLU:O	1:28:A:ALA:N	6	0.27
(2,127)	1:24:A:GLU:O	1:28:A:ALA:N	10	0.27
(2,127)	1:24:A:GLU:O	1:28:A:ALA:N	16	0.27
(2,9)	1:28:A:ALA:O	1:32:A:GLU:H	6	0.27
(1,3103)	1:89:A:TYR:HD1	2:92:B:MK8:HB1A	12	0.27
(1,3103)	1:89:A:TYR:HD1	2:92:B:MK8:HB1B	12	0.27
(1,3103)	1:89:A:TYR:HD2	2:92:B:MK8:HB1A	12	0.27
(1,3103)	1:89:A:TYR:HD2	2:92:B:MK8:HB1B	12	0.27
(1,3096)	1:126:A:GLY:H	2:98:B:ASP:HB3	9	0.27
(1,2965)	1:113:A:LYS:HB3	2:86:B:ILE:HD11	20	0.27
(1,2965)	1:113:A:LYS:HB3	2:86:B:ILE:HD12	20	0.27
(1,2965)	1:113:A:LYS:HB3	2:86:B:ILE:HD13	20	0.27
(1,2936)	2:99:B:ARG:HB3	2:99:B:ARG:HD3	20	0.27
(1,2922)	2:92:B:MK8:HB1A	2:93:B:VAL:H	8	0.27
(1,2922)	2:92:B:MK8:HB1B	2:93:B:VAL:H	8	0.27
(1,2902)	2:87:B:ALA:HA	2:90:B:LEU:HB3	8	0.27
(1,2894)	2:84:B:ARG:HG3	2:85:B:ASN:H	15	0.27
(1,2892)	2:84:B:ARG:HA	2:84:B:ARG:HG3	16	0.27
(1,2822)	2:88:B:ARG:HA	2:88:B:ARG:HD3	2	0.27
(1,2683)	2:84:B:ARG:HA	2:84:B:ARG:HD3	6	0.27
(1,2658)	2:89:B:HIS:HA	2:92:B:MK8:HB	1	0.27
(1,2346)	1:42:A:ARG:HD3	1:43:A:HIS:HE1	10	0.27
(1,2133)	1:159:A:VAL:HG21	1:28:A:ALA:HB1	9	0.27
(1,2133)	1:159:A:VAL:HG21	1:28:A:ALA:HB2	9	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2133)	1:159:A:VAL:HG21	1:28:A:ALA:HB3	9	0.27
(1,2133)	1:159:A:VAL:HG22	1:28:A:ALA:HB1	9	0.27
(1,2133)	1:159:A:VAL:HG22	1:28:A:ALA:HB2	9	0.27
(1,2133)	1:159:A:VAL:HG22	1:28:A:ALA:HB3	9	0.27
(1,2133)	1:159:A:VAL:HG23	1:28:A:ALA:HB1	9	0.27
(1,2133)	1:159:A:VAL:HG23	1:28:A:ALA:HB2	9	0.27
(1,2133)	1:159:A:VAL:HG23	1:28:A:ALA:HB3	9	0.27
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG21	17	0.27
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG22	17	0.27
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG23	17	0.27
(1,1986)	1:35:A:PHE:HD1	1:39:A:VAL:HG21	2	0.27
(1,1986)	1:35:A:PHE:HD1	1:39:A:VAL:HG22	2	0.27
(1,1986)	1:35:A:PHE:HD1	1:39:A:VAL:HG23	2	0.27
(1,1986)	1:35:A:PHE:HD2	1:39:A:VAL:HG21	2	0.27
(1,1986)	1:35:A:PHE:HD2	1:39:A:VAL:HG22	2	0.27
(1,1986)	1:35:A:PHE:HD2	1:39:A:VAL:HG23	2	0.27
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG21	11	0.27
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG22	11	0.27
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG23	11	0.27
(1,1960)	1:177:A:TRP:HE3	1:74:A:VAL:HG21	11	0.27
(1,1960)	1:177:A:TRP:HE3	1:74:A:VAL:HG22	11	0.27
(1,1960)	1:177:A:TRP:HE3	1:74:A:VAL:HG23	11	0.27
(1,1924)	1:180:A:ALA:HA	1:183:A:LEU:HD21	5	0.27
(1,1924)	1:180:A:ALA:HA	1:183:A:LEU:HD22	5	0.27
(1,1924)	1:180:A:ALA:HA	1:183:A:LEU:HD23	5	0.27
(1,1924)	1:180:A:ALA:HA	1:183:A:LEU:HD21	20	0.27
(1,1924)	1:180:A:ALA:HA	1:183:A:LEU:HD22	20	0.27
(1,1924)	1:180:A:ALA:HA	1:183:A:LEU:HD23	20	0.27
(1,1836)	1:175:A:GLY:H	1:174:A:ARG:HG3	6	0.27
(1,1827)	1:162:A:MET:HE1	1:131:A:LEU:HD11	3	0.27
(1,1827)	1:162:A:MET:HE1	1:131:A:LEU:HD12	3	0.27
(1,1827)	1:162:A:MET:HE1	1:131:A:LEU:HD13	3	0.27
(1,1827)	1:162:A:MET:HE2	1:131:A:LEU:HD11	3	0.27
(1,1827)	1:162:A:MET:HE2	1:131:A:LEU:HD12	3	0.27
(1,1827)	1:162:A:MET:HE2	1:131:A:LEU:HD13	3	0.27
(1,1827)	1:162:A:MET:HE3	1:131:A:LEU:HD11	3	0.27
(1,1827)	1:162:A:MET:HE3	1:131:A:LEU:HD12	3	0.27
(1,1827)	1:162:A:MET:HE3	1:131:A:LEU:HD13	3	0.27
(1,1743)	1:137:A:ARG:HA	1:137:A:ARG:HG3	16	0.27
(1,1738)	1:77:A:GLN:HE22	1:77:A:GLN:HB3	12	0.27
(1,1709)	1:98:A:GLN:HE22	1:98:A:GLN:HB3	1	0.27
(1,1707)	1:94:A:GLN:HE22	1:94:A:GLN:HB3	17	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1675)	1:84:A:ASP:HB3	1:85:A:ILE:HG13	20	0.27
(1,1661)	1:106:A:ASN:H	1:105:A:GLU:HB3	13	0.27
(1,1638)	1:88:A:ARG:H	1:87:A:ARG:HB3	17	0.27
(1,1634)	1:25:A:GLU:H	1:24:A:GLU:HB3	11	0.27
(1,1497)	1:150:A:PHE:HB3	1:153:A:GLN:HG3	12	0.27
(1,1490)	1:47:A:GLN:HA	1:47:A:GLN:HG3	10	0.27
(1,1482)	1:45:A:GLN:HB3	1:45:A:GLN:HG3	12	0.27
(1,1482)	1:45:A:GLN:HB3	1:45:A:GLN:HG3	17	0.27
(1,1476)	1:29:A:GLN:H	1:29:A:GLN:HG3	19	0.27
(1,1297)	1:85:A:ILE:H	1:84:A:ASP:HB3	16	0.27
(1,1189)	1:159:A:VAL:HG11	1:156:A:ARG:HD3	3	0.27
(1,1189)	1:159:A:VAL:HG12	1:156:A:ARG:HD3	3	0.27
(1,1189)	1:159:A:VAL:HG13	1:156:A:ARG:HD3	3	0.27
(1,1156)	1:156:A:ARG:H	1:156:A:ARG:HD3	14	0.27
(1,1088)	1:65:A:LEU:H	1:64:A:PRO:HD3	2	0.27
(1,1088)	1:65:A:LEU:H	1:64:A:PRO:HD3	13	0.27
(1,1043)	1:182:A:ASN:HB3	1:179:A:ALA:HA	9	0.27
(1,1027)	1:27:A:VAL:HG21	1:168:A:ALA:HA	5	0.27
(1,1027)	1:27:A:VAL:HG22	1:168:A:ALA:HA	5	0.27
(1,1027)	1:27:A:VAL:HG23	1:168:A:ALA:HA	5	0.27
(1,861)	1:46:A:GLU:HB3	1:43:A:HIS:HA	10	0.27
(1,653)	1:73:A:GLN:HG3	1:70:A:THR:HA	2	0.27
(1,607)	1:105:A:GLU:H	1:103:A:THR:HB	12	0.27
(1,538)	1:22:A:ALA:HA	1:26:A:GLN:HE22	6	0.27
(1,538)	1:22:A:ALA:HA	1:26:A:GLN:HE22	15	0.27
(1,379)	1:50:A:GLU:HB3	1:50:A:GLU:H	15	0.27
(1,379)	1:50:A:GLU:HB3	1:50:A:GLU:H	16	0.27
(1,283)	1:42:A:ARG:HB3	1:41:A:TYR:H	20	0.27
(1,264)	1:86:A:ASN:HB3	1:86:A:ASN:H	16	0.27
(1,190)	1:183:A:LEU:HD21	1:125:A:TRP:H	15	0.27
(1,190)	1:183:A:LEU:HD22	1:125:A:TRP:H	15	0.27
(1,190)	1:183:A:LEU:HD23	1:125:A:TRP:H	15	0.27
(1,180)	1:46:A:GLU:HB3	1:46:A:GLU:H	1	0.27
(1,130)	1:106:A:ASN:HB3	1:107:A:ALA:H	17	0.27
(1,72)	1:34:A:VAL:HG21	1:38:A:TYR:H	11	0.27
(1,72)	1:34:A:VAL:HG22	1:38:A:TYR:H	11	0.27
(1,72)	1:34:A:VAL:HG23	1:38:A:TYR:H	11	0.27
(2,163)	1:170:A:TRP:O	1:174:A:ARG:N	1	0.26
(2,163)	1:170:A:TRP:O	1:174:A:ARG:N	12	0.26
(2,163)	1:170:A:TRP:O	1:174:A:ARG:N	13	0.26
(2,163)	1:170:A:TRP:O	1:174:A:ARG:N	15	0.26
(2,163)	1:170:A:TRP:O	1:174:A:ARG:N	17	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,163)	1:170:A:TRP:O	1:174:A:ARG:N	20	0.26
(2,158)	1:156:A:ARG:O	1:160:A:ASP:N	10	0.26
(2,157)	1:153:A:GLN:O	1:157:A:PHE:N	4	0.26
(2,151)	1:127:A:ARG:O	1:131:A:LEU:N	9	0.26
(2,151)	1:127:A:ARG:O	1:131:A:LEU:N	19	0.26
(2,145)	1:106:A:ASN:O	1:110:A:TYR:N	4	0.26
(2,145)	1:106:A:ASN:O	1:110:A:TYR:N	7	0.26
(2,144)	1:94:A:GLN:O	1:98:A:GLN:N	7	0.26
(2,144)	1:94:A:GLN:O	1:98:A:GLN:N	19	0.26
(2,139)	1:40:A:PHE:O	1:44:A:GLN:N	15	0.26
(2,138)	1:39:A:VAL:O	1:43:A:HIS:N	9	0.26
(2,138)	1:39:A:VAL:O	1:43:A:HIS:N	14	0.26
(2,135)	1:35:A:PHE:O	1:39:A:VAL:N	6	0.26
(2,130)	1:30:A:ASP:O	1:34:A:VAL:N	4	0.26
(2,130)	1:30:A:ASP:O	1:34:A:VAL:N	17	0.26
(1,3103)	1:89:A:TYR:HD1	2:92:B:MK8:HB1A	7	0.26
(1,3103)	1:89:A:TYR:HD1	2:92:B:MK8:HB1B	7	0.26
(1,3103)	1:89:A:TYR:HD2	2:92:B:MK8:HB1A	7	0.26
(1,3103)	1:89:A:TYR:HD2	2:92:B:MK8:HB1B	7	0.26
(1,3103)	1:89:A:TYR:HD1	2:92:B:MK8:HB1A	11	0.26
(1,3103)	1:89:A:TYR:HD1	2:92:B:MK8:HB1B	11	0.26
(1,3103)	1:89:A:TYR:HD2	2:92:B:MK8:HB1A	11	0.26
(1,3103)	1:89:A:TYR:HD2	2:92:B:MK8:HB1B	11	0.26
(1,3096)	1:126:A:GLY:H	2:98:B:ASP:HB3	4	0.26
(1,3096)	1:126:A:GLY:H	2:98:B:ASP:HB3	13	0.26
(1,3060)	1:100:A:LEU:HD11	2:83:B:ILE:HG13	8	0.26
(1,3060)	1:100:A:LEU:HD12	2:83:B:ILE:HG13	8	0.26
(1,3060)	1:100:A:LEU:HD13	2:83:B:ILE:HG13	8	0.26
(1,3060)	1:100:A:LEU:HD21	2:83:B:ILE:HG13	8	0.26
(1,3060)	1:100:A:LEU:HD22	2:83:B:ILE:HG13	8	0.26
(1,3060)	1:100:A:LEU:HD23	2:83:B:ILE:HG13	8	0.26
(1,3056)	1:100:A:LEU:HD11	2:82:B:ILE:HG13	7	0.26
(1,3056)	1:100:A:LEU:HD12	2:82:B:ILE:HG13	7	0.26
(1,3056)	1:100:A:LEU:HD13	2:82:B:ILE:HG13	7	0.26
(1,3056)	1:100:A:LEU:HD21	2:82:B:ILE:HG13	7	0.26
(1,3056)	1:100:A:LEU:HD22	2:82:B:ILE:HG13	7	0.26
(1,3056)	1:100:A:LEU:HD23	2:82:B:ILE:HG13	7	0.26
(1,2979)	1:81:A:ILE:HG21	2:101:B:ILE:HG13	17	0.26
(1,2979)	1:81:A:ILE:HG22	2:101:B:ILE:HG13	17	0.26
(1,2979)	1:81:A:ILE:HG23	2:101:B:ILE:HG13	17	0.26
(1,2965)	1:113:A:LYS:HB3	2:86:B:ILE:HD11	2	0.26
(1,2965)	1:113:A:LYS:HB3	2:86:B:ILE:HD12	2	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2965)	1:113:A:LYS:HB3	2:86:B:ILE:HD13	2	0.26
(1,2965)	1:113:A:LYS:HB3	2:86:B:ILE:HD11	15	0.26
(1,2965)	1:113:A:LYS:HB3	2:86:B:ILE:HD12	15	0.26
(1,2965)	1:113:A:LYS:HB3	2:86:B:ILE:HD13	15	0.26
(1,2936)	2:99:B:ARG:HB3	2:99:B:ARG:HD3	6	0.26
(1,2851)	2:88:B:ARG:HB3	2:88:B:ARG:HG3	11	0.26
(1,2759)	2:82:B:ILE:H	2:82:B:ILE:HB	17	0.26
(1,2710)	2:85:B:ASN:HA	2:88:B:ARG:HD3	18	0.26
(1,2601)	1:55:A:PRO:HG3	1:136:A:TYR:HE1	1	0.26
(1,2601)	1:55:A:PRO:HG3	1:136:A:TYR:HE2	1	0.26
(1,2592)	1:55:A:PRO:HA	1:136:A:TYR:HE1	12	0.26
(1,2592)	1:55:A:PRO:HA	1:136:A:TYR:HE2	12	0.26
(1,2483)	1:147:A:LEU:HD21	1:150:A:PHE:HZ	17	0.26
(1,2483)	1:147:A:LEU:HD22	1:150:A:PHE:HZ	17	0.26
(1,2483)	1:147:A:LEU:HD23	1:150:A:PHE:HZ	17	0.26
(1,2440)	1:131:A:LEU:HD21	1:134:A:PHE:HE1	18	0.26
(1,2440)	1:131:A:LEU:HD21	1:134:A:PHE:HE2	18	0.26
(1,2440)	1:131:A:LEU:HD22	1:134:A:PHE:HE1	18	0.26
(1,2440)	1:131:A:LEU:HD22	1:134:A:PHE:HE2	18	0.26
(1,2440)	1:131:A:LEU:HD23	1:134:A:PHE:HE1	18	0.26
(1,2440)	1:131:A:LEU:HD23	1:134:A:PHE:HE2	18	0.26
(1,2345)	1:163:A:LEU:HB3	1:164:A:HIS:HE1	14	0.26
(1,2345)	1:163:A:LEU:HB3	1:164:A:HIS:HE1	17	0.26
(1,2318)	1:84:A:ASP:HB3	1:85:A:ILE:HD11	4	0.26
(1,2318)	1:84:A:ASP:HB3	1:85:A:ILE:HD12	4	0.26
(1,2318)	1:84:A:ASP:HB3	1:85:A:ILE:HD13	4	0.26
(1,2201)	1:97:A:LEU:HA	1:96:A:MET:HE1	17	0.26
(1,2201)	1:97:A:LEU:HA	1:96:A:MET:HE2	17	0.26
(1,2201)	1:97:A:LEU:HA	1:96:A:MET:HE3	17	0.26
(1,2133)	1:159:A:VAL:HG21	1:28:A:ALA:HB1	1	0.26
(1,2133)	1:159:A:VAL:HG21	1:28:A:ALA:HB2	1	0.26
(1,2133)	1:159:A:VAL:HG21	1:28:A:ALA:HB3	1	0.26
(1,2133)	1:159:A:VAL:HG22	1:28:A:ALA:HB1	1	0.26
(1,2133)	1:159:A:VAL:HG22	1:28:A:ALA:HB2	1	0.26
(1,2133)	1:159:A:VAL:HG22	1:28:A:ALA:HB3	1	0.26
(1,2133)	1:159:A:VAL:HG23	1:28:A:ALA:HB1	1	0.26
(1,2133)	1:159:A:VAL:HG23	1:28:A:ALA:HB2	1	0.26
(1,2133)	1:159:A:VAL:HG23	1:28:A:ALA:HB3	1	0.26
(1,2087)	1:150:A:PHE:HE1	1:142:A:VAL:HG11	14	0.26
(1,2087)	1:150:A:PHE:HE1	1:142:A:VAL:HG12	14	0.26
(1,2087)	1:150:A:PHE:HE1	1:142:A:VAL:HG13	14	0.26
(1,2087)	1:150:A:PHE:HE2	1:142:A:VAL:HG11	14	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2087)	1:150:A:PHE:HE2	1:142:A:VAL:HG12	14	0.26
(1,2087)	1:150:A:PHE:HE2	1:142:A:VAL:HG13	14	0.26
(1,2051)	1:184:A:GLY:H	1:183:A:LEU:HD11	13	0.26
(1,2051)	1:184:A:GLY:H	1:183:A:LEU:HD12	13	0.26
(1,2051)	1:184:A:GLY:H	1:183:A:LEU:HD13	13	0.26
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG21	18	0.26
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG22	18	0.26
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG23	18	0.26
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG21	16	0.26
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG22	16	0.26
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG23	16	0.26
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG21	20	0.26
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG22	20	0.26
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG23	20	0.26
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG21	20	0.26
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG22	20	0.26
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG23	20	0.26
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG21	20	0.26
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG22	20	0.26
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG23	20	0.26
(1,1860)	1:131:A:LEU:HA	1:118:A:LEU:HD21	19	0.26
(1,1860)	1:131:A:LEU:HA	1:118:A:LEU:HD22	19	0.26
(1,1860)	1:131:A:LEU:HA	1:118:A:LEU:HD23	19	0.26
(1,1849)	1:40:A:PHE:HB3	1:63:A:LEU:HD21	11	0.26
(1,1849)	1:40:A:PHE:HB3	1:63:A:LEU:HD22	11	0.26
(1,1849)	1:40:A:PHE:HB3	1:63:A:LEU:HD23	11	0.26
(1,1849)	1:40:A:PHE:HB3	1:63:A:LEU:HD21	19	0.26
(1,1849)	1:40:A:PHE:HB3	1:63:A:LEU:HD22	19	0.26
(1,1849)	1:40:A:PHE:HB3	1:63:A:LEU:HD23	19	0.26
(1,1730)	1:144:A:GLN:H	1:145:A:HIS:HB3	13	0.26
(1,1713)	1:137:A:ARG:HB3	1:137:A:ARG:HG3	6	0.26
(1,1661)	1:106:A:ASN:H	1:105:A:GLU:HB3	2	0.26
(1,1661)	1:106:A:ASN:H	1:105:A:GLU:HB3	9	0.26
(1,1661)	1:106:A:ASN:H	1:105:A:GLU:HB3	10	0.26
(1,1644)	1:118:A:LEU:HD11	1:127:A:ARG:HG3	19	0.26
(1,1644)	1:118:A:LEU:HD12	1:127:A:ARG:HG3	19	0.26
(1,1644)	1:118:A:LEU:HD13	1:127:A:ARG:HG3	19	0.26
(1,1638)	1:88:A:ARG:H	1:87:A:ARG:HB3	13	0.26
(1,1634)	1:25:A:GLU:H	1:24:A:GLU:HB3	8	0.26
(1,1634)	1:25:A:GLU:H	1:24:A:GLU:HB3	13	0.26
(1,1549)	1:61:A:VAL:HG11	1:60:A:MET:HB3	20	0.26
(1,1549)	1:61:A:VAL:HG12	1:60:A:MET:HB3	20	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1549)	1:61:A:VAL:HG13	1:60:A:MET:HB3	20	0.26
(1,1522)	1:81:A:ILE:HD11	1:77:A:GLN:HG3	2	0.26
(1,1522)	1:81:A:ILE:HD12	1:77:A:GLN:HG3	2	0.26
(1,1522)	1:81:A:ILE:HD13	1:77:A:GLN:HG3	2	0.26
(1,1497)	1:150:A:PHE:HB3	1:153:A:GLN:HG3	6	0.26
(1,1439)	1:168:A:ALA:HB1	1:24:A:GLU:HG3	11	0.26
(1,1439)	1:168:A:ALA:HB2	1:24:A:GLU:HG3	11	0.26
(1,1439)	1:168:A:ALA:HB3	1:24:A:GLU:HG3	11	0.26
(1,1427)	1:92:A:GLU:HA	1:92:A:GLU:HG3	20	0.26
(1,1418)	1:120:A:GLU:H	1:120:A:GLU:HG3	15	0.26
(1,1252)	1:79:A:ALA:HB1	1:42:A:ARG:HD3	9	0.26
(1,1252)	1:79:A:ALA:HB2	1:42:A:ARG:HD3	9	0.26
(1,1252)	1:79:A:ALA:HB3	1:42:A:ARG:HD3	9	0.26
(1,1138)	1:52:A:VAL:HG11	1:51:A:GLY:HA3	5	0.26
(1,1138)	1:52:A:VAL:HG12	1:51:A:GLY:HA3	5	0.26
(1,1138)	1:52:A:VAL:HG13	1:51:A:GLY:HA3	5	0.26
(1,1138)	1:52:A:VAL:HG21	1:51:A:GLY:HA3	5	0.26
(1,1138)	1:52:A:VAL:HG22	1:51:A:GLY:HA3	5	0.26
(1,1138)	1:52:A:VAL:HG23	1:51:A:GLY:HA3	5	0.26
(1,1095)	1:110:A:TYR:HE1	1:102:A:PRO:HD3	11	0.26
(1,1095)	1:110:A:TYR:HE2	1:102:A:PRO:HD3	11	0.26
(1,1094)	1:100:A:LEU:H	1:102:A:PRO:HD3	7	0.26
(1,1094)	1:100:A:LEU:H	1:102:A:PRO:HD3	10	0.26
(1,1088)	1:65:A:LEU:H	1:64:A:PRO:HD3	11	0.26
(1,1001)	1:73:A:GLN:HG3	1:181:A:LEU:HA	9	0.26
(1,927)	1:141:A:HIS:HB3	1:138:A:LEU:HA	14	0.26
(1,919)	1:21:A:SER:HB3	1:21:A:SER:HA	1	0.26
(1,919)	1:21:A:SER:HB3	1:21:A:SER:HA	4	0.26
(1,611)	1:63:A:LEU:H	1:62:A:THR:HB	9	0.26
(1,611)	1:63:A:LEU:H	1:62:A:THR:HB	17	0.26
(1,509)	1:77:A:GLN:HB3	1:77:A:GLN:HE21	14	0.26
(1,130)	1:106:A:ASN:HB3	1:107:A:ALA:H	1	0.26
(1,130)	1:106:A:ASN:HB3	1:107:A:ALA:H	3	0.26
(1,127)	1:99:A:HIS:HB3	1:100:A:LEU:H	13	0.26
(1,78)	1:64:A:PRO:HB3	1:65:A:LEU:H	6	0.26
(1,72)	1:34:A:VAL:HG21	1:38:A:TYR:H	4	0.26
(1,72)	1:34:A:VAL:HG22	1:38:A:TYR:H	4	0.26
(1,72)	1:34:A:VAL:HG23	1:38:A:TYR:H	4	0.26
(1,72)	1:34:A:VAL:HG21	1:38:A:TYR:H	15	0.26
(1,72)	1:34:A:VAL:HG22	1:38:A:TYR:H	15	0.26
(1,72)	1:34:A:VAL:HG23	1:38:A:TYR:H	15	0.26
(2,163)	1:170:A:TRP:O	1:174:A:ARG:N	8	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,163)	1:170:A:TRP:O	1:174:A:ARG:N	9	0.25
(2,163)	1:170:A:TRP:O	1:174:A:ARG:N	18	0.25
(2,163)	1:170:A:TRP:O	1:174:A:ARG:N	19	0.25
(2,162)	1:169:A:ARG:O	1:173:A:GLN:N	20	0.25
(2,159)	1:158:A:VAL:O	1:162:A:MET:N	20	0.25
(2,157)	1:153:A:GLN:O	1:157:A:PHE:N	11	0.25
(2,157)	1:153:A:GLN:O	1:157:A:PHE:N	16	0.25
(2,157)	1:153:A:GLN:O	1:157:A:PHE:N	17	0.25
(2,156)	1:152:A:GLY:O	1:156:A:ARG:N	1	0.25
(2,156)	1:152:A:GLY:O	1:156:A:ARG:N	3	0.25
(2,156)	1:152:A:GLY:O	1:156:A:ARG:N	13	0.25
(2,154)	1:150:A:PHE:O	1:154:A:VAL:N	16	0.25
(2,154)	1:150:A:PHE:O	1:154:A:VAL:N	17	0.25
(2,151)	1:127:A:ARG:O	1:131:A:LEU:N	4	0.25
(2,151)	1:127:A:ARG:O	1:131:A:LEU:N	15	0.25
(2,150)	1:113:A:LYS:O	1:117:A:SER:N	2	0.25
(2,150)	1:113:A:LYS:O	1:117:A:SER:N	15	0.25
(2,148)	1:111:A:PHE:O	1:115:A:ALA:N	18	0.25
(2,145)	1:106:A:ASN:O	1:110:A:TYR:N	3	0.25
(2,145)	1:106:A:ASN:O	1:110:A:TYR:N	8	0.25
(2,145)	1:106:A:ASN:O	1:110:A:TYR:N	16	0.25
(2,144)	1:94:A:GLN:O	1:98:A:GLN:N	8	0.25
(2,143)	1:93:A:PHE:O	1:97:A:LEU:N	10	0.25
(2,143)	1:93:A:PHE:O	1:97:A:LEU:N	17	0.25
(2,143)	1:93:A:PHE:O	1:97:A:LEU:N	18	0.25
(2,140)	1:78:A:LEU:O	1:82:A:GLY:N	19	0.25
(2,138)	1:39:A:VAL:O	1:43:A:HIS:N	17	0.25
(2,137)	1:38:A:TYR:O	1:42:A:ARG:N	13	0.25
(2,137)	1:38:A:TYR:O	1:42:A:ARG:N	15	0.25
(2,136)	1:37:A:SER:O	1:41:A:TYR:N	1	0.25
(2,133)	1:33:A:GLU:O	1:37:A:SER:N	20	0.25
(2,127)	1:24:A:GLU:O	1:28:A:ALA:N	3	0.25
(2,127)	1:24:A:GLU:O	1:28:A:ALA:N	4	0.25
(2,127)	1:24:A:GLU:O	1:28:A:ALA:N	5	0.25
(2,127)	1:24:A:GLU:O	1:28:A:ALA:N	12	0.25
(2,109)	1:155:A:THR:O	1:159:A:VAL:H	20	0.25
(2,11)	1:29:A:GLN:O	1:33:A:GLU:H	18	0.25
(1,3096)	1:126:A:GLY:H	2:98:B:ASP:HB3	7	0.25
(1,3096)	1:126:A:GLY:H	2:98:B:ASP:HB3	12	0.25
(1,3096)	1:126:A:GLY:H	2:98:B:ASP:HB3	20	0.25
(1,2979)	1:81:A:ILE:HG21	2:101:B:ILE:HG13	18	0.25
(1,2979)	1:81:A:ILE:HG22	2:101:B:ILE:HG13	18	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2979)	1:81:A:ILE:HG23	2:101:B:ILE:HG13	18	0.25
(1,2975)	1:81:A:ILE:HG21	2:101:B:ILE:HD11	19	0.25
(1,2975)	1:81:A:ILE:HG21	2:101:B:ILE:HD12	19	0.25
(1,2975)	1:81:A:ILE:HG21	2:101:B:ILE:HD13	19	0.25
(1,2975)	1:81:A:ILE:HG22	2:101:B:ILE:HD11	19	0.25
(1,2975)	1:81:A:ILE:HG22	2:101:B:ILE:HD12	19	0.25
(1,2975)	1:81:A:ILE:HG22	2:101:B:ILE:HD13	19	0.25
(1,2975)	1:81:A:ILE:HG23	2:101:B:ILE:HD11	19	0.25
(1,2975)	1:81:A:ILE:HG23	2:101:B:ILE:HD12	19	0.25
(1,2975)	1:81:A:ILE:HG23	2:101:B:ILE:HD13	19	0.25
(1,2928)	2:95:B:ASP:HA	2:98:B:ASP:HB3	15	0.25
(1,2901)	2:86:B:ILE:HG21	2:86:B:ILE:HG13	2	0.25
(1,2901)	2:86:B:ILE:HG22	2:86:B:ILE:HG13	2	0.25
(1,2901)	2:86:B:ILE:HG23	2:86:B:ILE:HG13	2	0.25
(1,2901)	2:86:B:ILE:HG21	2:86:B:ILE:HG13	3	0.25
(1,2901)	2:86:B:ILE:HG22	2:86:B:ILE:HG13	3	0.25
(1,2901)	2:86:B:ILE:HG23	2:86:B:ILE:HG13	3	0.25
(1,2901)	2:86:B:ILE:HG21	2:86:B:ILE:HG13	4	0.25
(1,2901)	2:86:B:ILE:HG22	2:86:B:ILE:HG13	4	0.25
(1,2901)	2:86:B:ILE:HG23	2:86:B:ILE:HG13	4	0.25
(1,2901)	2:86:B:ILE:HG21	2:86:B:ILE:HG13	9	0.25
(1,2901)	2:86:B:ILE:HG22	2:86:B:ILE:HG13	9	0.25
(1,2901)	2:86:B:ILE:HG23	2:86:B:ILE:HG13	9	0.25
(1,2901)	2:86:B:ILE:HG21	2:86:B:ILE:HG13	11	0.25
(1,2901)	2:86:B:ILE:HG22	2:86:B:ILE:HG13	11	0.25
(1,2901)	2:86:B:ILE:HG23	2:86:B:ILE:HG13	11	0.25
(1,2901)	2:86:B:ILE:HG21	2:86:B:ILE:HG13	12	0.25
(1,2901)	2:86:B:ILE:HG22	2:86:B:ILE:HG13	12	0.25
(1,2901)	2:86:B:ILE:HG23	2:86:B:ILE:HG13	12	0.25
(1,2901)	2:86:B:ILE:HG21	2:86:B:ILE:HG13	13	0.25
(1,2901)	2:86:B:ILE:HG22	2:86:B:ILE:HG13	13	0.25
(1,2901)	2:86:B:ILE:HG23	2:86:B:ILE:HG13	13	0.25
(1,2901)	2:86:B:ILE:HG21	2:86:B:ILE:HG13	14	0.25
(1,2901)	2:86:B:ILE:HG22	2:86:B:ILE:HG13	14	0.25
(1,2901)	2:86:B:ILE:HG23	2:86:B:ILE:HG13	14	0.25
(1,2901)	2:86:B:ILE:HG21	2:86:B:ILE:HG13	18	0.25
(1,2901)	2:86:B:ILE:HG22	2:86:B:ILE:HG13	18	0.25
(1,2901)	2:86:B:ILE:HG23	2:86:B:ILE:HG13	18	0.25
(1,2901)	2:86:B:ILE:HG21	2:86:B:ILE:HG13	20	0.25
(1,2901)	2:86:B:ILE:HG22	2:86:B:ILE:HG13	20	0.25
(1,2901)	2:86:B:ILE:HG23	2:86:B:ILE:HG13	20	0.25
(1,2885)	2:82:B:ILE:HA	2:82:B:ILE:HG13	9	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2805)	2:81:B:ASP:HA	2:84:B:ARG:HB3	12	0.25
(1,2805)	2:81:B:ASP:HA	2:84:B:ARG:HB3	14	0.25
(1,2803)	2:84:B:ARG:HB3	2:84:B:ARG:HD3	14	0.25
(1,2803)	2:84:B:ARG:HB3	2:84:B:ARG:HD3	15	0.25
(1,2753)	2:90:B:LEU:HA	2:90:B:LEU:HD11	9	0.25
(1,2753)	2:90:B:LEU:HA	2:90:B:LEU:HD12	9	0.25
(1,2753)	2:90:B:LEU:HA	2:90:B:LEU:HD13	9	0.25
(1,2574)	1:76:A:ARG:HB3	1:41:A:TYR:HE1	17	0.25
(1,2574)	1:76:A:ARG:HB3	1:41:A:TYR:HE2	17	0.25
(1,2563)	1:98:A:GLN:HG3	1:99:A:HIS:HD2	17	0.25
(1,2466)	1:109:A:GLU:HG3	1:110:A:TYR:HD1	18	0.25
(1,2466)	1:109:A:GLU:HG3	1:110:A:TYR:HD2	18	0.25
(1,2443)	1:153:A:GLN:HB3	1:150:A:PHE:HE1	19	0.25
(1,2443)	1:153:A:GLN:HB3	1:150:A:PHE:HE2	19	0.25
(1,2440)	1:131:A:LEU:HD21	1:134:A:PHE:HE1	2	0.25
(1,2440)	1:131:A:LEU:HD21	1:134:A:PHE:HE2	2	0.25
(1,2440)	1:131:A:LEU:HD22	1:134:A:PHE:HE1	2	0.25
(1,2440)	1:131:A:LEU:HD22	1:134:A:PHE:HE2	2	0.25
(1,2440)	1:131:A:LEU:HD23	1:134:A:PHE:HE1	2	0.25
(1,2440)	1:131:A:LEU:HD23	1:134:A:PHE:HE2	2	0.25
(1,2300)	1:76:A:ARG:HD3	1:80:A:ILE:HD11	14	0.25
(1,2300)	1:76:A:ARG:HD3	1:80:A:ILE:HD12	14	0.25
(1,2300)	1:76:A:ARG:HD3	1:80:A:ILE:HD13	14	0.25
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB1	20	0.25
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB2	20	0.25
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB3	20	0.25
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB1	20	0.25
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB2	20	0.25
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB3	20	0.25
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB1	20	0.25
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB2	20	0.25
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB3	20	0.25
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG21	20	0.25
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG22	20	0.25
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG23	20	0.25
(1,2129)	1:175:A:GLY:HA2	1:179:A:ALA:HB1	2	0.25
(1,2129)	1:175:A:GLY:HA2	1:179:A:ALA:HB2	2	0.25
(1,2129)	1:175:A:GLY:HA2	1:179:A:ALA:HB3	2	0.25
(1,2115)	1:50:A:GLU:HG3	1:49:A:ALA:HB1	13	0.25
(1,2115)	1:50:A:GLU:HG3	1:49:A:ALA:HB2	13	0.25
(1,2115)	1:50:A:GLU:HG3	1:49:A:ALA:HB3	13	0.25
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG21	2	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG22	2	0.25
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG23	2	0.25
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG21	2	0.25
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG22	2	0.25
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG23	2	0.25
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG21	13	0.25
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG22	13	0.25
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG23	13	0.25
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG21	10	0.25
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG22	10	0.25
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG23	10	0.25
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG11	17	0.25
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG12	17	0.25
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG13	17	0.25
(1,1796)	1:169:A:ARG:HA	1:169:A:ARG:HG3	14	0.25
(1,1730)	1:144:A:GLN:H	1:145:A:HIS:HB3	12	0.25
(1,1661)	1:106:A:ASN:H	1:105:A:GLU:HB3	8	0.25
(1,1654)	1:159:A:VAL:HG11	1:32:A:GLU:HB3	10	0.25
(1,1654)	1:159:A:VAL:HG12	1:32:A:GLU:HB3	10	0.25
(1,1654)	1:159:A:VAL:HG13	1:32:A:GLU:HB3	10	0.25
(1,1638)	1:88:A:ARG:H	1:87:A:ARG:HB3	7	0.25
(1,1634)	1:25:A:GLU:H	1:24:A:GLU:HB3	7	0.25
(1,1522)	1:81:A:ILE:HD11	1:77:A:GLN:HG3	12	0.25
(1,1522)	1:81:A:ILE:HD12	1:77:A:GLN:HG3	12	0.25
(1,1522)	1:81:A:ILE:HD13	1:77:A:GLN:HG3	12	0.25
(1,1497)	1:150:A:PHE:HB3	1:153:A:GLN:HG3	14	0.25
(1,1482)	1:45:A:GLN:HB3	1:45:A:GLN:HG3	11	0.25
(1,1479)	1:34:A:VAL:HG11	1:71:A:MET:HG3	10	0.25
(1,1479)	1:34:A:VAL:HG12	1:71:A:MET:HG3	10	0.25
(1,1479)	1:34:A:VAL:HG13	1:71:A:MET:HG3	10	0.25
(1,1264)	1:20:A:PRO:HA	1:19:A:LEU:HB3	10	0.25
(1,1250)	1:38:A:TYR:HD1	1:42:A:ARG:HD3	7	0.25
(1,1250)	1:38:A:TYR:HD2	1:42:A:ARG:HD3	7	0.25
(1,1243)	1:113:A:LYS:HG3	1:113:A:LYS:HE3	2	0.25
(1,1225)	1:40:A:PHE:HD1	1:63:A:LEU:HB3	16	0.25
(1,1225)	1:40:A:PHE:HD2	1:63:A:LEU:HB3	16	0.25
(1,1154)	1:87:A:ARG:HB3	1:87:A:ARG:HD3	7	0.25
(1,1154)	1:87:A:ARG:HB3	1:87:A:ARG:HD3	12	0.25
(1,1094)	1:100:A:LEU:H	1:102:A:PRO:HD3	12	0.25
(1,475)	1:152:A:GLY:HA3	1:155:A:THR:H	6	0.25
(1,443)	1:181:A:LEU:HB3	1:182:A:ASN:H	11	0.25
(1,443)	1:181:A:LEU:HB3	1:182:A:ASN:H	14	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,443)	1:181:A:LEU:HB3	1:182:A:ASN:H	19	0.25
(1,433)	1:92:A:GLU:HG3	1:91:A:SER:H	6	0.25
(1,365)	1:87:A:ARG:HB3	1:87:A:ARG:HE	10	0.25
(1,336)	1:127:A:ARG:HB3	1:124:A:ASN:H	6	0.25
(1,283)	1:42:A:ARG:HB3	1:41:A:TYR:H	16	0.25
(1,264)	1:86:A:ASN:HB3	1:86:A:ASN:H	18	0.25
(1,190)	1:183:A:LEU:HD21	1:125:A:TRP:H	1	0.25
(1,190)	1:183:A:LEU:HD22	1:125:A:TRP:H	1	0.25
(1,190)	1:183:A:LEU:HD23	1:125:A:TRP:H	1	0.25
(1,65)	1:18:A:ALA:HA	1:19:A:LEU:H	2	0.25
(1,65)	1:18:A:ALA:HA	1:19:A:LEU:H	13	0.25
(2,163)	1:170:A:TRP:O	1:174:A:ARG:N	2	0.24
(2,163)	1:170:A:TRP:O	1:174:A:ARG:N	11	0.24
(2,162)	1:169:A:ARG:O	1:173:A:GLN:N	1	0.24
(2,161)	1:168:A:ALA:O	1:172:A:ALA:N	9	0.24
(2,160)	1:159:A:VAL:O	1:163:A:LEU:N	3	0.24
(2,159)	1:158:A:VAL:O	1:162:A:MET:N	15	0.24
(2,156)	1:152:A:GLY:O	1:156:A:ARG:N	9	0.24
(2,154)	1:150:A:PHE:O	1:154:A:VAL:N	20	0.24
(2,150)	1:113:A:LYS:O	1:117:A:SER:N	3	0.24
(2,146)	1:107:A:ALA:O	1:111:A:PHE:N	1	0.24
(2,146)	1:107:A:ALA:O	1:111:A:PHE:N	13	0.24
(2,144)	1:94:A:GLN:O	1:98:A:GLN:N	5	0.24
(2,144)	1:94:A:GLN:O	1:98:A:GLN:N	16	0.24
(2,143)	1:93:A:PHE:O	1:97:A:LEU:N	12	0.24
(2,138)	1:39:A:VAL:O	1:43:A:HIS:N	5	0.24
(2,137)	1:38:A:TYR:O	1:42:A:ARG:N	3	0.24
(2,137)	1:38:A:TYR:O	1:42:A:ARG:N	7	0.24
(2,137)	1:38:A:TYR:O	1:42:A:ARG:N	9	0.24
(2,137)	1:38:A:TYR:O	1:42:A:ARG:N	19	0.24
(2,130)	1:30:A:ASP:O	1:34:A:VAL:N	11	0.24
(2,127)	1:24:A:GLU:O	1:28:A:ALA:N	13	0.24
(1,3103)	1:89:A:TYR:HD1	2:92:B:MK8:HB1A	10	0.24
(1,3103)	1:89:A:TYR:HD1	2:92:B:MK8:HB1B	10	0.24
(1,3103)	1:89:A:TYR:HD2	2:92:B:MK8:HB1A	10	0.24
(1,3103)	1:89:A:TYR:HD2	2:92:B:MK8:HB1B	10	0.24
(1,3096)	1:126:A:GLY:H	2:98:B:ASP:HB3	1	0.24
(1,3096)	1:126:A:GLY:H	2:98:B:ASP:HB3	2	0.24
(1,3096)	1:126:A:GLY:H	2:98:B:ASP:HB3	6	0.24
(1,3096)	1:126:A:GLY:H	2:98:B:ASP:HB3	15	0.24
(1,3075)	1:183:A:LEU:HD11	2:101:B:ILE:HG13	8	0.24
(1,3075)	1:183:A:LEU:HD12	2:101:B:ILE:HG13	8	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3075)	1:183:A:LEU:HD13	2:101:B:ILE:HG13	8	0.24
(1,3075)	1:183:A:LEU:HD21	2:101:B:ILE:HG13	8	0.24
(1,3075)	1:183:A:LEU:HD22	2:101:B:ILE:HG13	8	0.24
(1,3075)	1:183:A:LEU:HD23	2:101:B:ILE:HG13	8	0.24
(1,3060)	1:100:A:LEU:HD11	2:83:B:ILE:HG13	19	0.24
(1,3060)	1:100:A:LEU:HD12	2:83:B:ILE:HG13	19	0.24
(1,3060)	1:100:A:LEU:HD13	2:83:B:ILE:HG13	19	0.24
(1,3060)	1:100:A:LEU:HD21	2:83:B:ILE:HG13	19	0.24
(1,3060)	1:100:A:LEU:HD22	2:83:B:ILE:HG13	19	0.24
(1,3060)	1:100:A:LEU:HD23	2:83:B:ILE:HG13	19	0.24
(1,3050)	1:97:A:LEU:HD11	2:86:B:ILE:HG13	5	0.24
(1,3050)	1:97:A:LEU:HD12	2:86:B:ILE:HG13	5	0.24
(1,3050)	1:97:A:LEU:HD13	2:86:B:ILE:HG13	5	0.24
(1,3050)	1:97:A:LEU:HD21	2:86:B:ILE:HG13	5	0.24
(1,3050)	1:97:A:LEU:HD22	2:86:B:ILE:HG13	5	0.24
(1,3050)	1:97:A:LEU:HD23	2:86:B:ILE:HG13	5	0.24
(1,2965)	1:113:A:LYS:HB3	2:86:B:ILE:HD11	17	0.24
(1,2965)	1:113:A:LYS:HB3	2:86:B:ILE:HD12	17	0.24
(1,2965)	1:113:A:LYS:HB3	2:86:B:ILE:HD13	17	0.24
(1,2953)	1:85:A:ILE:HD11	2:100:B:SER:HB3	10	0.24
(1,2953)	1:85:A:ILE:HD12	2:100:B:SER:HB3	10	0.24
(1,2953)	1:85:A:ILE:HD13	2:100:B:SER:HB3	10	0.24
(1,2936)	2:99:B:ARG:HB3	2:99:B:ARG:HD3	19	0.24
(1,2933)	2:99:B:ARG:H	2:99:B:ARG:HG3	14	0.24
(1,2933)	2:99:B:ARG:H	2:99:B:ARG:HG3	20	0.24
(1,2901)	2:86:B:ILE:HG21	2:86:B:ILE:HG13	5	0.24
(1,2901)	2:86:B:ILE:HG22	2:86:B:ILE:HG13	5	0.24
(1,2901)	2:86:B:ILE:HG23	2:86:B:ILE:HG13	5	0.24
(1,2901)	2:86:B:ILE:HG21	2:86:B:ILE:HG13	6	0.24
(1,2901)	2:86:B:ILE:HG22	2:86:B:ILE:HG13	6	0.24
(1,2901)	2:86:B:ILE:HG23	2:86:B:ILE:HG13	6	0.24
(1,2901)	2:86:B:ILE:HG21	2:86:B:ILE:HG13	10	0.24
(1,2901)	2:86:B:ILE:HG22	2:86:B:ILE:HG13	10	0.24
(1,2901)	2:86:B:ILE:HG23	2:86:B:ILE:HG13	10	0.24
(1,2901)	2:86:B:ILE:HG21	2:86:B:ILE:HG13	16	0.24
(1,2901)	2:86:B:ILE:HG22	2:86:B:ILE:HG13	16	0.24
(1,2901)	2:86:B:ILE:HG23	2:86:B:ILE:HG13	16	0.24
(1,2901)	2:86:B:ILE:HG21	2:86:B:ILE:HG13	17	0.24
(1,2901)	2:86:B:ILE:HG22	2:86:B:ILE:HG13	17	0.24
(1,2901)	2:86:B:ILE:HG23	2:86:B:ILE:HG13	17	0.24
(1,2901)	2:86:B:ILE:HG21	2:86:B:ILE:HG13	19	0.24
(1,2901)	2:86:B:ILE:HG22	2:86:B:ILE:HG13	19	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2901)	2:86:B:ILE:HG23	2:86:B:ILE:HG13	19	0.24
(1,2892)	2:84:B:ARG:HA	2:84:B:ARG:HG3	12	0.24
(1,2892)	2:84:B:ARG:HA	2:84:B:ARG:HG3	14	0.24
(1,2851)	2:88:B:ARG:HB3	2:88:B:ARG:HG3	2	0.24
(1,2851)	2:88:B:ARG:HB3	2:88:B:ARG:HG3	9	0.24
(1,2851)	2:88:B:ARG:HB3	2:88:B:ARG:HG3	13	0.24
(1,2805)	2:81:B:ASP:HA	2:84:B:ARG:HB3	8	0.24
(1,2803)	2:84:B:ARG:HB3	2:84:B:ARG:HD3	6	0.24
(1,2757)	2:99:B:ARG:HA	2:99:B:ARG:HD3	2	0.24
(1,2683)	2:84:B:ARG:HA	2:84:B:ARG:HD3	2	0.24
(1,2683)	2:84:B:ARG:HA	2:84:B:ARG:HD3	14	0.24
(1,2675)	2:82:B:ILE:HG21	2:83:B:ILE:H	7	0.24
(1,2675)	2:82:B:ILE:HG22	2:83:B:ILE:H	7	0.24
(1,2675)	2:82:B:ILE:HG23	2:83:B:ILE:H	7	0.24
(1,2559)	1:145:A:HIS:H	1:145:A:HIS:HD2	2	0.24
(1,2345)	1:163:A:LEU:HB3	1:164:A:HIS:HE1	18	0.24
(1,2300)	1:76:A:ARG:HD3	1:80:A:ILE:HD11	2	0.24
(1,2300)	1:76:A:ARG:HD3	1:80:A:ILE:HD12	2	0.24
(1,2300)	1:76:A:ARG:HD3	1:80:A:ILE:HD13	2	0.24
(1,2300)	1:76:A:ARG:HD3	1:80:A:ILE:HD11	5	0.24
(1,2300)	1:76:A:ARG:HD3	1:80:A:ILE:HD12	5	0.24
(1,2300)	1:76:A:ARG:HD3	1:80:A:ILE:HD13	5	0.24
(1,2300)	1:76:A:ARG:HD3	1:80:A:ILE:HD11	10	0.24
(1,2300)	1:76:A:ARG:HD3	1:80:A:ILE:HD12	10	0.24
(1,2300)	1:76:A:ARG:HD3	1:80:A:ILE:HD13	10	0.24
(1,2300)	1:76:A:ARG:HD3	1:80:A:ILE:HD11	13	0.24
(1,2300)	1:76:A:ARG:HD3	1:80:A:ILE:HD12	13	0.24
(1,2300)	1:76:A:ARG:HD3	1:80:A:ILE:HD13	13	0.24
(1,2094)	1:177:A:TRP:HZ3	1:34:A:VAL:HG21	19	0.24
(1,2094)	1:177:A:TRP:HZ3	1:34:A:VAL:HG22	19	0.24
(1,2094)	1:177:A:TRP:HZ3	1:34:A:VAL:HG23	19	0.24
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG21	3	0.24
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG22	3	0.24
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG23	3	0.24
(1,2021)	1:35:A:PHE:HB3	1:132:A:LEU:HD11	12	0.24
(1,2021)	1:35:A:PHE:HB3	1:132:A:LEU:HD12	12	0.24
(1,2021)	1:35:A:PHE:HB3	1:132:A:LEU:HD13	12	0.24
(1,2021)	1:35:A:PHE:HB3	1:132:A:LEU:HD21	12	0.24
(1,2021)	1:35:A:PHE:HB3	1:132:A:LEU:HD22	12	0.24
(1,2021)	1:35:A:PHE:HB3	1:132:A:LEU:HD23	12	0.24
(1,2013)	1:31:A:THR:HB	1:159:A:VAL:HG11	17	0.24
(1,2013)	1:31:A:THR:HB	1:159:A:VAL:HG12	17	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2013)	1:31:A:THR:HB	1:159:A:VAL:HG13	17	0.24
(1,1978)	1:35:A:PHE:HE1	1:39:A:VAL:HG21	2	0.24
(1,1978)	1:35:A:PHE:HE1	1:39:A:VAL:HG22	2	0.24
(1,1978)	1:35:A:PHE:HE1	1:39:A:VAL:HG23	2	0.24
(1,1978)	1:35:A:PHE:HE2	1:39:A:VAL:HG21	2	0.24
(1,1978)	1:35:A:PHE:HE2	1:39:A:VAL:HG22	2	0.24
(1,1978)	1:35:A:PHE:HE2	1:39:A:VAL:HG23	2	0.24
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG21	3	0.24
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG22	3	0.24
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG23	3	0.24
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG21	13	0.24
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG22	13	0.24
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG23	13	0.24
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG21	18	0.24
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG22	18	0.24
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG23	18	0.24
(1,1961)	1:34:A:VAL:HG11	1:74:A:VAL:HG21	1	0.24
(1,1961)	1:34:A:VAL:HG11	1:74:A:VAL:HG22	1	0.24
(1,1961)	1:34:A:VAL:HG11	1:74:A:VAL:HG23	1	0.24
(1,1961)	1:34:A:VAL:HG12	1:74:A:VAL:HG21	1	0.24
(1,1961)	1:34:A:VAL:HG12	1:74:A:VAL:HG22	1	0.24
(1,1961)	1:34:A:VAL:HG12	1:74:A:VAL:HG23	1	0.24
(1,1961)	1:34:A:VAL:HG13	1:74:A:VAL:HG21	1	0.24
(1,1961)	1:34:A:VAL:HG13	1:74:A:VAL:HG22	1	0.24
(1,1961)	1:34:A:VAL:HG13	1:74:A:VAL:HG23	1	0.24
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG21	2	0.24
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG22	2	0.24
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG23	2	0.24
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG21	2	0.24
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG22	2	0.24
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG23	2	0.24
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG21	2	0.24
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG22	2	0.24
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG23	2	0.24
(1,1952)	1:35:A:PHE:HB3	1:31:A:THR:HG21	6	0.24
(1,1952)	1:35:A:PHE:HB3	1:31:A:THR:HG22	6	0.24
(1,1952)	1:35:A:PHE:HB3	1:31:A:THR:HG23	6	0.24
(1,1941)	1:104:A:ALA:H	1:147:A:LEU:HD11	13	0.24
(1,1941)	1:104:A:ALA:H	1:147:A:LEU:HD12	13	0.24
(1,1941)	1:104:A:ALA:H	1:147:A:LEU:HD13	13	0.24
(1,1924)	1:180:A:ALA:HA	1:183:A:LEU:HD21	15	0.24
(1,1924)	1:180:A:ALA:HA	1:183:A:LEU:HD22	15	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1924)	1:180:A:ALA:HA	1:183:A:LEU:HD23	15	0.24
(1,1849)	1:40:A:PHE:HB3	1:63:A:LEU:HD21	14	0.24
(1,1849)	1:40:A:PHE:HB3	1:63:A:LEU:HD22	14	0.24
(1,1849)	1:40:A:PHE:HB3	1:63:A:LEU:HD23	14	0.24
(1,1842)	1:165:A:HIS:HA	1:166:A:CYS:HB3	17	0.24
(1,1836)	1:175:A:GLY:H	1:174:A:ARG:HG3	18	0.24
(1,1730)	1:144:A:GLN:H	1:145:A:HIS:HB3	18	0.24
(1,1661)	1:106:A:ASN:H	1:105:A:GLU:HB3	14	0.24
(1,1638)	1:88:A:ARG:H	1:87:A:ARG:HB3	12	0.24
(1,1485)	1:185:A:ASN:H	1:77:A:GLN:HG3	7	0.24
(1,1485)	1:185:A:ASN:H	1:77:A:GLN:HG3	15	0.24
(1,1464)	1:101:A:GLN:HA	1:101:A:GLN:HG3	9	0.24
(1,1427)	1:92:A:GLU:HA	1:92:A:GLU:HG3	8	0.24
(1,1296)	1:84:A:ASP:H	1:84:A:ASP:HB3	2	0.24
(1,1243)	1:113:A:LYS:HG3	1:113:A:LYS:HE3	14	0.24
(1,1243)	1:113:A:LYS:HG3	1:113:A:LYS:HE3	17	0.24
(1,1243)	1:113:A:LYS:HG3	1:113:A:LYS:HE3	20	0.24
(1,1189)	1:159:A:VAL:HG11	1:156:A:ARG:HD3	14	0.24
(1,1189)	1:159:A:VAL:HG12	1:156:A:ARG:HD3	14	0.24
(1,1189)	1:159:A:VAL:HG13	1:156:A:ARG:HD3	14	0.24
(1,1130)	1:50:A:GLU:HB3	1:51:A:GLY:HA2	7	0.24
(1,1130)	1:50:A:GLU:HB3	1:51:A:GLY:HA2	15	0.24
(1,1094)	1:100:A:LEU:H	1:102:A:PRO:HD3	3	0.24
(1,1094)	1:100:A:LEU:H	1:102:A:PRO:HD3	15	0.24
(1,1088)	1:65:A:LEU:H	1:64:A:PRO:HD3	18	0.24
(1,1083)	1:19:A:LEU:HB3	1:20:A:PRO:HD3	10	0.24
(1,1043)	1:182:A:ASN:HB3	1:179:A:ALA:HA	16	0.24
(1,934)	1:159:A:VAL:HG11	1:156:A:ARG:HA	3	0.24
(1,934)	1:159:A:VAL:HG12	1:156:A:ARG:HA	3	0.24
(1,934)	1:159:A:VAL:HG13	1:156:A:ARG:HA	3	0.24
(1,896)	1:142:A:VAL:HG21	1:103:A:THR:HA	3	0.24
(1,896)	1:142:A:VAL:HG22	1:103:A:THR:HA	3	0.24
(1,896)	1:142:A:VAL:HG23	1:103:A:THR:HA	3	0.24
(1,531)	1:23:A:SER:H	1:26:A:GLN:HE22	7	0.24
(1,433)	1:92:A:GLU:HG3	1:91:A:SER:H	9	0.24
(1,382)	1:98:A:GLN:HG3	1:98:A:GLN:H	10	0.24
(1,382)	1:98:A:GLN:HG3	1:98:A:GLN:H	13	0.24
(1,252)	1:51:A:GLY:HA3	1:52:A:VAL:H	19	0.24
(1,234)	1:163:A:LEU:HB3	1:163:A:LEU:H	20	0.24
(1,190)	1:183:A:LEU:HD21	1:125:A:TRP:H	16	0.24
(1,190)	1:183:A:LEU:HD22	1:125:A:TRP:H	16	0.24
(1,190)	1:183:A:LEU:HD23	1:125:A:TRP:H	16	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,130)	1:106:A:ASN:HB3	1:107:A:ALA:H	13	0.24
(1,78)	1:64:A:PRO:HB3	1:65:A:LEU:H	8	0.24
(2,163)	1:170:A:TRP:O	1:174:A:ARG:N	3	0.23
(2,163)	1:170:A:TRP:O	1:174:A:ARG:N	7	0.23
(2,157)	1:153:A:GLN:O	1:157:A:PHE:N	9	0.23
(2,156)	1:152:A:GLY:O	1:156:A:ARG:N	15	0.23
(2,156)	1:152:A:GLY:O	1:156:A:ARG:N	17	0.23
(2,153)	1:134:A:PHE:O	1:138:A:LEU:N	20	0.23
(2,151)	1:127:A:ARG:O	1:131:A:LEU:N	13	0.23
(2,150)	1:113:A:LYS:O	1:117:A:SER:N	13	0.23
(2,150)	1:113:A:LYS:O	1:117:A:SER:N	20	0.23
(2,148)	1:111:A:PHE:O	1:115:A:ALA:N	7	0.23
(2,146)	1:107:A:ALA:O	1:111:A:PHE:N	9	0.23
(2,145)	1:106:A:ASN:O	1:110:A:TYR:N	17	0.23
(2,144)	1:94:A:GLN:O	1:98:A:GLN:N	12	0.23
(2,143)	1:93:A:PHE:O	1:97:A:LEU:N	2	0.23
(2,141)	1:82:A:GLY:O	1:86:A:ASN:N	1	0.23
(2,141)	1:82:A:GLY:O	1:86:A:ASN:N	8	0.23
(2,141)	1:82:A:GLY:O	1:86:A:ASN:N	9	0.23
(2,141)	1:82:A:GLY:O	1:86:A:ASN:N	12	0.23
(2,140)	1:78:A:LEU:O	1:82:A:GLY:N	1	0.23
(2,137)	1:38:A:TYR:O	1:42:A:ARG:N	6	0.23
(2,137)	1:38:A:TYR:O	1:42:A:ARG:N	11	0.23
(2,135)	1:35:A:PHE:O	1:39:A:VAL:N	18	0.23
(2,127)	1:24:A:GLU:O	1:28:A:ALA:N	17	0.23
(2,12)	1:29:A:GLN:O	1:33:A:GLU:N	18	0.23
(2,10)	1:28:A:ALA:O	1:32:A:GLU:N	6	0.23
(2,10)	1:28:A:ALA:O	1:32:A:GLU:N	20	0.23
(2,9)	1:28:A:ALA:O	1:32:A:GLU:H	2	0.23
(2,9)	1:28:A:ALA:O	1:32:A:GLU:H	12	0.23
(1,3103)	1:89:A:TYR:HD1	2:92:B:MK8:HB1A	13	0.23
(1,3103)	1:89:A:TYR:HD1	2:92:B:MK8:HB1B	13	0.23
(1,3103)	1:89:A:TYR:HD2	2:92:B:MK8:HB1A	13	0.23
(1,3103)	1:89:A:TYR:HD2	2:92:B:MK8:HB1B	13	0.23
(1,3065)	1:114:A:ILE:HD11	2:86:B:ILE:HG13	19	0.23
(1,3065)	1:114:A:ILE:HD12	2:86:B:ILE:HG13	19	0.23
(1,3065)	1:114:A:ILE:HD13	2:86:B:ILE:HG13	19	0.23
(1,2980)	1:81:A:ILE:HG21	2:100:B:SER:HB3	17	0.23
(1,2980)	1:81:A:ILE:HG22	2:100:B:SER:HB3	17	0.23
(1,2980)	1:81:A:ILE:HG23	2:100:B:SER:HB3	17	0.23
(1,2980)	1:81:A:ILE:HG21	2:100:B:SER:HB3	19	0.23
(1,2980)	1:81:A:ILE:HG22	2:100:B:SER:HB3	19	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2980)	1:81:A:ILE:HG23	2:100:B:SER:HB3	19	0.23
(1,2979)	1:81:A:ILE:HG21	2:101:B:ILE:HG13	7	0.23
(1,2979)	1:81:A:ILE:HG22	2:101:B:ILE:HG13	7	0.23
(1,2979)	1:81:A:ILE:HG23	2:101:B:ILE:HG13	7	0.23
(1,2979)	1:81:A:ILE:HG21	2:101:B:ILE:HG13	19	0.23
(1,2979)	1:81:A:ILE:HG22	2:101:B:ILE:HG13	19	0.23
(1,2979)	1:81:A:ILE:HG23	2:101:B:ILE:HG13	19	0.23
(1,2933)	2:99:B:ARG:H	2:99:B:ARG:HG3	19	0.23
(1,2916)	2:90:B:LEU:HB3	2:91:B:ALA:H	1	0.23
(1,2901)	2:86:B:ILE:HG21	2:86:B:ILE:HG13	15	0.23
(1,2901)	2:86:B:ILE:HG22	2:86:B:ILE:HG13	15	0.23
(1,2901)	2:86:B:ILE:HG23	2:86:B:ILE:HG13	15	0.23
(1,2822)	2:88:B:ARG:HA	2:88:B:ARG:HD3	19	0.23
(1,2804)	2:84:B:ARG:HB3	2:85:B:ASN:H	5	0.23
(1,2710)	2:85:B:ASN:HA	2:88:B:ARG:HD3	15	0.23
(1,2683)	2:84:B:ARG:HA	2:84:B:ARG:HD3	5	0.23
(1,2440)	1:131:A:LEU:HD21	1:134:A:PHE:HE1	15	0.23
(1,2440)	1:131:A:LEU:HD21	1:134:A:PHE:HE2	15	0.23
(1,2440)	1:131:A:LEU:HD22	1:134:A:PHE:HE1	15	0.23
(1,2440)	1:131:A:LEU:HD22	1:134:A:PHE:HE2	15	0.23
(1,2440)	1:131:A:LEU:HD23	1:134:A:PHE:HE1	15	0.23
(1,2440)	1:131:A:LEU:HD23	1:134:A:PHE:HE2	15	0.23
(1,2346)	1:42:A:ARG:HD3	1:43:A:HIS:HE1	19	0.23
(1,2345)	1:163:A:LEU:HB3	1:164:A:HIS:HE1	13	0.23
(1,2185)	1:183:A:LEU:HD21	1:180:A:ALA:HB1	12	0.23
(1,2185)	1:183:A:LEU:HD21	1:180:A:ALA:HB2	12	0.23
(1,2185)	1:183:A:LEU:HD21	1:180:A:ALA:HB3	12	0.23
(1,2185)	1:183:A:LEU:HD22	1:180:A:ALA:HB1	12	0.23
(1,2185)	1:183:A:LEU:HD22	1:180:A:ALA:HB2	12	0.23
(1,2185)	1:183:A:LEU:HD22	1:180:A:ALA:HB3	12	0.23
(1,2185)	1:183:A:LEU:HD23	1:180:A:ALA:HB1	12	0.23
(1,2185)	1:183:A:LEU:HD23	1:180:A:ALA:HB2	12	0.23
(1,2185)	1:183:A:LEU:HD23	1:180:A:ALA:HB3	12	0.23
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB1	10	0.23
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB2	10	0.23
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB3	10	0.23
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB1	10	0.23
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB2	10	0.23
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB3	10	0.23
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB1	10	0.23
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB2	10	0.23
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB3	10	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2056)	1:160:A:ASP:H	1:158:A:VAL:HG21	8	0.23
(1,2056)	1:160:A:ASP:H	1:158:A:VAL:HG22	8	0.23
(1,2056)	1:160:A:ASP:H	1:158:A:VAL:HG23	8	0.23
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG21	15	0.23
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG22	15	0.23
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG23	15	0.23
(1,1872)	1:64:A:PRO:HD3	1:63:A:LEU:HD11	14	0.23
(1,1872)	1:64:A:PRO:HD3	1:63:A:LEU:HD12	14	0.23
(1,1872)	1:64:A:PRO:HD3	1:63:A:LEU:HD13	14	0.23
(1,1796)	1:169:A:ARG:HA	1:169:A:ARG:HG3	10	0.23
(1,1796)	1:169:A:ARG:HA	1:169:A:ARG:HG3	12	0.23
(1,1796)	1:169:A:ARG:HA	1:169:A:ARG:HG3	15	0.23
(1,1721)	1:165:A:HIS:HD2	1:167:A:ILE:HG13	20	0.23
(1,1707)	1:94:A:GLN:HE22	1:94:A:GLN:HB3	8	0.23
(1,1661)	1:106:A:ASN:H	1:105:A:GLU:HB3	3	0.23
(1,1524)	1:113:A:LYS:HE3	1:113:A:LYS:HB3	2	0.23
(1,1524)	1:113:A:LYS:HE3	1:113:A:LYS:HB3	3	0.23
(1,1524)	1:113:A:LYS:HE3	1:113:A:LYS:HB3	9	0.23
(1,1524)	1:113:A:LYS:HE3	1:113:A:LYS:HB3	14	0.23
(1,1524)	1:113:A:LYS:HE3	1:113:A:LYS:HB3	16	0.23
(1,1524)	1:113:A:LYS:HE3	1:113:A:LYS:HB3	17	0.23
(1,1524)	1:113:A:LYS:HE3	1:113:A:LYS:HB3	20	0.23
(1,1307)	2:93:B:VAL:HG21	1:89:A:TYR:HB3	6	0.23
(1,1307)	2:93:B:VAL:HG22	1:89:A:TYR:HB3	6	0.23
(1,1307)	2:93:B:VAL:HG23	1:89:A:TYR:HB3	6	0.23
(1,1307)	2:93:B:VAL:HG21	1:89:A:TYR:HB3	10	0.23
(1,1307)	2:93:B:VAL:HG22	1:89:A:TYR:HB3	10	0.23
(1,1307)	2:93:B:VAL:HG23	1:89:A:TYR:HB3	10	0.23
(1,1298)	1:85:A:ILE:HA	1:84:A:ASP:HB3	12	0.23
(1,1298)	1:85:A:ILE:HA	1:84:A:ASP:HB3	15	0.23
(1,1298)	1:85:A:ILE:HA	1:84:A:ASP:HB3	17	0.23
(1,1190)	1:63:A:LEU:HD21	1:36:A:ARG:HD3	9	0.23
(1,1190)	1:63:A:LEU:HD22	1:36:A:ARG:HD3	9	0.23
(1,1190)	1:63:A:LEU:HD23	1:36:A:ARG:HD3	9	0.23
(1,1154)	1:87:A:ARG:HB3	1:87:A:ARG:HD3	4	0.23
(1,1094)	1:100:A:LEU:H	1:102:A:PRO:HD3	17	0.23
(1,1088)	1:65:A:LEU:H	1:64:A:PRO:HD3	14	0.23
(1,1088)	1:65:A:LEU:H	1:64:A:PRO:HD3	19	0.23
(1,1029)	1:147:A:LEU:HD21	1:104:A:ALA:HA	20	0.23
(1,1029)	1:147:A:LEU:HD22	1:104:A:ALA:HA	20	0.23
(1,1029)	1:147:A:LEU:HD23	1:104:A:ALA:HA	20	0.23
(1,923)	1:76:A:ARG:HG3	1:77:A:GLN:HA	1	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,896)	1:142:A:VAL:HG21	1:103:A:THR:HA	9	0.23
(1,896)	1:142:A:VAL:HG22	1:103:A:THR:HA	9	0.23
(1,896)	1:142:A:VAL:HG23	1:103:A:THR:HA	9	0.23
(1,802)	1:91:A:SER:HB3	1:91:A:SER:HA	1	0.23
(1,491)	1:163:A:LEU:HB3	1:164:A:HIS:H	6	0.23
(1,491)	1:163:A:LEU:HB3	1:164:A:HIS:H	12	0.23
(1,491)	1:163:A:LEU:HB3	1:164:A:HIS:H	13	0.23
(1,475)	1:152:A:GLY:HA3	1:155:A:THR:H	17	0.23
(1,397)	1:20:A:PRO:HB3	1:21:A:SER:H	10	0.23
(1,382)	1:98:A:GLN:HG3	1:98:A:GLN:H	5	0.23
(1,363)	1:86:A:ASN:HD22	1:42:A:ARG:HE	19	0.23
(1,264)	1:86:A:ASN:HB3	1:86:A:ASN:H	9	0.23
(1,180)	1:46:A:GLU:HB3	1:46:A:GLU:H	7	0.23
(1,130)	1:106:A:ASN:HB3	1:107:A:ALA:H	11	0.23
(1,127)	1:99:A:HIS:HB3	1:100:A:LEU:H	2	0.23
(1,78)	1:64:A:PRO:HB3	1:65:A:LEU:H	16	0.23
(1,78)	1:64:A:PRO:HB3	1:65:A:LEU:H	20	0.23
(2,158)	1:156:A:ARG:O	1:160:A:ASP:N	1	0.22
(2,157)	1:153:A:GLN:O	1:157:A:PHE:N	18	0.22
(2,156)	1:152:A:GLY:O	1:156:A:ARG:N	11	0.22
(2,154)	1:150:A:PHE:O	1:154:A:VAL:N	9	0.22
(2,151)	1:127:A:ARG:O	1:131:A:LEU:N	7	0.22
(2,151)	1:127:A:ARG:O	1:131:A:LEU:N	10	0.22
(2,146)	1:107:A:ALA:O	1:111:A:PHE:N	2	0.22
(2,145)	1:106:A:ASN:O	1:110:A:TYR:N	15	0.22
(2,145)	1:106:A:ASN:O	1:110:A:TYR:N	19	0.22
(2,144)	1:94:A:GLN:O	1:98:A:GLN:N	1	0.22
(2,144)	1:94:A:GLN:O	1:98:A:GLN:N	20	0.22
(2,141)	1:82:A:GLY:O	1:86:A:ASN:N	14	0.22
(2,141)	1:82:A:GLY:O	1:86:A:ASN:N	18	0.22
(2,140)	1:78:A:LEU:O	1:82:A:GLY:N	17	0.22
(2,136)	1:37:A:SER:O	1:41:A:TYR:N	2	0.22
(2,136)	1:37:A:SER:O	1:41:A:TYR:N	18	0.22
(2,135)	1:35:A:PHE:O	1:39:A:VAL:N	4	0.22
(1,3103)	1:89:A:TYR:HD1	2:92:B:MK8:HB1A	3	0.22
(1,3103)	1:89:A:TYR:HD1	2:92:B:MK8:HB1B	3	0.22
(1,3103)	1:89:A:TYR:HD2	2:92:B:MK8:HB1A	3	0.22
(1,3103)	1:89:A:TYR:HD2	2:92:B:MK8:HB1B	3	0.22
(1,3103)	1:89:A:TYR:HD1	2:92:B:MK8:HB1A	4	0.22
(1,3103)	1:89:A:TYR:HD1	2:92:B:MK8:HB1B	4	0.22
(1,3103)	1:89:A:TYR:HD2	2:92:B:MK8:HB1A	4	0.22
(1,3103)	1:89:A:TYR:HD2	2:92:B:MK8:HB1B	4	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3065)	1:114:A:ILE:HD11	2:86:B:ILE:HG13	5	0.22
(1,3065)	1:114:A:ILE:HD12	2:86:B:ILE:HG13	5	0.22
(1,3065)	1:114:A:ILE:HD13	2:86:B:ILE:HG13	5	0.22
(1,3065)	1:114:A:ILE:HD11	2:86:B:ILE:HG13	6	0.22
(1,3065)	1:114:A:ILE:HD12	2:86:B:ILE:HG13	6	0.22
(1,3065)	1:114:A:ILE:HD13	2:86:B:ILE:HG13	6	0.22
(1,3065)	1:114:A:ILE:HD11	2:86:B:ILE:HG13	17	0.22
(1,3065)	1:114:A:ILE:HD12	2:86:B:ILE:HG13	17	0.22
(1,3065)	1:114:A:ILE:HD13	2:86:B:ILE:HG13	17	0.22
(1,3065)	1:114:A:ILE:HD11	2:86:B:ILE:HG13	18	0.22
(1,3065)	1:114:A:ILE:HD12	2:86:B:ILE:HG13	18	0.22
(1,3065)	1:114:A:ILE:HD13	2:86:B:ILE:HG13	18	0.22
(1,2980)	1:81:A:ILE:HG21	2:100:B:SER:HB3	15	0.22
(1,2980)	1:81:A:ILE:HG22	2:100:B:SER:HB3	15	0.22
(1,2980)	1:81:A:ILE:HG23	2:100:B:SER:HB3	15	0.22
(1,2979)	1:81:A:ILE:HG21	2:101:B:ILE:HG13	12	0.22
(1,2979)	1:81:A:ILE:HG22	2:101:B:ILE:HG13	12	0.22
(1,2979)	1:81:A:ILE:HG23	2:101:B:ILE:HG13	12	0.22
(1,2901)	2:86:B:ILE:HG21	2:86:B:ILE:HG13	7	0.22
(1,2901)	2:86:B:ILE:HG22	2:86:B:ILE:HG13	7	0.22
(1,2901)	2:86:B:ILE:HG23	2:86:B:ILE:HG13	7	0.22
(1,2901)	2:86:B:ILE:HG21	2:86:B:ILE:HG13	8	0.22
(1,2901)	2:86:B:ILE:HG22	2:86:B:ILE:HG13	8	0.22
(1,2901)	2:86:B:ILE:HG23	2:86:B:ILE:HG13	8	0.22
(1,2822)	2:88:B:ARG:HA	2:88:B:ARG:HD3	4	0.22
(1,2804)	2:84:B:ARG:HB3	2:85:B:ASN:H	12	0.22
(1,2804)	2:84:B:ARG:HB3	2:85:B:ASN:H	14	0.22
(1,2667)	2:92:B:MK8:HB1A	2:95:B:ASP:HB3	14	0.22
(1,2667)	2:92:B:MK8:HB1B	2:95:B:ASP:HB3	14	0.22
(1,2658)	2:89:B:HIS:HA	2:92:B:MK8:HB	10	0.22
(1,2601)	1:55:A:PRO:HG3	1:136:A:TYR:HE1	16	0.22
(1,2601)	1:55:A:PRO:HG3	1:136:A:TYR:HE2	16	0.22
(1,2559)	1:145:A:HIS:H	1:145:A:HIS:HD2	3	0.22
(1,2559)	1:145:A:HIS:H	1:145:A:HIS:HD2	6	0.22
(1,2440)	1:131:A:LEU:HD21	1:134:A:PHE:HE1	5	0.22
(1,2440)	1:131:A:LEU:HD21	1:134:A:PHE:HE2	5	0.22
(1,2440)	1:131:A:LEU:HD22	1:134:A:PHE:HE1	5	0.22
(1,2440)	1:131:A:LEU:HD22	1:134:A:PHE:HE2	5	0.22
(1,2440)	1:131:A:LEU:HD23	1:134:A:PHE:HE1	5	0.22
(1,2440)	1:131:A:LEU:HD23	1:134:A:PHE:HE2	5	0.22
(1,2440)	1:131:A:LEU:HD21	1:134:A:PHE:HE1	7	0.22
(1,2440)	1:131:A:LEU:HD21	1:134:A:PHE:HE2	7	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2440)	1:131:A:LEU:HD22	1:134:A:PHE:HE1	7	0.22
(1,2440)	1:131:A:LEU:HD22	1:134:A:PHE:HE2	7	0.22
(1,2440)	1:131:A:LEU:HD23	1:134:A:PHE:HE1	7	0.22
(1,2440)	1:131:A:LEU:HD23	1:134:A:PHE:HE2	7	0.22
(1,2440)	1:131:A:LEU:HD21	1:134:A:PHE:HE1	19	0.22
(1,2440)	1:131:A:LEU:HD21	1:134:A:PHE:HE2	19	0.22
(1,2440)	1:131:A:LEU:HD22	1:134:A:PHE:HE1	19	0.22
(1,2440)	1:131:A:LEU:HD22	1:134:A:PHE:HE2	19	0.22
(1,2440)	1:131:A:LEU:HD23	1:134:A:PHE:HE1	19	0.22
(1,2440)	1:131:A:LEU:HD23	1:134:A:PHE:HE2	19	0.22
(1,2345)	1:163:A:LEU:HB3	1:164:A:HIS:HE1	12	0.22
(1,2336)	1:145:A:HIS:HA	1:145:A:HIS:HE1	2	0.22
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB1	10	0.22
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB2	10	0.22
(1,2224)	1:27:A:VAL:HG11	1:172:A:ALA:HB3	10	0.22
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB1	10	0.22
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB2	10	0.22
(1,2224)	1:27:A:VAL:HG12	1:172:A:ALA:HB3	10	0.22
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB1	10	0.22
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB2	10	0.22
(1,2224)	1:27:A:VAL:HG13	1:172:A:ALA:HB3	10	0.22
(1,2087)	1:150:A:PHE:HE1	1:142:A:VAL:HG11	3	0.22
(1,2087)	1:150:A:PHE:HE1	1:142:A:VAL:HG12	3	0.22
(1,2087)	1:150:A:PHE:HE1	1:142:A:VAL:HG13	3	0.22
(1,2087)	1:150:A:PHE:HE2	1:142:A:VAL:HG11	3	0.22
(1,2087)	1:150:A:PHE:HE2	1:142:A:VAL:HG12	3	0.22
(1,2087)	1:150:A:PHE:HE2	1:142:A:VAL:HG13	3	0.22
(1,2087)	1:150:A:PHE:HE1	1:142:A:VAL:HG11	11	0.22
(1,2087)	1:150:A:PHE:HE1	1:142:A:VAL:HG12	11	0.22
(1,2087)	1:150:A:PHE:HE1	1:142:A:VAL:HG13	11	0.22
(1,2087)	1:150:A:PHE:HE2	1:142:A:VAL:HG11	11	0.22
(1,2087)	1:150:A:PHE:HE2	1:142:A:VAL:HG12	11	0.22
(1,2087)	1:150:A:PHE:HE2	1:142:A:VAL:HG13	11	0.22
(1,2016)	1:32:A:GLU:H	1:159:A:VAL:HG11	15	0.22
(1,2016)	1:32:A:GLU:H	1:159:A:VAL:HG12	15	0.22
(1,2016)	1:32:A:GLU:H	1:159:A:VAL:HG13	15	0.22
(1,2013)	1:31:A:THR:HB	1:159:A:VAL:HG11	8	0.22
(1,2013)	1:31:A:THR:HB	1:159:A:VAL:HG12	8	0.22
(1,2013)	1:31:A:THR:HB	1:159:A:VAL:HG13	8	0.22
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG21	7	0.22
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG22	7	0.22
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG23	7	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG21	14	0.22
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG22	14	0.22
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG23	14	0.22
(1,1961)	1:34:A:VAL:HG11	1:74:A:VAL:HG21	18	0.22
(1,1961)	1:34:A:VAL:HG11	1:74:A:VAL:HG22	18	0.22
(1,1961)	1:34:A:VAL:HG11	1:74:A:VAL:HG23	18	0.22
(1,1961)	1:34:A:VAL:HG12	1:74:A:VAL:HG21	18	0.22
(1,1961)	1:34:A:VAL:HG12	1:74:A:VAL:HG22	18	0.22
(1,1961)	1:34:A:VAL:HG12	1:74:A:VAL:HG23	18	0.22
(1,1961)	1:34:A:VAL:HG13	1:74:A:VAL:HG21	18	0.22
(1,1961)	1:34:A:VAL:HG13	1:74:A:VAL:HG22	18	0.22
(1,1961)	1:34:A:VAL:HG13	1:74:A:VAL:HG23	18	0.22
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG21	6	0.22
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG22	6	0.22
(1,1955)	1:159:A:VAL:HG11	1:31:A:THR:HG23	6	0.22
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG21	6	0.22
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG22	6	0.22
(1,1955)	1:159:A:VAL:HG12	1:31:A:THR:HG23	6	0.22
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG21	6	0.22
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG22	6	0.22
(1,1955)	1:159:A:VAL:HG13	1:31:A:THR:HG23	6	0.22
(1,1923)	1:147:A:LEU:HA	1:147:A:LEU:HD11	6	0.22
(1,1923)	1:147:A:LEU:HA	1:147:A:LEU:HD12	6	0.22
(1,1923)	1:147:A:LEU:HA	1:147:A:LEU:HD13	6	0.22
(1,1870)	1:63:A:LEU:H	1:63:A:LEU:HD11	1	0.22
(1,1870)	1:63:A:LEU:H	1:63:A:LEU:HD12	1	0.22
(1,1870)	1:63:A:LEU:H	1:63:A:LEU:HD13	1	0.22
(1,1870)	1:63:A:LEU:H	1:63:A:LEU:HD11	13	0.22
(1,1870)	1:63:A:LEU:H	1:63:A:LEU:HD12	13	0.22
(1,1870)	1:63:A:LEU:H	1:63:A:LEU:HD13	13	0.22
(1,1827)	1:162:A:MET:HE1	1:131:A:LEU:HD11	2	0.22
(1,1827)	1:162:A:MET:HE1	1:131:A:LEU:HD12	2	0.22
(1,1827)	1:162:A:MET:HE1	1:131:A:LEU:HD13	2	0.22
(1,1827)	1:162:A:MET:HE2	1:131:A:LEU:HD11	2	0.22
(1,1827)	1:162:A:MET:HE2	1:131:A:LEU:HD12	2	0.22
(1,1827)	1:162:A:MET:HE2	1:131:A:LEU:HD13	2	0.22
(1,1827)	1:162:A:MET:HE3	1:131:A:LEU:HD11	2	0.22
(1,1827)	1:162:A:MET:HE3	1:131:A:LEU:HD12	2	0.22
(1,1827)	1:162:A:MET:HE3	1:131:A:LEU:HD13	2	0.22
(1,1796)	1:169:A:ARG:HA	1:169:A:ARG:HG3	18	0.22
(1,1755)	1:56:A:ALA:H	1:55:A:PRO:HG3	1	0.22
(1,1713)	1:137:A:ARG:HB3	1:137:A:ARG:HG3	16	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1566)	1:158:A:VAL:H	1:158:A:VAL:HB	10	0.22
(1,1524)	1:113:A:LYS:HE3	1:113:A:LYS:HB3	5	0.22
(1,1522)	1:81:A:ILE:HD11	1:77:A:GLN:HG3	5	0.22
(1,1522)	1:81:A:ILE:HD12	1:77:A:GLN:HG3	5	0.22
(1,1522)	1:81:A:ILE:HD13	1:77:A:GLN:HG3	5	0.22
(1,1522)	1:81:A:ILE:HD11	1:77:A:GLN:HG3	9	0.22
(1,1522)	1:81:A:ILE:HD12	1:77:A:GLN:HG3	9	0.22
(1,1522)	1:81:A:ILE:HD13	1:77:A:GLN:HG3	9	0.22
(1,1479)	1:34:A:VAL:HG11	1:71:A:MET:HG3	6	0.22
(1,1479)	1:34:A:VAL:HG12	1:71:A:MET:HG3	6	0.22
(1,1479)	1:34:A:VAL:HG13	1:71:A:MET:HG3	6	0.22
(1,1479)	1:34:A:VAL:HG11	1:71:A:MET:HG3	13	0.22
(1,1479)	1:34:A:VAL:HG12	1:71:A:MET:HG3	13	0.22
(1,1479)	1:34:A:VAL:HG13	1:71:A:MET:HG3	13	0.22
(1,1418)	1:120:A:GLU:H	1:120:A:GLU:HG3	14	0.22
(1,1225)	1:40:A:PHE:HD1	1:63:A:LEU:HB3	3	0.22
(1,1225)	1:40:A:PHE:HD2	1:63:A:LEU:HB3	3	0.22
(1,1156)	1:156:A:ARG:H	1:156:A:ARG:HD3	12	0.22
(1,1138)	1:52:A:VAL:HG11	1:51:A:GLY:HA3	1	0.22
(1,1138)	1:52:A:VAL:HG12	1:51:A:GLY:HA3	1	0.22
(1,1138)	1:52:A:VAL:HG13	1:51:A:GLY:HA3	1	0.22
(1,1138)	1:52:A:VAL:HG21	1:51:A:GLY:HA3	1	0.22
(1,1138)	1:52:A:VAL:HG22	1:51:A:GLY:HA3	1	0.22
(1,1138)	1:52:A:VAL:HG23	1:51:A:GLY:HA3	1	0.22
(1,1130)	1:50:A:GLU:HB3	1:51:A:GLY:HA2	16	0.22
(1,1094)	1:100:A:LEU:H	1:102:A:PRO:HD3	4	0.22
(1,1088)	1:65:A:LEU:H	1:64:A:PRO:HD3	4	0.22
(1,1088)	1:65:A:LEU:H	1:64:A:PRO:HD3	9	0.22
(1,923)	1:76:A:ARG:HG3	1:77:A:GLN:HA	2	0.22
(1,903)	1:87:A:ARG:HD3	1:87:A:ARG:HA	10	0.22
(1,903)	1:87:A:ARG:HD3	1:87:A:ARG:HA	20	0.22
(1,558)	1:101:A:GLN:HG3	1:101:A:GLN:H	16	0.22
(1,410)	1:94:A:GLN:HE22	1:95:A:THR:H	5	0.22
(1,397)	1:20:A:PRO:HB3	1:21:A:SER:H	7	0.22
(1,397)	1:20:A:PRO:HB3	1:21:A:SER:H	12	0.22
(1,397)	1:20:A:PRO:HB3	1:21:A:SER:H	20	0.22
(1,382)	1:98:A:GLN:HG3	1:98:A:GLN:H	19	0.22
(1,336)	1:127:A:ARG:HB3	1:124:A:ASN:H	1	0.22
(1,320)	1:163:A:LEU:HD11	1:29:A:GLN:H	9	0.22
(1,320)	1:163:A:LEU:HD12	1:29:A:GLN:H	9	0.22
(1,320)	1:163:A:LEU:HD13	1:29:A:GLN:H	9	0.22
(1,320)	1:163:A:LEU:HD21	1:29:A:GLN:H	9	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,320)	1:163:A:LEU:HD22	1:29:A:GLN:H	9	0.22
(1,320)	1:163:A:LEU:HD23	1:29:A:GLN:H	9	0.22
(1,283)	1:42:A:ARG:HB3	1:41:A:TYR:H	9	0.22
(1,130)	1:106:A:ASN:HB3	1:107:A:ALA:H	7	0.22
(1,78)	1:64:A:PRO:HB3	1:65:A:LEU:H	17	0.22
(2,162)	1:169:A:ARG:O	1:173:A:GLN:N	14	0.21
(2,162)	1:169:A:ARG:O	1:173:A:GLN:N	17	0.21
(2,162)	1:169:A:ARG:O	1:173:A:GLN:N	18	0.21
(2,160)	1:159:A:VAL:O	1:163:A:LEU:N	2	0.21
(2,157)	1:153:A:GLN:O	1:157:A:PHE:N	15	0.21
(2,154)	1:150:A:PHE:O	1:154:A:VAL:N	7	0.21
(2,150)	1:113:A:LYS:O	1:117:A:SER:N	10	0.21
(2,150)	1:113:A:LYS:O	1:117:A:SER:N	16	0.21
(2,146)	1:107:A:ALA:O	1:111:A:PHE:N	4	0.21
(2,144)	1:94:A:GLN:O	1:98:A:GLN:N	11	0.21
(2,143)	1:93:A:PHE:O	1:97:A:LEU:N	8	0.21
(2,143)	1:93:A:PHE:O	1:97:A:LEU:N	16	0.21
(2,143)	1:93:A:PHE:O	1:97:A:LEU:N	20	0.21
(2,141)	1:82:A:GLY:O	1:86:A:ASN:N	4	0.21
(2,141)	1:82:A:GLY:O	1:86:A:ASN:N	7	0.21
(2,141)	1:82:A:GLY:O	1:86:A:ASN:N	13	0.21
(2,140)	1:78:A:LEU:O	1:82:A:GLY:N	3	0.21
(2,140)	1:78:A:LEU:O	1:82:A:GLY:N	13	0.21
(2,127)	1:24:A:GLU:O	1:28:A:ALA:N	7	0.21
(2,127)	1:24:A:GLU:O	1:28:A:ALA:N	8	0.21
(2,127)	1:24:A:GLU:O	1:28:A:ALA:N	11	0.21
(2,110)	1:155:A:THR:O	1:159:A:VAL:N	20	0.21
(2,109)	1:155:A:THR:O	1:159:A:VAL:H	2	0.21
(2,87)	1:132:A:LEU:O	1:136:A:TYR:H	12	0.21
(1,3065)	1:114:A:ILE:HD11	2:86:B:ILE:HG13	8	0.21
(1,3065)	1:114:A:ILE:HD12	2:86:B:ILE:HG13	8	0.21
(1,3065)	1:114:A:ILE:HD13	2:86:B:ILE:HG13	8	0.21
(1,3056)	1:100:A:LEU:HD11	2:82:B:ILE:HG13	8	0.21
(1,3056)	1:100:A:LEU:HD12	2:82:B:ILE:HG13	8	0.21
(1,3056)	1:100:A:LEU:HD13	2:82:B:ILE:HG13	8	0.21
(1,3056)	1:100:A:LEU:HD21	2:82:B:ILE:HG13	8	0.21
(1,3056)	1:100:A:LEU:HD22	2:82:B:ILE:HG13	8	0.21
(1,3056)	1:100:A:LEU:HD23	2:82:B:ILE:HG13	8	0.21
(1,2979)	1:81:A:ILE:HG21	2:101:B:ILE:HG13	2	0.21
(1,2979)	1:81:A:ILE:HG22	2:101:B:ILE:HG13	2	0.21
(1,2979)	1:81:A:ILE:HG23	2:101:B:ILE:HG13	2	0.21
(1,2979)	1:81:A:ILE:HG21	2:101:B:ILE:HG13	3	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2979)	1:81:A:ILE:HG22	2:101:B:ILE:HG13	3	0.21
(1,2979)	1:81:A:ILE:HG23	2:101:B:ILE:HG13	3	0.21
(1,2979)	1:81:A:ILE:HG21	2:101:B:ILE:HG13	4	0.21
(1,2979)	1:81:A:ILE:HG22	2:101:B:ILE:HG13	4	0.21
(1,2979)	1:81:A:ILE:HG23	2:101:B:ILE:HG13	4	0.21
(1,2979)	1:81:A:ILE:HG21	2:101:B:ILE:HG13	20	0.21
(1,2979)	1:81:A:ILE:HG22	2:101:B:ILE:HG13	20	0.21
(1,2979)	1:81:A:ILE:HG23	2:101:B:ILE:HG13	20	0.21
(1,2966)	1:113:A:LYS:HB3	2:86:B:ILE:HG21	7	0.21
(1,2966)	1:113:A:LYS:HB3	2:86:B:ILE:HG22	7	0.21
(1,2966)	1:113:A:LYS:HB3	2:86:B:ILE:HG23	7	0.21
(1,2936)	2:99:B:ARG:HB3	2:99:B:ARG:HD3	10	0.21
(1,2933)	2:99:B:ARG:H	2:99:B:ARG:HG3	6	0.21
(1,2928)	2:95:B:ASP:HA	2:98:B:ASP:HB3	1	0.21
(1,2851)	2:88:B:ARG:HB3	2:88:B:ARG:HG3	4	0.21
(1,2851)	2:88:B:ARG:HB3	2:88:B:ARG:HG3	12	0.21
(1,2728)	2:92:B:MK8:HB1A	2:95:B:ASP:H	9	0.21
(1,2728)	2:92:B:MK8:HB1B	2:95:B:ASP:H	9	0.21
(1,2494)	1:131:A:LEU:HD21	1:119:A:PHE:HZ	6	0.21
(1,2494)	1:131:A:LEU:HD22	1:119:A:PHE:HZ	6	0.21
(1,2494)	1:131:A:LEU:HD23	1:119:A:PHE:HZ	6	0.21
(1,2466)	1:109:A:GLU:HG3	1:110:A:TYR:HD1	10	0.21
(1,2466)	1:109:A:GLU:HG3	1:110:A:TYR:HD2	10	0.21
(1,2417)	1:136:A:TYR:HB3	1:35:A:PHE:HE1	10	0.21
(1,2417)	1:136:A:TYR:HB3	1:35:A:PHE:HE2	10	0.21
(1,2400)	1:36:A:ARG:HD3	1:35:A:PHE:HD1	6	0.21
(1,2400)	1:36:A:ARG:HD3	1:35:A:PHE:HD2	6	0.21
(1,2398)	1:37:A:SER:HB3	1:40:A:PHE:HD1	8	0.21
(1,2398)	1:37:A:SER:HB3	1:40:A:PHE:HD2	8	0.21
(1,2346)	1:42:A:ARG:HD3	1:43:A:HIS:HE1	16	0.21
(1,2336)	1:145:A:HIS:HA	1:145:A:HIS:HE1	3	0.21
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB1	2	0.21
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB2	2	0.21
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB3	2	0.21
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB1	2	0.21
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB2	2	0.21
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB3	2	0.21
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB1	2	0.21
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB2	2	0.21
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB3	2	0.21
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB1	13	0.21
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB2	13	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2107)	1:19:A:LEU:HD11	1:18:A:ALA:HB3	13	0.21
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB1	13	0.21
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB2	13	0.21
(1,2107)	1:19:A:LEU:HD12	1:18:A:ALA:HB3	13	0.21
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB1	13	0.21
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB2	13	0.21
(1,2107)	1:19:A:LEU:HD13	1:18:A:ALA:HB3	13	0.21
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG21	12	0.21
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG22	12	0.21
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG23	12	0.21
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG21	17	0.21
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG22	17	0.21
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG23	17	0.21
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG21	20	0.21
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG22	20	0.21
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG23	20	0.21
(1,1952)	1:35:A:PHE:HB3	1:31:A:THR:HG21	4	0.21
(1,1952)	1:35:A:PHE:HB3	1:31:A:THR:HG22	4	0.21
(1,1952)	1:35:A:PHE:HB3	1:31:A:THR:HG23	4	0.21
(1,1946)	1:110:A:TYR:HA	1:100:A:LEU:HD21	20	0.21
(1,1946)	1:110:A:TYR:HA	1:100:A:LEU:HD22	20	0.21
(1,1946)	1:110:A:TYR:HA	1:100:A:LEU:HD23	20	0.21
(1,1904)	1:125:A:TRP:HZ2	1:183:A:LEU:HD21	3	0.21
(1,1904)	1:125:A:TRP:HZ2	1:183:A:LEU:HD22	3	0.21
(1,1904)	1:125:A:TRP:HZ2	1:183:A:LEU:HD23	3	0.21
(1,1904)	1:125:A:TRP:HZ2	1:183:A:LEU:HD21	5	0.21
(1,1904)	1:125:A:TRP:HZ2	1:183:A:LEU:HD22	5	0.21
(1,1904)	1:125:A:TRP:HZ2	1:183:A:LEU:HD23	5	0.21
(1,1870)	1:63:A:LEU:H	1:63:A:LEU:HD11	15	0.21
(1,1870)	1:63:A:LEU:H	1:63:A:LEU:HD12	15	0.21
(1,1870)	1:63:A:LEU:H	1:63:A:LEU:HD13	15	0.21
(1,1851)	1:40:A:PHE:HD1	1:63:A:LEU:HD21	4	0.21
(1,1851)	1:40:A:PHE:HD1	1:63:A:LEU:HD22	4	0.21
(1,1851)	1:40:A:PHE:HD1	1:63:A:LEU:HD23	4	0.21
(1,1851)	1:40:A:PHE:HD2	1:63:A:LEU:HD21	4	0.21
(1,1851)	1:40:A:PHE:HD2	1:63:A:LEU:HD22	4	0.21
(1,1851)	1:40:A:PHE:HD2	1:63:A:LEU:HD23	4	0.21
(1,1842)	1:165:A:HIS:HA	1:166:A:CYS:HB3	7	0.21
(1,1798)	1:153:A:GLN:H	1:151:A:LEU:HG	3	0.21
(1,1796)	1:169:A:ARG:HA	1:169:A:ARG:HG3	9	0.21
(1,1796)	1:169:A:ARG:HA	1:169:A:ARG:HG3	19	0.21
(1,1738)	1:77:A:GLN:HE22	1:77:A:GLN:HB3	16	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1730)	1:144:A:GLN:H	1:145:A:HIS:HB3	10	0.21
(1,1713)	1:137:A:ARG:HB3	1:137:A:ARG:HG3	9	0.21
(1,1661)	1:106:A:ASN:H	1:105:A:GLU:HB3	11	0.21
(1,1638)	1:88:A:ARG:H	1:87:A:ARG:HB3	16	0.21
(1,1638)	1:88:A:ARG:H	1:87:A:ARG:HB3	18	0.21
(1,1485)	1:185:A:ASN:H	1:77:A:GLN:HG3	17	0.21
(1,1449)	1:109:A:GLU:H	1:109:A:GLU:HG3	4	0.21
(1,1298)	1:85:A:ILE:HA	1:84:A:ASP:HB3	19	0.21
(1,1243)	1:113:A:LYS:HG3	1:113:A:LYS:HE3	9	0.21
(1,1212)	1:113:A:LYS:HA	1:113:A:LYS:HE3	16	0.21
(1,1157)	1:36:A:ARG:HG3	1:36:A:ARG:HD3	2	0.21
(1,1156)	1:156:A:ARG:H	1:156:A:ARG:HD3	1	0.21
(1,1154)	1:87:A:ARG:HB3	1:87:A:ARG:HD3	16	0.21
(1,1130)	1:50:A:GLU:HB3	1:51:A:GLY:HA2	2	0.21
(1,1094)	1:100:A:LEU:H	1:102:A:PRO:HD3	14	0.21
(1,1088)	1:65:A:LEU:H	1:64:A:PRO:HD3	1	0.21
(1,1088)	1:65:A:LEU:H	1:64:A:PRO:HD3	5	0.21
(1,1088)	1:65:A:LEU:H	1:64:A:PRO:HD3	7	0.21
(1,1088)	1:65:A:LEU:H	1:64:A:PRO:HD3	10	0.21
(1,1088)	1:65:A:LEU:H	1:64:A:PRO:HD3	15	0.21
(1,1063)	1:19:A:LEU:HB3	1:18:A:ALA:HA	7	0.21
(1,1043)	1:182:A:ASN:HB3	1:179:A:ALA:HA	15	0.21
(1,1027)	1:27:A:VAL:HG21	1:168:A:ALA:HA	10	0.21
(1,1027)	1:27:A:VAL:HG22	1:168:A:ALA:HA	10	0.21
(1,1027)	1:27:A:VAL:HG23	1:168:A:ALA:HA	10	0.21
(1,1001)	1:73:A:GLN:HG3	1:181:A:LEU:HA	3	0.21
(1,994)	1:50:A:GLU:HG3	1:50:A:GLU:HA	20	0.21
(1,962)	1:163:A:LEU:HB3	1:160:A:ASP:HA	13	0.21
(1,934)	1:159:A:VAL:HG11	1:156:A:ARG:HA	8	0.21
(1,934)	1:159:A:VAL:HG12	1:156:A:ARG:HA	8	0.21
(1,934)	1:159:A:VAL:HG13	1:156:A:ARG:HA	8	0.21
(1,923)	1:76:A:ARG:HG3	1:77:A:GLN:HA	5	0.21
(1,896)	1:142:A:VAL:HG21	1:103:A:THR:HA	11	0.21
(1,896)	1:142:A:VAL:HG22	1:103:A:THR:HA	11	0.21
(1,896)	1:142:A:VAL:HG23	1:103:A:THR:HA	11	0.21
(1,868)	1:25:A:GLU:HG3	1:25:A:GLU:HA	3	0.21
(1,767)	1:40:A:PHE:HB3	1:37:A:SER:HB3	14	0.21
(1,766)	1:38:A:TYR:H	1:37:A:SER:HB3	9	0.21
(1,766)	1:38:A:TYR:H	1:37:A:SER:HB3	10	0.21
(1,766)	1:38:A:TYR:H	1:37:A:SER:HB3	17	0.21
(1,443)	1:181:A:LEU:HB3	1:182:A:ASN:H	20	0.21
(1,397)	1:20:A:PRO:HB3	1:21:A:SER:H	17	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,318)	1:27:A:VAL:HG11	1:177:A:TRP:H	10	0.21
(1,318)	1:27:A:VAL:HG12	1:177:A:TRP:H	10	0.21
(1,318)	1:27:A:VAL:HG13	1:177:A:TRP:H	10	0.21
(1,264)	1:86:A:ASN:HB3	1:86:A:ASN:H	3	0.21
(1,190)	1:183:A:LEU:HD21	1:125:A:TRP:H	11	0.21
(1,190)	1:183:A:LEU:HD22	1:125:A:TRP:H	11	0.21
(1,190)	1:183:A:LEU:HD23	1:125:A:TRP:H	11	0.21
(1,180)	1:46:A:GLU:HB3	1:46:A:GLU:H	19	0.21
(1,130)	1:106:A:ASN:HB3	1:107:A:ALA:H	2	0.21
(1,130)	1:106:A:ASN:HB3	1:107:A:ALA:H	9	0.21
(1,130)	1:106:A:ASN:HB3	1:107:A:ALA:H	20	0.21
(1,123)	1:34:A:VAL:HG11	1:74:A:VAL:H	18	0.21
(1,123)	1:34:A:VAL:HG12	1:74:A:VAL:H	18	0.21
(1,123)	1:34:A:VAL:HG13	1:74:A:VAL:H	18	0.21
(1,78)	1:64:A:PRO:HB3	1:65:A:LEU:H	12	0.21
(1,72)	1:34:A:VAL:HG21	1:38:A:TYR:H	1	0.21
(1,72)	1:34:A:VAL:HG22	1:38:A:TYR:H	1	0.21
(1,72)	1:34:A:VAL:HG23	1:38:A:TYR:H	1	0.21
(2,163)	1:170:A:TRP:O	1:174:A:ARG:N	5	0.2
(2,162)	1:169:A:ARG:O	1:173:A:GLN:N	3	0.2
(2,162)	1:169:A:ARG:O	1:173:A:GLN:N	9	0.2
(2,162)	1:169:A:ARG:O	1:173:A:GLN:N	19	0.2
(2,160)	1:159:A:VAL:O	1:163:A:LEU:N	4	0.2
(2,160)	1:159:A:VAL:O	1:163:A:LEU:N	6	0.2
(2,159)	1:158:A:VAL:O	1:162:A:MET:N	9	0.2
(2,159)	1:158:A:VAL:O	1:162:A:MET:N	16	0.2
(2,158)	1:156:A:ARG:O	1:160:A:ASP:N	11	0.2
(2,156)	1:152:A:GLY:O	1:156:A:ARG:N	19	0.2
(2,153)	1:134:A:PHE:O	1:138:A:LEU:N	13	0.2
(2,152)	1:131:A:LEU:O	1:135:A:GLY:N	6	0.2
(2,152)	1:131:A:LEU:O	1:135:A:GLY:N	7	0.2
(2,152)	1:131:A:LEU:O	1:135:A:GLY:N	19	0.2
(2,144)	1:94:A:GLN:O	1:98:A:GLN:N	3	0.2
(2,143)	1:93:A:PHE:O	1:97:A:LEU:N	1	0.2
(2,143)	1:93:A:PHE:O	1:97:A:LEU:N	5	0.2
(2,141)	1:82:A:GLY:O	1:86:A:ASN:N	3	0.2
(2,141)	1:82:A:GLY:O	1:86:A:ASN:N	17	0.2
(2,140)	1:78:A:LEU:O	1:82:A:GLY:N	7	0.2
(2,140)	1:78:A:LEU:O	1:82:A:GLY:N	14	0.2
(2,140)	1:78:A:LEU:O	1:82:A:GLY:N	18	0.2
(2,139)	1:40:A:PHE:O	1:44:A:GLN:N	8	0.2
(2,105)	1:153:A:GLN:O	1:157:A:PHE:H	3	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,87)	1:132:A:LEU:O	1:136:A:TYR:H	19	0.2
(1,3103)	1:89:A:TYR:HD1	2:92:B:MK8:HB1A	17	0.2
(1,3103)	1:89:A:TYR:HD1	2:92:B:MK8:HB1B	17	0.2
(1,3103)	1:89:A:TYR:HD2	2:92:B:MK8:HB1A	17	0.2
(1,3103)	1:89:A:TYR:HD2	2:92:B:MK8:HB1B	17	0.2
(1,3103)	1:89:A:TYR:HD1	2:92:B:MK8:HB1A	20	0.2
(1,3103)	1:89:A:TYR:HD1	2:92:B:MK8:HB1B	20	0.2
(1,3103)	1:89:A:TYR:HD2	2:92:B:MK8:HB1A	20	0.2
(1,3103)	1:89:A:TYR:HD2	2:92:B:MK8:HB1B	20	0.2
(1,3065)	1:114:A:ILE:HD11	2:86:B:ILE:HG13	11	0.2
(1,3065)	1:114:A:ILE:HD12	2:86:B:ILE:HG13	11	0.2
(1,3065)	1:114:A:ILE:HD13	2:86:B:ILE:HG13	11	0.2
(1,3056)	1:100:A:LEU:HD11	2:82:B:ILE:HG13	19	0.2
(1,3056)	1:100:A:LEU:HD12	2:82:B:ILE:HG13	19	0.2
(1,3056)	1:100:A:LEU:HD13	2:82:B:ILE:HG13	19	0.2
(1,3056)	1:100:A:LEU:HD21	2:82:B:ILE:HG13	19	0.2
(1,3056)	1:100:A:LEU:HD22	2:82:B:ILE:HG13	19	0.2
(1,3056)	1:100:A:LEU:HD23	2:82:B:ILE:HG13	19	0.2
(1,2953)	1:85:A:ILE:HD11	2:100:B:SER:HB3	9	0.2
(1,2953)	1:85:A:ILE:HD12	2:100:B:SER:HB3	9	0.2
(1,2953)	1:85:A:ILE:HD13	2:100:B:SER:HB3	9	0.2
(1,2936)	2:99:B:ARG:HB3	2:99:B:ARG:HD3	11	0.2
(1,2902)	2:87:B:ALA:HA	2:90:B:LEU:HB3	19	0.2
(1,2892)	2:84:B:ARG:HA	2:84:B:ARG:HG3	20	0.2
(1,2851)	2:88:B:ARG:HB3	2:88:B:ARG:HG3	6	0.2
(1,2851)	2:88:B:ARG:HB3	2:88:B:ARG:HG3	8	0.2
(1,2851)	2:88:B:ARG:HB3	2:88:B:ARG:HG3	16	0.2
(1,2803)	2:84:B:ARG:HB3	2:84:B:ARG:HD3	8	0.2
(1,2683)	2:84:B:ARG:HA	2:84:B:ARG:HD3	20	0.2
(1,2494)	1:131:A:LEU:HD21	1:119:A:PHE:HZ	14	0.2
(1,2494)	1:131:A:LEU:HD22	1:119:A:PHE:HZ	14	0.2
(1,2494)	1:131:A:LEU:HD23	1:119:A:PHE:HZ	14	0.2
(1,2466)	1:109:A:GLU:HG3	1:110:A:TYR:HD1	2	0.2
(1,2466)	1:109:A:GLU:HG3	1:110:A:TYR:HD2	2	0.2
(1,2466)	1:109:A:GLU:HG3	1:110:A:TYR:HD1	20	0.2
(1,2466)	1:109:A:GLU:HG3	1:110:A:TYR:HD2	20	0.2
(1,2336)	1:145:A:HIS:HA	1:145:A:HIS:HE1	11	0.2
(1,2300)	1:76:A:ARG:HD3	1:80:A:ILE:HD11	11	0.2
(1,2300)	1:76:A:ARG:HD3	1:80:A:ILE:HD12	11	0.2
(1,2300)	1:76:A:ARG:HD3	1:80:A:ILE:HD13	11	0.2
(1,2248)	1:27:A:VAL:HG21	1:168:A:ALA:HB1	20	0.2
(1,2248)	1:27:A:VAL:HG21	1:168:A:ALA:HB2	20	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2248)	1:27:A:VAL:HG21	1:168:A:ALA:HB3	20	0.2
(1,2248)	1:27:A:VAL:HG22	1:168:A:ALA:HB1	20	0.2
(1,2248)	1:27:A:VAL:HG22	1:168:A:ALA:HB2	20	0.2
(1,2248)	1:27:A:VAL:HG22	1:168:A:ALA:HB3	20	0.2
(1,2248)	1:27:A:VAL:HG23	1:168:A:ALA:HB1	20	0.2
(1,2248)	1:27:A:VAL:HG23	1:168:A:ALA:HB2	20	0.2
(1,2248)	1:27:A:VAL:HG23	1:168:A:ALA:HB3	20	0.2
(1,2185)	1:183:A:LEU:HD21	1:180:A:ALA:HB1	2	0.2
(1,2185)	1:183:A:LEU:HD21	1:180:A:ALA:HB2	2	0.2
(1,2185)	1:183:A:LEU:HD21	1:180:A:ALA:HB3	2	0.2
(1,2185)	1:183:A:LEU:HD22	1:180:A:ALA:HB1	2	0.2
(1,2185)	1:183:A:LEU:HD22	1:180:A:ALA:HB2	2	0.2
(1,2185)	1:183:A:LEU:HD22	1:180:A:ALA:HB3	2	0.2
(1,2185)	1:183:A:LEU:HD23	1:180:A:ALA:HB1	2	0.2
(1,2185)	1:183:A:LEU:HD23	1:180:A:ALA:HB2	2	0.2
(1,2185)	1:183:A:LEU:HD23	1:180:A:ALA:HB3	2	0.2
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG21	2	0.2
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG22	2	0.2
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG23	2	0.2
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG21	17	0.2
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG22	17	0.2
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG23	17	0.2
(1,2021)	1:35:A:PHE:HB3	1:132:A:LEU:HD11	2	0.2
(1,2021)	1:35:A:PHE:HB3	1:132:A:LEU:HD12	2	0.2
(1,2021)	1:35:A:PHE:HB3	1:132:A:LEU:HD13	2	0.2
(1,2021)	1:35:A:PHE:HB3	1:132:A:LEU:HD21	2	0.2
(1,2021)	1:35:A:PHE:HB3	1:132:A:LEU:HD22	2	0.2
(1,2021)	1:35:A:PHE:HB3	1:132:A:LEU:HD23	2	0.2
(1,2021)	1:35:A:PHE:HB3	1:132:A:LEU:HD11	20	0.2
(1,2021)	1:35:A:PHE:HB3	1:132:A:LEU:HD12	20	0.2
(1,2021)	1:35:A:PHE:HB3	1:132:A:LEU:HD13	20	0.2
(1,2021)	1:35:A:PHE:HB3	1:132:A:LEU:HD21	20	0.2
(1,2021)	1:35:A:PHE:HB3	1:132:A:LEU:HD22	20	0.2
(1,2021)	1:35:A:PHE:HB3	1:132:A:LEU:HD23	20	0.2
(1,1961)	1:34:A:VAL:HG11	1:74:A:VAL:HG21	11	0.2
(1,1961)	1:34:A:VAL:HG11	1:74:A:VAL:HG22	11	0.2
(1,1961)	1:34:A:VAL:HG11	1:74:A:VAL:HG23	11	0.2
(1,1961)	1:34:A:VAL:HG12	1:74:A:VAL:HG21	11	0.2
(1,1961)	1:34:A:VAL:HG12	1:74:A:VAL:HG22	11	0.2
(1,1961)	1:34:A:VAL:HG12	1:74:A:VAL:HG23	11	0.2
(1,1961)	1:34:A:VAL:HG13	1:74:A:VAL:HG21	11	0.2
(1,1961)	1:34:A:VAL:HG13	1:74:A:VAL:HG22	11	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1961)	1:34:A:VAL:HG13	1:74:A:VAL:HG23	11	0.2
(1,1904)	1:125:A:TRP:HZ2	1:183:A:LEU:HD21	4	0.2
(1,1904)	1:125:A:TRP:HZ2	1:183:A:LEU:HD22	4	0.2
(1,1904)	1:125:A:TRP:HZ2	1:183:A:LEU:HD23	4	0.2
(1,1893)	1:147:A:LEU:H	1:147:A:LEU:HD21	20	0.2
(1,1893)	1:147:A:LEU:H	1:147:A:LEU:HD22	20	0.2
(1,1893)	1:147:A:LEU:H	1:147:A:LEU:HD23	20	0.2
(1,1796)	1:169:A:ARG:HA	1:169:A:ARG:HG3	5	0.2
(1,1730)	1:144:A:GLN:H	1:145:A:HIS:HB3	7	0.2
(1,1661)	1:106:A:ASN:H	1:105:A:GLU:HB3	4	0.2
(1,1661)	1:106:A:ASN:H	1:105:A:GLU:HB3	6	0.2
(1,1661)	1:106:A:ASN:H	1:105:A:GLU:HB3	15	0.2
(1,1661)	1:106:A:ASN:H	1:105:A:GLU:HB3	16	0.2
(1,1661)	1:106:A:ASN:H	1:105:A:GLU:HB3	17	0.2
(1,1661)	1:106:A:ASN:H	1:105:A:GLU:HB3	20	0.2
(1,1522)	1:81:A:ILE:HD11	1:77:A:GLN:HG3	16	0.2
(1,1522)	1:81:A:ILE:HD12	1:77:A:GLN:HG3	16	0.2
(1,1522)	1:81:A:ILE:HD13	1:77:A:GLN:HG3	16	0.2
(1,1476)	1:29:A:GLN:H	1:29:A:GLN:HG3	6	0.2
(1,1428)	1:31:A:THR:HB	1:32:A:GLU:HG3	7	0.2
(1,1377)	1:87:A:ARG:HB3	1:86:A:ASN:HB3	18	0.2
(1,1298)	1:85:A:ILE:HA	1:84:A:ASP:HB3	5	0.2
(1,1243)	1:113:A:LYS:HG3	1:113:A:LYS:HE3	3	0.2
(1,1157)	1:36:A:ARG:HG3	1:36:A:ARG:HD3	6	0.2
(1,1157)	1:36:A:ARG:HG3	1:36:A:ARG:HD3	7	0.2
(1,1157)	1:36:A:ARG:HG3	1:36:A:ARG:HD3	18	0.2
(1,1115)	1:35:A:PHE:HE1	1:135:A:GLY:HA2	12	0.2
(1,1115)	1:35:A:PHE:HE2	1:135:A:GLY:HA2	12	0.2
(1,1094)	1:100:A:LEU:H	1:102:A:PRO:HD3	5	0.2
(1,1088)	1:65:A:LEU:H	1:64:A:PRO:HD3	3	0.2
(1,1087)	1:47:A:GLN:HE22	1:55:A:PRO:HD3	6	0.2
(1,1029)	1:147:A:LEU:HD21	1:104:A:ALA:HA	6	0.2
(1,1029)	1:147:A:LEU:HD22	1:104:A:ALA:HA	6	0.2
(1,1029)	1:147:A:LEU:HD23	1:104:A:ALA:HA	6	0.2
(1,1027)	1:27:A:VAL:HG21	1:168:A:ALA:HA	14	0.2
(1,1027)	1:27:A:VAL:HG22	1:168:A:ALA:HA	14	0.2
(1,1027)	1:27:A:VAL:HG23	1:168:A:ALA:HA	14	0.2
(1,1001)	1:73:A:GLN:HG3	1:181:A:LEU:HA	17	0.2
(1,766)	1:38:A:TYR:H	1:37:A:SER:HB3	1	0.2
(1,558)	1:101:A:GLN:HG3	1:101:A:GLN:H	13	0.2
(1,382)	1:98:A:GLN:HG3	1:98:A:GLN:H	2	0.2
(1,379)	1:50:A:GLU:HB3	1:50:A:GLU:H	4	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,264)	1:86:A:ASN:HB3	1:86:A:ASN:H	20	0.2
(1,171)	1:162:A:MET:HB3	1:161:A:PHE:H	11	0.2
(1,130)	1:106:A:ASN:HB3	1:107:A:ALA:H	15	0.2
(2,163)	1:170:A:TRP:O	1:174:A:ARG:N	4	0.19
(2,162)	1:169:A:ARG:O	1:173:A:GLN:N	2	0.19
(2,162)	1:169:A:ARG:O	1:173:A:GLN:N	8	0.19
(2,162)	1:169:A:ARG:O	1:173:A:GLN:N	10	0.19
(2,162)	1:169:A:ARG:O	1:173:A:GLN:N	16	0.19
(2,158)	1:156:A:ARG:O	1:160:A:ASP:N	17	0.19
(2,156)	1:152:A:GLY:O	1:156:A:ARG:N	4	0.19
(2,156)	1:152:A:GLY:O	1:156:A:ARG:N	7	0.19
(2,156)	1:152:A:GLY:O	1:156:A:ARG:N	14	0.19
(2,153)	1:134:A:PHE:O	1:138:A:LEU:N	15	0.19
(2,152)	1:131:A:LEU:O	1:135:A:GLY:N	12	0.19
(2,151)	1:127:A:ARG:O	1:131:A:LEU:N	20	0.19
(2,150)	1:113:A:LYS:O	1:117:A:SER:N	4	0.19
(2,150)	1:113:A:LYS:O	1:117:A:SER:N	11	0.19
(2,144)	1:94:A:GLN:O	1:98:A:GLN:N	9	0.19
(2,144)	1:94:A:GLN:O	1:98:A:GLN:N	13	0.19
(2,139)	1:40:A:PHE:O	1:44:A:GLN:N	11	0.19
(2,137)	1:38:A:TYR:O	1:42:A:ARG:N	5	0.19
(2,127)	1:24:A:GLU:O	1:28:A:ALA:N	19	0.19
(2,109)	1:155:A:THR:O	1:159:A:VAL:H	12	0.19
(2,87)	1:132:A:LEU:O	1:136:A:TYR:H	3	0.19
(2,87)	1:132:A:LEU:O	1:136:A:TYR:H	8	0.19
(2,53)	1:93:A:PHE:O	1:97:A:LEU:H	4	0.19
(2,53)	1:93:A:PHE:O	1:97:A:LEU:H	11	0.19
(2,10)	1:28:A:ALA:O	1:32:A:GLU:N	12	0.19
(1,3096)	1:126:A:GLY:H	2:98:B:ASP:HB3	18	0.19
(1,3095)	1:117:A:SER:H	2:87:B:ALA:HB1	5	0.19
(1,3095)	1:117:A:SER:H	2:87:B:ALA:HB2	5	0.19
(1,3095)	1:117:A:SER:H	2:87:B:ALA:HB3	5	0.19
(1,3065)	1:114:A:ILE:HD11	2:86:B:ILE:HG13	9	0.19
(1,3065)	1:114:A:ILE:HD12	2:86:B:ILE:HG13	9	0.19
(1,3065)	1:114:A:ILE:HD13	2:86:B:ILE:HG13	9	0.19
(1,2979)	1:81:A:ILE:HG21	2:101:B:ILE:HG13	13	0.19
(1,2979)	1:81:A:ILE:HG22	2:101:B:ILE:HG13	13	0.19
(1,2979)	1:81:A:ILE:HG23	2:101:B:ILE:HG13	13	0.19
(1,2979)	1:81:A:ILE:HG21	2:101:B:ILE:HG13	14	0.19
(1,2979)	1:81:A:ILE:HG22	2:101:B:ILE:HG13	14	0.19
(1,2979)	1:81:A:ILE:HG23	2:101:B:ILE:HG13	14	0.19
(1,2934)	2:99:B:ARG:HA	2:99:B:ARG:HG3	3	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2892)	2:84:B:ARG:HA	2:84:B:ARG:HG3	2	0.19
(1,2851)	2:88:B:ARG:HB3	2:88:B:ARG:HG3	7	0.19
(1,2822)	2:88:B:ARG:HA	2:88:B:ARG:HD3	7	0.19
(1,2822)	2:88:B:ARG:HA	2:88:B:ARG:HD3	8	0.19
(1,2822)	2:88:B:ARG:HA	2:88:B:ARG:HD3	12	0.19
(1,2822)	2:88:B:ARG:HA	2:88:B:ARG:HD3	16	0.19
(1,2804)	2:84:B:ARG:HB3	2:85:B:ASN:H	8	0.19
(1,2804)	2:84:B:ARG:HB3	2:85:B:ASN:H	9	0.19
(1,2778)	2:88:B:ARG:H	2:88:B:ARG:HD3	6	0.19
(1,2601)	1:55:A:PRO:HG3	1:136:A:TYR:HE1	9	0.19
(1,2601)	1:55:A:PRO:HG3	1:136:A:TYR:HE2	9	0.19
(1,2601)	1:55:A:PRO:HG3	1:136:A:TYR:HE1	14	0.19
(1,2601)	1:55:A:PRO:HG3	1:136:A:TYR:HE2	14	0.19
(1,2601)	1:55:A:PRO:HG3	1:136:A:TYR:HE1	15	0.19
(1,2601)	1:55:A:PRO:HG3	1:136:A:TYR:HE2	15	0.19
(1,2483)	1:147:A:LEU:HD21	1:150:A:PHE:HZ	3	0.19
(1,2483)	1:147:A:LEU:HD22	1:150:A:PHE:HZ	3	0.19
(1,2483)	1:147:A:LEU:HD23	1:150:A:PHE:HZ	3	0.19
(1,2450)	1:158:A:VAL:HG21	1:111:A:PHE:HE1	10	0.19
(1,2450)	1:158:A:VAL:HG21	1:111:A:PHE:HE2	10	0.19
(1,2450)	1:158:A:VAL:HG22	1:111:A:PHE:HE1	10	0.19
(1,2450)	1:158:A:VAL:HG22	1:111:A:PHE:HE2	10	0.19
(1,2450)	1:158:A:VAL:HG23	1:111:A:PHE:HE1	10	0.19
(1,2450)	1:158:A:VAL:HG23	1:111:A:PHE:HE2	10	0.19
(1,2440)	1:131:A:LEU:HD21	1:134:A:PHE:HE1	3	0.19
(1,2440)	1:131:A:LEU:HD21	1:134:A:PHE:HE2	3	0.19
(1,2440)	1:131:A:LEU:HD22	1:134:A:PHE:HE1	3	0.19
(1,2440)	1:131:A:LEU:HD22	1:134:A:PHE:HE2	3	0.19
(1,2440)	1:131:A:LEU:HD23	1:134:A:PHE:HE1	3	0.19
(1,2440)	1:131:A:LEU:HD23	1:134:A:PHE:HE2	3	0.19
(1,2440)	1:131:A:LEU:HD21	1:134:A:PHE:HE1	10	0.19
(1,2440)	1:131:A:LEU:HD21	1:134:A:PHE:HE2	10	0.19
(1,2440)	1:131:A:LEU:HD22	1:134:A:PHE:HE1	10	0.19
(1,2440)	1:131:A:LEU:HD22	1:134:A:PHE:HE2	10	0.19
(1,2440)	1:131:A:LEU:HD23	1:134:A:PHE:HE1	10	0.19
(1,2440)	1:131:A:LEU:HD23	1:134:A:PHE:HE2	10	0.19
(1,2440)	1:131:A:LEU:HD21	1:134:A:PHE:HE1	12	0.19
(1,2440)	1:131:A:LEU:HD21	1:134:A:PHE:HE2	12	0.19
(1,2440)	1:131:A:LEU:HD22	1:134:A:PHE:HE1	12	0.19
(1,2440)	1:131:A:LEU:HD22	1:134:A:PHE:HE2	12	0.19
(1,2440)	1:131:A:LEU:HD23	1:134:A:PHE:HE1	12	0.19
(1,2440)	1:131:A:LEU:HD23	1:134:A:PHE:HE2	12	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2417)	1:136:A:TYR:HB3	1:35:A:PHE:HE1	11	0.19
(1,2417)	1:136:A:TYR:HB3	1:35:A:PHE:HE2	11	0.19
(1,2398)	1:37:A:SER:HB3	1:40:A:PHE:HD1	1	0.19
(1,2398)	1:37:A:SER:HB3	1:40:A:PHE:HD2	1	0.19
(1,2336)	1:145:A:HIS:HA	1:145:A:HIS:HE1	6	0.19
(1,2327)	1:162:A:MET:HA	1:167:A:ILE:HD11	4	0.19
(1,2327)	1:162:A:MET:HA	1:167:A:ILE:HD12	4	0.19
(1,2327)	1:162:A:MET:HA	1:167:A:ILE:HD13	4	0.19
(1,2318)	1:84:A:ASP:HB3	1:85:A:ILE:HD11	18	0.19
(1,2318)	1:84:A:ASP:HB3	1:85:A:ILE:HD12	18	0.19
(1,2318)	1:84:A:ASP:HB3	1:85:A:ILE:HD13	18	0.19
(1,2133)	1:159:A:VAL:HG21	1:28:A:ALA:HB1	16	0.19
(1,2133)	1:159:A:VAL:HG21	1:28:A:ALA:HB2	16	0.19
(1,2133)	1:159:A:VAL:HG21	1:28:A:ALA:HB3	16	0.19
(1,2133)	1:159:A:VAL:HG22	1:28:A:ALA:HB1	16	0.19
(1,2133)	1:159:A:VAL:HG22	1:28:A:ALA:HB2	16	0.19
(1,2133)	1:159:A:VAL:HG22	1:28:A:ALA:HB3	16	0.19
(1,2133)	1:159:A:VAL:HG23	1:28:A:ALA:HB1	16	0.19
(1,2133)	1:159:A:VAL:HG23	1:28:A:ALA:HB2	16	0.19
(1,2133)	1:159:A:VAL:HG23	1:28:A:ALA:HB3	16	0.19
(1,2021)	1:35:A:PHE:HB3	1:132:A:LEU:HD11	4	0.19
(1,2021)	1:35:A:PHE:HB3	1:132:A:LEU:HD12	4	0.19
(1,2021)	1:35:A:PHE:HB3	1:132:A:LEU:HD13	4	0.19
(1,2021)	1:35:A:PHE:HB3	1:132:A:LEU:HD21	4	0.19
(1,2021)	1:35:A:PHE:HB3	1:132:A:LEU:HD22	4	0.19
(1,2021)	1:35:A:PHE:HB3	1:132:A:LEU:HD23	4	0.19
(1,1990)	1:118:A:LEU:HB3	1:118:A:LEU:HD11	8	0.19
(1,1990)	1:118:A:LEU:HB3	1:118:A:LEU:HD12	8	0.19
(1,1990)	1:118:A:LEU:HB3	1:118:A:LEU:HD13	8	0.19
(1,1867)	1:73:A:GLN:HG3	1:181:A:LEU:HD11	14	0.19
(1,1867)	1:73:A:GLN:HG3	1:181:A:LEU:HD12	14	0.19
(1,1867)	1:73:A:GLN:HG3	1:181:A:LEU:HD13	14	0.19
(1,1836)	1:175:A:GLY:H	1:174:A:ARG:HG3	7	0.19
(1,1796)	1:169:A:ARG:HA	1:169:A:ARG:HG3	1	0.19
(1,1795)	1:169:A:ARG:H	1:169:A:ARG:HG3	6	0.19
(1,1670)	1:137:A:ARG:HD3	1:137:A:ARG:HB3	19	0.19
(1,1661)	1:106:A:ASN:H	1:105:A:GLU:HB3	1	0.19
(1,1661)	1:106:A:ASN:H	1:105:A:GLU:HB3	5	0.19
(1,1661)	1:106:A:ASN:H	1:105:A:GLU:HB3	19	0.19
(1,1660)	1:47:A:GLN:HE21	1:46:A:GLU:HB3	16	0.19
(1,1660)	1:47:A:GLN:HE21	1:46:A:GLU:HB3	20	0.19
(1,1428)	1:31:A:THR:HB	1:32:A:GLU:HG3	17	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1418)	1:120:A:GLU:H	1:120:A:GLU:HG3	4	0.19
(1,1418)	1:120:A:GLU:H	1:120:A:GLU:HG3	5	0.19
(1,1350)	1:179:A:ALA:HB1	1:182:A:ASN:HB3	15	0.19
(1,1350)	1:179:A:ALA:HB2	1:182:A:ASN:HB3	15	0.19
(1,1350)	1:179:A:ALA:HB3	1:182:A:ASN:HB3	15	0.19
(1,1298)	1:85:A:ILE:HA	1:84:A:ASP:HB3	11	0.19
(1,1298)	1:85:A:ILE:HA	1:84:A:ASP:HB3	13	0.19
(1,1264)	1:20:A:PRO:HA	1:19:A:LEU:HB3	11	0.19
(1,1157)	1:36:A:ARG:HG3	1:36:A:ARG:HD3	8	0.19
(1,1156)	1:156:A:ARG:H	1:156:A:ARG:HD3	13	0.19
(1,1130)	1:50:A:GLU:HB3	1:51:A:GLY:HA2	4	0.19
(1,1115)	1:35:A:PHE:HE1	1:135:A:GLY:HA2	4	0.19
(1,1115)	1:35:A:PHE:HE2	1:135:A:GLY:HA2	4	0.19
(1,962)	1:163:A:LEU:HB3	1:160:A:ASP:HA	8	0.19
(1,733)	1:26:A:GLN:HG3	1:23:A:SER:HB3	16	0.19
(1,397)	1:20:A:PRO:HB3	1:21:A:SER:H	13	0.19
(1,397)	1:20:A:PRO:HB3	1:21:A:SER:H	15	0.19
(1,379)	1:50:A:GLU:HB3	1:50:A:GLU:H	6	0.19
(1,379)	1:50:A:GLU:HB3	1:50:A:GLU:H	13	0.19
(1,320)	1:163:A:LEU:HD11	1:29:A:GLN:H	16	0.19
(1,320)	1:163:A:LEU:HD12	1:29:A:GLN:H	16	0.19
(1,320)	1:163:A:LEU:HD13	1:29:A:GLN:H	16	0.19
(1,320)	1:163:A:LEU:HD21	1:29:A:GLN:H	16	0.19
(1,320)	1:163:A:LEU:HD22	1:29:A:GLN:H	16	0.19
(1,320)	1:163:A:LEU:HD23	1:29:A:GLN:H	16	0.19
(1,318)	1:27:A:VAL:HG11	1:177:A:TRP:H	14	0.19
(1,318)	1:27:A:VAL:HG12	1:177:A:TRP:H	14	0.19
(1,318)	1:27:A:VAL:HG13	1:177:A:TRP:H	14	0.19
(1,270)	1:23:A:SER:HA	1:25:A:GLU:H	4	0.19
(1,264)	1:86:A:ASN:HB3	1:86:A:ASN:H	8	0.19
(1,180)	1:46:A:GLU:HB3	1:46:A:GLU:H	18	0.19
(1,171)	1:162:A:MET:HB3	1:161:A:PHE:H	15	0.19
(1,154)	1:32:A:GLU:HG3	1:32:A:GLU:H	7	0.19
(1,96)	1:29:A:GLN:HB3	1:30:A:ASP:H	12	0.19
(1,78)	1:64:A:PRO:HB3	1:65:A:LEU:H	1	0.19
(1,78)	1:64:A:PRO:HB3	1:65:A:LEU:H	3	0.19
(1,78)	1:64:A:PRO:HB3	1:65:A:LEU:H	5	0.19
(1,78)	1:64:A:PRO:HB3	1:65:A:LEU:H	10	0.19
(1,78)	1:64:A:PRO:HB3	1:65:A:LEU:H	15	0.19
(2,162)	1:169:A:ARG:O	1:173:A:GLN:N	5	0.18
(2,162)	1:169:A:ARG:O	1:173:A:GLN:N	12	0.18
(2,160)	1:159:A:VAL:O	1:163:A:LEU:N	16	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,159)	1:158:A:VAL:O	1:162:A:MET:N	18	0.18
(2,156)	1:152:A:GLY:O	1:156:A:ARG:N	8	0.18
(2,150)	1:113:A:LYS:O	1:117:A:SER:N	12	0.18
(2,150)	1:113:A:LYS:O	1:117:A:SER:N	19	0.18
(2,144)	1:94:A:GLN:O	1:98:A:GLN:N	15	0.18
(2,143)	1:93:A:PHE:O	1:97:A:LEU:N	19	0.18
(2,141)	1:82:A:GLY:O	1:86:A:ASN:N	2	0.18
(2,141)	1:82:A:GLY:O	1:86:A:ASN:N	11	0.18
(2,140)	1:78:A:LEU:O	1:82:A:GLY:N	4	0.18
(2,140)	1:78:A:LEU:O	1:82:A:GLY:N	10	0.18
(2,137)	1:38:A:TYR:O	1:42:A:ARG:N	16	0.18
(2,110)	1:155:A:THR:O	1:159:A:VAL:N	2	0.18
(2,95)	1:137:A:ARG:O	1:141:A:HIS:H	20	0.18
(2,91)	1:135:A:GLY:O	1:139:A:ALA:H	12	0.18
(2,87)	1:132:A:LEU:O	1:136:A:TYR:H	9	0.18
(2,87)	1:132:A:LEU:O	1:136:A:TYR:H	17	0.18
(2,77)	1:126:A:GLY:O	1:130:A:ALA:H	1	0.18
(2,53)	1:93:A:PHE:O	1:97:A:LEU:H	9	0.18
(2,10)	1:28:A:ALA:O	1:32:A:GLU:N	2	0.18
(1,3106)	2:93:B:VAL:HG21	1:89:A:TYR:HB3	6	0.18
(1,3106)	2:93:B:VAL:HG22	1:89:A:TYR:HB3	6	0.18
(1,3106)	2:93:B:VAL:HG23	1:89:A:TYR:HB3	6	0.18
(1,3106)	2:93:B:VAL:HG21	1:89:A:TYR:HB3	10	0.18
(1,3106)	2:93:B:VAL:HG22	1:89:A:TYR:HB3	10	0.18
(1,3106)	2:93:B:VAL:HG23	1:89:A:TYR:HB3	10	0.18
(1,3103)	1:89:A:TYR:HD1	2:92:B:MK8:HB1A	6	0.18
(1,3103)	1:89:A:TYR:HD1	2:92:B:MK8:HB1B	6	0.18
(1,3103)	1:89:A:TYR:HD2	2:92:B:MK8:HB1A	6	0.18
(1,3103)	1:89:A:TYR:HD2	2:92:B:MK8:HB1B	6	0.18
(1,3103)	1:89:A:TYR:HD1	2:92:B:MK8:HB1A	9	0.18
(1,3103)	1:89:A:TYR:HD1	2:92:B:MK8:HB1B	9	0.18
(1,3103)	1:89:A:TYR:HD2	2:92:B:MK8:HB1A	9	0.18
(1,3103)	1:89:A:TYR:HD2	2:92:B:MK8:HB1B	9	0.18
(1,3103)	1:89:A:TYR:HD1	2:92:B:MK8:HB1A	18	0.18
(1,3103)	1:89:A:TYR:HD1	2:92:B:MK8:HB1B	18	0.18
(1,3103)	1:89:A:TYR:HD2	2:92:B:MK8:HB1A	18	0.18
(1,3103)	1:89:A:TYR:HD2	2:92:B:MK8:HB1B	18	0.18
(1,3096)	1:126:A:GLY:H	2:98:B:ASP:HB3	8	0.18
(1,3095)	1:117:A:SER:H	2:87:B:ALA:HB1	7	0.18
(1,3095)	1:117:A:SER:H	2:87:B:ALA:HB2	7	0.18
(1,3095)	1:117:A:SER:H	2:87:B:ALA:HB3	7	0.18
(1,3086)	1:129:A:VAL:H	2:97:B:NLE:HD2	16	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3086)	1:129:A:VAL:H	2:97:B:NLE:HD3	16	0.18
(1,3065)	1:114:A:ILE:HD11	2:86:B:ILE:HG13	7	0.18
(1,3065)	1:114:A:ILE:HD12	2:86:B:ILE:HG13	7	0.18
(1,3065)	1:114:A:ILE:HD13	2:86:B:ILE:HG13	7	0.18
(1,3065)	1:114:A:ILE:HD11	2:86:B:ILE:HG13	10	0.18
(1,3065)	1:114:A:ILE:HD12	2:86:B:ILE:HG13	10	0.18
(1,3065)	1:114:A:ILE:HD13	2:86:B:ILE:HG13	10	0.18
(1,3060)	1:100:A:LEU:HD11	2:83:B:ILE:HG13	3	0.18
(1,3060)	1:100:A:LEU:HD12	2:83:B:ILE:HG13	3	0.18
(1,3060)	1:100:A:LEU:HD13	2:83:B:ILE:HG13	3	0.18
(1,3060)	1:100:A:LEU:HD21	2:83:B:ILE:HG13	3	0.18
(1,3060)	1:100:A:LEU:HD22	2:83:B:ILE:HG13	3	0.18
(1,3060)	1:100:A:LEU:HD23	2:83:B:ILE:HG13	3	0.18
(1,2979)	1:81:A:ILE:HG21	2:101:B:ILE:HG13	6	0.18
(1,2979)	1:81:A:ILE:HG22	2:101:B:ILE:HG13	6	0.18
(1,2979)	1:81:A:ILE:HG23	2:101:B:ILE:HG13	6	0.18
(1,2947)	1:85:A:ILE:HD11	2:97:B:NLE:HD2	5	0.18
(1,2947)	1:85:A:ILE:HD11	2:97:B:NLE:HD3	5	0.18
(1,2947)	1:85:A:ILE:HD12	2:97:B:NLE:HD2	5	0.18
(1,2947)	1:85:A:ILE:HD12	2:97:B:NLE:HD3	5	0.18
(1,2947)	1:85:A:ILE:HD13	2:97:B:NLE:HD2	5	0.18
(1,2947)	1:85:A:ILE:HD13	2:97:B:NLE:HD3	5	0.18
(1,2934)	2:99:B:ARG:HA	2:99:B:ARG:HG3	13	0.18
(1,2933)	2:99:B:ARG:H	2:99:B:ARG:HG3	5	0.18
(1,2928)	2:95:B:ASP:HA	2:98:B:ASP:HB3	5	0.18
(1,2916)	2:90:B:LEU:HB3	2:91:B:ALA:H	18	0.18
(1,2894)	2:84:B:ARG:HG3	2:85:B:ASN:H	9	0.18
(1,2890)	2:84:B:ARG:H	2:84:B:ARG:HG3	8	0.18
(1,2844)	2:86:B:ILE:HA	2:90:B:LEU:H	1	0.18
(1,2791)	2:81:B:ASP:HA	2:84:B:ARG:HD3	11	0.18
(1,2791)	2:81:B:ASP:HA	2:84:B:ARG:HD3	16	0.18
(1,2759)	2:82:B:ILE:H	2:82:B:ILE:HB	18	0.18
(1,2730)	2:93:B:VAL:HA	2:96:B:MK8:HB	9	0.18
(1,2601)	1:55:A:PRO:HG3	1:136:A:TYR:HE1	7	0.18
(1,2601)	1:55:A:PRO:HG3	1:136:A:TYR:HE2	7	0.18
(1,2601)	1:55:A:PRO:HG3	1:136:A:TYR:HE1	13	0.18
(1,2601)	1:55:A:PRO:HG3	1:136:A:TYR:HE2	13	0.18
(1,2586)	1:100:A:LEU:HD11	1:110:A:TYR:HE1	2	0.18
(1,2586)	1:100:A:LEU:HD11	1:110:A:TYR:HE2	2	0.18
(1,2586)	1:100:A:LEU:HD12	1:110:A:TYR:HE1	2	0.18
(1,2586)	1:100:A:LEU:HD12	1:110:A:TYR:HE2	2	0.18
(1,2586)	1:100:A:LEU:HD13	1:110:A:TYR:HE1	2	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2586)	1:100:A:LEU:HD13	1:110:A:TYR:HE2	2	0.18
(1,2559)	1:145:A:HIS:H	1:145:A:HIS:HD2	11	0.18
(1,2556)	1:183:A:LEU:HD21	1:125:A:TRP:HE3	11	0.18
(1,2556)	1:183:A:LEU:HD22	1:125:A:TRP:HE3	11	0.18
(1,2556)	1:183:A:LEU:HD23	1:125:A:TRP:HE3	11	0.18
(1,2440)	1:131:A:LEU:HD21	1:134:A:PHE:HE1	17	0.18
(1,2440)	1:131:A:LEU:HD21	1:134:A:PHE:HE2	17	0.18
(1,2440)	1:131:A:LEU:HD22	1:134:A:PHE:HE1	17	0.18
(1,2440)	1:131:A:LEU:HD22	1:134:A:PHE:HE2	17	0.18
(1,2440)	1:131:A:LEU:HD23	1:134:A:PHE:HE1	17	0.18
(1,2440)	1:131:A:LEU:HD23	1:134:A:PHE:HE2	17	0.18
(1,2090)	1:102:A:PRO:HG3	1:142:A:VAL:HG11	7	0.18
(1,2090)	1:102:A:PRO:HG3	1:142:A:VAL:HG12	7	0.18
(1,2090)	1:102:A:PRO:HG3	1:142:A:VAL:HG13	7	0.18
(1,2088)	1:139:A:ALA:HA	1:142:A:VAL:HG11	8	0.18
(1,2088)	1:139:A:ALA:HA	1:142:A:VAL:HG12	8	0.18
(1,2088)	1:139:A:ALA:HA	1:142:A:VAL:HG13	8	0.18
(1,2016)	1:32:A:GLU:H	1:159:A:VAL:HG11	3	0.18
(1,2016)	1:32:A:GLU:H	1:159:A:VAL:HG12	3	0.18
(1,2016)	1:32:A:GLU:H	1:159:A:VAL:HG13	3	0.18
(1,1990)	1:118:A:LEU:HB3	1:118:A:LEU:HD11	1	0.18
(1,1990)	1:118:A:LEU:HB3	1:118:A:LEU:HD12	1	0.18
(1,1990)	1:118:A:LEU:HB3	1:118:A:LEU:HD13	1	0.18
(1,1990)	1:118:A:LEU:HB3	1:118:A:LEU:HD11	2	0.18
(1,1990)	1:118:A:LEU:HB3	1:118:A:LEU:HD12	2	0.18
(1,1990)	1:118:A:LEU:HB3	1:118:A:LEU:HD13	2	0.18
(1,1990)	1:118:A:LEU:HB3	1:118:A:LEU:HD11	5	0.18
(1,1990)	1:118:A:LEU:HB3	1:118:A:LEU:HD12	5	0.18
(1,1990)	1:118:A:LEU:HB3	1:118:A:LEU:HD13	5	0.18
(1,1990)	1:118:A:LEU:HB3	1:118:A:LEU:HD11	7	0.18
(1,1990)	1:118:A:LEU:HB3	1:118:A:LEU:HD12	7	0.18
(1,1990)	1:118:A:LEU:HB3	1:118:A:LEU:HD13	7	0.18
(1,1990)	1:118:A:LEU:HB3	1:118:A:LEU:HD11	10	0.18
(1,1990)	1:118:A:LEU:HB3	1:118:A:LEU:HD12	10	0.18
(1,1990)	1:118:A:LEU:HB3	1:118:A:LEU:HD13	10	0.18
(1,1990)	1:118:A:LEU:HB3	1:118:A:LEU:HD11	11	0.18
(1,1990)	1:118:A:LEU:HB3	1:118:A:LEU:HD12	11	0.18
(1,1990)	1:118:A:LEU:HB3	1:118:A:LEU:HD13	11	0.18
(1,1990)	1:118:A:LEU:HB3	1:118:A:LEU:HD11	13	0.18
(1,1990)	1:118:A:LEU:HB3	1:118:A:LEU:HD12	13	0.18
(1,1990)	1:118:A:LEU:HB3	1:118:A:LEU:HD13	13	0.18
(1,1990)	1:118:A:LEU:HB3	1:118:A:LEU:HD11	15	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1990)	1:118:A:LEU:HB3	1:118:A:LEU:HD12	15	0.18
(1,1990)	1:118:A:LEU:HB3	1:118:A:LEU:HD13	15	0.18
(1,1990)	1:118:A:LEU:HB3	1:118:A:LEU:HD11	16	0.18
(1,1990)	1:118:A:LEU:HB3	1:118:A:LEU:HD12	16	0.18
(1,1990)	1:118:A:LEU:HB3	1:118:A:LEU:HD13	16	0.18
(1,1990)	1:118:A:LEU:HB3	1:118:A:LEU:HD11	18	0.18
(1,1990)	1:118:A:LEU:HB3	1:118:A:LEU:HD12	18	0.18
(1,1990)	1:118:A:LEU:HB3	1:118:A:LEU:HD13	18	0.18
(1,1990)	1:118:A:LEU:HB3	1:118:A:LEU:HD11	20	0.18
(1,1990)	1:118:A:LEU:HB3	1:118:A:LEU:HD12	20	0.18
(1,1990)	1:118:A:LEU:HB3	1:118:A:LEU:HD13	20	0.18
(1,1961)	1:34:A:VAL:HG11	1:74:A:VAL:HG21	2	0.18
(1,1961)	1:34:A:VAL:HG11	1:74:A:VAL:HG22	2	0.18
(1,1961)	1:34:A:VAL:HG11	1:74:A:VAL:HG23	2	0.18
(1,1961)	1:34:A:VAL:HG12	1:74:A:VAL:HG21	2	0.18
(1,1961)	1:34:A:VAL:HG12	1:74:A:VAL:HG22	2	0.18
(1,1961)	1:34:A:VAL:HG12	1:74:A:VAL:HG23	2	0.18
(1,1961)	1:34:A:VAL:HG13	1:74:A:VAL:HG21	2	0.18
(1,1961)	1:34:A:VAL:HG13	1:74:A:VAL:HG22	2	0.18
(1,1961)	1:34:A:VAL:HG13	1:74:A:VAL:HG23	2	0.18
(1,1960)	1:177:A:TRP:HE3	1:74:A:VAL:HG21	19	0.18
(1,1960)	1:177:A:TRP:HE3	1:74:A:VAL:HG22	19	0.18
(1,1960)	1:177:A:TRP:HE3	1:74:A:VAL:HG23	19	0.18
(1,1827)	1:162:A:MET:HE1	1:131:A:LEU:HD11	10	0.18
(1,1827)	1:162:A:MET:HE1	1:131:A:LEU:HD12	10	0.18
(1,1827)	1:162:A:MET:HE1	1:131:A:LEU:HD13	10	0.18
(1,1827)	1:162:A:MET:HE2	1:131:A:LEU:HD11	10	0.18
(1,1827)	1:162:A:MET:HE2	1:131:A:LEU:HD12	10	0.18
(1,1827)	1:162:A:MET:HE2	1:131:A:LEU:HD13	10	0.18
(1,1827)	1:162:A:MET:HE3	1:131:A:LEU:HD11	10	0.18
(1,1827)	1:162:A:MET:HE3	1:131:A:LEU:HD12	10	0.18
(1,1827)	1:162:A:MET:HE3	1:131:A:LEU:HD13	10	0.18
(1,1827)	1:162:A:MET:HE1	1:131:A:LEU:HD11	15	0.18
(1,1827)	1:162:A:MET:HE1	1:131:A:LEU:HD12	15	0.18
(1,1827)	1:162:A:MET:HE1	1:131:A:LEU:HD13	15	0.18
(1,1827)	1:162:A:MET:HE2	1:131:A:LEU:HD11	15	0.18
(1,1827)	1:162:A:MET:HE2	1:131:A:LEU:HD12	15	0.18
(1,1827)	1:162:A:MET:HE2	1:131:A:LEU:HD13	15	0.18
(1,1827)	1:162:A:MET:HE3	1:131:A:LEU:HD11	15	0.18
(1,1827)	1:162:A:MET:HE3	1:131:A:LEU:HD12	15	0.18
(1,1827)	1:162:A:MET:HE3	1:131:A:LEU:HD13	15	0.18
(1,1796)	1:169:A:ARG:HA	1:169:A:ARG:HG3	16	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1777)	1:138:A:LEU:H	1:138:A:LEU:HG	15	0.18
(1,1709)	1:98:A:GLN:HE22	1:98:A:GLN:HB3	15	0.18
(1,1707)	1:94:A:GLN:HE22	1:94:A:GLN:HB3	13	0.18
(1,1644)	1:118:A:LEU:HD11	1:127:A:ARG:HG3	13	0.18
(1,1644)	1:118:A:LEU:HD12	1:127:A:ARG:HG3	13	0.18
(1,1644)	1:118:A:LEU:HD13	1:127:A:ARG:HG3	13	0.18
(1,1634)	1:25:A:GLU:H	1:24:A:GLU:HB3	12	0.18
(1,1555)	1:138:A:LEU:HD11	1:141:A:HIS:HB3	2	0.18
(1,1555)	1:138:A:LEU:HD12	1:141:A:HIS:HB3	2	0.18
(1,1555)	1:138:A:LEU:HD13	1:141:A:HIS:HB3	2	0.18
(1,1555)	1:138:A:LEU:HD21	1:141:A:HIS:HB3	2	0.18
(1,1555)	1:138:A:LEU:HD22	1:141:A:HIS:HB3	2	0.18
(1,1555)	1:138:A:LEU:HD23	1:141:A:HIS:HB3	2	0.18
(1,1549)	1:61:A:VAL:HG11	1:60:A:MET:HB3	4	0.18
(1,1549)	1:61:A:VAL:HG12	1:60:A:MET:HB3	4	0.18
(1,1549)	1:61:A:VAL:HG13	1:60:A:MET:HB3	4	0.18
(1,1537)	1:159:A:VAL:H	1:159:A:VAL:HB	5	0.18
(1,1428)	1:31:A:THR:HB	1:32:A:GLU:HG3	3	0.18
(1,1428)	1:31:A:THR:HB	1:32:A:GLU:HG3	8	0.18
(1,1297)	1:85:A:ILE:H	1:84:A:ASP:HB3	7	0.18
(1,1264)	1:20:A:PRO:HA	1:19:A:LEU:HB3	18	0.18
(1,1249)	1:86:A:ASN:HD22	1:42:A:ARG:HD3	6	0.18
(1,1243)	1:113:A:LYS:HG3	1:113:A:LYS:HE3	16	0.18
(1,1212)	1:113:A:LYS:HA	1:113:A:LYS:HE3	3	0.18
(1,1157)	1:36:A:ARG:HG3	1:36:A:ARG:HD3	13	0.18
(1,1157)	1:36:A:ARG:HG3	1:36:A:ARG:HD3	19	0.18
(1,1138)	1:52:A:VAL:HG11	1:51:A:GLY:HA3	16	0.18
(1,1138)	1:52:A:VAL:HG12	1:51:A:GLY:HA3	16	0.18
(1,1138)	1:52:A:VAL:HG13	1:51:A:GLY:HA3	16	0.18
(1,1138)	1:52:A:VAL:HG21	1:51:A:GLY:HA3	16	0.18
(1,1138)	1:52:A:VAL:HG22	1:51:A:GLY:HA3	16	0.18
(1,1138)	1:52:A:VAL:HG23	1:51:A:GLY:HA3	16	0.18
(1,1130)	1:50:A:GLU:HB3	1:51:A:GLY:HA2	20	0.18
(1,972)	1:140:A:LEU:HG	1:140:A:LEU:HA	3	0.18
(1,965)	1:84:A:ASP:HB3	1:84:A:ASP:HA	9	0.18
(1,923)	1:76:A:ARG:HG3	1:77:A:GLN:HA	13	0.18
(1,861)	1:46:A:GLU:HB3	1:43:A:HIS:HA	17	0.18
(1,766)	1:38:A:TYR:H	1:37:A:SER:HB3	16	0.18
(1,743)	1:62:A:THR:HG21	1:58:A:PRO:HA	4	0.18
(1,743)	1:62:A:THR:HG22	1:58:A:PRO:HA	4	0.18
(1,743)	1:62:A:THR:HG23	1:58:A:PRO:HA	4	0.18
(1,531)	1:23:A:SER:H	1:26:A:GLN:HE22	1	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,531)	1:23:A:SER:H	1:26:A:GLN:HE22	13	0.18
(1,491)	1:163:A:LEU:HB3	1:164:A:HIS:H	20	0.18
(1,475)	1:152:A:GLY:HA3	1:155:A:THR:H	5	0.18
(1,397)	1:20:A:PRO:HB3	1:21:A:SER:H	11	0.18
(1,379)	1:50:A:GLU:HB3	1:50:A:GLU:H	7	0.18
(1,264)	1:86:A:ASN:HB3	1:86:A:ASN:H	1	0.18
(1,234)	1:163:A:LEU:HB3	1:163:A:LEU:H	7	0.18
(1,123)	1:34:A:VAL:HG11	1:74:A:VAL:H	1	0.18
(1,123)	1:34:A:VAL:HG12	1:74:A:VAL:H	1	0.18
(1,123)	1:34:A:VAL:HG13	1:74:A:VAL:H	1	0.18
(1,123)	1:34:A:VAL:HG11	1:74:A:VAL:H	20	0.18
(1,123)	1:34:A:VAL:HG12	1:74:A:VAL:H	20	0.18
(1,123)	1:34:A:VAL:HG13	1:74:A:VAL:H	20	0.18
(1,78)	1:64:A:PRO:HB3	1:65:A:LEU:H	4	0.18
(1,78)	1:64:A:PRO:HB3	1:65:A:LEU:H	7	0.18
(1,78)	1:64:A:PRO:HB3	1:65:A:LEU:H	9	0.18
(1,78)	1:64:A:PRO:HB3	1:65:A:LEU:H	14	0.18
(1,78)	1:64:A:PRO:HB3	1:65:A:LEU:H	19	0.18
(1,74)	1:63:A:LEU:HD11	1:65:A:LEU:H	15	0.18
(1,74)	1:63:A:LEU:HD12	1:65:A:LEU:H	15	0.18
(1,74)	1:63:A:LEU:HD13	1:65:A:LEU:H	15	0.18
(2,162)	1:169:A:ARG:O	1:173:A:GLN:N	7	0.17
(2,162)	1:169:A:ARG:O	1:173:A:GLN:N	11	0.17
(2,162)	1:169:A:ARG:O	1:173:A:GLN:N	15	0.17
(2,160)	1:159:A:VAL:O	1:163:A:LEU:N	9	0.17
(2,159)	1:158:A:VAL:O	1:162:A:MET:N	12	0.17
(2,158)	1:156:A:ARG:O	1:160:A:ASP:N	18	0.17
(2,156)	1:152:A:GLY:O	1:156:A:ARG:N	16	0.17
(2,154)	1:150:A:PHE:O	1:154:A:VAL:N	6	0.17
(2,152)	1:131:A:LEU:O	1:135:A:GLY:N	15	0.17
(2,151)	1:127:A:ARG:O	1:131:A:LEU:N	2	0.17
(2,151)	1:127:A:ARG:O	1:131:A:LEU:N	18	0.17
(2,150)	1:113:A:LYS:O	1:117:A:SER:N	7	0.17
(2,146)	1:107:A:ALA:O	1:111:A:PHE:N	10	0.17
(2,146)	1:107:A:ALA:O	1:111:A:PHE:N	16	0.17
(2,146)	1:107:A:ALA:O	1:111:A:PHE:N	19	0.17
(2,145)	1:106:A:ASN:O	1:110:A:TYR:N	1	0.17
(2,144)	1:94:A:GLN:O	1:98:A:GLN:N	2	0.17
(2,144)	1:94:A:GLN:O	1:98:A:GLN:N	10	0.17
(2,140)	1:78:A:LEU:O	1:82:A:GLY:N	12	0.17
(2,140)	1:78:A:LEU:O	1:82:A:GLY:N	15	0.17
(2,139)	1:40:A:PHE:O	1:44:A:GLN:N	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,139)	1:40:A:PHE:O	1:44:A:GLN:N	18	0.17
(2,130)	1:30:A:ASP:O	1:34:A:VAL:N	5	0.17
(2,110)	1:155:A:THR:O	1:159:A:VAL:N	12	0.17
(2,95)	1:137:A:ARG:O	1:141:A:HIS:H	7	0.17
(2,88)	1:132:A:LEU:O	1:136:A:TYR:N	12	0.17
(2,88)	1:132:A:LEU:O	1:136:A:TYR:N	19	0.17
(2,87)	1:132:A:LEU:O	1:136:A:TYR:H	2	0.17
(2,87)	1:132:A:LEU:O	1:136:A:TYR:H	5	0.17
(2,87)	1:132:A:LEU:O	1:136:A:TYR:H	14	0.17
(2,47)	1:83:A:ASP:O	1:87:A:ARG:N	6	0.17
(1,3103)	1:89:A:TYR:HD1	2:92:B:MK8:HB1A	2	0.17
(1,3103)	1:89:A:TYR:HD1	2:92:B:MK8:HB1B	2	0.17
(1,3103)	1:89:A:TYR:HD2	2:92:B:MK8:HB1A	2	0.17
(1,3103)	1:89:A:TYR:HD2	2:92:B:MK8:HB1B	2	0.17
(1,3103)	1:89:A:TYR:HD1	2:92:B:MK8:HB1A	8	0.17
(1,3103)	1:89:A:TYR:HD1	2:92:B:MK8:HB1B	8	0.17
(1,3103)	1:89:A:TYR:HD2	2:92:B:MK8:HB1A	8	0.17
(1,3103)	1:89:A:TYR:HD2	2:92:B:MK8:HB1B	8	0.17
(1,3086)	1:129:A:VAL:H	2:97:B:NLE:HD2	14	0.17
(1,3086)	1:129:A:VAL:H	2:97:B:NLE:HD3	14	0.17
(1,2968)	1:113:A:LYS:HD3	2:86:B:ILE:HD11	1	0.17
(1,2968)	1:113:A:LYS:HD3	2:86:B:ILE:HD12	1	0.17
(1,2968)	1:113:A:LYS:HD3	2:86:B:ILE:HD13	1	0.17
(1,2928)	2:95:B:ASP:HA	2:98:B:ASP:HB3	17	0.17
(1,2916)	2:90:B:LEU:HB3	2:91:B:ALA:H	3	0.17
(1,2902)	2:87:B:ALA:HA	2:90:B:LEU:HB3	13	0.17
(1,2892)	2:84:B:ARG:HA	2:84:B:ARG:HG3	4	0.17
(1,2778)	2:88:B:ARG:H	2:88:B:ARG:HD3	19	0.17
(1,2758)	2:82:B:ILE:HB	2:83:B:ILE:H	3	0.17
(1,2758)	2:82:B:ILE:HB	2:83:B:ILE:H	12	0.17
(1,2757)	2:99:B:ARG:HA	2:99:B:ARG:HD3	12	0.17
(1,2690)	2:92:B:MK8:HE	2:96:B:MK8:HD	15	0.17
(1,2690)	2:92:B:MK8:HE	2:96:B:MK8:HDA	15	0.17
(1,2675)	2:82:B:ILE:HG21	2:83:B:ILE:H	18	0.17
(1,2675)	2:82:B:ILE:HG22	2:83:B:ILE:H	18	0.17
(1,2675)	2:82:B:ILE:HG23	2:83:B:ILE:H	18	0.17
(1,2636)	2:90:B:LEU:HA	2:93:B:VAL:HB	6	0.17
(1,2636)	2:90:B:LEU:HA	2:93:B:VAL:HB	10	0.17
(1,2494)	1:131:A:LEU:HD21	1:119:A:PHE:HZ	16	0.17
(1,2494)	1:131:A:LEU:HD22	1:119:A:PHE:HZ	16	0.17
(1,2494)	1:131:A:LEU:HD23	1:119:A:PHE:HZ	16	0.17
(1,2493)	1:118:A:LEU:HD21	1:119:A:PHE:HZ	9	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2493)	1:118:A:LEU:HD22	1:119:A:PHE:HZ	9	0.17
(1,2493)	1:118:A:LEU:HD23	1:119:A:PHE:HZ	9	0.17
(1,2345)	1:163:A:LEU:HB3	1:164:A:HIS:HE1	6	0.17
(1,2223)	1:26:A:GLN:HG3	1:172:A:ALA:HB1	14	0.17
(1,2223)	1:26:A:GLN:HG3	1:172:A:ALA:HB2	14	0.17
(1,2223)	1:26:A:GLN:HG3	1:172:A:ALA:HB3	14	0.17
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG21	9	0.17
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG22	9	0.17
(1,2148)	1:84:A:ASP:HB3	1:85:A:ILE:HG23	9	0.17
(1,2129)	1:175:A:GLY:HA2	1:179:A:ALA:HB1	14	0.17
(1,2129)	1:175:A:GLY:HA2	1:179:A:ALA:HB2	14	0.17
(1,2129)	1:175:A:GLY:HA2	1:179:A:ALA:HB3	14	0.17
(1,2094)	1:177:A:TRP:HZ3	1:34:A:VAL:HG21	11	0.17
(1,2094)	1:177:A:TRP:HZ3	1:34:A:VAL:HG22	11	0.17
(1,2094)	1:177:A:TRP:HZ3	1:34:A:VAL:HG23	11	0.17
(1,2088)	1:139:A:ALA:HA	1:142:A:VAL:HG11	3	0.17
(1,2088)	1:139:A:ALA:HA	1:142:A:VAL:HG12	3	0.17
(1,2088)	1:139:A:ALA:HA	1:142:A:VAL:HG13	3	0.17
(1,2087)	1:150:A:PHE:HE1	1:142:A:VAL:HG11	9	0.17
(1,2087)	1:150:A:PHE:HE1	1:142:A:VAL:HG12	9	0.17
(1,2087)	1:150:A:PHE:HE1	1:142:A:VAL:HG13	9	0.17
(1,2087)	1:150:A:PHE:HE2	1:142:A:VAL:HG11	9	0.17
(1,2087)	1:150:A:PHE:HE2	1:142:A:VAL:HG12	9	0.17
(1,2087)	1:150:A:PHE:HE2	1:142:A:VAL:HG13	9	0.17
(1,2013)	1:31:A:THR:HB	1:159:A:VAL:HG11	1	0.17
(1,2013)	1:31:A:THR:HB	1:159:A:VAL:HG12	1	0.17
(1,2013)	1:31:A:THR:HB	1:159:A:VAL:HG13	1	0.17
(1,1995)	1:97:A:LEU:HA	1:100:A:LEU:HD21	2	0.17
(1,1995)	1:97:A:LEU:HA	1:100:A:LEU:HD22	2	0.17
(1,1995)	1:97:A:LEU:HA	1:100:A:LEU:HD23	2	0.17
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG21	6	0.17
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG22	6	0.17
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG23	6	0.17
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG21	9	0.17
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG22	9	0.17
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG23	9	0.17
(1,1922)	1:115:A:ALA:HB1	1:131:A:LEU:HD21	19	0.17
(1,1922)	1:115:A:ALA:HB1	1:131:A:LEU:HD22	19	0.17
(1,1922)	1:115:A:ALA:HB1	1:131:A:LEU:HD23	19	0.17
(1,1922)	1:115:A:ALA:HB2	1:131:A:LEU:HD21	19	0.17
(1,1922)	1:115:A:ALA:HB2	1:131:A:LEU:HD22	19	0.17
(1,1922)	1:115:A:ALA:HB2	1:131:A:LEU:HD23	19	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1922)	1:115:A:ALA:HB3	1:131:A:LEU:HD21	19	0.17
(1,1922)	1:115:A:ALA:HB3	1:131:A:LEU:HD22	19	0.17
(1,1922)	1:115:A:ALA:HB3	1:131:A:LEU:HD23	19	0.17
(1,1795)	1:169:A:ARG:H	1:169:A:ARG:HG3	13	0.17
(1,1793)	1:35:A:PHE:HE1	1:36:A:ARG:HG3	16	0.17
(1,1793)	1:35:A:PHE:HE2	1:36:A:ARG:HG3	16	0.17
(1,1738)	1:77:A:GLN:HE22	1:77:A:GLN:HB3	5	0.17
(1,1713)	1:137:A:ARG:HB3	1:137:A:ARG:HG3	20	0.17
(1,1634)	1:25:A:GLU:H	1:24:A:GLU:HB3	18	0.17
(1,1534)	1:160:A:ASP:H	1:159:A:VAL:HB	12	0.17
(1,1481)	1:45:A:GLN:H	1:45:A:GLN:HG3	18	0.17
(1,1479)	1:34:A:VAL:HG11	1:71:A:MET:HG3	18	0.17
(1,1479)	1:34:A:VAL:HG12	1:71:A:MET:HG3	18	0.17
(1,1479)	1:34:A:VAL:HG13	1:71:A:MET:HG3	18	0.17
(1,1477)	1:28:A:ALA:HB1	1:29:A:GLN:HG3	15	0.17
(1,1477)	1:28:A:ALA:HB2	1:29:A:GLN:HG3	15	0.17
(1,1477)	1:28:A:ALA:HB3	1:29:A:GLN:HG3	15	0.17
(1,1465)	1:101:A:GLN:HE22	1:101:A:GLN:HG3	3	0.17
(1,1465)	1:101:A:GLN:HE22	1:101:A:GLN:HG3	4	0.17
(1,1464)	1:101:A:GLN:HA	1:101:A:GLN:HG3	7	0.17
(1,1428)	1:31:A:THR:HB	1:32:A:GLU:HG3	5	0.17
(1,1346)	1:157:A:PHE:HD1	1:111:A:PHE:HB3	8	0.17
(1,1346)	1:157:A:PHE:HD2	1:111:A:PHE:HB3	8	0.17
(1,1264)	1:20:A:PRO:HA	1:19:A:LEU:HB3	1	0.17
(1,1252)	1:79:A:ALA:HB1	1:42:A:ARG:HD3	20	0.17
(1,1252)	1:79:A:ALA:HB2	1:42:A:ARG:HD3	20	0.17
(1,1252)	1:79:A:ALA:HB3	1:42:A:ARG:HD3	20	0.17
(1,1157)	1:36:A:ARG:HG3	1:36:A:ARG:HD3	3	0.17
(1,1095)	1:110:A:TYR:HE1	1:102:A:PRO:HD3	9	0.17
(1,1095)	1:110:A:TYR:HE2	1:102:A:PRO:HD3	9	0.17
(1,1088)	1:65:A:LEU:H	1:64:A:PRO:HD3	12	0.17
(1,927)	1:141:A:HIS:HB3	1:138:A:LEU:HA	18	0.17
(1,921)	1:98:A:GLN:HE22	1:98:A:GLN:HA	18	0.17
(1,919)	1:21:A:SER:HB3	1:21:A:SER:HA	14	0.17
(1,861)	1:46:A:GLU:HB3	1:43:A:HIS:HA	7	0.17
(1,766)	1:38:A:TYR:H	1:37:A:SER:HB3	20	0.17
(1,735)	1:26:A:GLN:H	1:23:A:SER:HB3	17	0.17
(1,397)	1:20:A:PRO:HB3	1:21:A:SER:H	8	0.17
(1,397)	1:20:A:PRO:HB3	1:21:A:SER:H	18	0.17
(1,379)	1:50:A:GLU:HB3	1:50:A:GLU:H	1	0.17
(1,336)	1:127:A:ARG:HB3	1:124:A:ASN:H	14	0.17
(1,96)	1:29:A:GLN:HB3	1:30:A:ASP:H	20	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,74)	1:63:A:LEU:HD11	1:65:A:LEU:H	18	0.17
(1,74)	1:63:A:LEU:HD12	1:65:A:LEU:H	18	0.17
(1,74)	1:63:A:LEU:HD13	1:65:A:LEU:H	18	0.17
(2,159)	1:158:A:VAL:O	1:162:A:MET:N	5	0.16
(2,157)	1:153:A:GLN:O	1:157:A:PHE:N	10	0.16
(2,154)	1:150:A:PHE:O	1:154:A:VAL:N	5	0.16
(2,152)	1:131:A:LEU:O	1:135:A:GLY:N	10	0.16
(2,152)	1:131:A:LEU:O	1:135:A:GLY:N	18	0.16
(2,151)	1:127:A:ARG:O	1:131:A:LEU:N	5	0.16
(2,150)	1:113:A:LYS:O	1:117:A:SER:N	6	0.16
(2,150)	1:113:A:LYS:O	1:117:A:SER:N	8	0.16
(2,141)	1:82:A:GLY:O	1:86:A:ASN:N	15	0.16
(2,136)	1:37:A:SER:O	1:41:A:TYR:N	10	0.16
(2,87)	1:132:A:LEU:O	1:136:A:TYR:H	16	0.16
(2,53)	1:93:A:PHE:O	1:97:A:LEU:H	13	0.16
(1,3095)	1:117:A:SER:H	2:87:B:ALA:HB1	6	0.16
(1,3095)	1:117:A:SER:H	2:87:B:ALA:HB2	6	0.16
(1,3095)	1:117:A:SER:H	2:87:B:ALA:HB3	6	0.16
(1,3086)	1:129:A:VAL:H	2:97:B:NLE:HD2	6	0.16
(1,3086)	1:129:A:VAL:H	2:97:B:NLE:HD3	6	0.16
(1,3060)	1:100:A:LEU:HD11	2:83:B:ILE:HG13	6	0.16
(1,3060)	1:100:A:LEU:HD12	2:83:B:ILE:HG13	6	0.16
(1,3060)	1:100:A:LEU:HD13	2:83:B:ILE:HG13	6	0.16
(1,3060)	1:100:A:LEU:HD21	2:83:B:ILE:HG13	6	0.16
(1,3060)	1:100:A:LEU:HD22	2:83:B:ILE:HG13	6	0.16
(1,3060)	1:100:A:LEU:HD23	2:83:B:ILE:HG13	6	0.16
(1,2980)	1:81:A:ILE:HG21	2:100:B:SER:HB3	4	0.16
(1,2980)	1:81:A:ILE:HG22	2:100:B:SER:HB3	4	0.16
(1,2980)	1:81:A:ILE:HG23	2:100:B:SER:HB3	4	0.16
(1,2980)	1:81:A:ILE:HG21	2:100:B:SER:HB3	8	0.16
(1,2980)	1:81:A:ILE:HG22	2:100:B:SER:HB3	8	0.16
(1,2980)	1:81:A:ILE:HG23	2:100:B:SER:HB3	8	0.16
(1,2975)	1:81:A:ILE:HG21	2:101:B:ILE:HD11	4	0.16
(1,2975)	1:81:A:ILE:HG21	2:101:B:ILE:HD12	4	0.16
(1,2975)	1:81:A:ILE:HG21	2:101:B:ILE:HD13	4	0.16
(1,2975)	1:81:A:ILE:HG22	2:101:B:ILE:HD11	4	0.16
(1,2975)	1:81:A:ILE:HG22	2:101:B:ILE:HD12	4	0.16
(1,2975)	1:81:A:ILE:HG22	2:101:B:ILE:HD13	4	0.16
(1,2975)	1:81:A:ILE:HG23	2:101:B:ILE:HD11	4	0.16
(1,2975)	1:81:A:ILE:HG23	2:101:B:ILE:HD12	4	0.16
(1,2975)	1:81:A:ILE:HG23	2:101:B:ILE:HD13	4	0.16
(1,2916)	2:90:B:LEU:HB3	2:91:B:ALA:H	5	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2916)	2:90:B:LEU:HB3	2:91:B:ALA:H	8	0.16
(1,2916)	2:90:B:LEU:HB3	2:91:B:ALA:H	12	0.16
(1,2916)	2:90:B:LEU:HB3	2:91:B:ALA:H	20	0.16
(1,2851)	2:88:B:ARG:HB3	2:88:B:ARG:HG3	18	0.16
(1,2822)	2:88:B:ARG:HA	2:88:B:ARG:HD3	5	0.16
(1,2804)	2:84:B:ARG:HB3	2:85:B:ASN:H	4	0.16
(1,2804)	2:84:B:ARG:HB3	2:85:B:ASN:H	16	0.16
(1,2759)	2:82:B:ILE:H	2:82:B:ILE:HB	7	0.16
(1,2758)	2:82:B:ILE:HB	2:83:B:ILE:H	14	0.16
(1,2683)	2:84:B:ARG:HA	2:84:B:ARG:HD3	9	0.16
(1,2636)	2:90:B:LEU:HA	2:93:B:VAL:HB	4	0.16
(1,2556)	1:183:A:LEU:HD21	1:125:A:TRP:HE3	13	0.16
(1,2556)	1:183:A:LEU:HD22	1:125:A:TRP:HE3	13	0.16
(1,2556)	1:183:A:LEU:HD23	1:125:A:TRP:HE3	13	0.16
(1,2494)	1:131:A:LEU:HD21	1:119:A:PHE:HZ	1	0.16
(1,2494)	1:131:A:LEU:HD22	1:119:A:PHE:HZ	1	0.16
(1,2494)	1:131:A:LEU:HD23	1:119:A:PHE:HZ	1	0.16
(1,2398)	1:37:A:SER:HB3	1:40:A:PHE:HD1	15	0.16
(1,2398)	1:37:A:SER:HB3	1:40:A:PHE:HD2	15	0.16
(1,2394)	1:107:A:ALA:HB1	1:150:A:PHE:HD1	19	0.16
(1,2394)	1:107:A:ALA:HB1	1:150:A:PHE:HD2	19	0.16
(1,2394)	1:107:A:ALA:HB2	1:150:A:PHE:HD1	19	0.16
(1,2394)	1:107:A:ALA:HB2	1:150:A:PHE:HD2	19	0.16
(1,2394)	1:107:A:ALA:HB3	1:150:A:PHE:HD1	19	0.16
(1,2394)	1:107:A:ALA:HB3	1:150:A:PHE:HD2	19	0.16
(1,2133)	1:159:A:VAL:HG21	1:28:A:ALA:HB1	11	0.16
(1,2133)	1:159:A:VAL:HG21	1:28:A:ALA:HB2	11	0.16
(1,2133)	1:159:A:VAL:HG21	1:28:A:ALA:HB3	11	0.16
(1,2133)	1:159:A:VAL:HG22	1:28:A:ALA:HB1	11	0.16
(1,2133)	1:159:A:VAL:HG22	1:28:A:ALA:HB2	11	0.16
(1,2133)	1:159:A:VAL:HG22	1:28:A:ALA:HB3	11	0.16
(1,2133)	1:159:A:VAL:HG23	1:28:A:ALA:HB1	11	0.16
(1,2133)	1:159:A:VAL:HG23	1:28:A:ALA:HB2	11	0.16
(1,2133)	1:159:A:VAL:HG23	1:28:A:ALA:HB3	11	0.16
(1,2094)	1:177:A:TRP:HZ3	1:34:A:VAL:HG21	12	0.16
(1,2094)	1:177:A:TRP:HZ3	1:34:A:VAL:HG22	12	0.16
(1,2094)	1:177:A:TRP:HZ3	1:34:A:VAL:HG23	12	0.16
(1,2051)	1:184:A:GLY:H	1:183:A:LEU:HD11	12	0.16
(1,2051)	1:184:A:GLY:H	1:183:A:LEU:HD12	12	0.16
(1,2051)	1:184:A:GLY:H	1:183:A:LEU:HD13	12	0.16
(1,1899)	2:101:B:ILE:HD11	1:183:A:LEU:HD21	8	0.16
(1,1899)	2:101:B:ILE:HD11	1:183:A:LEU:HD22	8	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1899)	2:101:B:ILE:HD11	1:183:A:LEU:HD23	8	0.16
(1,1899)	2:101:B:ILE:HD12	1:183:A:LEU:HD21	8	0.16
(1,1899)	2:101:B:ILE:HD12	1:183:A:LEU:HD22	8	0.16
(1,1899)	2:101:B:ILE:HD12	1:183:A:LEU:HD23	8	0.16
(1,1899)	2:101:B:ILE:HD13	1:183:A:LEU:HD21	8	0.16
(1,1899)	2:101:B:ILE:HD13	1:183:A:LEU:HD22	8	0.16
(1,1899)	2:101:B:ILE:HD13	1:183:A:LEU:HD23	8	0.16
(1,1890)	1:81:A:ILE:HD11	1:129:A:VAL:HG11	11	0.16
(1,1890)	1:81:A:ILE:HD11	1:129:A:VAL:HG12	11	0.16
(1,1890)	1:81:A:ILE:HD11	1:129:A:VAL:HG13	11	0.16
(1,1890)	1:81:A:ILE:HD12	1:129:A:VAL:HG11	11	0.16
(1,1890)	1:81:A:ILE:HD12	1:129:A:VAL:HG12	11	0.16
(1,1890)	1:81:A:ILE:HD12	1:129:A:VAL:HG13	11	0.16
(1,1890)	1:81:A:ILE:HD13	1:129:A:VAL:HG11	11	0.16
(1,1890)	1:81:A:ILE:HD13	1:129:A:VAL:HG12	11	0.16
(1,1890)	1:81:A:ILE:HD13	1:129:A:VAL:HG13	11	0.16
(1,1534)	1:160:A:ASP:H	1:159:A:VAL:HB	20	0.16
(1,1521)	1:81:A:ILE:HG21	1:77:A:GLN:HG3	1	0.16
(1,1521)	1:81:A:ILE:HG22	1:77:A:GLN:HG3	1	0.16
(1,1521)	1:81:A:ILE:HG23	1:77:A:GLN:HG3	1	0.16
(1,1464)	1:101:A:GLN:HA	1:101:A:GLN:HG3	20	0.16
(1,1428)	1:31:A:THR:HB	1:32:A:GLU:HG3	11	0.16
(1,1428)	1:31:A:THR:HB	1:32:A:GLU:HG3	19	0.16
(1,1419)	1:116:A:THR:HA	1:120:A:GLU:HG3	14	0.16
(1,1298)	1:85:A:ILE:HA	1:84:A:ASP:HB3	1	0.16
(1,1298)	1:85:A:ILE:HA	1:84:A:ASP:HB3	10	0.16
(1,1264)	1:20:A:PRO:HA	1:19:A:LEU:HB3	2	0.16
(1,1264)	1:20:A:PRO:HA	1:19:A:LEU:HB3	13	0.16
(1,1249)	1:86:A:ASN:HD22	1:42:A:ARG:HD3	14	0.16
(1,1159)	1:36:A:ARG:HA	1:36:A:ARG:HD3	20	0.16
(1,1157)	1:36:A:ARG:HG3	1:36:A:ARG:HD3	1	0.16
(1,1157)	1:36:A:ARG:HG3	1:36:A:ARG:HD3	20	0.16
(1,1088)	1:65:A:LEU:H	1:64:A:PRO:HD3	17	0.16
(1,1062)	1:23:A:SER:HB3	1:22:A:ALA:HA	14	0.16
(1,1032)	1:131:A:LEU:HD21	1:115:A:ALA:HA	2	0.16
(1,1032)	1:131:A:LEU:HD22	1:115:A:ALA:HA	2	0.16
(1,1032)	1:131:A:LEU:HD23	1:115:A:ALA:HA	2	0.16
(1,1032)	1:131:A:LEU:HD21	1:115:A:ALA:HA	10	0.16
(1,1032)	1:131:A:LEU:HD22	1:115:A:ALA:HA	10	0.16
(1,1032)	1:131:A:LEU:HD23	1:115:A:ALA:HA	10	0.16
(1,1032)	1:131:A:LEU:HD21	1:115:A:ALA:HA	17	0.16
(1,1032)	1:131:A:LEU:HD22	1:115:A:ALA:HA	17	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1032)	1:131:A:LEU:HD23	1:115:A:ALA:HA	17	0.16
(1,903)	1:87:A:ARG:HD3	1:87:A:ARG:HA	1	0.16
(1,674)	1:74:A:VAL:HG21	1:34:A:VAL:HA	17	0.16
(1,674)	1:74:A:VAL:HG22	1:34:A:VAL:HA	17	0.16
(1,674)	1:74:A:VAL:HG23	1:34:A:VAL:HA	17	0.16
(1,538)	1:22:A:ALA:HA	1:26:A:GLN:HE22	3	0.16
(1,531)	1:23:A:SER:H	1:26:A:GLN:HE22	2	0.16
(1,531)	1:23:A:SER:H	1:26:A:GLN:HE22	19	0.16
(1,490)	1:164:A:HIS:HB3	1:164:A:HIS:H	12	0.16
(1,442)	1:181:A:LEU:HD11	1:182:A:ASN:H	2	0.16
(1,442)	1:181:A:LEU:HD12	1:182:A:ASN:H	2	0.16
(1,442)	1:181:A:LEU:HD13	1:182:A:ASN:H	2	0.16
(1,397)	1:20:A:PRO:HB3	1:21:A:SER:H	9	0.16
(1,318)	1:27:A:VAL:HG11	1:177:A:TRP:H	2	0.16
(1,318)	1:27:A:VAL:HG12	1:177:A:TRP:H	2	0.16
(1,318)	1:27:A:VAL:HG13	1:177:A:TRP:H	2	0.16
(1,283)	1:42:A:ARG:HB3	1:41:A:TYR:H	13	0.16
(1,283)	1:42:A:ARG:HB3	1:41:A:TYR:H	15	0.16
(1,234)	1:163:A:LEU:HB3	1:163:A:LEU:H	8	0.16
(1,234)	1:163:A:LEU:HB3	1:163:A:LEU:H	11	0.16
(1,154)	1:32:A:GLU:HG3	1:32:A:GLU:H	8	0.16
(1,154)	1:32:A:GLU:HG3	1:32:A:GLU:H	17	0.16
(1,78)	1:64:A:PRO:HB3	1:65:A:LEU:H	18	0.16
(2,162)	1:169:A:ARG:O	1:173:A:GLN:N	6	0.15
(2,159)	1:158:A:VAL:O	1:162:A:MET:N	10	0.15
(2,158)	1:156:A:ARG:O	1:160:A:ASP:N	13	0.15
(2,152)	1:131:A:LEU:O	1:135:A:GLY:N	2	0.15
(2,150)	1:113:A:LYS:O	1:117:A:SER:N	1	0.15
(2,146)	1:107:A:ALA:O	1:111:A:PHE:N	8	0.15
(2,137)	1:38:A:TYR:O	1:42:A:ARG:N	10	0.15
(2,130)	1:30:A:ASP:O	1:34:A:VAL:N	14	0.15
(2,109)	1:155:A:THR:O	1:159:A:VAL:H	6	0.15
(2,97)	1:139:A:ALA:O	1:143:A:TYR:H	7	0.15
(2,91)	1:135:A:GLY:O	1:139:A:ALA:H	19	0.15
(2,88)	1:132:A:LEU:O	1:136:A:TYR:N	3	0.15
(2,88)	1:132:A:LEU:O	1:136:A:TYR:N	8	0.15
(2,87)	1:132:A:LEU:O	1:136:A:TYR:H	7	0.15
(2,87)	1:132:A:LEU:O	1:136:A:TYR:H	18	0.15
(2,87)	1:132:A:LEU:O	1:136:A:TYR:H	20	0.15
(2,77)	1:126:A:GLY:O	1:130:A:ALA:H	10	0.15
(2,75)	1:124:A:ASN:O	1:128:A:VAL:H	17	0.15
(2,47)	1:83:A:ASP:O	1:87:A:ARG:N	19	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,11)	1:29:A:GLN:O	1:33:A:GLU:H	2	0.15
(2,11)	1:29:A:GLN:O	1:33:A:GLU:H	16	0.15
(2,11)	1:29:A:GLN:O	1:33:A:GLU:H	20	0.15
(2,9)	1:28:A:ALA:O	1:32:A:GLU:H	10	0.15
(2,5)	1:26:A:GLN:O	1:30:A:ASP:H	4	0.15
(1,3095)	1:117:A:SER:H	2:87:B:ALA:HB1	16	0.15
(1,3095)	1:117:A:SER:H	2:87:B:ALA:HB2	16	0.15
(1,3095)	1:117:A:SER:H	2:87:B:ALA:HB3	16	0.15
(1,3095)	1:117:A:SER:H	2:87:B:ALA:HB1	20	0.15
(1,3095)	1:117:A:SER:H	2:87:B:ALA:HB2	20	0.15
(1,3095)	1:117:A:SER:H	2:87:B:ALA:HB3	20	0.15
(1,3075)	1:183:A:LEU:HD11	2:101:B:ILE:HG13	6	0.15
(1,3075)	1:183:A:LEU:HD12	2:101:B:ILE:HG13	6	0.15
(1,3075)	1:183:A:LEU:HD13	2:101:B:ILE:HG13	6	0.15
(1,3075)	1:183:A:LEU:HD21	2:101:B:ILE:HG13	6	0.15
(1,3075)	1:183:A:LEU:HD22	2:101:B:ILE:HG13	6	0.15
(1,3075)	1:183:A:LEU:HD23	2:101:B:ILE:HG13	6	0.15
(1,2998)	1:81:A:ILE:HD11	2:101:B:ILE:HB	8	0.15
(1,2998)	1:81:A:ILE:HD12	2:101:B:ILE:HB	8	0.15
(1,2998)	1:81:A:ILE:HD13	2:101:B:ILE:HB	8	0.15
(1,2966)	1:113:A:LYS:HB3	2:86:B:ILE:HG21	5	0.15
(1,2966)	1:113:A:LYS:HB3	2:86:B:ILE:HG22	5	0.15
(1,2966)	1:113:A:LYS:HB3	2:86:B:ILE:HG23	5	0.15
(1,2895)	2:85:B:ASN:H	2:85:B:ASN:HB3	5	0.15
(1,2858)	2:80:B:GLU:HA	2:83:B:ILE:HB	7	0.15
(1,2803)	2:84:B:ARG:HB3	2:84:B:ARG:HD3	17	0.15
(1,2795)	2:88:B:ARG:HA	2:91:B:ALA:H	15	0.15
(1,2772)	2:83:B:ILE:HB	2:84:B:ARG:H	11	0.15
(1,2710)	2:85:B:ASN:HA	2:88:B:ARG:HD3	10	0.15
(1,2636)	2:90:B:LEU:HA	2:93:B:VAL:HB	13	0.15
(1,2483)	1:147:A:LEU:HD21	1:150:A:PHE:HZ	11	0.15
(1,2483)	1:147:A:LEU:HD22	1:150:A:PHE:HZ	11	0.15
(1,2483)	1:147:A:LEU:HD23	1:150:A:PHE:HZ	11	0.15
(1,2466)	1:109:A:GLU:HG3	1:110:A:TYR:HD1	7	0.15
(1,2466)	1:109:A:GLU:HG3	1:110:A:TYR:HD2	7	0.15
(1,2417)	1:136:A:TYR:HB3	1:35:A:PHE:HE1	14	0.15
(1,2417)	1:136:A:TYR:HB3	1:35:A:PHE:HE2	14	0.15
(1,2346)	1:42:A:ARG:HD3	1:43:A:HIS:HE1	18	0.15
(1,2300)	1:76:A:ARG:HD3	1:80:A:ILE:HD11	16	0.15
(1,2300)	1:76:A:ARG:HD3	1:80:A:ILE:HD12	16	0.15
(1,2300)	1:76:A:ARG:HD3	1:80:A:ILE:HD13	16	0.15
(1,2201)	1:97:A:LEU:HA	1:96:A:MET:HE1	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2201)	1:97:A:LEU:HA	1:96:A:MET:HE2	1	0.15
(1,2201)	1:97:A:LEU:HA	1:96:A:MET:HE3	1	0.15
(1,2201)	1:97:A:LEU:HA	1:96:A:MET:HE1	19	0.15
(1,2201)	1:97:A:LEU:HA	1:96:A:MET:HE2	19	0.15
(1,2201)	1:97:A:LEU:HA	1:96:A:MET:HE3	19	0.15
(1,2133)	1:159:A:VAL:HG21	1:28:A:ALA:HB1	19	0.15
(1,2133)	1:159:A:VAL:HG21	1:28:A:ALA:HB2	19	0.15
(1,2133)	1:159:A:VAL:HG21	1:28:A:ALA:HB3	19	0.15
(1,2133)	1:159:A:VAL:HG22	1:28:A:ALA:HB1	19	0.15
(1,2133)	1:159:A:VAL:HG22	1:28:A:ALA:HB2	19	0.15
(1,2133)	1:159:A:VAL:HG22	1:28:A:ALA:HB3	19	0.15
(1,2133)	1:159:A:VAL:HG23	1:28:A:ALA:HB1	19	0.15
(1,2133)	1:159:A:VAL:HG23	1:28:A:ALA:HB2	19	0.15
(1,2133)	1:159:A:VAL:HG23	1:28:A:ALA:HB3	19	0.15
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG21	14	0.15
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG22	14	0.15
(1,2095)	1:75:A:GLY:HA2	1:34:A:VAL:HG23	14	0.15
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG21	5	0.15
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG22	5	0.15
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG23	5	0.15
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG21	19	0.15
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG22	19	0.15
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG23	19	0.15
(1,1952)	1:35:A:PHE:HB3	1:31:A:THR:HG21	19	0.15
(1,1952)	1:35:A:PHE:HB3	1:31:A:THR:HG22	19	0.15
(1,1952)	1:35:A:PHE:HB3	1:31:A:THR:HG23	19	0.15
(1,1923)	1:147:A:LEU:HA	1:147:A:LEU:HD11	7	0.15
(1,1923)	1:147:A:LEU:HA	1:147:A:LEU:HD12	7	0.15
(1,1923)	1:147:A:LEU:HA	1:147:A:LEU:HD13	7	0.15
(1,1877)	1:101:A:GLN:H	1:100:A:LEU:HD11	11	0.15
(1,1877)	1:101:A:GLN:H	1:100:A:LEU:HD12	11	0.15
(1,1877)	1:101:A:GLN:H	1:100:A:LEU:HD13	11	0.15
(1,1845)	1:178:A:VAL:HA	1:181:A:LEU:HD11	14	0.15
(1,1845)	1:178:A:VAL:HA	1:181:A:LEU:HD12	14	0.15
(1,1845)	1:178:A:VAL:HA	1:181:A:LEU:HD13	14	0.15
(1,1842)	1:165:A:HIS:HA	1:166:A:CYS:HB3	12	0.15
(1,1796)	1:169:A:ARG:HA	1:169:A:ARG:HG3	8	0.15
(1,1707)	1:94:A:GLN:HE22	1:94:A:GLN:HB3	14	0.15
(1,1689)	1:109:A:GLU:HG3	1:109:A:GLU:HB3	1	0.15
(1,1689)	1:109:A:GLU:HG3	1:109:A:GLU:HB3	8	0.15
(1,1689)	1:109:A:GLU:HG3	1:109:A:GLU:HB3	13	0.15
(1,1689)	1:109:A:GLU:HG3	1:109:A:GLU:HB3	14	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1675)	1:84:A:ASP:HB3	1:85:A:ILE:HG13	2	0.15
(1,1494)	1:44:A:GLN:HB3	1:44:A:GLN:HG3	4	0.15
(1,1494)	1:44:A:GLN:HB3	1:44:A:GLN:HG3	5	0.15
(1,1494)	1:44:A:GLN:HB3	1:44:A:GLN:HG3	7	0.15
(1,1494)	1:44:A:GLN:HB3	1:44:A:GLN:HG3	11	0.15
(1,1494)	1:44:A:GLN:HB3	1:44:A:GLN:HG3	12	0.15
(1,1494)	1:44:A:GLN:HB3	1:44:A:GLN:HG3	18	0.15
(1,1428)	1:31:A:THR:HB	1:32:A:GLU:HG3	13	0.15
(1,1320)	1:85:A:ILE:HG21	1:89:A:TYR:HB3	5	0.15
(1,1320)	1:85:A:ILE:HG22	1:89:A:TYR:HB3	5	0.15
(1,1320)	1:85:A:ILE:HG23	1:89:A:TYR:HB3	5	0.15
(1,1249)	1:86:A:ASN:HD22	1:42:A:ARG:HD3	20	0.15
(1,1212)	1:113:A:LYS:HA	1:113:A:LYS:HE3	9	0.15
(1,1157)	1:36:A:ARG:HG3	1:36:A:ARG:HD3	5	0.15
(1,1156)	1:156:A:ARG:H	1:156:A:ARG:HD3	9	0.15
(1,1117)	1:139:A:ALA:H	1:135:A:GLY:HA3	12	0.15
(1,1111)	2:97:B:NLE:HB2	1:126:A:GLY:HA3	6	0.15
(1,1111)	2:97:B:NLE:HB3	1:126:A:GLY:HA3	6	0.15
(1,1111)	2:97:B:NLE:HB2	1:126:A:GLY:HA3	14	0.15
(1,1111)	2:97:B:NLE:HB3	1:126:A:GLY:HA3	14	0.15
(1,1084)	1:19:A:LEU:H	1:20:A:PRO:HD3	3	0.15
(1,1084)	1:19:A:LEU:H	1:20:A:PRO:HD3	4	0.15
(1,1084)	1:19:A:LEU:H	1:20:A:PRO:HD3	5	0.15
(1,1084)	1:19:A:LEU:H	1:20:A:PRO:HD3	6	0.15
(1,1084)	1:19:A:LEU:H	1:20:A:PRO:HD3	8	0.15
(1,1084)	1:19:A:LEU:H	1:20:A:PRO:HD3	9	0.15
(1,1084)	1:19:A:LEU:H	1:20:A:PRO:HD3	12	0.15
(1,1084)	1:19:A:LEU:H	1:20:A:PRO:HD3	14	0.15
(1,1084)	1:19:A:LEU:H	1:20:A:PRO:HD3	15	0.15
(1,1084)	1:19:A:LEU:H	1:20:A:PRO:HD3	16	0.15
(1,1084)	1:19:A:LEU:H	1:20:A:PRO:HD3	17	0.15
(1,1084)	1:19:A:LEU:H	1:20:A:PRO:HD3	19	0.15
(1,1084)	1:19:A:LEU:H	1:20:A:PRO:HD3	20	0.15
(1,1037)	1:65:A:LEU:HD11	1:65:A:LEU:HA	8	0.15
(1,1037)	1:65:A:LEU:HD12	1:65:A:LEU:HA	8	0.15
(1,1037)	1:65:A:LEU:HD13	1:65:A:LEU:HA	8	0.15
(1,1037)	1:65:A:LEU:HD21	1:65:A:LEU:HA	8	0.15
(1,1037)	1:65:A:LEU:HD22	1:65:A:LEU:HA	8	0.15
(1,1037)	1:65:A:LEU:HD23	1:65:A:LEU:HA	8	0.15
(1,1001)	1:73:A:GLN:HG3	1:181:A:LEU:HA	1	0.15
(1,1001)	1:73:A:GLN:HG3	1:181:A:LEU:HA	7	0.15
(1,1001)	1:73:A:GLN:HG3	1:181:A:LEU:HA	16	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,929)	1:150:A:PHE:H	1:151:A:LEU:HA	12	0.15
(1,766)	1:38:A:TYR:H	1:37:A:SER:HB3	6	0.15
(1,766)	1:38:A:TYR:H	1:37:A:SER:HB3	19	0.15
(1,735)	1:26:A:GLN:H	1:23:A:SER:HB3	5	0.15
(1,735)	1:26:A:GLN:H	1:23:A:SER:HB3	14	0.15
(1,733)	1:26:A:GLN:HG3	1:23:A:SER:HB3	20	0.15
(1,543)	1:181:A:LEU:HD11	1:73:A:GLN:HE21	8	0.15
(1,543)	1:181:A:LEU:HD12	1:73:A:GLN:HE21	8	0.15
(1,543)	1:181:A:LEU:HD13	1:73:A:GLN:HE21	8	0.15
(1,510)	1:87:A:ARG:H	1:86:A:ASN:HD21	1	0.15
(1,509)	1:77:A:GLN:HB3	1:77:A:GLN:HE21	15	0.15
(1,453)	1:26:A:GLN:HB3	1:23:A:SER:H	14	0.15
(1,442)	1:181:A:LEU:HD11	1:182:A:ASN:H	6	0.15
(1,442)	1:181:A:LEU:HD12	1:182:A:ASN:H	6	0.15
(1,442)	1:181:A:LEU:HD13	1:182:A:ASN:H	6	0.15
(1,154)	1:32:A:GLU:HG3	1:32:A:GLU:H	3	0.15
(1,154)	1:32:A:GLU:HG3	1:32:A:GLU:H	5	0.15
(1,127)	1:99:A:HIS:HB3	1:100:A:LEU:H	18	0.15
(1,106)	1:162:A:MET:HG3	1:168:A:ALA:H	14	0.15
(1,96)	1:29:A:GLN:HB3	1:30:A:ASP:H	2	0.15
(1,78)	1:64:A:PRO:HB3	1:65:A:LEU:H	11	0.15
(2,162)	1:169:A:ARG:O	1:173:A:GLN:N	13	0.14
(2,158)	1:156:A:ARG:O	1:160:A:ASP:N	7	0.14
(2,156)	1:152:A:GLY:O	1:156:A:ARG:N	10	0.14
(2,154)	1:150:A:PHE:O	1:154:A:VAL:N	19	0.14
(2,153)	1:134:A:PHE:O	1:138:A:LEU:N	8	0.14
(2,145)	1:106:A:ASN:O	1:110:A:TYR:N	13	0.14
(2,144)	1:94:A:GLN:O	1:98:A:GLN:N	17	0.14
(2,139)	1:40:A:PHE:O	1:44:A:GLN:N	14	0.14
(2,138)	1:39:A:VAL:O	1:43:A:HIS:N	20	0.14
(2,119)	1:167:A:ILE:O	1:171:A:ILE:H	10	0.14
(2,107)	1:154:A:VAL:O	1:158:A:VAL:H	20	0.14
(2,91)	1:135:A:GLY:O	1:139:A:ALA:H	3	0.14
(2,88)	1:132:A:LEU:O	1:136:A:TYR:N	9	0.14
(2,88)	1:132:A:LEU:O	1:136:A:TYR:N	17	0.14
(2,87)	1:132:A:LEU:O	1:136:A:TYR:H	1	0.14
(2,87)	1:132:A:LEU:O	1:136:A:TYR:H	6	0.14
(2,87)	1:132:A:LEU:O	1:136:A:TYR:H	10	0.14
(2,87)	1:132:A:LEU:O	1:136:A:TYR:H	15	0.14
(2,63)	1:110:A:TYR:O	1:114:A:ILE:H	9	0.14
(2,63)	1:110:A:TYR:O	1:114:A:ILE:H	10	0.14
(2,63)	1:110:A:TYR:O	1:114:A:ILE:H	15	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,50)	1:85:A:ILE:O	1:89:A:TYR:H	5	0.14
(2,17)	1:32:A:GLU:O	1:36:A:ARG:H	18	0.14
(2,11)	1:29:A:GLN:O	1:33:A:GLU:H	4	0.14
(1,3095)	1:117:A:SER:H	2:87:B:ALA:HB1	3	0.14
(1,3095)	1:117:A:SER:H	2:87:B:ALA:HB2	3	0.14
(1,3095)	1:117:A:SER:H	2:87:B:ALA:HB3	3	0.14
(1,3095)	1:117:A:SER:H	2:87:B:ALA:HB1	10	0.14
(1,3095)	1:117:A:SER:H	2:87:B:ALA:HB2	10	0.14
(1,3095)	1:117:A:SER:H	2:87:B:ALA:HB3	10	0.14
(1,3095)	1:117:A:SER:H	2:87:B:ALA:HB1	19	0.14
(1,3095)	1:117:A:SER:H	2:87:B:ALA:HB2	19	0.14
(1,3095)	1:117:A:SER:H	2:87:B:ALA:HB3	19	0.14
(1,3086)	1:129:A:VAL:H	2:97:B:NLE:HD2	8	0.14
(1,3086)	1:129:A:VAL:H	2:97:B:NLE:HD3	8	0.14
(1,3069)	1:118:A:LEU:HD11	2:91:B:ALA:HA	10	0.14
(1,3069)	1:118:A:LEU:HD12	2:91:B:ALA:HA	10	0.14
(1,3069)	1:118:A:LEU:HD13	2:91:B:ALA:HA	10	0.14
(1,3069)	1:118:A:LEU:HD21	2:91:B:ALA:HA	10	0.14
(1,3069)	1:118:A:LEU:HD22	2:91:B:ALA:HA	10	0.14
(1,3069)	1:118:A:LEU:HD23	2:91:B:ALA:HA	10	0.14
(1,3065)	1:114:A:ILE:HD11	2:86:B:ILE:HG13	13	0.14
(1,3065)	1:114:A:ILE:HD12	2:86:B:ILE:HG13	13	0.14
(1,3065)	1:114:A:ILE:HD13	2:86:B:ILE:HG13	13	0.14
(1,3065)	1:114:A:ILE:HD11	2:86:B:ILE:HG13	14	0.14
(1,3065)	1:114:A:ILE:HD12	2:86:B:ILE:HG13	14	0.14
(1,3065)	1:114:A:ILE:HD13	2:86:B:ILE:HG13	14	0.14
(1,3049)	1:97:A:LEU:HD11	2:86:B:ILE:HG21	18	0.14
(1,3049)	1:97:A:LEU:HD11	2:86:B:ILE:HG22	18	0.14
(1,3049)	1:97:A:LEU:HD11	2:86:B:ILE:HG23	18	0.14
(1,3049)	1:97:A:LEU:HD12	2:86:B:ILE:HG21	18	0.14
(1,3049)	1:97:A:LEU:HD12	2:86:B:ILE:HG22	18	0.14
(1,3049)	1:97:A:LEU:HD12	2:86:B:ILE:HG23	18	0.14
(1,3049)	1:97:A:LEU:HD13	2:86:B:ILE:HG21	18	0.14
(1,3049)	1:97:A:LEU:HD13	2:86:B:ILE:HG22	18	0.14
(1,3049)	1:97:A:LEU:HD13	2:86:B:ILE:HG23	18	0.14
(1,3049)	1:97:A:LEU:HD21	2:86:B:ILE:HG21	18	0.14
(1,3049)	1:97:A:LEU:HD21	2:86:B:ILE:HG22	18	0.14
(1,3049)	1:97:A:LEU:HD21	2:86:B:ILE:HG23	18	0.14
(1,3049)	1:97:A:LEU:HD22	2:86:B:ILE:HG21	18	0.14
(1,3049)	1:97:A:LEU:HD22	2:86:B:ILE:HG22	18	0.14
(1,3049)	1:97:A:LEU:HD22	2:86:B:ILE:HG23	18	0.14
(1,3049)	1:97:A:LEU:HD23	2:86:B:ILE:HG21	18	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3049)	1:97:A:LEU:HD23	2:86:B:ILE:HG22	18	0.14
(1,3049)	1:97:A:LEU:HD23	2:86:B:ILE:HG23	18	0.14
(1,2979)	1:81:A:ILE:HG21	2:101:B:ILE:HG13	5	0.14
(1,2979)	1:81:A:ILE:HG22	2:101:B:ILE:HG13	5	0.14
(1,2979)	1:81:A:ILE:HG23	2:101:B:ILE:HG13	5	0.14
(1,2975)	1:81:A:ILE:HG21	2:101:B:ILE:HD11	3	0.14
(1,2975)	1:81:A:ILE:HG21	2:101:B:ILE:HD12	3	0.14
(1,2975)	1:81:A:ILE:HG21	2:101:B:ILE:HD13	3	0.14
(1,2975)	1:81:A:ILE:HG22	2:101:B:ILE:HD11	3	0.14
(1,2975)	1:81:A:ILE:HG22	2:101:B:ILE:HD12	3	0.14
(1,2975)	1:81:A:ILE:HG22	2:101:B:ILE:HD13	3	0.14
(1,2975)	1:81:A:ILE:HG23	2:101:B:ILE:HD11	3	0.14
(1,2975)	1:81:A:ILE:HG23	2:101:B:ILE:HD12	3	0.14
(1,2975)	1:81:A:ILE:HG23	2:101:B:ILE:HD13	3	0.14
(1,2952)	1:85:A:ILE:HD11	2:97:B:NLE:HE1	1	0.14
(1,2952)	1:85:A:ILE:HD12	2:97:B:NLE:HE1	1	0.14
(1,2952)	1:85:A:ILE:HD13	2:97:B:NLE:HE1	1	0.14
(1,2936)	2:99:B:ARG:HB3	2:99:B:ARG:HD3	13	0.14
(1,2916)	2:90:B:LEU:HB3	2:91:B:ALA:H	10	0.14
(1,2916)	2:90:B:LEU:HB3	2:91:B:ALA:H	11	0.14
(1,2916)	2:90:B:LEU:HB3	2:91:B:ALA:H	15	0.14
(1,2914)	2:90:B:LEU:HA	2:90:B:LEU:HD11	9	0.14
(1,2914)	2:90:B:LEU:HA	2:90:B:LEU:HD12	9	0.14
(1,2914)	2:90:B:LEU:HA	2:90:B:LEU:HD13	9	0.14
(1,2914)	2:90:B:LEU:HA	2:90:B:LEU:HD21	9	0.14
(1,2914)	2:90:B:LEU:HA	2:90:B:LEU:HD22	9	0.14
(1,2914)	2:90:B:LEU:HA	2:90:B:LEU:HD23	9	0.14
(1,2895)	2:85:B:ASN:H	2:85:B:ASN:HB3	10	0.14
(1,2895)	2:85:B:ASN:H	2:85:B:ASN:HB3	11	0.14
(1,2822)	2:88:B:ARG:HA	2:88:B:ARG:HD3	9	0.14
(1,2812)	2:97:B:NLE:HB2	2:101:B:ILE:HG21	9	0.14
(1,2812)	2:97:B:NLE:HB2	2:101:B:ILE:HG22	9	0.14
(1,2812)	2:97:B:NLE:HB2	2:101:B:ILE:HG23	9	0.14
(1,2812)	2:97:B:NLE:HB3	2:101:B:ILE:HG21	9	0.14
(1,2812)	2:97:B:NLE:HB3	2:101:B:ILE:HG22	9	0.14
(1,2812)	2:97:B:NLE:HB3	2:101:B:ILE:HG23	9	0.14
(1,2804)	2:84:B:ARG:HB3	2:85:B:ASN:H	7	0.14
(1,2795)	2:88:B:ARG:HA	2:91:B:ALA:H	17	0.14
(1,2772)	2:83:B:ILE:HB	2:84:B:ARG:H	3	0.14
(1,2758)	2:82:B:ILE:HB	2:83:B:ILE:H	2	0.14
(1,2758)	2:82:B:ILE:HB	2:83:B:ILE:H	10	0.14
(1,2690)	2:92:B:MK8:HE	2:96:B:MK8:HD	9	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2690)	2:92:B:MK8:HE	2:96:B:MK8:HDA	9	0.14
(1,2690)	2:92:B:MK8:HE	2:96:B:MK8:HD	10	0.14
(1,2690)	2:92:B:MK8:HE	2:96:B:MK8:HDA	10	0.14
(1,2690)	2:92:B:MK8:HE	2:96:B:MK8:HD	17	0.14
(1,2690)	2:92:B:MK8:HE	2:96:B:MK8:HDA	17	0.14
(1,2494)	1:131:A:LEU:HD21	1:119:A:PHE:HZ	8	0.14
(1,2494)	1:131:A:LEU:HD22	1:119:A:PHE:HZ	8	0.14
(1,2494)	1:131:A:LEU:HD23	1:119:A:PHE:HZ	8	0.14
(1,2447)	1:131:A:LEU:HB3	1:119:A:PHE:HE1	8	0.14
(1,2447)	1:131:A:LEU:HB3	1:119:A:PHE:HE2	8	0.14
(1,2447)	1:131:A:LEU:HB3	1:119:A:PHE:HE1	16	0.14
(1,2447)	1:131:A:LEU:HB3	1:119:A:PHE:HE2	16	0.14
(1,2436)	1:154:A:VAL:HA	1:157:A:PHE:HE1	3	0.14
(1,2436)	1:154:A:VAL:HA	1:157:A:PHE:HE2	3	0.14
(1,2398)	1:37:A:SER:HB3	1:40:A:PHE:HD1	7	0.14
(1,2398)	1:37:A:SER:HB3	1:40:A:PHE:HD2	7	0.14
(1,2398)	1:37:A:SER:HB3	1:40:A:PHE:HD1	11	0.14
(1,2398)	1:37:A:SER:HB3	1:40:A:PHE:HD2	11	0.14
(1,2346)	1:42:A:ARG:HD3	1:43:A:HIS:HE1	8	0.14
(1,2346)	1:42:A:ARG:HD3	1:43:A:HIS:HE1	14	0.14
(1,2341)	1:98:A:GLN:HG3	1:141:A:HIS:HE1	19	0.14
(1,2310)	1:27:A:VAL:HG21	1:171:A:ILE:HD11	1	0.14
(1,2310)	1:27:A:VAL:HG21	1:171:A:ILE:HD12	1	0.14
(1,2310)	1:27:A:VAL:HG21	1:171:A:ILE:HD13	1	0.14
(1,2310)	1:27:A:VAL:HG22	1:171:A:ILE:HD11	1	0.14
(1,2310)	1:27:A:VAL:HG22	1:171:A:ILE:HD12	1	0.14
(1,2310)	1:27:A:VAL:HG22	1:171:A:ILE:HD13	1	0.14
(1,2310)	1:27:A:VAL:HG23	1:171:A:ILE:HD11	1	0.14
(1,2310)	1:27:A:VAL:HG23	1:171:A:ILE:HD12	1	0.14
(1,2310)	1:27:A:VAL:HG23	1:171:A:ILE:HD13	1	0.14
(1,2300)	1:76:A:ARG:HD3	1:80:A:ILE:HD11	8	0.14
(1,2300)	1:76:A:ARG:HD3	1:80:A:ILE:HD12	8	0.14
(1,2300)	1:76:A:ARG:HD3	1:80:A:ILE:HD13	8	0.14
(1,2300)	1:76:A:ARG:HD3	1:80:A:ILE:HD11	18	0.14
(1,2300)	1:76:A:ARG:HD3	1:80:A:ILE:HD12	18	0.14
(1,2300)	1:76:A:ARG:HD3	1:80:A:ILE:HD13	18	0.14
(1,2271)	1:162:A:MET:HE1	1:171:A:ILE:HG21	10	0.14
(1,2271)	1:162:A:MET:HE1	1:171:A:ILE:HG22	10	0.14
(1,2271)	1:162:A:MET:HE1	1:171:A:ILE:HG23	10	0.14
(1,2271)	1:162:A:MET:HE2	1:171:A:ILE:HG21	10	0.14
(1,2271)	1:162:A:MET:HE2	1:171:A:ILE:HG22	10	0.14
(1,2271)	1:162:A:MET:HE2	1:171:A:ILE:HG23	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2271)	1:162:A:MET:HE3	1:171:A:ILE:HG21	10	0.14
(1,2271)	1:162:A:MET:HE3	1:171:A:ILE:HG22	10	0.14
(1,2271)	1:162:A:MET:HE3	1:171:A:ILE:HG23	10	0.14
(1,2225)	1:78:A:LEU:H	1:81:A:ILE:HG21	4	0.14
(1,2225)	1:78:A:LEU:H	1:81:A:ILE:HG22	4	0.14
(1,2225)	1:78:A:LEU:H	1:81:A:ILE:HG23	4	0.14
(1,2108)	1:150:A:PHE:HB3	1:142:A:VAL:HG11	20	0.14
(1,2108)	1:150:A:PHE:HB3	1:142:A:VAL:HG12	20	0.14
(1,2108)	1:150:A:PHE:HB3	1:142:A:VAL:HG13	20	0.14
(1,2094)	1:177:A:TRP:HZ3	1:34:A:VAL:HG21	4	0.14
(1,2094)	1:177:A:TRP:HZ3	1:34:A:VAL:HG22	4	0.14
(1,2094)	1:177:A:TRP:HZ3	1:34:A:VAL:HG23	4	0.14
(1,2094)	1:177:A:TRP:HZ3	1:34:A:VAL:HG21	16	0.14
(1,2094)	1:177:A:TRP:HZ3	1:34:A:VAL:HG22	16	0.14
(1,2094)	1:177:A:TRP:HZ3	1:34:A:VAL:HG23	16	0.14
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG21	4	0.14
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG22	4	0.14
(1,2044)	1:177:A:TRP:HE1	1:27:A:VAL:HG23	4	0.14
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG21	1	0.14
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG22	1	0.14
(1,1962)	1:75:A:GLY:H	1:74:A:VAL:HG23	1	0.14
(1,1924)	1:180:A:ALA:HA	1:183:A:LEU:HD21	10	0.14
(1,1924)	1:180:A:ALA:HA	1:183:A:LEU:HD22	10	0.14
(1,1924)	1:180:A:ALA:HA	1:183:A:LEU:HD23	10	0.14
(1,1867)	1:73:A:GLN:HG3	1:181:A:LEU:HD11	2	0.14
(1,1867)	1:73:A:GLN:HG3	1:181:A:LEU:HD12	2	0.14
(1,1867)	1:73:A:GLN:HG3	1:181:A:LEU:HD13	2	0.14
(1,1842)	1:165:A:HIS:HA	1:166:A:CYS:HB3	13	0.14
(1,1796)	1:169:A:ARG:HA	1:169:A:ARG:HG3	17	0.14
(1,1760)	1:68:A:SER:H	1:67:A:PRO:HG3	1	0.14
(1,1760)	1:68:A:SER:H	1:67:A:PRO:HG3	4	0.14
(1,1756)	1:20:A:PRO:HA	1:20:A:PRO:HG3	3	0.14
(1,1756)	1:20:A:PRO:HA	1:20:A:PRO:HG3	7	0.14
(1,1756)	1:20:A:PRO:HA	1:20:A:PRO:HG3	9	0.14
(1,1756)	1:20:A:PRO:HA	1:20:A:PRO:HG3	14	0.14
(1,1756)	1:20:A:PRO:HA	1:20:A:PRO:HG3	16	0.14
(1,1756)	1:20:A:PRO:HA	1:20:A:PRO:HG3	18	0.14
(1,1756)	1:20:A:PRO:HA	1:20:A:PRO:HG3	19	0.14
(1,1746)	1:86:A:ASN:HB3	1:87:A:ARG:HG3	6	0.14
(1,1738)	1:77:A:GLN:HE22	1:77:A:GLN:HB3	1	0.14
(1,1689)	1:109:A:GLU:HG3	1:109:A:GLU:HB3	4	0.14
(1,1689)	1:109:A:GLU:HG3	1:109:A:GLU:HB3	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1494)	1:44:A:GLN:HB3	1:44:A:GLN:HG3	15	0.14
(1,1483)	1:143:A:TYR:HE1	1:144:A:GLN:HG3	18	0.14
(1,1483)	1:143:A:TYR:HE2	1:144:A:GLN:HG3	18	0.14
(1,1428)	1:31:A:THR:HB	1:32:A:GLU:HG3	4	0.14
(1,1264)	1:20:A:PRO:HA	1:19:A:LEU:HB3	3	0.14
(1,1264)	1:20:A:PRO:HA	1:19:A:LEU:HB3	4	0.14
(1,1264)	1:20:A:PRO:HA	1:19:A:LEU:HB3	5	0.14
(1,1264)	1:20:A:PRO:HA	1:19:A:LEU:HB3	6	0.14
(1,1264)	1:20:A:PRO:HA	1:19:A:LEU:HB3	8	0.14
(1,1264)	1:20:A:PRO:HA	1:19:A:LEU:HB3	9	0.14
(1,1264)	1:20:A:PRO:HA	1:19:A:LEU:HB3	12	0.14
(1,1264)	1:20:A:PRO:HA	1:19:A:LEU:HB3	14	0.14
(1,1264)	1:20:A:PRO:HA	1:19:A:LEU:HB3	15	0.14
(1,1264)	1:20:A:PRO:HA	1:19:A:LEU:HB3	16	0.14
(1,1264)	1:20:A:PRO:HA	1:19:A:LEU:HB3	17	0.14
(1,1264)	1:20:A:PRO:HA	1:19:A:LEU:HB3	19	0.14
(1,1264)	1:20:A:PRO:HA	1:19:A:LEU:HB3	20	0.14
(1,1250)	1:38:A:TYR:HD1	1:42:A:ARG:HD3	11	0.14
(1,1250)	1:38:A:TYR:HD2	1:42:A:ARG:HD3	11	0.14
(1,1140)	1:81:A:ILE:HG21	1:184:A:GLY:HA2	9	0.14
(1,1140)	1:81:A:ILE:HG22	1:184:A:GLY:HA2	9	0.14
(1,1140)	1:81:A:ILE:HG23	1:184:A:GLY:HA2	9	0.14
(1,1138)	1:52:A:VAL:HG11	1:51:A:GLY:HA3	12	0.14
(1,1138)	1:52:A:VAL:HG12	1:51:A:GLY:HA3	12	0.14
(1,1138)	1:52:A:VAL:HG13	1:51:A:GLY:HA3	12	0.14
(1,1138)	1:52:A:VAL:HG21	1:51:A:GLY:HA3	12	0.14
(1,1138)	1:52:A:VAL:HG22	1:51:A:GLY:HA3	12	0.14
(1,1138)	1:52:A:VAL:HG23	1:51:A:GLY:HA3	12	0.14
(1,1117)	1:139:A:ALA:H	1:135:A:GLY:HA3	19	0.14
(1,1111)	2:97:B:NLE:HB2	1:126:A:GLY:HA3	12	0.14
(1,1111)	2:97:B:NLE:HB3	1:126:A:GLY:HA3	12	0.14
(1,1088)	1:65:A:LEU:H	1:64:A:PRO:HD3	20	0.14
(1,1084)	1:19:A:LEU:H	1:20:A:PRO:HD3	1	0.14
(1,1084)	1:19:A:LEU:H	1:20:A:PRO:HD3	2	0.14
(1,1084)	1:19:A:LEU:H	1:20:A:PRO:HD3	13	0.14
(1,1084)	1:19:A:LEU:H	1:20:A:PRO:HD3	18	0.14
(1,1032)	1:131:A:LEU:HD21	1:115:A:ALA:HA	3	0.14
(1,1032)	1:131:A:LEU:HD22	1:115:A:ALA:HA	3	0.14
(1,1032)	1:131:A:LEU:HD23	1:115:A:ALA:HA	3	0.14
(1,1001)	1:73:A:GLN:HG3	1:181:A:LEU:HA	19	0.14
(1,994)	1:50:A:GLU:HG3	1:50:A:GLU:HA	7	0.14
(1,960)	1:163:A:LEU:HD11	1:164:A:HIS:HA	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,960)	1:163:A:LEU:HD12	1:164:A:HIS:HA	5	0.14
(1,960)	1:163:A:LEU:HD13	1:164:A:HIS:HA	5	0.14
(1,960)	1:163:A:LEU:HD21	1:164:A:HIS:HA	5	0.14
(1,960)	1:163:A:LEU:HD22	1:164:A:HIS:HA	5	0.14
(1,960)	1:163:A:LEU:HD23	1:164:A:HIS:HA	5	0.14
(1,960)	1:163:A:LEU:HD11	1:164:A:HIS:HA	10	0.14
(1,960)	1:163:A:LEU:HD12	1:164:A:HIS:HA	10	0.14
(1,960)	1:163:A:LEU:HD13	1:164:A:HIS:HA	10	0.14
(1,960)	1:163:A:LEU:HD21	1:164:A:HIS:HA	10	0.14
(1,960)	1:163:A:LEU:HD22	1:164:A:HIS:HA	10	0.14
(1,960)	1:163:A:LEU:HD23	1:164:A:HIS:HA	10	0.14
(1,948)	1:144:A:GLN:HG3	1:144:A:GLN:HA	18	0.14
(1,947)	1:144:A:GLN:HE21	1:144:A:GLN:HA	6	0.14
(1,941)	1:68:A:SER:HB3	1:68:A:SER:HA	4	0.14
(1,941)	1:68:A:SER:HB3	1:68:A:SER:HA	8	0.14
(1,941)	1:68:A:SER:HB3	1:68:A:SER:HA	14	0.14
(1,861)	1:46:A:GLU:HB3	1:43:A:HIS:HA	12	0.14
(1,757)	1:41:A:TYR:HE1	1:41:A:TYR:HA	17	0.14
(1,757)	1:41:A:TYR:HE2	1:41:A:TYR:HA	17	0.14
(1,687)	1:24:A:GLU:HA	1:27:A:VAL:HA	4	0.14
(1,531)	1:23:A:SER:H	1:26:A:GLN:HE22	8	0.14
(1,490)	1:164:A:HIS:HB3	1:164:A:HIS:H	19	0.14
(1,453)	1:26:A:GLN:HB3	1:23:A:SER:H	5	0.14
(1,442)	1:181:A:LEU:HD11	1:182:A:ASN:H	12	0.14
(1,442)	1:181:A:LEU:HD12	1:182:A:ASN:H	12	0.14
(1,442)	1:181:A:LEU:HD13	1:182:A:ASN:H	12	0.14
(1,424)	1:163:A:LEU:HD11	1:165:A:HIS:H	4	0.14
(1,424)	1:163:A:LEU:HD12	1:165:A:HIS:H	4	0.14
(1,424)	1:163:A:LEU:HD13	1:165:A:HIS:H	4	0.14
(1,424)	1:163:A:LEU:HD21	1:165:A:HIS:H	4	0.14
(1,424)	1:163:A:LEU:HD22	1:165:A:HIS:H	4	0.14
(1,424)	1:163:A:LEU:HD23	1:165:A:HIS:H	4	0.14
(1,397)	1:20:A:PRO:HB3	1:21:A:SER:H	16	0.14
(1,154)	1:32:A:GLU:HG3	1:32:A:GLU:H	9	0.14
(1,154)	1:32:A:GLU:HG3	1:32:A:GLU:H	19	0.14
(1,123)	1:34:A:VAL:HG11	1:74:A:VAL:H	2	0.14
(1,123)	1:34:A:VAL:HG12	1:74:A:VAL:H	2	0.14
(1,123)	1:34:A:VAL:HG13	1:74:A:VAL:H	2	0.14
(1,78)	1:64:A:PRO:HB3	1:65:A:LEU:H	2	0.14
(1,78)	1:64:A:PRO:HB3	1:65:A:LEU:H	13	0.14
(2,159)	1:158:A:VAL:O	1:162:A:MET:N	3	0.13
(2,154)	1:150:A:PHE:O	1:154:A:VAL:N	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,153)	1:134:A:PHE:O	1:138:A:LEU:N	5	0.13
(2,152)	1:131:A:LEU:O	1:135:A:GLY:N	11	0.13
(2,152)	1:131:A:LEU:O	1:135:A:GLY:N	20	0.13
(2,141)	1:82:A:GLY:O	1:86:A:ASN:N	5	0.13
(2,136)	1:37:A:SER:O	1:41:A:TYR:N	16	0.13
(2,128)	1:27:A:VAL:O	1:31:A:THR:N	6	0.13
(2,125)	1:170:A:TRP:O	1:174:A:ARG:H	10	0.13
(2,113)	1:157:A:PHE:O	1:161:A:PHE:H	5	0.13
(2,110)	1:155:A:THR:O	1:159:A:VAL:N	6	0.13
(2,109)	1:155:A:THR:O	1:159:A:VAL:H	10	0.13
(2,91)	1:135:A:GLY:O	1:139:A:ALA:H	4	0.13
(2,88)	1:132:A:LEU:O	1:136:A:TYR:N	2	0.13
(2,88)	1:132:A:LEU:O	1:136:A:TYR:N	5	0.13
(2,88)	1:132:A:LEU:O	1:136:A:TYR:N	14	0.13
(2,87)	1:132:A:LEU:O	1:136:A:TYR:H	11	0.13
(2,87)	1:132:A:LEU:O	1:136:A:TYR:H	13	0.13
(2,75)	1:124:A:ASN:O	1:128:A:VAL:H	4	0.13
(2,75)	1:124:A:ASN:O	1:128:A:VAL:H	16	0.13
(2,71)	1:114:A:ILE:O	1:118:A:LEU:H	14	0.13
(2,63)	1:110:A:TYR:O	1:114:A:ILE:H	4	0.13
(2,63)	1:110:A:TYR:O	1:114:A:ILE:H	8	0.13
(2,63)	1:110:A:TYR:O	1:114:A:ILE:H	18	0.13
(2,53)	1:93:A:PHE:O	1:97:A:LEU:H	15	0.13
(2,17)	1:32:A:GLU:O	1:36:A:ARG:H	4	0.13
(2,13)	1:30:A:ASP:O	1:34:A:VAL:H	18	0.13
(2,11)	1:29:A:GLN:O	1:33:A:GLU:H	10	0.13
(2,11)	1:29:A:GLN:O	1:33:A:GLU:H	12	0.13
(2,11)	1:29:A:GLN:O	1:33:A:GLU:H	15	0.13
(2,9)	1:28:A:ALA:O	1:32:A:GLU:H	3	0.13
(1,3095)	1:117:A:SER:H	2:87:B:ALA:HB1	2	0.13
(1,3095)	1:117:A:SER:H	2:87:B:ALA:HB2	2	0.13
(1,3095)	1:117:A:SER:H	2:87:B:ALA:HB3	2	0.13
(1,3095)	1:117:A:SER:H	2:87:B:ALA:HB1	8	0.13
(1,3095)	1:117:A:SER:H	2:87:B:ALA:HB2	8	0.13
(1,3095)	1:117:A:SER:H	2:87:B:ALA:HB3	8	0.13
(1,3095)	1:117:A:SER:H	2:87:B:ALA:HB1	9	0.13
(1,3095)	1:117:A:SER:H	2:87:B:ALA:HB2	9	0.13
(1,3095)	1:117:A:SER:H	2:87:B:ALA:HB3	9	0.13
(1,3095)	1:117:A:SER:H	2:87:B:ALA:HB1	11	0.13
(1,3095)	1:117:A:SER:H	2:87:B:ALA:HB2	11	0.13
(1,3095)	1:117:A:SER:H	2:87:B:ALA:HB3	11	0.13
(1,3086)	1:129:A:VAL:H	2:97:B:NLE:HD2	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3086)	1:129:A:VAL:H	2:97:B:NLE:HD3	3	0.13
(1,3086)	1:129:A:VAL:H	2:97:B:NLE:HD2	12	0.13
(1,3086)	1:129:A:VAL:H	2:97:B:NLE:HD3	12	0.13
(1,3069)	1:118:A:LEU:HD11	2:91:B:ALA:HA	5	0.13
(1,3069)	1:118:A:LEU:HD12	2:91:B:ALA:HA	5	0.13
(1,3069)	1:118:A:LEU:HD13	2:91:B:ALA:HA	5	0.13
(1,3069)	1:118:A:LEU:HD21	2:91:B:ALA:HA	5	0.13
(1,3069)	1:118:A:LEU:HD22	2:91:B:ALA:HA	5	0.13
(1,3069)	1:118:A:LEU:HD23	2:91:B:ALA:HA	5	0.13
(1,3069)	1:118:A:LEU:HD11	2:91:B:ALA:HA	11	0.13
(1,3069)	1:118:A:LEU:HD12	2:91:B:ALA:HA	11	0.13
(1,3069)	1:118:A:LEU:HD13	2:91:B:ALA:HA	11	0.13
(1,3069)	1:118:A:LEU:HD21	2:91:B:ALA:HA	11	0.13
(1,3069)	1:118:A:LEU:HD22	2:91:B:ALA:HA	11	0.13
(1,3069)	1:118:A:LEU:HD23	2:91:B:ALA:HA	11	0.13
(1,3065)	1:114:A:ILE:HD11	2:86:B:ILE:HG13	12	0.13
(1,3065)	1:114:A:ILE:HD12	2:86:B:ILE:HG13	12	0.13
(1,3065)	1:114:A:ILE:HD13	2:86:B:ILE:HG13	12	0.13
(1,3055)	1:100:A:LEU:HD11	2:82:B:ILE:HG21	17	0.13
(1,3055)	1:100:A:LEU:HD11	2:82:B:ILE:HG22	17	0.13
(1,3055)	1:100:A:LEU:HD11	2:82:B:ILE:HG23	17	0.13
(1,3055)	1:100:A:LEU:HD12	2:82:B:ILE:HG21	17	0.13
(1,3055)	1:100:A:LEU:HD12	2:82:B:ILE:HG22	17	0.13
(1,3055)	1:100:A:LEU:HD12	2:82:B:ILE:HG23	17	0.13
(1,3055)	1:100:A:LEU:HD13	2:82:B:ILE:HG21	17	0.13
(1,3055)	1:100:A:LEU:HD13	2:82:B:ILE:HG22	17	0.13
(1,3055)	1:100:A:LEU:HD13	2:82:B:ILE:HG23	17	0.13
(1,3055)	1:100:A:LEU:HD21	2:82:B:ILE:HG21	17	0.13
(1,3055)	1:100:A:LEU:HD21	2:82:B:ILE:HG22	17	0.13
(1,3055)	1:100:A:LEU:HD21	2:82:B:ILE:HG23	17	0.13
(1,3055)	1:100:A:LEU:HD22	2:82:B:ILE:HG21	17	0.13
(1,3055)	1:100:A:LEU:HD22	2:82:B:ILE:HG22	17	0.13
(1,3055)	1:100:A:LEU:HD22	2:82:B:ILE:HG23	17	0.13
(1,3055)	1:100:A:LEU:HD23	2:82:B:ILE:HG21	17	0.13
(1,3055)	1:100:A:LEU:HD23	2:82:B:ILE:HG22	17	0.13
(1,3055)	1:100:A:LEU:HD23	2:82:B:ILE:HG23	17	0.13
(1,2983)	1:85:A:ILE:HG21	2:93:B:VAL:HB	15	0.13
(1,2983)	1:85:A:ILE:HG22	2:93:B:VAL:HB	15	0.13
(1,2983)	1:85:A:ILE:HG23	2:93:B:VAL:HB	15	0.13
(1,2975)	1:81:A:ILE:HG21	2:101:B:ILE:HD11	1	0.13
(1,2975)	1:81:A:ILE:HG21	2:101:B:ILE:HD12	1	0.13
(1,2975)	1:81:A:ILE:HG21	2:101:B:ILE:HD13	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2975)	1:81:A:ILE:HG22	2:101:B:ILE:HD11	1	0.13
(1,2975)	1:81:A:ILE:HG22	2:101:B:ILE:HD12	1	0.13
(1,2975)	1:81:A:ILE:HG22	2:101:B:ILE:HD13	1	0.13
(1,2975)	1:81:A:ILE:HG23	2:101:B:ILE:HD11	1	0.13
(1,2975)	1:81:A:ILE:HG23	2:101:B:ILE:HD12	1	0.13
(1,2975)	1:81:A:ILE:HG23	2:101:B:ILE:HD13	1	0.13
(1,2975)	1:81:A:ILE:HG21	2:101:B:ILE:HD11	5	0.13
(1,2975)	1:81:A:ILE:HG21	2:101:B:ILE:HD12	5	0.13
(1,2975)	1:81:A:ILE:HG21	2:101:B:ILE:HD13	5	0.13
(1,2975)	1:81:A:ILE:HG22	2:101:B:ILE:HD11	5	0.13
(1,2975)	1:81:A:ILE:HG22	2:101:B:ILE:HD12	5	0.13
(1,2975)	1:81:A:ILE:HG22	2:101:B:ILE:HD13	5	0.13
(1,2975)	1:81:A:ILE:HG23	2:101:B:ILE:HD11	5	0.13
(1,2975)	1:81:A:ILE:HG23	2:101:B:ILE:HD12	5	0.13
(1,2975)	1:81:A:ILE:HG23	2:101:B:ILE:HD13	5	0.13
(1,2916)	2:90:B:LEU:HB3	2:91:B:ALA:H	14	0.13
(1,2916)	2:90:B:LEU:HB3	2:91:B:ALA:H	19	0.13
(1,2895)	2:85:B:ASN:H	2:85:B:ASN:HB3	2	0.13
(1,2803)	2:84:B:ARG:HB3	2:84:B:ARG:HD3	19	0.13
(1,2795)	2:88:B:ARG:HA	2:91:B:ALA:H	10	0.13
(1,2772)	2:83:B:ILE:HB	2:84:B:ARG:H	19	0.13
(1,2758)	2:82:B:ILE:HB	2:83:B:ILE:H	1	0.13
(1,2690)	2:92:B:MK8:HE	2:96:B:MK8:HD	1	0.13
(1,2690)	2:92:B:MK8:HE	2:96:B:MK8:HDA	1	0.13
(1,2681)	2:84:B:ARG:HA	2:84:B:ARG:HG3	8	0.13
(1,2658)	2:89:B:HIS:HA	2:92:B:MK8:HB	15	0.13
(1,2636)	2:90:B:LEU:HA	2:93:B:VAL:HB	2	0.13
(1,2601)	1:55:A:PRO:HG3	1:136:A:TYR:HE1	18	0.13
(1,2601)	1:55:A:PRO:HG3	1:136:A:TYR:HE2	18	0.13
(1,2398)	1:37:A:SER:HB3	1:40:A:PHE:HD1	10	0.13
(1,2398)	1:37:A:SER:HB3	1:40:A:PHE:HD2	10	0.13
(1,2394)	1:107:A:ALA:HB1	1:150:A:PHE:HD1	3	0.13
(1,2394)	1:107:A:ALA:HB1	1:150:A:PHE:HD2	3	0.13
(1,2394)	1:107:A:ALA:HB2	1:150:A:PHE:HD1	3	0.13
(1,2394)	1:107:A:ALA:HB2	1:150:A:PHE:HD2	3	0.13
(1,2394)	1:107:A:ALA:HB3	1:150:A:PHE:HD1	3	0.13
(1,2394)	1:107:A:ALA:HB3	1:150:A:PHE:HD2	3	0.13
(1,2394)	1:107:A:ALA:HB1	1:150:A:PHE:HD1	7	0.13
(1,2394)	1:107:A:ALA:HB1	1:150:A:PHE:HD2	7	0.13
(1,2394)	1:107:A:ALA:HB2	1:150:A:PHE:HD1	7	0.13
(1,2394)	1:107:A:ALA:HB2	1:150:A:PHE:HD2	7	0.13
(1,2394)	1:107:A:ALA:HB3	1:150:A:PHE:HD1	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2394)	1:107:A:ALA:HB3	1:150:A:PHE:HD2	7	0.13
(1,2356)	1:37:A:SER:HB3	1:41:A:TYR:HD1	11	0.13
(1,2356)	1:37:A:SER:HB3	1:41:A:TYR:HD2	11	0.13
(1,2341)	1:98:A:GLN:HG3	1:141:A:HIS:HE1	10	0.13
(1,2241)	1:28:A:ALA:H	1:168:A:ALA:HB1	2	0.13
(1,2241)	1:28:A:ALA:H	1:168:A:ALA:HB2	2	0.13
(1,2241)	1:28:A:ALA:H	1:168:A:ALA:HB3	2	0.13
(1,2206)	1:129:A:VAL:HB	1:130:A:ALA:HB1	12	0.13
(1,2206)	1:129:A:VAL:HB	1:130:A:ALA:HB2	12	0.13
(1,2206)	1:129:A:VAL:HB	1:130:A:ALA:HB3	12	0.13
(1,2114)	1:46:A:GLU:HA	1:49:A:ALA:HB1	3	0.13
(1,2114)	1:46:A:GLU:HA	1:49:A:ALA:HB2	3	0.13
(1,2114)	1:46:A:GLU:HA	1:49:A:ALA:HB3	3	0.13
(1,2108)	1:150:A:PHE:HB3	1:142:A:VAL:HG11	1	0.13
(1,2108)	1:150:A:PHE:HB3	1:142:A:VAL:HG12	1	0.13
(1,2108)	1:150:A:PHE:HB3	1:142:A:VAL:HG13	1	0.13
(1,2094)	1:177:A:TRP:HZ3	1:34:A:VAL:HG21	7	0.13
(1,2094)	1:177:A:TRP:HZ3	1:34:A:VAL:HG22	7	0.13
(1,2094)	1:177:A:TRP:HZ3	1:34:A:VAL:HG23	7	0.13
(1,2056)	1:160:A:ASP:H	1:158:A:VAL:HG21	1	0.13
(1,2056)	1:160:A:ASP:H	1:158:A:VAL:HG22	1	0.13
(1,2056)	1:160:A:ASP:H	1:158:A:VAL:HG23	1	0.13
(1,2056)	1:160:A:ASP:H	1:158:A:VAL:HG21	20	0.13
(1,2056)	1:160:A:ASP:H	1:158:A:VAL:HG22	20	0.13
(1,2056)	1:160:A:ASP:H	1:158:A:VAL:HG23	20	0.13
(1,2021)	1:35:A:PHE:HB3	1:132:A:LEU:HD11	15	0.13
(1,2021)	1:35:A:PHE:HB3	1:132:A:LEU:HD12	15	0.13
(1,2021)	1:35:A:PHE:HB3	1:132:A:LEU:HD13	15	0.13
(1,2021)	1:35:A:PHE:HB3	1:132:A:LEU:HD21	15	0.13
(1,2021)	1:35:A:PHE:HB3	1:132:A:LEU:HD22	15	0.13
(1,2021)	1:35:A:PHE:HB3	1:132:A:LEU:HD23	15	0.13
(1,2014)	1:159:A:VAL:HA	1:159:A:VAL:HG11	2	0.13
(1,2014)	1:159:A:VAL:HA	1:159:A:VAL:HG12	2	0.13
(1,2014)	1:159:A:VAL:HA	1:159:A:VAL:HG13	2	0.13
(1,2014)	1:159:A:VAL:HA	1:159:A:VAL:HG11	6	0.13
(1,2014)	1:159:A:VAL:HA	1:159:A:VAL:HG12	6	0.13
(1,2014)	1:159:A:VAL:HA	1:159:A:VAL:HG13	6	0.13
(1,2014)	1:159:A:VAL:HA	1:159:A:VAL:HG11	12	0.13
(1,2014)	1:159:A:VAL:HA	1:159:A:VAL:HG12	12	0.13
(1,2014)	1:159:A:VAL:HA	1:159:A:VAL:HG13	12	0.13
(1,2014)	1:159:A:VAL:HA	1:159:A:VAL:HG11	20	0.13
(1,2014)	1:159:A:VAL:HA	1:159:A:VAL:HG12	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2014)	1:159:A:VAL:HA	1:159:A:VAL:HG13	20	0.13
(1,1952)	1:35:A:PHE:HB3	1:31:A:THR:HG21	14	0.13
(1,1952)	1:35:A:PHE:HB3	1:31:A:THR:HG22	14	0.13
(1,1952)	1:35:A:PHE:HB3	1:31:A:THR:HG23	14	0.13
(1,1946)	1:110:A:TYR:HA	1:100:A:LEU:HD21	17	0.13
(1,1946)	1:110:A:TYR:HA	1:100:A:LEU:HD22	17	0.13
(1,1946)	1:110:A:TYR:HA	1:100:A:LEU:HD23	17	0.13
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG11	12	0.13
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG12	12	0.13
(1,1931)	1:71:A:MET:HA	1:74:A:VAL:HG13	12	0.13
(1,1899)	2:101:B:ILE:HD11	1:183:A:LEU:HD21	6	0.13
(1,1899)	2:101:B:ILE:HD11	1:183:A:LEU:HD22	6	0.13
(1,1899)	2:101:B:ILE:HD11	1:183:A:LEU:HD23	6	0.13
(1,1899)	2:101:B:ILE:HD12	1:183:A:LEU:HD21	6	0.13
(1,1899)	2:101:B:ILE:HD12	1:183:A:LEU:HD22	6	0.13
(1,1899)	2:101:B:ILE:HD12	1:183:A:LEU:HD23	6	0.13
(1,1899)	2:101:B:ILE:HD13	1:183:A:LEU:HD21	6	0.13
(1,1899)	2:101:B:ILE:HD13	1:183:A:LEU:HD22	6	0.13
(1,1899)	2:101:B:ILE:HD13	1:183:A:LEU:HD23	6	0.13
(1,1899)	2:101:B:ILE:HD11	1:183:A:LEU:HD21	10	0.13
(1,1899)	2:101:B:ILE:HD11	1:183:A:LEU:HD22	10	0.13
(1,1899)	2:101:B:ILE:HD11	1:183:A:LEU:HD23	10	0.13
(1,1899)	2:101:B:ILE:HD12	1:183:A:LEU:HD21	10	0.13
(1,1899)	2:101:B:ILE:HD12	1:183:A:LEU:HD22	10	0.13
(1,1899)	2:101:B:ILE:HD12	1:183:A:LEU:HD23	10	0.13
(1,1899)	2:101:B:ILE:HD13	1:183:A:LEU:HD21	10	0.13
(1,1899)	2:101:B:ILE:HD13	1:183:A:LEU:HD22	10	0.13
(1,1899)	2:101:B:ILE:HD13	1:183:A:LEU:HD23	10	0.13
(1,1893)	1:147:A:LEU:H	1:147:A:LEU:HD21	11	0.13
(1,1893)	1:147:A:LEU:H	1:147:A:LEU:HD22	11	0.13
(1,1893)	1:147:A:LEU:H	1:147:A:LEU:HD23	11	0.13
(1,1871)	1:63:A:LEU:HA	1:63:A:LEU:HD11	10	0.13
(1,1871)	1:63:A:LEU:HA	1:63:A:LEU:HD12	10	0.13
(1,1871)	1:63:A:LEU:HA	1:63:A:LEU:HD13	10	0.13
(1,1857)	1:138:A:LEU:HD11	1:97:A:LEU:HD21	1	0.13
(1,1857)	1:138:A:LEU:HD11	1:97:A:LEU:HD22	1	0.13
(1,1857)	1:138:A:LEU:HD11	1:97:A:LEU:HD23	1	0.13
(1,1857)	1:138:A:LEU:HD12	1:97:A:LEU:HD21	1	0.13
(1,1857)	1:138:A:LEU:HD12	1:97:A:LEU:HD22	1	0.13
(1,1857)	1:138:A:LEU:HD12	1:97:A:LEU:HD23	1	0.13
(1,1857)	1:138:A:LEU:HD13	1:97:A:LEU:HD21	1	0.13
(1,1857)	1:138:A:LEU:HD13	1:97:A:LEU:HD22	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1857)	1:138:A:LEU:HD13	1:97:A:LEU:HD23	1	0.13
(1,1857)	1:138:A:LEU:HD21	1:97:A:LEU:HD21	1	0.13
(1,1857)	1:138:A:LEU:HD21	1:97:A:LEU:HD22	1	0.13
(1,1857)	1:138:A:LEU:HD21	1:97:A:LEU:HD23	1	0.13
(1,1857)	1:138:A:LEU:HD22	1:97:A:LEU:HD21	1	0.13
(1,1857)	1:138:A:LEU:HD22	1:97:A:LEU:HD22	1	0.13
(1,1857)	1:138:A:LEU:HD22	1:97:A:LEU:HD23	1	0.13
(1,1857)	1:138:A:LEU:HD23	1:97:A:LEU:HD21	1	0.13
(1,1857)	1:138:A:LEU:HD23	1:97:A:LEU:HD22	1	0.13
(1,1857)	1:138:A:LEU:HD23	1:97:A:LEU:HD23	1	0.13
(1,1760)	1:68:A:SER:H	1:67:A:PRO:HG3	3	0.13
(1,1760)	1:68:A:SER:H	1:67:A:PRO:HG3	14	0.13
(1,1760)	1:68:A:SER:H	1:67:A:PRO:HG3	19	0.13
(1,1756)	1:20:A:PRO:HA	1:20:A:PRO:HG3	1	0.13
(1,1756)	1:20:A:PRO:HA	1:20:A:PRO:HG3	2	0.13
(1,1756)	1:20:A:PRO:HA	1:20:A:PRO:HG3	4	0.13
(1,1756)	1:20:A:PRO:HA	1:20:A:PRO:HG3	5	0.13
(1,1756)	1:20:A:PRO:HA	1:20:A:PRO:HG3	6	0.13
(1,1756)	1:20:A:PRO:HA	1:20:A:PRO:HG3	8	0.13
(1,1756)	1:20:A:PRO:HA	1:20:A:PRO:HG3	10	0.13
(1,1756)	1:20:A:PRO:HA	1:20:A:PRO:HG3	11	0.13
(1,1756)	1:20:A:PRO:HA	1:20:A:PRO:HG3	12	0.13
(1,1756)	1:20:A:PRO:HA	1:20:A:PRO:HG3	13	0.13
(1,1756)	1:20:A:PRO:HA	1:20:A:PRO:HG3	15	0.13
(1,1756)	1:20:A:PRO:HA	1:20:A:PRO:HG3	17	0.13
(1,1756)	1:20:A:PRO:HA	1:20:A:PRO:HG3	20	0.13
(1,1709)	1:98:A:GLN:HE22	1:98:A:GLN:HB3	11	0.13
(1,1689)	1:109:A:GLU:HG3	1:109:A:GLU:HB3	5	0.13
(1,1689)	1:109:A:GLU:HG3	1:109:A:GLU:HB3	19	0.13
(1,1660)	1:47:A:GLN:HE21	1:46:A:GLU:HB3	19	0.13
(1,1534)	1:160:A:ASP:H	1:159:A:VAL:HB	2	0.13
(1,1521)	1:81:A:ILE:HG21	1:77:A:GLN:HG3	5	0.13
(1,1521)	1:81:A:ILE:HG22	1:77:A:GLN:HG3	5	0.13
(1,1521)	1:81:A:ILE:HG23	1:77:A:GLN:HG3	5	0.13
(1,1494)	1:44:A:GLN:HB3	1:44:A:GLN:HG3	13	0.13
(1,1485)	1:185:A:ASN:H	1:77:A:GLN:HG3	2	0.13
(1,1464)	1:101:A:GLN:HA	1:101:A:GLN:HG3	4	0.13
(1,1419)	1:116:A:THR:HA	1:120:A:GLU:HG3	4	0.13
(1,1145)	1:174:A:ARG:H	1:175:A:GLY:HA3	20	0.13
(1,1094)	1:100:A:LEU:H	1:102:A:PRO:HD3	20	0.13
(1,1088)	1:65:A:LEU:H	1:64:A:PRO:HD3	16	0.13
(1,1084)	1:19:A:LEU:H	1:20:A:PRO:HD3	10	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1084)	1:19:A:LEU:H	1:20:A:PRO:HD3	11	0.13
(1,1037)	1:65:A:LEU:HD11	1:65:A:LEU:HA	1	0.13
(1,1037)	1:65:A:LEU:HD12	1:65:A:LEU:HA	1	0.13
(1,1037)	1:65:A:LEU:HD13	1:65:A:LEU:HA	1	0.13
(1,1037)	1:65:A:LEU:HD21	1:65:A:LEU:HA	1	0.13
(1,1037)	1:65:A:LEU:HD22	1:65:A:LEU:HA	1	0.13
(1,1037)	1:65:A:LEU:HD23	1:65:A:LEU:HA	1	0.13
(1,948)	1:144:A:GLN:HG3	1:144:A:GLN:HA	8	0.13
(1,941)	1:68:A:SER:HB3	1:68:A:SER:HA	6	0.13
(1,941)	1:68:A:SER:HB3	1:68:A:SER:HA	10	0.13
(1,941)	1:68:A:SER:HB3	1:68:A:SER:HA	18	0.13
(1,923)	1:76:A:ARG:HG3	1:77:A:GLN:HA	14	0.13
(1,901)	1:94:A:GLN:H	1:92:A:GLU:HA	4	0.13
(1,901)	1:94:A:GLN:H	1:92:A:GLU:HA	5	0.13
(1,766)	1:38:A:TYR:H	1:37:A:SER:HB3	2	0.13
(1,757)	1:41:A:TYR:HE1	1:41:A:TYR:HA	4	0.13
(1,757)	1:41:A:TYR:HE2	1:41:A:TYR:HA	4	0.13
(1,757)	1:41:A:TYR:HE1	1:41:A:TYR:HA	11	0.13
(1,757)	1:41:A:TYR:HE2	1:41:A:TYR:HA	11	0.13
(1,531)	1:23:A:SER:H	1:26:A:GLN:HE22	10	0.13
(1,490)	1:164:A:HIS:HB3	1:164:A:HIS:H	15	0.13
(1,453)	1:26:A:GLN:HB3	1:23:A:SER:H	17	0.13
(1,442)	1:181:A:LEU:HD11	1:182:A:ASN:H	4	0.13
(1,442)	1:181:A:LEU:HD12	1:182:A:ASN:H	4	0.13
(1,442)	1:181:A:LEU:HD13	1:182:A:ASN:H	4	0.13
(1,379)	1:50:A:GLU:HB3	1:50:A:GLU:H	18	0.13
(1,378)	1:50:A:GLU:HG3	1:50:A:GLU:H	12	0.13
(1,368)	1:119:A:PHE:HA	1:123:A:ILE:H	1	0.13
(1,320)	1:163:A:LEU:HD11	1:29:A:GLN:H	10	0.13
(1,320)	1:163:A:LEU:HD12	1:29:A:GLN:H	10	0.13
(1,320)	1:163:A:LEU:HD13	1:29:A:GLN:H	10	0.13
(1,320)	1:163:A:LEU:HD21	1:29:A:GLN:H	10	0.13
(1,320)	1:163:A:LEU:HD22	1:29:A:GLN:H	10	0.13
(1,320)	1:163:A:LEU:HD23	1:29:A:GLN:H	10	0.13
(1,318)	1:27:A:VAL:HG11	1:177:A:TRP:H	1	0.13
(1,318)	1:27:A:VAL:HG12	1:177:A:TRP:H	1	0.13
(1,318)	1:27:A:VAL:HG13	1:177:A:TRP:H	1	0.13
(1,318)	1:27:A:VAL:HG11	1:177:A:TRP:H	12	0.13
(1,318)	1:27:A:VAL:HG12	1:177:A:TRP:H	12	0.13
(1,318)	1:27:A:VAL:HG13	1:177:A:TRP:H	12	0.13
(1,318)	1:27:A:VAL:HG11	1:177:A:TRP:H	20	0.13
(1,318)	1:27:A:VAL:HG12	1:177:A:TRP:H	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,318)	1:27:A:VAL:HG13	1:177:A:TRP:H	20	0.13
(1,175)	1:118:A:LEU:HD11	1:131:A:LEU:H	11	0.13
(1,175)	1:118:A:LEU:HD12	1:131:A:LEU:H	11	0.13
(1,175)	1:118:A:LEU:HD13	1:131:A:LEU:H	11	0.13
(1,154)	1:32:A:GLU:HG3	1:32:A:GLU:H	11	0.13
(1,154)	1:32:A:GLU:HG3	1:32:A:GLU:H	13	0.13
(1,9)	1:174:A:ARG:HA	1:125:A:TRP:HE1	4	0.13
(2,157)	1:153:A:GLN:O	1:157:A:PHE:N	19	0.12
(2,153)	1:134:A:PHE:O	1:138:A:LEU:N	4	0.12
(2,153)	1:134:A:PHE:O	1:138:A:LEU:N	10	0.12
(2,152)	1:131:A:LEU:O	1:135:A:GLY:N	1	0.12
(2,152)	1:131:A:LEU:O	1:135:A:GLY:N	9	0.12
(2,150)	1:113:A:LYS:O	1:117:A:SER:N	5	0.12
(2,146)	1:107:A:ALA:O	1:111:A:PHE:N	3	0.12
(2,145)	1:106:A:ASN:O	1:110:A:TYR:N	11	0.12
(2,142)	1:84:A:ASP:O	1:88:A:ARG:N	18	0.12
(2,140)	1:78:A:LEU:O	1:82:A:GLY:N	6	0.12
(2,136)	1:37:A:SER:O	1:41:A:TYR:N	6	0.12
(2,123)	1:169:A:ARG:O	1:173:A:GLN:H	20	0.12
(2,115)	1:158:A:VAL:O	1:162:A:MET:H	4	0.12
(2,98)	1:139:A:ALA:O	1:143:A:TYR:N	7	0.12
(2,95)	1:137:A:ARG:O	1:141:A:HIS:H	2	0.12
(2,88)	1:132:A:LEU:O	1:136:A:TYR:N	7	0.12
(2,88)	1:132:A:LEU:O	1:136:A:TYR:N	16	0.12
(2,88)	1:132:A:LEU:O	1:136:A:TYR:N	20	0.12
(2,87)	1:132:A:LEU:O	1:136:A:TYR:H	4	0.12
(2,75)	1:124:A:ASN:O	1:128:A:VAL:H	3	0.12
(2,75)	1:124:A:ASN:O	1:128:A:VAL:H	6	0.12
(2,75)	1:124:A:ASN:O	1:128:A:VAL:H	8	0.12
(2,75)	1:124:A:ASN:O	1:128:A:VAL:H	14	0.12
(2,71)	1:114:A:ILE:O	1:118:A:LEU:H	19	0.12
(2,63)	1:110:A:TYR:O	1:114:A:ILE:H	17	0.12
(2,57)	1:106:A:ASN:O	1:110:A:TYR:H	5	0.12
(2,57)	1:106:A:ASN:O	1:110:A:TYR:H	10	0.12
(2,50)	1:85:A:ILE:O	1:89:A:TYR:H	1	0.12
(2,50)	1:85:A:ILE:O	1:89:A:TYR:H	7	0.12
(2,47)	1:83:A:ASP:O	1:87:A:ARG:N	10	0.12
(2,47)	1:83:A:ASP:O	1:87:A:ARG:N	20	0.12
(2,31)	1:39:A:VAL:O	1:43:A:HIS:H	13	0.12
(2,31)	1:39:A:VAL:O	1:43:A:HIS:H	15	0.12
(2,19)	1:33:A:GLU:O	1:37:A:SER:H	14	0.12
(2,17)	1:32:A:GLU:O	1:36:A:ARG:H	12	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,17)	1:32:A:GLU:O	1:36:A:ARG:H	19	0.12
(2,11)	1:29:A:GLN:O	1:33:A:GLU:H	1	0.12
(2,11)	1:29:A:GLN:O	1:33:A:GLU:H	8	0.12
(2,11)	1:29:A:GLN:O	1:33:A:GLU:H	9	0.12
(2,11)	1:29:A:GLN:O	1:33:A:GLU:H	14	0.12
(2,10)	1:28:A:ALA:O	1:32:A:GLU:N	10	0.12
(2,9)	1:28:A:ALA:O	1:32:A:GLU:H	1	0.12
(2,5)	1:26:A:GLN:O	1:30:A:ASP:H	6	0.12
(1,3095)	1:117:A:SER:H	2:87:B:ALA:HB1	4	0.12
(1,3095)	1:117:A:SER:H	2:87:B:ALA:HB2	4	0.12
(1,3095)	1:117:A:SER:H	2:87:B:ALA:HB3	4	0.12
(1,3095)	1:117:A:SER:H	2:87:B:ALA:HB1	12	0.12
(1,3095)	1:117:A:SER:H	2:87:B:ALA:HB2	12	0.12
(1,3095)	1:117:A:SER:H	2:87:B:ALA:HB3	12	0.12
(1,3086)	1:129:A:VAL:H	2:97:B:NLE:HD2	17	0.12
(1,3086)	1:129:A:VAL:H	2:97:B:NLE:HD3	17	0.12
(1,2983)	1:85:A:ILE:HG21	2:93:B:VAL:HB	14	0.12
(1,2983)	1:85:A:ILE:HG22	2:93:B:VAL:HB	14	0.12
(1,2983)	1:85:A:ILE:HG23	2:93:B:VAL:HB	14	0.12
(1,2975)	1:81:A:ILE:HG21	2:101:B:ILE:HD11	12	0.12
(1,2975)	1:81:A:ILE:HG21	2:101:B:ILE:HD12	12	0.12
(1,2975)	1:81:A:ILE:HG21	2:101:B:ILE:HD13	12	0.12
(1,2975)	1:81:A:ILE:HG22	2:101:B:ILE:HD11	12	0.12
(1,2975)	1:81:A:ILE:HG22	2:101:B:ILE:HD12	12	0.12
(1,2975)	1:81:A:ILE:HG22	2:101:B:ILE:HD13	12	0.12
(1,2975)	1:81:A:ILE:HG23	2:101:B:ILE:HD11	12	0.12
(1,2975)	1:81:A:ILE:HG23	2:101:B:ILE:HD12	12	0.12
(1,2975)	1:81:A:ILE:HG23	2:101:B:ILE:HD13	12	0.12
(1,2975)	1:81:A:ILE:HG21	2:101:B:ILE:HD11	18	0.12
(1,2975)	1:81:A:ILE:HG21	2:101:B:ILE:HD12	18	0.12
(1,2975)	1:81:A:ILE:HG21	2:101:B:ILE:HD13	18	0.12
(1,2975)	1:81:A:ILE:HG22	2:101:B:ILE:HD11	18	0.12
(1,2975)	1:81:A:ILE:HG22	2:101:B:ILE:HD12	18	0.12
(1,2975)	1:81:A:ILE:HG22	2:101:B:ILE:HD13	18	0.12
(1,2975)	1:81:A:ILE:HG23	2:101:B:ILE:HD11	18	0.12
(1,2975)	1:81:A:ILE:HG23	2:101:B:ILE:HD12	18	0.12
(1,2975)	1:81:A:ILE:HG23	2:101:B:ILE:HD13	18	0.12
(1,2966)	1:113:A:LYS:HB3	2:86:B:ILE:HG21	8	0.12
(1,2966)	1:113:A:LYS:HB3	2:86:B:ILE:HG22	8	0.12
(1,2966)	1:113:A:LYS:HB3	2:86:B:ILE:HG23	8	0.12
(1,2953)	1:85:A:ILE:HD11	2:100:B:SER:HB3	6	0.12
(1,2953)	1:85:A:ILE:HD12	2:100:B:SER:HB3	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2953)	1:85:A:ILE:HD13	2:100:B:SER:HB3	6	0.12
(1,2936)	2:99:B:ARG:HB3	2:99:B:ARG:HD3	3	0.12
(1,2928)	2:95:B:ASP:HA	2:98:B:ASP:HB3	19	0.12
(1,2916)	2:90:B:LEU:HB3	2:91:B:ALA:H	2	0.12
(1,2897)	2:85:B:ASN:HA	2:88:B:ARG:HB3	18	0.12
(1,2895)	2:85:B:ASN:H	2:85:B:ASN:HB3	3	0.12
(1,2895)	2:85:B:ASN:H	2:85:B:ASN:HB3	19	0.12
(1,2804)	2:84:B:ARG:HB3	2:85:B:ASN:H	1	0.12
(1,2751)	2:86:B:ILE:H	2:87:B:ALA:H	8	0.12
(1,2701)	2:97:B:NLE:H	2:97:B:NLE:HD2	5	0.12
(1,2701)	2:97:B:NLE:H	2:97:B:NLE:HD3	5	0.12
(1,2690)	2:92:B:MK8:HE	2:96:B:MK8:HD	18	0.12
(1,2690)	2:92:B:MK8:HE	2:96:B:MK8:HDA	18	0.12
(1,2636)	2:90:B:LEU:HA	2:93:B:VAL:HB	20	0.12
(1,2580)	1:37:A:SER:HB3	1:41:A:TYR:HE1	8	0.12
(1,2580)	1:37:A:SER:HB3	1:41:A:TYR:HE2	8	0.12
(1,2564)	1:99:A:HIS:HB3	1:99:A:HIS:HD2	1	0.12
(1,2447)	1:131:A:LEU:HB3	1:119:A:PHE:HE1	14	0.12
(1,2447)	1:131:A:LEU:HB3	1:119:A:PHE:HE2	14	0.12
(1,2398)	1:37:A:SER:HB3	1:40:A:PHE:HD1	18	0.12
(1,2398)	1:37:A:SER:HB3	1:40:A:PHE:HD2	18	0.12
(1,2365)	2:93:B:VAL:HG21	1:89:A:TYR:HD1	17	0.12
(1,2365)	2:93:B:VAL:HG21	1:89:A:TYR:HD2	17	0.12
(1,2365)	2:93:B:VAL:HG22	1:89:A:TYR:HD1	17	0.12
(1,2365)	2:93:B:VAL:HG22	1:89:A:TYR:HD2	17	0.12
(1,2365)	2:93:B:VAL:HG23	1:89:A:TYR:HD1	17	0.12
(1,2365)	2:93:B:VAL:HG23	1:89:A:TYR:HD2	17	0.12
(1,2352)	1:44:A:GLN:HB3	1:41:A:TYR:HD1	9	0.12
(1,2352)	1:44:A:GLN:HB3	1:41:A:TYR:HD2	9	0.12
(1,2241)	1:28:A:ALA:H	1:168:A:ALA:HB1	20	0.12
(1,2241)	1:28:A:ALA:H	1:168:A:ALA:HB2	20	0.12
(1,2241)	1:28:A:ALA:H	1:168:A:ALA:HB3	20	0.12
(1,2206)	1:129:A:VAL:HB	1:130:A:ALA:HB1	3	0.12
(1,2206)	1:129:A:VAL:HB	1:130:A:ALA:HB2	3	0.12
(1,2206)	1:129:A:VAL:HB	1:130:A:ALA:HB3	3	0.12
(1,2206)	1:129:A:VAL:HB	1:130:A:ALA:HB1	10	0.12
(1,2206)	1:129:A:VAL:HB	1:130:A:ALA:HB2	10	0.12
(1,2206)	1:129:A:VAL:HB	1:130:A:ALA:HB3	10	0.12
(1,2206)	1:129:A:VAL:HB	1:130:A:ALA:HB1	17	0.12
(1,2206)	1:129:A:VAL:HB	1:130:A:ALA:HB2	17	0.12
(1,2206)	1:129:A:VAL:HB	1:130:A:ALA:HB3	17	0.12
(1,2201)	1:97:A:LEU:HA	1:96:A:MET:HE1	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2201)	1:97:A:LEU:HA	1:96:A:MET:HE2	6	0.12
(1,2201)	1:97:A:LEU:HA	1:96:A:MET:HE3	6	0.12
(1,2056)	1:160:A:ASP:H	1:158:A:VAL:HG21	17	0.12
(1,2056)	1:160:A:ASP:H	1:158:A:VAL:HG22	17	0.12
(1,2056)	1:160:A:ASP:H	1:158:A:VAL:HG23	17	0.12
(1,2016)	1:32:A:GLU:H	1:159:A:VAL:HG11	16	0.12
(1,2016)	1:32:A:GLU:H	1:159:A:VAL:HG12	16	0.12
(1,2016)	1:32:A:GLU:H	1:159:A:VAL:HG13	16	0.12
(1,1960)	1:177:A:TRP:HE3	1:74:A:VAL:HG21	20	0.12
(1,1960)	1:177:A:TRP:HE3	1:74:A:VAL:HG22	20	0.12
(1,1960)	1:177:A:TRP:HE3	1:74:A:VAL:HG23	20	0.12
(1,1952)	1:35:A:PHE:HB3	1:31:A:THR:HG21	15	0.12
(1,1952)	1:35:A:PHE:HB3	1:31:A:THR:HG22	15	0.12
(1,1952)	1:35:A:PHE:HB3	1:31:A:THR:HG23	15	0.12
(1,1899)	2:101:B:ILE:HD11	1:183:A:LEU:HD21	9	0.12
(1,1899)	2:101:B:ILE:HD11	1:183:A:LEU:HD22	9	0.12
(1,1899)	2:101:B:ILE:HD11	1:183:A:LEU:HD23	9	0.12
(1,1899)	2:101:B:ILE:HD12	1:183:A:LEU:HD21	9	0.12
(1,1899)	2:101:B:ILE:HD12	1:183:A:LEU:HD22	9	0.12
(1,1899)	2:101:B:ILE:HD12	1:183:A:LEU:HD23	9	0.12
(1,1899)	2:101:B:ILE:HD13	1:183:A:LEU:HD21	9	0.12
(1,1899)	2:101:B:ILE:HD13	1:183:A:LEU:HD22	9	0.12
(1,1899)	2:101:B:ILE:HD13	1:183:A:LEU:HD23	9	0.12
(1,1899)	2:101:B:ILE:HD11	1:183:A:LEU:HD21	11	0.12
(1,1899)	2:101:B:ILE:HD11	1:183:A:LEU:HD22	11	0.12
(1,1899)	2:101:B:ILE:HD11	1:183:A:LEU:HD23	11	0.12
(1,1899)	2:101:B:ILE:HD12	1:183:A:LEU:HD21	11	0.12
(1,1899)	2:101:B:ILE:HD12	1:183:A:LEU:HD22	11	0.12
(1,1899)	2:101:B:ILE:HD12	1:183:A:LEU:HD23	11	0.12
(1,1899)	2:101:B:ILE:HD13	1:183:A:LEU:HD21	11	0.12
(1,1899)	2:101:B:ILE:HD13	1:183:A:LEU:HD22	11	0.12
(1,1899)	2:101:B:ILE:HD13	1:183:A:LEU:HD23	11	0.12
(1,1899)	2:101:B:ILE:HD11	1:183:A:LEU:HD21	16	0.12
(1,1899)	2:101:B:ILE:HD11	1:183:A:LEU:HD22	16	0.12
(1,1899)	2:101:B:ILE:HD11	1:183:A:LEU:HD23	16	0.12
(1,1899)	2:101:B:ILE:HD12	1:183:A:LEU:HD21	16	0.12
(1,1899)	2:101:B:ILE:HD12	1:183:A:LEU:HD22	16	0.12
(1,1899)	2:101:B:ILE:HD12	1:183:A:LEU:HD23	16	0.12
(1,1899)	2:101:B:ILE:HD13	1:183:A:LEU:HD21	16	0.12
(1,1899)	2:101:B:ILE:HD13	1:183:A:LEU:HD22	16	0.12
(1,1899)	2:101:B:ILE:HD13	1:183:A:LEU:HD23	16	0.12
(1,1874)	1:65:A:LEU:HD11	1:63:A:LEU:HD11	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1874)	1:65:A:LEU:HD11	1:63:A:LEU:HD12	13	0.12
(1,1874)	1:65:A:LEU:HD11	1:63:A:LEU:HD13	13	0.12
(1,1874)	1:65:A:LEU:HD12	1:63:A:LEU:HD11	13	0.12
(1,1874)	1:65:A:LEU:HD12	1:63:A:LEU:HD12	13	0.12
(1,1874)	1:65:A:LEU:HD12	1:63:A:LEU:HD13	13	0.12
(1,1874)	1:65:A:LEU:HD13	1:63:A:LEU:HD11	13	0.12
(1,1874)	1:65:A:LEU:HD13	1:63:A:LEU:HD12	13	0.12
(1,1874)	1:65:A:LEU:HD13	1:63:A:LEU:HD13	13	0.12
(1,1874)	1:65:A:LEU:HD21	1:63:A:LEU:HD11	13	0.12
(1,1874)	1:65:A:LEU:HD21	1:63:A:LEU:HD12	13	0.12
(1,1874)	1:65:A:LEU:HD21	1:63:A:LEU:HD13	13	0.12
(1,1874)	1:65:A:LEU:HD22	1:63:A:LEU:HD11	13	0.12
(1,1874)	1:65:A:LEU:HD22	1:63:A:LEU:HD12	13	0.12
(1,1874)	1:65:A:LEU:HD22	1:63:A:LEU:HD13	13	0.12
(1,1874)	1:65:A:LEU:HD23	1:63:A:LEU:HD11	13	0.12
(1,1874)	1:65:A:LEU:HD23	1:63:A:LEU:HD12	13	0.12
(1,1874)	1:65:A:LEU:HD23	1:63:A:LEU:HD13	13	0.12
(1,1859)	1:102:A:PRO:HD3	1:100:A:LEU:HD11	8	0.12
(1,1859)	1:102:A:PRO:HD3	1:100:A:LEU:HD12	8	0.12
(1,1859)	1:102:A:PRO:HD3	1:100:A:LEU:HD13	8	0.12
(1,1859)	1:102:A:PRO:HD3	1:100:A:LEU:HD11	16	0.12
(1,1859)	1:102:A:PRO:HD3	1:100:A:LEU:HD12	16	0.12
(1,1859)	1:102:A:PRO:HD3	1:100:A:LEU:HD13	16	0.12
(1,1768)	1:97:A:LEU:H	1:97:A:LEU:HG	16	0.12
(1,1760)	1:68:A:SER:H	1:67:A:PRO:HG3	2	0.12
(1,1760)	1:68:A:SER:H	1:67:A:PRO:HG3	6	0.12
(1,1760)	1:68:A:SER:H	1:67:A:PRO:HG3	7	0.12
(1,1760)	1:68:A:SER:H	1:67:A:PRO:HG3	9	0.12
(1,1760)	1:68:A:SER:H	1:67:A:PRO:HG3	10	0.12
(1,1760)	1:68:A:SER:H	1:67:A:PRO:HG3	13	0.12
(1,1760)	1:68:A:SER:H	1:67:A:PRO:HG3	15	0.12
(1,1760)	1:68:A:SER:H	1:67:A:PRO:HG3	16	0.12
(1,1760)	1:68:A:SER:H	1:67:A:PRO:HG3	17	0.12
(1,1760)	1:68:A:SER:H	1:67:A:PRO:HG3	20	0.12
(1,1743)	1:137:A:ARG:HA	1:137:A:ARG:HG3	9	0.12
(1,1738)	1:77:A:GLN:HE22	1:77:A:GLN:HB3	9	0.12
(1,1721)	1:165:A:HIS:HD2	1:167:A:ILE:HG13	7	0.12
(1,1707)	1:94:A:GLN:HE22	1:94:A:GLN:HB3	16	0.12
(1,1534)	1:160:A:ASP:H	1:159:A:VAL:HB	6	0.12
(1,1521)	1:81:A:ILE:HG21	1:77:A:GLN:HG3	2	0.12
(1,1521)	1:81:A:ILE:HG22	1:77:A:GLN:HG3	2	0.12
(1,1521)	1:81:A:ILE:HG23	1:77:A:GLN:HG3	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1494)	1:44:A:GLN:HB3	1:44:A:GLN:HG3	9	0.12
(1,1481)	1:45:A:GLN:H	1:45:A:GLN:HG3	16	0.12
(1,1428)	1:31:A:THR:HB	1:32:A:GLU:HG3	10	0.12
(1,1419)	1:116:A:THR:HA	1:120:A:GLU:HG3	15	0.12
(1,1296)	1:84:A:ASP:H	1:84:A:ASP:HB3	9	0.12
(1,1157)	1:36:A:ARG:HG3	1:36:A:ARG:HD3	17	0.12
(1,1145)	1:174:A:ARG:H	1:175:A:GLY:HA3	4	0.12
(1,1145)	1:174:A:ARG:H	1:175:A:GLY:HA3	6	0.12
(1,1145)	1:174:A:ARG:H	1:175:A:GLY:HA3	8	0.12
(1,1145)	1:174:A:ARG:H	1:175:A:GLY:HA3	12	0.12
(1,1145)	1:174:A:ARG:H	1:175:A:GLY:HA3	17	0.12
(1,1108)	1:38:A:TYR:H	1:75:A:GLY:HA2	6	0.12
(1,1088)	1:65:A:LEU:H	1:64:A:PRO:HD3	8	0.12
(1,1003)	1:182:A:ASN:HA	1:181:A:LEU:HA	13	0.12
(1,965)	1:84:A:ASP:HB3	1:84:A:ASP:HA	2	0.12
(1,948)	1:144:A:GLN:HG3	1:144:A:GLN:HA	4	0.12
(1,927)	1:141:A:HIS:HB3	1:138:A:LEU:HA	6	0.12
(1,879)	1:28:A:ALA:H	1:25:A:GLU:HA	2	0.12
(1,868)	1:25:A:GLU:HG3	1:25:A:GLU:HA	1	0.12
(1,813)	1:92:A:GLU:HG3	1:91:A:SER:HB3	11	0.12
(1,802)	1:91:A:SER:HB3	1:91:A:SER:HA	9	0.12
(1,766)	1:38:A:TYR:H	1:37:A:SER:HB3	3	0.12
(1,757)	1:41:A:TYR:HE1	1:41:A:TYR:HA	3	0.12
(1,757)	1:41:A:TYR:HE2	1:41:A:TYR:HA	3	0.12
(1,674)	1:74:A:VAL:HG21	1:34:A:VAL:HA	14	0.12
(1,674)	1:74:A:VAL:HG22	1:34:A:VAL:HA	14	0.12
(1,674)	1:74:A:VAL:HG23	1:34:A:VAL:HA	14	0.12
(1,657)	1:35:A:PHE:H	1:31:A:THR:HA	19	0.12
(1,531)	1:23:A:SER:H	1:26:A:GLN:HE22	6	0.12
(1,509)	1:77:A:GLN:HB3	1:77:A:GLN:HE21	11	0.12
(1,499)	1:119:A:PHE:HD1	1:116:A:THR:H	14	0.12
(1,499)	1:119:A:PHE:HD2	1:116:A:THR:H	14	0.12
(1,490)	1:164:A:HIS:HB3	1:164:A:HIS:H	20	0.12
(1,410)	1:94:A:GLN:HE22	1:95:A:THR:H	10	0.12
(1,379)	1:50:A:GLU:HB3	1:50:A:GLU:H	8	0.12
(1,378)	1:50:A:GLU:HG3	1:50:A:GLU:H	1	0.12
(1,336)	1:127:A:ARG:HB3	1:124:A:ASN:H	15	0.12
(1,234)	1:163:A:LEU:HB3	1:163:A:LEU:H	12	0.12
(1,234)	1:163:A:LEU:HB3	1:163:A:LEU:H	14	0.12
(1,234)	1:163:A:LEU:HB3	1:163:A:LEU:H	17	0.12
(1,154)	1:32:A:GLU:HG3	1:32:A:GLU:H	1	0.12
(1,154)	1:32:A:GLU:HG3	1:32:A:GLU:H	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,26)	1:23:A:SER:HB3	1:24:A:GLU:H	5	0.12
(1,17)	1:52:A:VAL:HB	1:53:A:ALA:H	3	0.12
(2,160)	1:159:A:VAL:O	1:163:A:LEU:N	20	0.11
(2,153)	1:134:A:PHE:O	1:138:A:LEU:N	18	0.11
(2,152)	1:131:A:LEU:O	1:135:A:GLY:N	3	0.11
(2,152)	1:131:A:LEU:O	1:135:A:GLY:N	4	0.11
(2,152)	1:131:A:LEU:O	1:135:A:GLY:N	5	0.11
(2,152)	1:131:A:LEU:O	1:135:A:GLY:N	13	0.11
(2,152)	1:131:A:LEU:O	1:135:A:GLY:N	16	0.11
(2,146)	1:107:A:ALA:O	1:111:A:PHE:N	11	0.11
(2,144)	1:94:A:GLN:O	1:98:A:GLN:N	18	0.11
(2,142)	1:84:A:ASP:O	1:88:A:ARG:N	3	0.11
(2,141)	1:82:A:GLY:O	1:86:A:ASN:N	10	0.11
(2,140)	1:78:A:LEU:O	1:82:A:GLY:N	11	0.11
(2,139)	1:40:A:PHE:O	1:44:A:GLN:N	10	0.11
(2,139)	1:40:A:PHE:O	1:44:A:GLN:N	12	0.11
(2,137)	1:38:A:TYR:O	1:42:A:ARG:N	8	0.11
(2,136)	1:37:A:SER:O	1:41:A:TYR:N	17	0.11
(2,134)	1:34:A:VAL:O	1:38:A:TYR:N	18	0.11
(2,131)	1:31:A:THR:O	1:35:A:PHE:N	20	0.11
(2,130)	1:30:A:ASP:O	1:34:A:VAL:N	15	0.11
(2,125)	1:170:A:TRP:O	1:174:A:ARG:H	6	0.11
(2,125)	1:170:A:TRP:O	1:174:A:ARG:H	16	0.11
(2,121)	1:168:A:ALA:O	1:172:A:ALA:H	5	0.11
(2,117)	1:159:A:VAL:O	1:163:A:LEU:H	10	0.11
(2,113)	1:157:A:PHE:O	1:161:A:PHE:H	8	0.11
(2,106)	1:153:A:GLN:O	1:157:A:PHE:N	3	0.11
(2,99)	1:150:A:PHE:O	1:154:A:VAL:H	3	0.11
(2,97)	1:139:A:ALA:O	1:143:A:TYR:H	6	0.11
(2,97)	1:139:A:ALA:O	1:143:A:TYR:H	20	0.11
(2,95)	1:137:A:ARG:O	1:141:A:HIS:H	12	0.11
(2,92)	1:135:A:GLY:O	1:139:A:ALA:N	12	0.11
(2,92)	1:135:A:GLY:O	1:139:A:ALA:N	19	0.11
(2,91)	1:135:A:GLY:O	1:139:A:ALA:H	2	0.11
(2,91)	1:135:A:GLY:O	1:139:A:ALA:H	20	0.11
(2,88)	1:132:A:LEU:O	1:136:A:TYR:N	1	0.11
(2,88)	1:132:A:LEU:O	1:136:A:TYR:N	18	0.11
(2,85)	1:131:A:LEU:O	1:135:A:GLY:H	4	0.11
(2,85)	1:131:A:LEU:O	1:135:A:GLY:H	12	0.11
(2,83)	1:130:A:ALA:O	1:134:A:PHE:H	1	0.11
(2,81)	1:129:A:VAL:O	1:133:A:GLY:H	9	0.11
(2,81)	1:129:A:VAL:O	1:133:A:GLY:H	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,81)	1:129:A:VAL:O	1:133:A:GLY:H	20	0.11
(2,79)	1:127:A:ARG:O	1:131:A:LEU:H	6	0.11
(2,79)	1:127:A:ARG:O	1:131:A:LEU:H	8	0.11
(2,79)	1:127:A:ARG:O	1:131:A:LEU:H	14	0.11
(2,78)	1:126:A:GLY:O	1:130:A:ALA:N	1	0.11
(2,77)	1:126:A:GLY:O	1:130:A:ALA:H	8	0.11
(2,77)	1:126:A:GLY:O	1:130:A:ALA:H	11	0.11
(2,77)	1:126:A:GLY:O	1:130:A:ALA:H	19	0.11
(2,75)	1:124:A:ASN:O	1:128:A:VAL:H	1	0.11
(2,63)	1:110:A:TYR:O	1:114:A:ILE:H	3	0.11
(2,63)	1:110:A:TYR:O	1:114:A:ILE:H	11	0.11
(2,63)	1:110:A:TYR:O	1:114:A:ILE:H	14	0.11
(2,63)	1:110:A:TYR:O	1:114:A:ILE:H	16	0.11
(2,63)	1:110:A:TYR:O	1:114:A:ILE:H	19	0.11
(2,57)	1:106:A:ASN:O	1:110:A:TYR:H	18	0.11
(2,57)	1:106:A:ASN:O	1:110:A:TYR:H	20	0.11
(2,54)	1:93:A:PHE:O	1:97:A:LEU:N	4	0.11
(2,53)	1:93:A:PHE:O	1:97:A:LEU:H	14	0.11
(2,50)	1:85:A:ILE:O	1:89:A:TYR:H	12	0.11
(2,47)	1:83:A:ASP:O	1:87:A:ARG:N	4	0.11
(2,47)	1:83:A:ASP:O	1:87:A:ARG:N	13	0.11
(2,43)	1:78:A:LEU:O	1:82:A:GLY:H	1	0.11
(2,31)	1:39:A:VAL:O	1:43:A:HIS:H	9	0.11
(2,25)	1:36:A:ARG:O	1:40:A:PHE:H	18	0.11
(2,19)	1:33:A:GLU:O	1:37:A:SER:H	4	0.11
(2,17)	1:32:A:GLU:O	1:36:A:ARG:H	6	0.11
(2,17)	1:32:A:GLU:O	1:36:A:ARG:H	8	0.11
(2,17)	1:32:A:GLU:O	1:36:A:ARG:H	9	0.11
(2,17)	1:32:A:GLU:O	1:36:A:ARG:H	11	0.11
(2,17)	1:32:A:GLU:O	1:36:A:ARG:H	16	0.11
(2,12)	1:29:A:GLN:O	1:33:A:GLU:N	16	0.11
(2,11)	1:29:A:GLN:O	1:33:A:GLU:H	6	0.11
(2,11)	1:29:A:GLN:O	1:33:A:GLU:H	13	0.11
(2,11)	1:29:A:GLN:O	1:33:A:GLU:H	19	0.11
(2,10)	1:28:A:ALA:O	1:32:A:GLU:N	3	0.11
(2,9)	1:28:A:ALA:O	1:32:A:GLU:H	4	0.11
(2,9)	1:28:A:ALA:O	1:32:A:GLU:H	9	0.11
(2,9)	1:28:A:ALA:O	1:32:A:GLU:H	16	0.11
(2,9)	1:28:A:ALA:O	1:32:A:GLU:H	19	0.11
(2,5)	1:26:A:GLN:O	1:30:A:ASP:H	17	0.11
(2,5)	1:26:A:GLN:O	1:30:A:ASP:H	19	0.11
(1,3095)	1:117:A:SER:H	2:87:B:ALA:HB1	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3095)	1:117:A:SER:H	2:87:B:ALA:HB2	1	0.11
(1,3095)	1:117:A:SER:H	2:87:B:ALA:HB3	1	0.11
(1,3094)	1:184:A:GLY:H	2:101:B:ILE:HB	9	0.11
(1,3083)	1:126:A:GLY:H	2:101:B:ILE:HG21	8	0.11
(1,3083)	1:126:A:GLY:H	2:101:B:ILE:HG22	8	0.11
(1,3083)	1:126:A:GLY:H	2:101:B:ILE:HG23	8	0.11
(1,3078)	1:114:A:ILE:H	2:86:B:ILE:HD11	5	0.11
(1,3078)	1:114:A:ILE:H	2:86:B:ILE:HD12	5	0.11
(1,3078)	1:114:A:ILE:H	2:86:B:ILE:HD13	5	0.11
(1,3065)	1:114:A:ILE:HD11	2:86:B:ILE:HG13	2	0.11
(1,3065)	1:114:A:ILE:HD12	2:86:B:ILE:HG13	2	0.11
(1,3065)	1:114:A:ILE:HD13	2:86:B:ILE:HG13	2	0.11
(1,3065)	1:114:A:ILE:HD11	2:86:B:ILE:HG13	20	0.11
(1,3065)	1:114:A:ILE:HD12	2:86:B:ILE:HG13	20	0.11
(1,3065)	1:114:A:ILE:HD13	2:86:B:ILE:HG13	20	0.11
(1,3049)	1:97:A:LEU:HD11	2:86:B:ILE:HG21	11	0.11
(1,3049)	1:97:A:LEU:HD11	2:86:B:ILE:HG22	11	0.11
(1,3049)	1:97:A:LEU:HD11	2:86:B:ILE:HG23	11	0.11
(1,3049)	1:97:A:LEU:HD12	2:86:B:ILE:HG21	11	0.11
(1,3049)	1:97:A:LEU:HD12	2:86:B:ILE:HG22	11	0.11
(1,3049)	1:97:A:LEU:HD12	2:86:B:ILE:HG23	11	0.11
(1,3049)	1:97:A:LEU:HD13	2:86:B:ILE:HG21	11	0.11
(1,3049)	1:97:A:LEU:HD13	2:86:B:ILE:HG22	11	0.11
(1,3049)	1:97:A:LEU:HD13	2:86:B:ILE:HG23	11	0.11
(1,3049)	1:97:A:LEU:HD21	2:86:B:ILE:HG21	11	0.11
(1,3049)	1:97:A:LEU:HD21	2:86:B:ILE:HG22	11	0.11
(1,3049)	1:97:A:LEU:HD21	2:86:B:ILE:HG23	11	0.11
(1,3049)	1:97:A:LEU:HD22	2:86:B:ILE:HG21	11	0.11
(1,3049)	1:97:A:LEU:HD22	2:86:B:ILE:HG22	11	0.11
(1,3049)	1:97:A:LEU:HD22	2:86:B:ILE:HG23	11	0.11
(1,3049)	1:97:A:LEU:HD23	2:86:B:ILE:HG21	11	0.11
(1,3049)	1:97:A:LEU:HD23	2:86:B:ILE:HG22	11	0.11
(1,3049)	1:97:A:LEU:HD23	2:86:B:ILE:HG23	11	0.11
(1,3019)	1:114:A:ILE:HG21	2:87:B:ALA:H	13	0.11
(1,3019)	1:114:A:ILE:HG22	2:87:B:ALA:H	13	0.11
(1,3019)	1:114:A:ILE:HG23	2:87:B:ALA:H	13	0.11
(1,3010)	1:100:A:LEU:HD21	2:82:B:ILE:HB	1	0.11
(1,3010)	1:100:A:LEU:HD22	2:82:B:ILE:HB	1	0.11
(1,3010)	1:100:A:LEU:HD23	2:82:B:ILE:HB	1	0.11
(1,2983)	1:85:A:ILE:HG21	2:93:B:VAL:HB	1	0.11
(1,2983)	1:85:A:ILE:HG22	2:93:B:VAL:HB	1	0.11
(1,2983)	1:85:A:ILE:HG23	2:93:B:VAL:HB	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2983)	1:85:A:ILE:HG21	2:93:B:VAL:HB	11	0.11
(1,2983)	1:85:A:ILE:HG22	2:93:B:VAL:HB	11	0.11
(1,2983)	1:85:A:ILE:HG23	2:93:B:VAL:HB	11	0.11
(1,2979)	1:81:A:ILE:HG21	2:101:B:ILE:HG13	9	0.11
(1,2979)	1:81:A:ILE:HG22	2:101:B:ILE:HG13	9	0.11
(1,2979)	1:81:A:ILE:HG23	2:101:B:ILE:HG13	9	0.11
(1,2975)	1:81:A:ILE:HG21	2:101:B:ILE:HD11	13	0.11
(1,2975)	1:81:A:ILE:HG21	2:101:B:ILE:HD12	13	0.11
(1,2975)	1:81:A:ILE:HG21	2:101:B:ILE:HD13	13	0.11
(1,2975)	1:81:A:ILE:HG22	2:101:B:ILE:HD11	13	0.11
(1,2975)	1:81:A:ILE:HG22	2:101:B:ILE:HD12	13	0.11
(1,2975)	1:81:A:ILE:HG22	2:101:B:ILE:HD13	13	0.11
(1,2975)	1:81:A:ILE:HG23	2:101:B:ILE:HD11	13	0.11
(1,2975)	1:81:A:ILE:HG23	2:101:B:ILE:HD12	13	0.11
(1,2975)	1:81:A:ILE:HG23	2:101:B:ILE:HD13	13	0.11
(1,2975)	1:81:A:ILE:HG21	2:101:B:ILE:HD11	14	0.11
(1,2975)	1:81:A:ILE:HG21	2:101:B:ILE:HD12	14	0.11
(1,2975)	1:81:A:ILE:HG21	2:101:B:ILE:HD13	14	0.11
(1,2975)	1:81:A:ILE:HG22	2:101:B:ILE:HD11	14	0.11
(1,2975)	1:81:A:ILE:HG22	2:101:B:ILE:HD12	14	0.11
(1,2975)	1:81:A:ILE:HG22	2:101:B:ILE:HD13	14	0.11
(1,2975)	1:81:A:ILE:HG23	2:101:B:ILE:HD11	14	0.11
(1,2975)	1:81:A:ILE:HG23	2:101:B:ILE:HD12	14	0.11
(1,2975)	1:81:A:ILE:HG23	2:101:B:ILE:HD13	14	0.11
(1,2975)	1:81:A:ILE:HG21	2:101:B:ILE:HD11	15	0.11
(1,2975)	1:81:A:ILE:HG21	2:101:B:ILE:HD12	15	0.11
(1,2975)	1:81:A:ILE:HG21	2:101:B:ILE:HD13	15	0.11
(1,2975)	1:81:A:ILE:HG22	2:101:B:ILE:HD11	15	0.11
(1,2975)	1:81:A:ILE:HG22	2:101:B:ILE:HD12	15	0.11
(1,2975)	1:81:A:ILE:HG22	2:101:B:ILE:HD13	15	0.11
(1,2975)	1:81:A:ILE:HG23	2:101:B:ILE:HD11	15	0.11
(1,2975)	1:81:A:ILE:HG23	2:101:B:ILE:HD12	15	0.11
(1,2975)	1:81:A:ILE:HG23	2:101:B:ILE:HD13	15	0.11
(1,2964)	1:129:A:VAL:HG11	2:97:B:NLE:HE1	1	0.11
(1,2964)	1:129:A:VAL:HG12	2:97:B:NLE:HE1	1	0.11
(1,2964)	1:129:A:VAL:HG13	2:97:B:NLE:HE1	1	0.11
(1,2897)	2:85:B:ASN:HA	2:88:B:ARG:HB3	10	0.11
(1,2875)	2:81:B:ASP:HA	2:84:B:ARG:H	7	0.11
(1,2871)	2:97:B:NLE:HG2	2:98:B:ASP:H	19	0.11
(1,2871)	2:97:B:NLE:HG3	2:98:B:ASP:H	19	0.11
(1,2858)	2:80:B:GLU:HA	2:83:B:ILE:HB	13	0.11
(1,2851)	2:88:B:ARG:HB3	2:88:B:ARG:HG3	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2847)	2:95:B:ASP:HA	2:99:B:ARG:H	10	0.11
(1,2847)	2:95:B:ASP:HA	2:99:B:ARG:H	17	0.11
(1,2812)	2:97:B:NLE:HB2	2:101:B:ILE:HG21	8	0.11
(1,2812)	2:97:B:NLE:HB2	2:101:B:ILE:HG22	8	0.11
(1,2812)	2:97:B:NLE:HB2	2:101:B:ILE:HG23	8	0.11
(1,2812)	2:97:B:NLE:HB3	2:101:B:ILE:HG21	8	0.11
(1,2812)	2:97:B:NLE:HB3	2:101:B:ILE:HG22	8	0.11
(1,2812)	2:97:B:NLE:HB3	2:101:B:ILE:HG23	8	0.11
(1,2802)	2:84:B:ARG:H	2:84:B:ARG:HB3	1	0.11
(1,2795)	2:88:B:ARG:HA	2:91:B:ALA:H	8	0.11
(1,2794)	2:91:B:ALA:H	2:92:B:MK8:H	9	0.11
(1,2791)	2:81:B:ASP:HA	2:84:B:ARG:HD3	17	0.11
(1,2757)	2:99:B:ARG:HA	2:99:B:ARG:HD3	8	0.11
(1,2690)	2:92:B:MK8:HE	2:96:B:MK8:HD	11	0.11
(1,2690)	2:92:B:MK8:HE	2:96:B:MK8:HDA	11	0.11
(1,2690)	2:92:B:MK8:HE	2:96:B:MK8:HD	13	0.11
(1,2690)	2:92:B:MK8:HE	2:96:B:MK8:HDA	13	0.11
(1,2690)	2:92:B:MK8:HE	2:96:B:MK8:HD	19	0.11
(1,2690)	2:92:B:MK8:HE	2:96:B:MK8:HDA	19	0.11
(1,2564)	1:99:A:HIS:HB3	1:99:A:HIS:HD2	15	0.11
(1,2495)	1:128:A:VAL:HG21	1:119:A:PHE:HZ	6	0.11
(1,2495)	1:128:A:VAL:HG22	1:119:A:PHE:HZ	6	0.11
(1,2495)	1:128:A:VAL:HG23	1:119:A:PHE:HZ	6	0.11
(1,2495)	1:128:A:VAL:HG21	1:119:A:PHE:HZ	8	0.11
(1,2495)	1:128:A:VAL:HG22	1:119:A:PHE:HZ	8	0.11
(1,2495)	1:128:A:VAL:HG23	1:119:A:PHE:HZ	8	0.11
(1,2407)	1:143:A:TYR:H	1:143:A:TYR:HD1	4	0.11
(1,2407)	1:143:A:TYR:H	1:143:A:TYR:HD2	4	0.11
(1,2383)	1:104:A:ALA:HA	1:150:A:PHE:HD1	5	0.11
(1,2383)	1:104:A:ALA:HA	1:150:A:PHE:HD2	5	0.11
(1,2382)	1:147:A:LEU:HD21	1:150:A:PHE:HD1	13	0.11
(1,2382)	1:147:A:LEU:HD21	1:150:A:PHE:HD2	13	0.11
(1,2382)	1:147:A:LEU:HD22	1:150:A:PHE:HD1	13	0.11
(1,2382)	1:147:A:LEU:HD22	1:150:A:PHE:HD2	13	0.11
(1,2382)	1:147:A:LEU:HD23	1:150:A:PHE:HD1	13	0.11
(1,2382)	1:147:A:LEU:HD23	1:150:A:PHE:HD2	13	0.11
(1,2324)	2:98:B:ASP:H	1:85:A:ILE:HD11	10	0.11
(1,2324)	2:98:B:ASP:H	1:85:A:ILE:HD12	10	0.11
(1,2324)	2:98:B:ASP:H	1:85:A:ILE:HD13	10	0.11
(1,2222)	1:169:A:ARG:HD3	1:172:A:ALA:HB1	4	0.11
(1,2222)	1:169:A:ARG:HD3	1:172:A:ALA:HB2	4	0.11
(1,2222)	1:169:A:ARG:HD3	1:172:A:ALA:HB3	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2133)	1:159:A:VAL:HG21	1:28:A:ALA:HB1	7	0.11
(1,2133)	1:159:A:VAL:HG21	1:28:A:ALA:HB2	7	0.11
(1,2133)	1:159:A:VAL:HG21	1:28:A:ALA:HB3	7	0.11
(1,2133)	1:159:A:VAL:HG22	1:28:A:ALA:HB1	7	0.11
(1,2133)	1:159:A:VAL:HG22	1:28:A:ALA:HB2	7	0.11
(1,2133)	1:159:A:VAL:HG22	1:28:A:ALA:HB3	7	0.11
(1,2133)	1:159:A:VAL:HG23	1:28:A:ALA:HB1	7	0.11
(1,2133)	1:159:A:VAL:HG23	1:28:A:ALA:HB2	7	0.11
(1,2133)	1:159:A:VAL:HG23	1:28:A:ALA:HB3	7	0.11
(1,2056)	1:160:A:ASP:H	1:158:A:VAL:HG21	14	0.11
(1,2056)	1:160:A:ASP:H	1:158:A:VAL:HG22	14	0.11
(1,2056)	1:160:A:ASP:H	1:158:A:VAL:HG23	14	0.11
(1,1960)	1:177:A:TRP:HE3	1:74:A:VAL:HG21	6	0.11
(1,1960)	1:177:A:TRP:HE3	1:74:A:VAL:HG22	6	0.11
(1,1960)	1:177:A:TRP:HE3	1:74:A:VAL:HG23	6	0.11
(1,1923)	1:147:A:LEU:HA	1:147:A:LEU:HD11	4	0.11
(1,1923)	1:147:A:LEU:HA	1:147:A:LEU:HD12	4	0.11
(1,1923)	1:147:A:LEU:HA	1:147:A:LEU:HD13	4	0.11
(1,1893)	1:147:A:LEU:H	1:147:A:LEU:HD21	5	0.11
(1,1893)	1:147:A:LEU:H	1:147:A:LEU:HD22	5	0.11
(1,1893)	1:147:A:LEU:H	1:147:A:LEU:HD23	5	0.11
(1,1857)	1:138:A:LEU:HD11	1:97:A:LEU:HD21	13	0.11
(1,1857)	1:138:A:LEU:HD11	1:97:A:LEU:HD22	13	0.11
(1,1857)	1:138:A:LEU:HD11	1:97:A:LEU:HD23	13	0.11
(1,1857)	1:138:A:LEU:HD12	1:97:A:LEU:HD21	13	0.11
(1,1857)	1:138:A:LEU:HD12	1:97:A:LEU:HD22	13	0.11
(1,1857)	1:138:A:LEU:HD12	1:97:A:LEU:HD23	13	0.11
(1,1857)	1:138:A:LEU:HD13	1:97:A:LEU:HD21	13	0.11
(1,1857)	1:138:A:LEU:HD13	1:97:A:LEU:HD22	13	0.11
(1,1857)	1:138:A:LEU:HD13	1:97:A:LEU:HD23	13	0.11
(1,1857)	1:138:A:LEU:HD21	1:97:A:LEU:HD21	13	0.11
(1,1857)	1:138:A:LEU:HD21	1:97:A:LEU:HD22	13	0.11
(1,1857)	1:138:A:LEU:HD21	1:97:A:LEU:HD23	13	0.11
(1,1857)	1:138:A:LEU:HD22	1:97:A:LEU:HD21	13	0.11
(1,1857)	1:138:A:LEU:HD22	1:97:A:LEU:HD22	13	0.11
(1,1857)	1:138:A:LEU:HD22	1:97:A:LEU:HD23	13	0.11
(1,1857)	1:138:A:LEU:HD23	1:97:A:LEU:HD21	13	0.11
(1,1857)	1:138:A:LEU:HD23	1:97:A:LEU:HD22	13	0.11
(1,1857)	1:138:A:LEU:HD23	1:97:A:LEU:HD23	13	0.11
(1,1796)	1:169:A:ARG:HA	1:169:A:ARG:HG3	7	0.11
(1,1760)	1:68:A:SER:H	1:67:A:PRO:HG3	8	0.11
(1,1760)	1:68:A:SER:H	1:67:A:PRO:HG3	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1760)	1:68:A:SER:H	1:67:A:PRO:HG3	12	0.11
(1,1713)	1:137:A:ARG:HB3	1:137:A:ARG:HG3	4	0.11
(1,1713)	1:137:A:ARG:HB3	1:137:A:ARG:HG3	10	0.11
(1,1654)	1:159:A:VAL:HG11	1:32:A:GLU:HB3	14	0.11
(1,1654)	1:159:A:VAL:HG12	1:32:A:GLU:HB3	14	0.11
(1,1654)	1:159:A:VAL:HG13	1:32:A:GLU:HB3	14	0.11
(1,1521)	1:81:A:ILE:HG21	1:77:A:GLN:HG3	16	0.11
(1,1521)	1:81:A:ILE:HG22	1:77:A:GLN:HG3	16	0.11
(1,1521)	1:81:A:ILE:HG23	1:77:A:GLN:HG3	16	0.11
(1,1489)	1:54:A:ALA:HB1	1:47:A:GLN:HG3	6	0.11
(1,1489)	1:54:A:ALA:HB2	1:47:A:GLN:HG3	6	0.11
(1,1489)	1:54:A:ALA:HB3	1:47:A:GLN:HG3	6	0.11
(1,1479)	1:34:A:VAL:HG11	1:71:A:MET:HG3	9	0.11
(1,1479)	1:34:A:VAL:HG12	1:71:A:MET:HG3	9	0.11
(1,1479)	1:34:A:VAL:HG13	1:71:A:MET:HG3	9	0.11
(1,1477)	1:28:A:ALA:HB1	1:29:A:GLN:HG3	16	0.11
(1,1477)	1:28:A:ALA:HB2	1:29:A:GLN:HG3	16	0.11
(1,1477)	1:28:A:ALA:HB3	1:29:A:GLN:HG3	16	0.11
(1,1449)	1:109:A:GLU:H	1:109:A:GLU:HG3	19	0.11
(1,1428)	1:31:A:THR:HB	1:32:A:GLU:HG3	1	0.11
(1,1428)	1:31:A:THR:HB	1:32:A:GLU:HG3	14	0.11
(1,1419)	1:116:A:THR:HA	1:120:A:GLU:HG3	5	0.11
(1,1320)	1:85:A:ILE:HG21	1:89:A:TYR:HB3	7	0.11
(1,1320)	1:85:A:ILE:HG22	1:89:A:TYR:HB3	7	0.11
(1,1320)	1:85:A:ILE:HG23	1:89:A:TYR:HB3	7	0.11
(1,1252)	1:79:A:ALA:HB1	1:42:A:ARG:HD3	3	0.11
(1,1252)	1:79:A:ALA:HB2	1:42:A:ARG:HD3	3	0.11
(1,1252)	1:79:A:ALA:HB3	1:42:A:ARG:HD3	3	0.11
(1,1194)	1:85:A:ILE:HA	1:88:A:ARG:HD3	18	0.11
(1,1159)	1:36:A:ARG:HA	1:36:A:ARG:HD3	12	0.11
(1,1157)	1:36:A:ARG:HG3	1:36:A:ARG:HD3	4	0.11
(1,1156)	1:156:A:ARG:H	1:156:A:ARG:HD3	4	0.11
(1,1145)	1:174:A:ARG:H	1:175:A:GLY:HA3	1	0.11
(1,1145)	1:174:A:ARG:H	1:175:A:GLY:HA3	2	0.11
(1,1145)	1:174:A:ARG:H	1:175:A:GLY:HA3	3	0.11
(1,1145)	1:174:A:ARG:H	1:175:A:GLY:HA3	5	0.11
(1,1145)	1:174:A:ARG:H	1:175:A:GLY:HA3	7	0.11
(1,1145)	1:174:A:ARG:H	1:175:A:GLY:HA3	10	0.11
(1,1145)	1:174:A:ARG:H	1:175:A:GLY:HA3	13	0.11
(1,1145)	1:174:A:ARG:H	1:175:A:GLY:HA3	14	0.11
(1,1145)	1:174:A:ARG:H	1:175:A:GLY:HA3	15	0.11
(1,1145)	1:174:A:ARG:H	1:175:A:GLY:HA3	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1145)	1:174:A:ARG:H	1:175:A:GLY:HA3	19	0.11
(1,1123)	1:35:A:PHE:HZ	1:135:A:GLY:HA2	14	0.11
(1,1111)	2:97:B:NLE:HB2	1:126:A:GLY:HA3	3	0.11
(1,1111)	2:97:B:NLE:HB3	1:126:A:GLY:HA3	3	0.11
(1,1098)	2:97:B:NLE:HB2	1:126:A:GLY:HA2	4	0.11
(1,1098)	2:97:B:NLE:HB3	1:126:A:GLY:HA2	4	0.11
(1,1098)	2:97:B:NLE:HB2	1:126:A:GLY:HA2	18	0.11
(1,1098)	2:97:B:NLE:HB3	1:126:A:GLY:HA2	18	0.11
(1,1095)	1:110:A:TYR:HE1	1:102:A:PRO:HD3	16	0.11
(1,1095)	1:110:A:TYR:HE2	1:102:A:PRO:HD3	16	0.11
(1,1084)	1:19:A:LEU:H	1:20:A:PRO:HD3	7	0.11
(1,1062)	1:23:A:SER:HB3	1:22:A:ALA:HA	17	0.11
(1,1001)	1:73:A:GLN:HG3	1:181:A:LEU:HA	20	0.11
(1,941)	1:68:A:SER:HB3	1:68:A:SER:HA	11	0.11
(1,919)	1:21:A:SER:HB3	1:21:A:SER:HA	2	0.11
(1,903)	1:87:A:ARG:HD3	1:87:A:ARG:HA	6	0.11
(1,901)	1:94:A:GLN:H	1:92:A:GLU:HA	1	0.11
(1,901)	1:94:A:GLN:H	1:92:A:GLU:HA	15	0.11
(1,896)	1:142:A:VAL:HG21	1:103:A:THR:HA	6	0.11
(1,896)	1:142:A:VAL:HG22	1:103:A:THR:HA	6	0.11
(1,896)	1:142:A:VAL:HG23	1:103:A:THR:HA	6	0.11
(1,802)	1:91:A:SER:HB3	1:91:A:SER:HA	4	0.11
(1,784)	1:56:A:ALA:H	1:55:A:PRO:HA	1	0.11
(1,757)	1:41:A:TYR:HE1	1:41:A:TYR:HA	5	0.11
(1,757)	1:41:A:TYR:HE2	1:41:A:TYR:HA	5	0.11
(1,757)	1:41:A:TYR:HE1	1:41:A:TYR:HA	9	0.11
(1,757)	1:41:A:TYR:HE2	1:41:A:TYR:HA	9	0.11
(1,757)	1:41:A:TYR:HE1	1:41:A:TYR:HA	13	0.11
(1,757)	1:41:A:TYR:HE2	1:41:A:TYR:HA	13	0.11
(1,757)	1:41:A:TYR:HE1	1:41:A:TYR:HA	15	0.11
(1,757)	1:41:A:TYR:HE2	1:41:A:TYR:HA	15	0.11
(1,757)	1:41:A:TYR:HE1	1:41:A:TYR:HA	19	0.11
(1,757)	1:41:A:TYR:HE2	1:41:A:TYR:HA	19	0.11
(1,757)	1:41:A:TYR:HE1	1:41:A:TYR:HA	20	0.11
(1,757)	1:41:A:TYR:HE2	1:41:A:TYR:HA	20	0.11
(1,579)	1:124:A:ASN:HB3	1:126:A:GLY:H	5	0.11
(1,527)	1:176:A:GLY:HA2	1:26:A:GLN:HE21	4	0.11
(1,499)	1:119:A:PHE:HD1	1:116:A:THR:H	16	0.11
(1,499)	1:119:A:PHE:HD2	1:116:A:THR:H	16	0.11
(1,475)	1:152:A:GLY:HA3	1:155:A:THR:H	3	0.11
(1,453)	1:26:A:GLN:HB3	1:23:A:SER:H	16	0.11
(1,433)	1:92:A:GLU:HG3	1:91:A:SER:H	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,433)	1:92:A:GLU:HG3	1:91:A:SER:H	19	0.11
(1,433)	1:92:A:GLU:HG3	1:91:A:SER:H	20	0.11
(1,394)	1:161:A:PHE:HB3	1:162:A:MET:H	12	0.11
(1,379)	1:50:A:GLU:HB3	1:50:A:GLU:H	14	0.11
(1,154)	1:32:A:GLU:HG3	1:32:A:GLU:H	4	0.11
(1,154)	1:32:A:GLU:HG3	1:32:A:GLU:H	10	0.11
(1,106)	1:162:A:MET:HG3	1:168:A:ALA:H	17	0.11
(1,16)	1:54:A:ALA:H	1:53:A:ALA:H	19	0.11
(2,157)	1:153:A:GLN:O	1:157:A:PHE:N	8	0.1
(2,153)	1:134:A:PHE:O	1:138:A:LEU:N	12	0.1
(2,152)	1:131:A:LEU:O	1:135:A:GLY:N	17	0.1
(2,141)	1:82:A:GLY:O	1:86:A:ASN:N	20	0.1
(2,140)	1:78:A:LEU:O	1:82:A:GLY:N	2	0.1
(2,117)	1:159:A:VAL:O	1:163:A:LEU:H	4	0.1
(2,101)	1:151:A:LEU:O	1:155:A:THR:H	20	0.1
(2,95)	1:137:A:ARG:O	1:141:A:HIS:H	16	0.1
(2,91)	1:135:A:GLY:O	1:139:A:ALA:H	7	0.1
(2,88)	1:132:A:LEU:O	1:136:A:TYR:N	10	0.1
(2,88)	1:132:A:LEU:O	1:136:A:TYR:N	15	0.1
(2,85)	1:131:A:LEU:O	1:135:A:GLY:H	6	0.1
(2,81)	1:129:A:VAL:O	1:133:A:GLY:H	13	0.1
(2,75)	1:124:A:ASN:O	1:128:A:VAL:H	9	0.1
(2,75)	1:124:A:ASN:O	1:128:A:VAL:H	11	0.1
(2,75)	1:124:A:ASN:O	1:128:A:VAL:H	13	0.1
(2,71)	1:114:A:ILE:O	1:118:A:LEU:H	2	0.1
(2,71)	1:114:A:ILE:O	1:118:A:LEU:H	11	0.1
(2,71)	1:114:A:ILE:O	1:118:A:LEU:H	17	0.1
(2,63)	1:110:A:TYR:O	1:114:A:ILE:H	13	0.1
(2,53)	1:93:A:PHE:O	1:97:A:LEU:H	3	0.1
(2,51)	1:85:A:ILE:O	1:89:A:TYR:N	5	0.1
(2,50)	1:85:A:ILE:O	1:89:A:TYR:H	4	0.1
(2,31)	1:39:A:VAL:O	1:43:A:HIS:H	16	0.1
(2,25)	1:36:A:ARG:O	1:40:A:PHE:H	1	0.1
(2,18)	1:32:A:GLU:O	1:36:A:ARG:N	12	0.1
(2,17)	1:32:A:GLU:O	1:36:A:ARG:H	1	0.1
(2,17)	1:32:A:GLU:O	1:36:A:ARG:H	17	0.1
(2,17)	1:32:A:GLU:O	1:36:A:ARG:H	20	0.1
(2,12)	1:29:A:GLN:O	1:33:A:GLU:N	4	0.1
(2,12)	1:29:A:GLN:O	1:33:A:GLU:N	20	0.1
(2,9)	1:28:A:ALA:O	1:32:A:GLU:H	11	0.1
(2,3)	1:24:A:GLU:O	1:28:A:ALA:H	20	0.1
(1,3095)	1:117:A:SER:H	2:87:B:ALA:HB1	13	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3095)	1:117:A:SER:H	2:87:B:ALA:HB2	13	0.1
(1,3095)	1:117:A:SER:H	2:87:B:ALA:HB3	13	0.1
(1,3065)	1:114:A:ILE:HD11	2:86:B:ILE:HG13	4	0.1
(1,3065)	1:114:A:ILE:HD12	2:86:B:ILE:HG13	4	0.1
(1,3065)	1:114:A:ILE:HD13	2:86:B:ILE:HG13	4	0.1
(1,3049)	1:97:A:LEU:HD11	2:86:B:ILE:HG21	9	0.1
(1,3049)	1:97:A:LEU:HD11	2:86:B:ILE:HG22	9	0.1
(1,3049)	1:97:A:LEU:HD11	2:86:B:ILE:HG23	9	0.1
(1,3049)	1:97:A:LEU:HD12	2:86:B:ILE:HG21	9	0.1
(1,3049)	1:97:A:LEU:HD12	2:86:B:ILE:HG22	9	0.1
(1,3049)	1:97:A:LEU:HD12	2:86:B:ILE:HG23	9	0.1
(1,3049)	1:97:A:LEU:HD13	2:86:B:ILE:HG21	9	0.1
(1,3049)	1:97:A:LEU:HD13	2:86:B:ILE:HG22	9	0.1
(1,3049)	1:97:A:LEU:HD13	2:86:B:ILE:HG23	9	0.1
(1,3049)	1:97:A:LEU:HD21	2:86:B:ILE:HG21	9	0.1
(1,3049)	1:97:A:LEU:HD21	2:86:B:ILE:HG22	9	0.1
(1,3049)	1:97:A:LEU:HD21	2:86:B:ILE:HG23	9	0.1
(1,3049)	1:97:A:LEU:HD22	2:86:B:ILE:HG21	9	0.1
(1,3049)	1:97:A:LEU:HD22	2:86:B:ILE:HG22	9	0.1
(1,3049)	1:97:A:LEU:HD22	2:86:B:ILE:HG23	9	0.1
(1,3049)	1:97:A:LEU:HD23	2:86:B:ILE:HG21	9	0.1
(1,3049)	1:97:A:LEU:HD23	2:86:B:ILE:HG22	9	0.1
(1,3049)	1:97:A:LEU:HD23	2:86:B:ILE:HG23	9	0.1
(1,3032)	1:118:A:LEU:HD11	2:91:B:ALA:HB1	11	0.1
(1,3032)	1:118:A:LEU:HD11	2:91:B:ALA:HB2	11	0.1
(1,3032)	1:118:A:LEU:HD11	2:91:B:ALA:HB3	11	0.1
(1,3032)	1:118:A:LEU:HD12	2:91:B:ALA:HB1	11	0.1
(1,3032)	1:118:A:LEU:HD12	2:91:B:ALA:HB2	11	0.1
(1,3032)	1:118:A:LEU:HD12	2:91:B:ALA:HB3	11	0.1
(1,3032)	1:118:A:LEU:HD13	2:91:B:ALA:HB1	11	0.1
(1,3032)	1:118:A:LEU:HD13	2:91:B:ALA:HB2	11	0.1
(1,3032)	1:118:A:LEU:HD13	2:91:B:ALA:HB3	11	0.1
(1,2993)	1:130:A:ALA:HB1	2:97:B:NLE:HE1	14	0.1
(1,2993)	1:130:A:ALA:HB2	2:97:B:NLE:HE1	14	0.1
(1,2993)	1:130:A:ALA:HB3	2:97:B:NLE:HE1	14	0.1
(1,2975)	1:81:A:ILE:HG21	2:101:B:ILE:HD11	7	0.1
(1,2975)	1:81:A:ILE:HG21	2:101:B:ILE:HD12	7	0.1
(1,2975)	1:81:A:ILE:HG21	2:101:B:ILE:HD13	7	0.1
(1,2975)	1:81:A:ILE:HG22	2:101:B:ILE:HD11	7	0.1
(1,2975)	1:81:A:ILE:HG22	2:101:B:ILE:HD12	7	0.1
(1,2975)	1:81:A:ILE:HG22	2:101:B:ILE:HD13	7	0.1
(1,2975)	1:81:A:ILE:HG23	2:101:B:ILE:HD11	7	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2975)	1:81:A:ILE:HG23	2:101:B:ILE:HD12	7	0.1
(1,2975)	1:81:A:ILE:HG23	2:101:B:ILE:HD13	7	0.1
(1,2975)	1:81:A:ILE:HG21	2:101:B:ILE:HD11	20	0.1
(1,2975)	1:81:A:ILE:HG21	2:101:B:ILE:HD12	20	0.1
(1,2975)	1:81:A:ILE:HG21	2:101:B:ILE:HD13	20	0.1
(1,2975)	1:81:A:ILE:HG22	2:101:B:ILE:HD11	20	0.1
(1,2975)	1:81:A:ILE:HG22	2:101:B:ILE:HD12	20	0.1
(1,2975)	1:81:A:ILE:HG22	2:101:B:ILE:HD13	20	0.1
(1,2975)	1:81:A:ILE:HG23	2:101:B:ILE:HD11	20	0.1
(1,2975)	1:81:A:ILE:HG23	2:101:B:ILE:HD12	20	0.1
(1,2975)	1:81:A:ILE:HG23	2:101:B:ILE:HD13	20	0.1
(1,2916)	2:90:B:LEU:HB3	2:91:B:ALA:H	17	0.1
(1,2912)	2:90:B:LEU:H	2:90:B:LEU:HB3	18	0.1
(1,2895)	2:85:B:ASN:H	2:85:B:ASN:HB3	18	0.1
(1,2895)	2:85:B:ASN:H	2:85:B:ASN:HB3	20	0.1
(1,2851)	2:88:B:ARG:HB3	2:88:B:ARG:HG3	17	0.1
(1,2846)	2:93:B:VAL:HA	2:97:B:NLE:H	12	0.1
(1,2812)	2:97:B:NLE:HB2	2:101:B:ILE:HG21	6	0.1
(1,2812)	2:97:B:NLE:HB2	2:101:B:ILE:HG22	6	0.1
(1,2812)	2:97:B:NLE:HB2	2:101:B:ILE:HG23	6	0.1
(1,2812)	2:97:B:NLE:HB3	2:101:B:ILE:HG21	6	0.1
(1,2812)	2:97:B:NLE:HB3	2:101:B:ILE:HG22	6	0.1
(1,2812)	2:97:B:NLE:HB3	2:101:B:ILE:HG23	6	0.1
(1,2803)	2:84:B:ARG:HB3	2:84:B:ARG:HD3	3	0.1
(1,2802)	2:84:B:ARG:H	2:84:B:ARG:HB3	7	0.1
(1,2802)	2:84:B:ARG:H	2:84:B:ARG:HB3	11	0.1
(1,2795)	2:88:B:ARG:HA	2:91:B:ALA:H	18	0.1
(1,2757)	2:99:B:ARG:HA	2:99:B:ARG:HD3	7	0.1
(1,2719)	2:90:B:LEU:H	2:91:B:ALA:H	1	0.1
(1,2667)	2:92:B:MK8:HB1A	2:95:B:ASP:HB3	17	0.1
(1,2667)	2:92:B:MK8:HB1B	2:95:B:ASP:HB3	17	0.1
(1,2666)	2:98:B:ASP:HA	2:101:B:ILE:HB	1	0.1
(1,2599)	1:108:A:TYR:HB3	1:108:A:TYR:HE1	7	0.1
(1,2599)	1:108:A:TYR:HB3	1:108:A:TYR:HE2	7	0.1
(1,2599)	1:108:A:TYR:HB3	1:108:A:TYR:HE1	12	0.1
(1,2599)	1:108:A:TYR:HB3	1:108:A:TYR:HE2	12	0.1
(1,2580)	1:37:A:SER:HB3	1:41:A:TYR:HE1	11	0.1
(1,2580)	1:37:A:SER:HB3	1:41:A:TYR:HE2	11	0.1
(1,2564)	1:99:A:HIS:HB3	1:99:A:HIS:HD2	12	0.1
(1,2564)	1:99:A:HIS:HB3	1:99:A:HIS:HD2	14	0.1
(1,2495)	1:128:A:VAL:HG21	1:119:A:PHE:HZ	16	0.1
(1,2495)	1:128:A:VAL:HG22	1:119:A:PHE:HZ	16	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2495)	1:128:A:VAL:HG23	1:119:A:PHE:HZ	16	0.1
(1,2241)	1:28:A:ALA:H	1:168:A:ALA:HB1	5	0.1
(1,2241)	1:28:A:ALA:H	1:168:A:ALA:HB2	5	0.1
(1,2241)	1:28:A:ALA:H	1:168:A:ALA:HB3	5	0.1
(1,2176)	1:138:A:LEU:H	1:139:A:ALA:HB1	7	0.1
(1,2176)	1:138:A:LEU:H	1:139:A:ALA:HB2	7	0.1
(1,2176)	1:138:A:LEU:H	1:139:A:ALA:HB3	7	0.1
(1,2133)	1:159:A:VAL:HG21	1:28:A:ALA:HB1	17	0.1
(1,2133)	1:159:A:VAL:HG21	1:28:A:ALA:HB2	17	0.1
(1,2133)	1:159:A:VAL:HG21	1:28:A:ALA:HB3	17	0.1
(1,2133)	1:159:A:VAL:HG22	1:28:A:ALA:HB1	17	0.1
(1,2133)	1:159:A:VAL:HG22	1:28:A:ALA:HB2	17	0.1
(1,2133)	1:159:A:VAL:HG22	1:28:A:ALA:HB3	17	0.1
(1,2133)	1:159:A:VAL:HG23	1:28:A:ALA:HB1	17	0.1
(1,2133)	1:159:A:VAL:HG23	1:28:A:ALA:HB2	17	0.1
(1,2133)	1:159:A:VAL:HG23	1:28:A:ALA:HB3	17	0.1
(1,2021)	1:35:A:PHE:HB3	1:132:A:LEU:HD11	7	0.1
(1,2021)	1:35:A:PHE:HB3	1:132:A:LEU:HD12	7	0.1
(1,2021)	1:35:A:PHE:HB3	1:132:A:LEU:HD13	7	0.1
(1,2021)	1:35:A:PHE:HB3	1:132:A:LEU:HD21	7	0.1
(1,2021)	1:35:A:PHE:HB3	1:132:A:LEU:HD22	7	0.1
(1,2021)	1:35:A:PHE:HB3	1:132:A:LEU:HD23	7	0.1
(1,1981)	1:136:A:TYR:HD1	1:39:A:VAL:HG21	11	0.1
(1,1981)	1:136:A:TYR:HD1	1:39:A:VAL:HG22	11	0.1
(1,1981)	1:136:A:TYR:HD1	1:39:A:VAL:HG23	11	0.1
(1,1981)	1:136:A:TYR:HD2	1:39:A:VAL:HG21	11	0.1
(1,1981)	1:136:A:TYR:HD2	1:39:A:VAL:HG22	11	0.1
(1,1981)	1:136:A:TYR:HD2	1:39:A:VAL:HG23	11	0.1
(1,1924)	1:180:A:ALA:HA	1:183:A:LEU:HD21	8	0.1
(1,1924)	1:180:A:ALA:HA	1:183:A:LEU:HD22	8	0.1
(1,1924)	1:180:A:ALA:HA	1:183:A:LEU:HD23	8	0.1
(1,1713)	1:137:A:ARG:HB3	1:137:A:ARG:HG3	13	0.1
(1,1634)	1:25:A:GLU:H	1:24:A:GLU:HB3	2	0.1
(1,1481)	1:45:A:GLN:H	1:45:A:GLN:HG3	14	0.1
(1,1465)	1:101:A:GLN:HE22	1:101:A:GLN:HG3	9	0.1
(1,1428)	1:31:A:THR:HB	1:32:A:GLU:HG3	9	0.1
(1,1427)	1:92:A:GLU:HA	1:92:A:GLU:HG3	4	0.1
(1,1297)	1:85:A:ILE:H	1:84:A:ASP:HB3	14	0.1
(1,1145)	1:174:A:ARG:H	1:175:A:GLY:HA3	11	0.1
(1,1111)	2:97:B:NLE:HB2	1:126:A:GLY:HA3	17	0.1
(1,1111)	2:97:B:NLE:HB3	1:126:A:GLY:HA3	17	0.1
(1,1095)	1:110:A:TYR:HE1	1:102:A:PRO:HD3	13	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1095)	1:110:A:TYR:HE2	1:102:A:PRO:HD3	13	0.1
(1,1094)	1:100:A:LEU:H	1:102:A:PRO:HD3	18	0.1
(1,1094)	1:100:A:LEU:H	1:102:A:PRO:HD3	19	0.1
(1,1087)	1:47:A:GLN:HE22	1:55:A:PRO:HD3	8	0.1
(1,1027)	1:27:A:VAL:HG21	1:168:A:ALA:HA	3	0.1
(1,1027)	1:27:A:VAL:HG22	1:168:A:ALA:HA	3	0.1
(1,1027)	1:27:A:VAL:HG23	1:168:A:ALA:HA	3	0.1
(1,1003)	1:182:A:ASN:HA	1:181:A:LEU:HA	14	0.1
(1,1003)	1:182:A:ASN:HA	1:181:A:LEU:HA	20	0.1
(1,959)	2:82:B:ILE:HD11	1:99:A:HIS:HA	1	0.1
(1,959)	2:82:B:ILE:HD12	1:99:A:HIS:HA	1	0.1
(1,959)	2:82:B:ILE:HD13	1:99:A:HIS:HA	1	0.1
(1,901)	1:94:A:GLN:H	1:92:A:GLU:HA	7	0.1
(1,757)	1:41:A:TYR:HE1	1:41:A:TYR:HA	7	0.1
(1,757)	1:41:A:TYR:HE2	1:41:A:TYR:HA	7	0.1
(1,542)	1:172:A:ALA:HB1	1:173:A:GLN:HE22	15	0.1
(1,542)	1:172:A:ALA:HB2	1:173:A:GLN:HE22	15	0.1
(1,542)	1:172:A:ALA:HB3	1:173:A:GLN:HE22	15	0.1
(1,499)	1:119:A:PHE:HD1	1:116:A:THR:H	1	0.1
(1,499)	1:119:A:PHE:HD2	1:116:A:THR:H	1	0.1
(1,410)	1:94:A:GLN:HE22	1:95:A:THR:H	8	0.1
(1,410)	1:94:A:GLN:HE22	1:95:A:THR:H	17	0.1
(1,368)	1:119:A:PHE:HA	1:123:A:ILE:H	10	0.1
(1,175)	1:118:A:LEU:HD11	1:131:A:LEU:H	5	0.1
(1,175)	1:118:A:LEU:HD12	1:131:A:LEU:H	5	0.1
(1,175)	1:118:A:LEU:HD13	1:131:A:LEU:H	5	0.1
(1,123)	1:34:A:VAL:HG11	1:74:A:VAL:H	11	0.1
(1,123)	1:34:A:VAL:HG12	1:74:A:VAL:H	11	0.1
(1,123)	1:34:A:VAL:HG13	1:74:A:VAL:H	11	0.1
(1,96)	1:29:A:GLN:HB3	1:30:A:ASP:H	1	0.1

10 Dihedral-angle violation analysis (i)

No dihedral-angle restraints found