



# Full wwPDB NMR Structure Validation Report ⓘ

Jun 5, 2023 – 04:26 AM EDT

PDB ID : 2LUC  
BMRB ID : 18425  
Title : Solution Structure of human S100 calcium-binding protein A11  
Authors : Hung, K.W.; Chang, Y.M.; Yu, C.  
Deposited on : 2012-06-12

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

We welcome your comments at [validation@mail.wwpdb.org](mailto: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 ⓘ symbol.

The types of validation reports are described at

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

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

MolProbity : 4.02b-467  
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) : 2.33

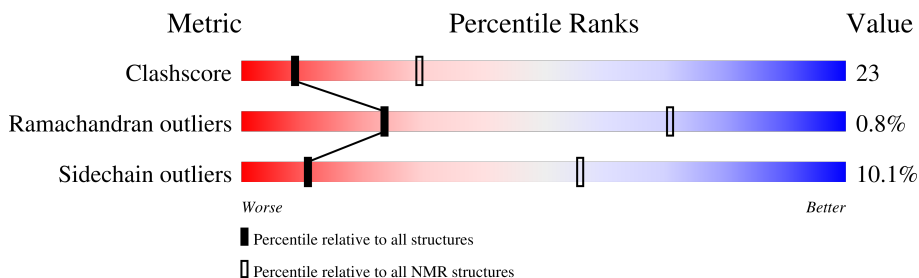
# 1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

*SOLUTION NMR*

The overall completeness of chemical shifts assignment is 39%.

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  $\geq 3$ , 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  $\leq 5\%$

Mol	Chain	Length	Quality of chain
1	A	105	
1	B	105	

## 2 Ensemble composition and analysis i

This entry contains 20 models. Model 8 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative, based on the following criterion: *lowest energy*.

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:7-A:26, A:33-A:52, A:58-A:95, B:7-B:26, B:33-B:52, B:58-B:95 (156)	0.51	8

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 4 clusters and 4 single-model clusters were found.

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

### 3 Entry composition

There is only 1 type of molecule in this entry. The entry contains 3286 atoms, of which 1644 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Protein S100-A11.

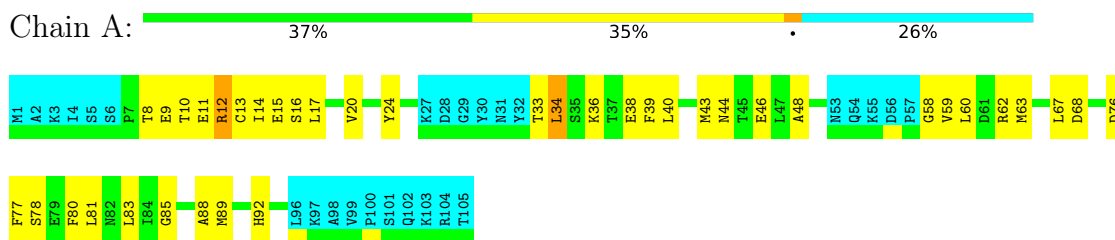
Mol	Chain	Residues	Atoms						Trace
			Total	C	H	N	O	S	
1	A	105	1643	518	822	135	161	7	0
1	B	105	1643	518	822	135	161	7	0

## 4 Residue-property plots [i](#)

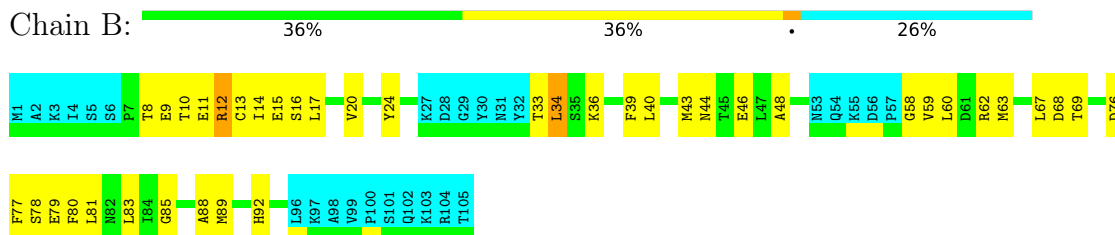
### 4.1 Average score per residue in the NMR ensemble

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: Protein S100-A11



- Molecule 1: Protein S100-A11

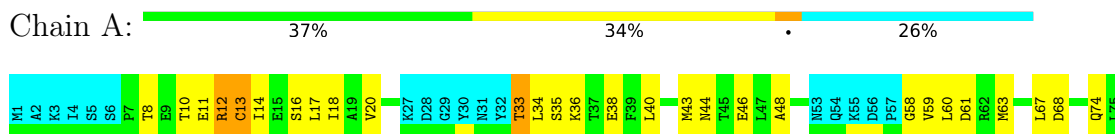


### 4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

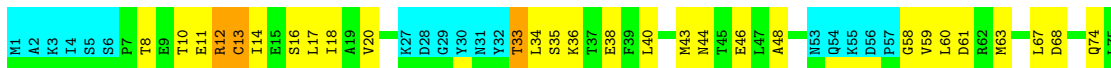
#### 4.2.1 Score per residue for model 1

- Molecule 1: Protein S100-A11





- Molecule 1: Protein S100-A11



#### 4.2.2 Score per residue for model 2

- Molecule 1: Protein S100-A11

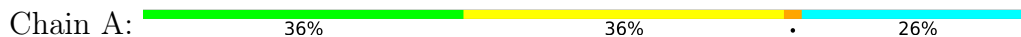


- Molecule 1: Protein S100-A11

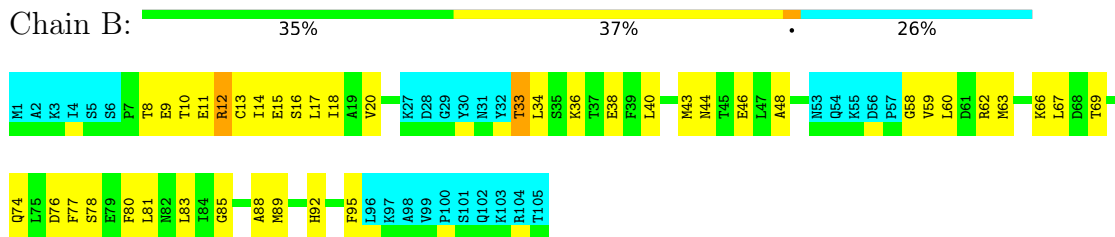


#### 4.2.3 Score per residue for model 3

- Molecule 1: Protein S100-A11

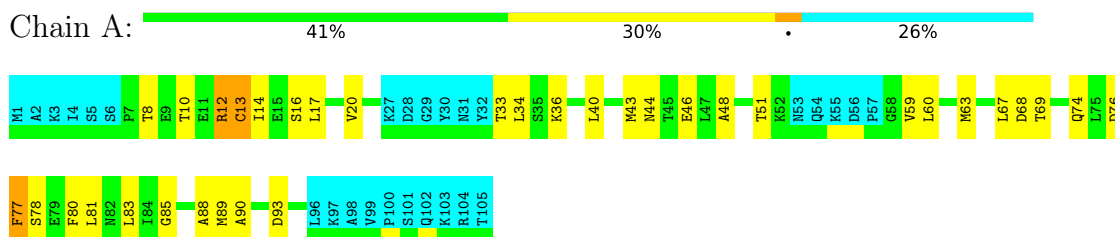


- Molecule 1: Protein S100-A11

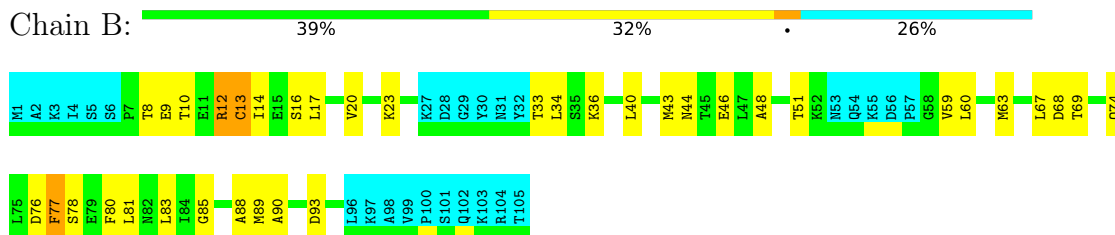


#### 4.2.4 Score per residue for model 4

- Molecule 1: Protein S100-A11

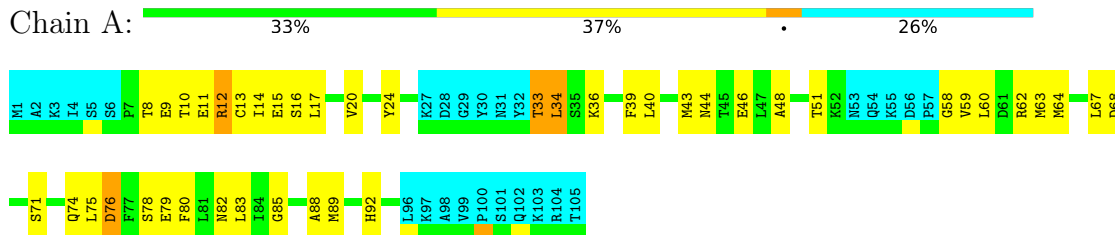


- Molecule 1: Protein S100-A11

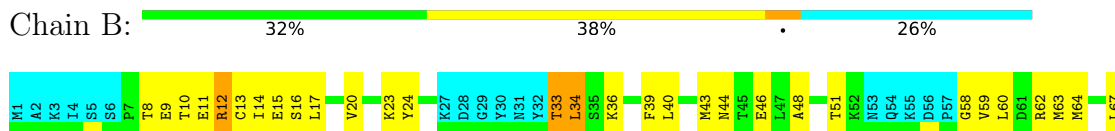


#### 4.2.5 Score per residue for model 5

- Molecule 1: Protein S100-A11



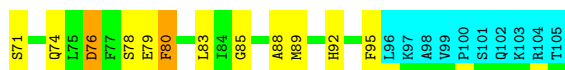
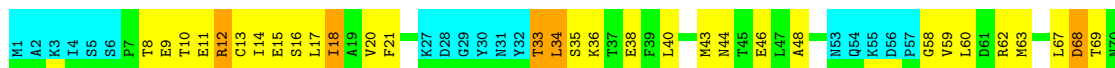
- Molecule 1: Protein S100-A11



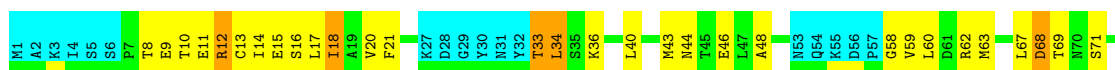


#### 4.2.6 Score per residue for model 6

- Molecule 1: Protein S100-A11

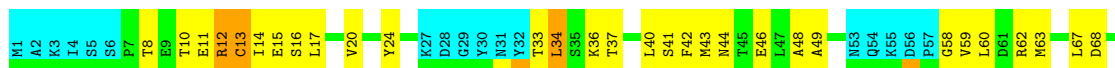
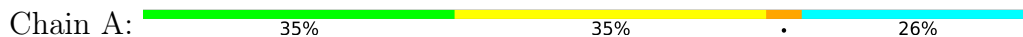


- Molecule 1: Protein S100-A11

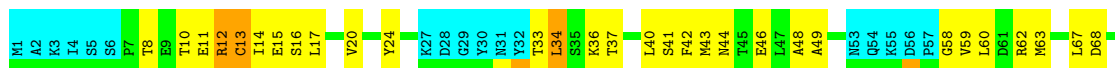
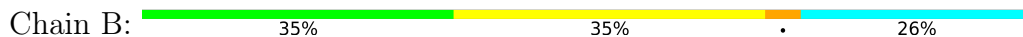


#### 4.2.7 Score per residue for model 7

- Molecule 1: Protein S100-A11



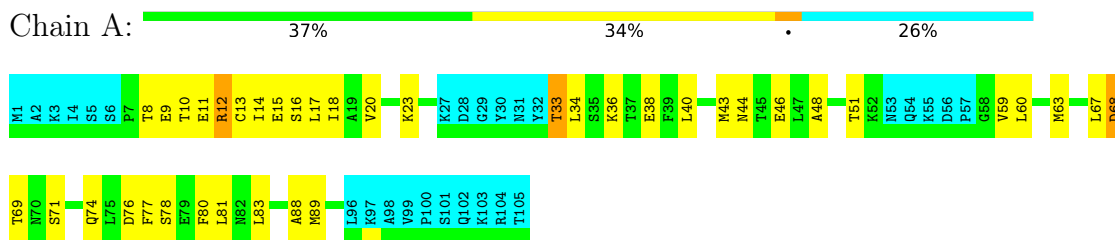
- Molecule 1: Protein S100-A11



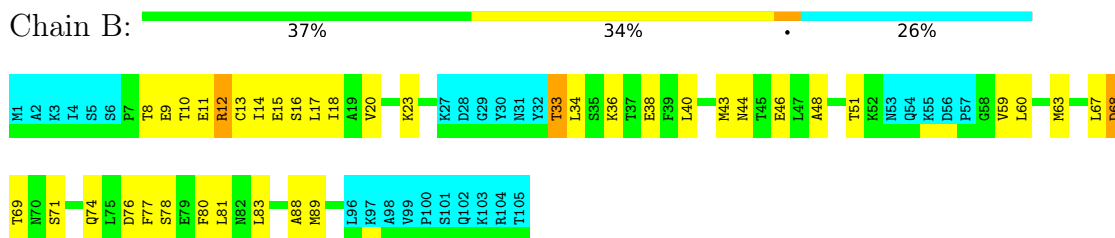


### 4.2.8 Score per residue for model 8 (medoid)

- Molecule 1: Protein S100-A11

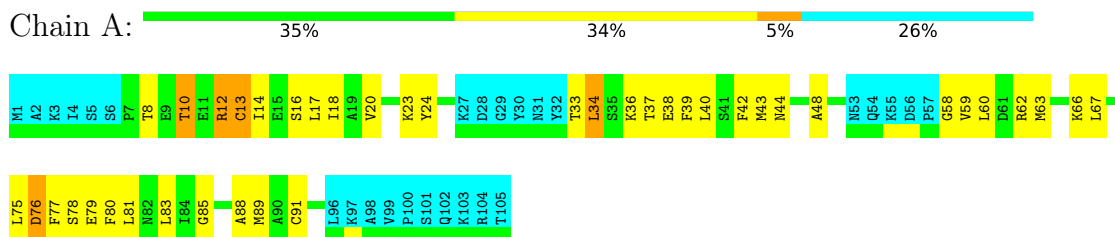


- Molecule 1: Protein S100-A11

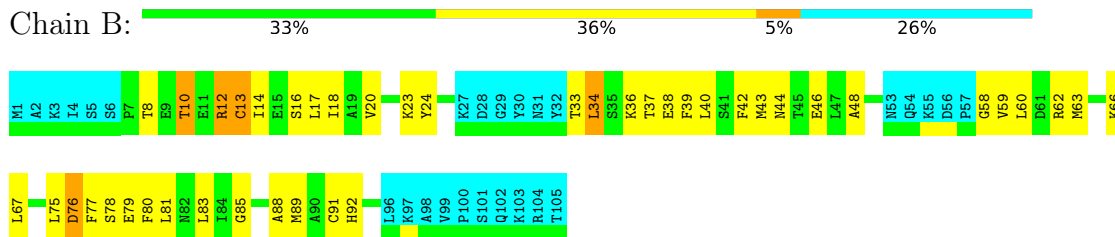


### 4.2.9 Score per residue for model 9

- Molecule 1: Protein S100-A11



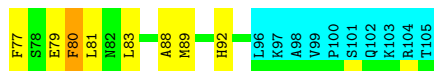
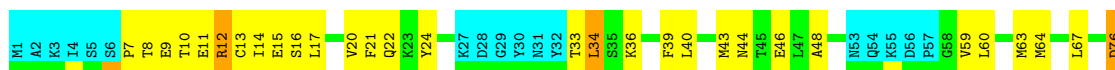
- Molecule 1: Protein S100-A11



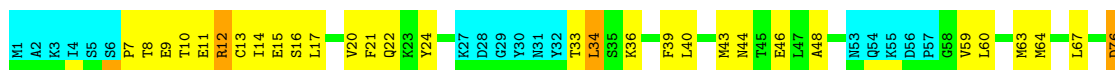
### 4.2.10 Score per residue for model 10

- Molecule 1: Protein S100-A11



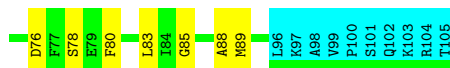
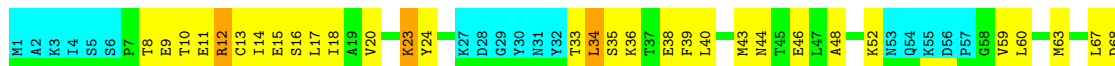
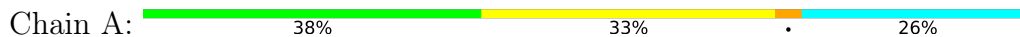


• Molecule 1: Protein S100-A11

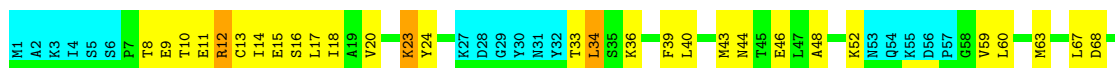


#### 4.2.11 Score per residue for model 11

• Molecule 1: Protein S100-A11

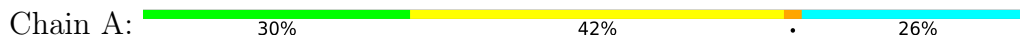


• Molecule 1: Protein S100-A11

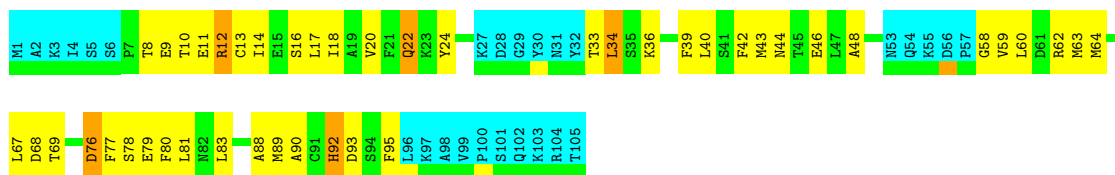


#### 4.2.12 Score per residue for model 12

• Molecule 1: Protein S100-A11

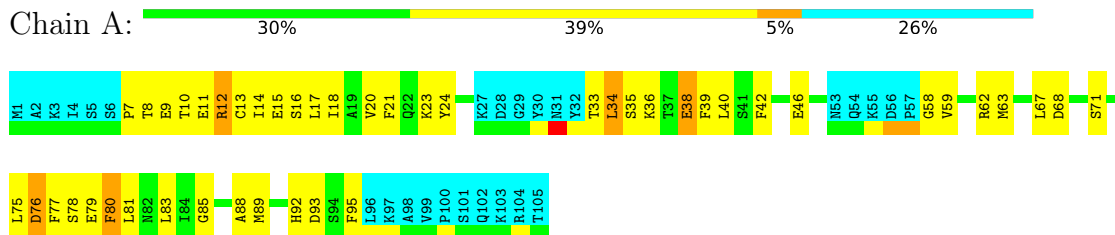




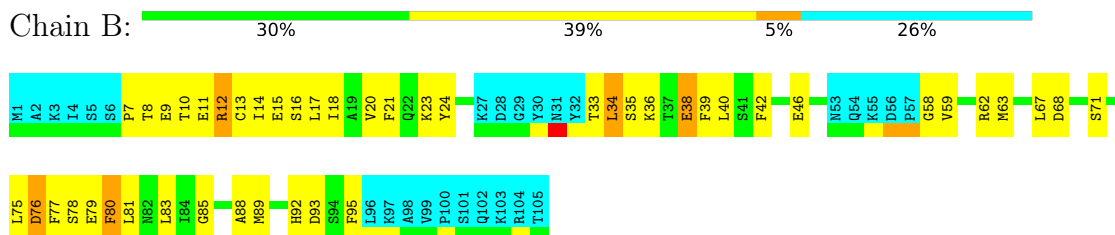


#### 4.2.15 Score per residue for model 15

- Molecule 1: Protein S100-A11

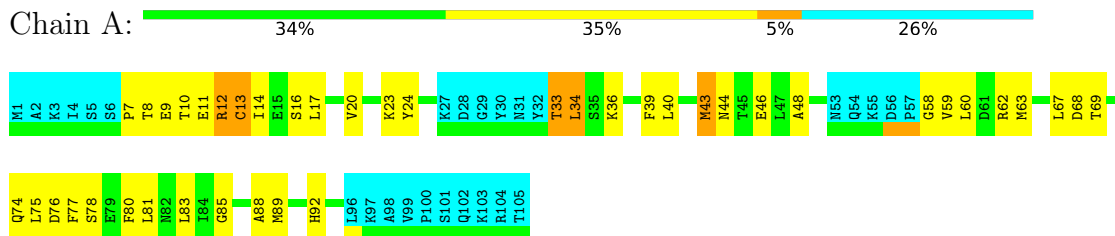


- Molecule 1: Protein S100-A11

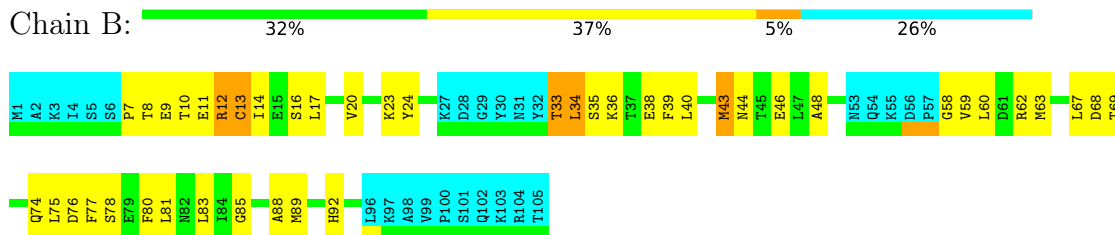


#### 4.2.16 Score per residue for model 16

- Molecule 1: Protein S100-A11

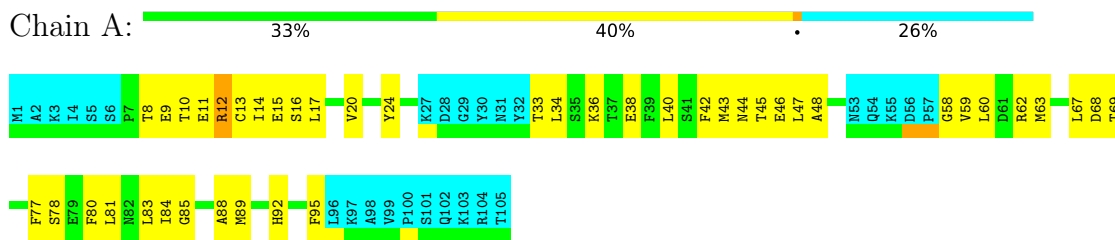


- Molecule 1: Protein S100-A11

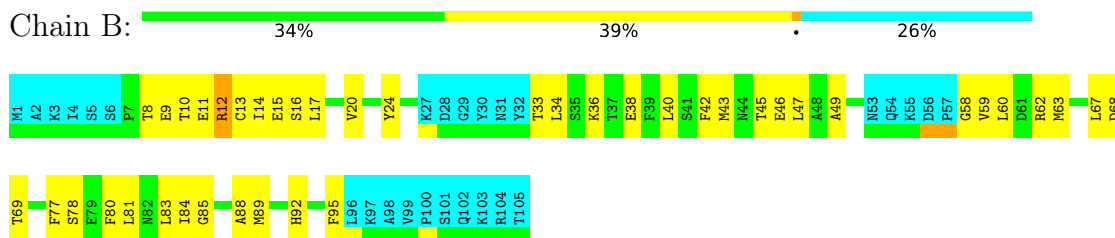


## 4.2.17 Score per residue for model 17

- Molecule 1: Protein S100-A11

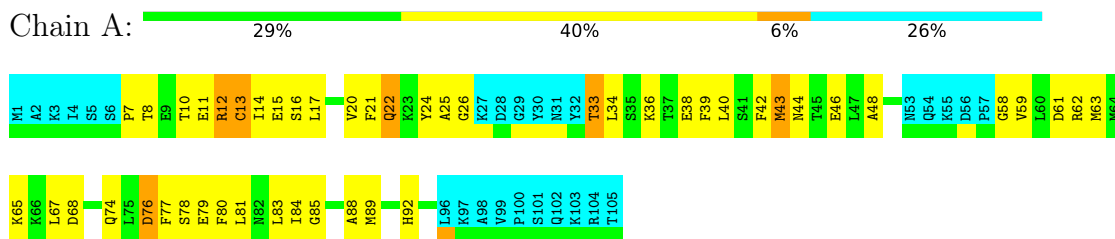


- Molecule 1: Protein S100-A11

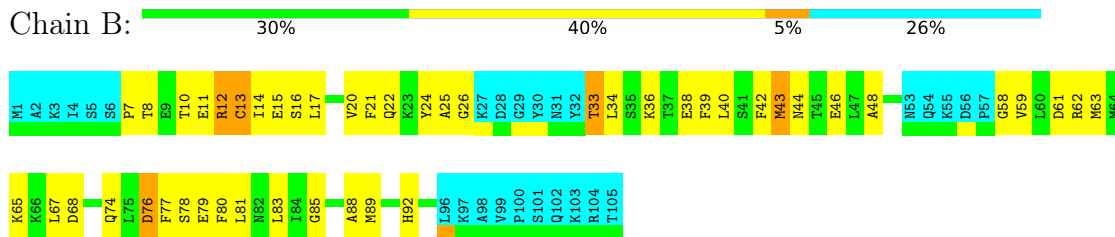


## 4.2.18 Score per residue for model 18

- Molecule 1: Protein S100-A11



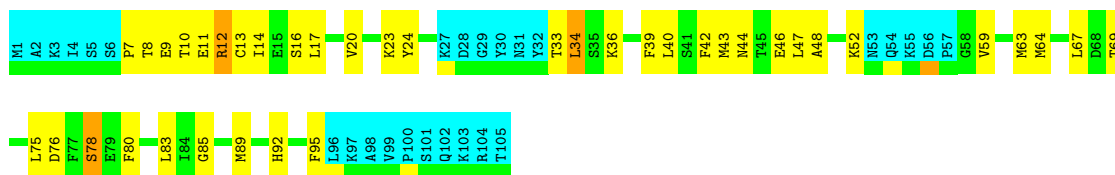
- Molecule 1: Protein S100-A11



## 4.2.19 Score per residue for model 19

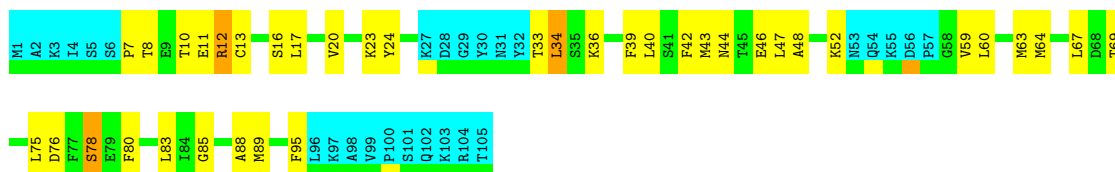
- Molecule 1: Protein S100-A11





- Molecule 1: Protein S100-A11

Chain B: 38% 33% 6% 26%



#### 4.2.20 Score per residue for model 20

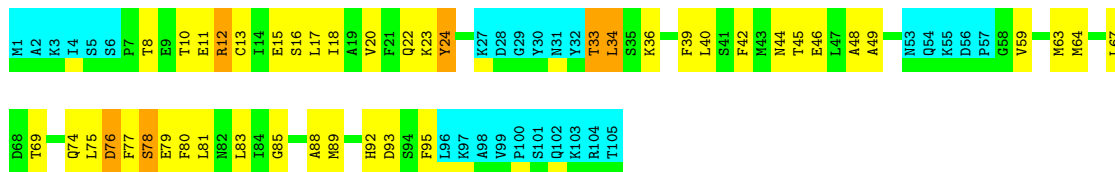
- Molecule 1: Protein S100-A11

Chain A: 31% 37% 6% 26%



- Molecule 1: Protein S100-A11

Chain B: 32% 36% 6% 26%



## 5 Refinement protocol and experimental data overview

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

Of the 200 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
ARIA	structure solution	
ARIA	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	938
Number of shifts mapped to atoms	938
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	39%

## 6 Model quality i

### 6.1 Standard geometry i

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

There are no bond-length outliers.

There are no bond-angle outliers.

There are no chirality outliers.

There are no planarity outliers.

### 6.2 Too-close contacts i

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	606	599	598	34±5
1	B	606	599	598	34±5
All	All	24240	23960	23920	1125

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 23.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:46:GLU:HA	1:B:8:THR:HG21	0.81	1.52	16	19
1:A:24:TYR:HB3	1:A:34:LEU:HD21	0.80	1.53	19	9
1:B:24:TYR:HB3	1:B:34:LEU:HD21	0.80	1.53	19	9
1:A:8:THR:HG21	1:B:46:GLU:HA	0.80	1.54	16	19
1:A:89:MET:SD	1:B:78:SER:HB3	0.75	2.21	11	14
1:A:78:SER:HB3	1:B:89:MET:SD	0.73	2.22	11	14
1:A:13:CYS:SG	1:B:17:LEU:HD21	0.72	2.24	7	8
1:A:17:LEU:HD21	1:B:13:CYS:SG	0.72	2.25	7	8
1:A:89:MET:HA	1:A:92:HIS:CD2	0.71	2.21	16	1
1:B:89:MET:HA	1:B:92:HIS:CD2	0.70	2.21	16	1
1:A:78:SER:HB2	1:B:89:MET:SD	0.70	2.26	8	4
1:A:89:MET:SD	1:B:78:SER:HB2	0.68	2.28	8	4
1:A:36:LYS:O	1:A:40:LEU:HG	0.67	1.88	14	15

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:36:LYS:O	1:B:40:LEU:HG	0.67	1.89	14	15
1:B:21:PHE:CE2	1:B:80:PHE:HB3	0.67	2.24	15	2
1:A:21:PHE:CE2	1:A:80:PHE:HB3	0.66	2.24	15	2
1:B:43:MET:SD	1:B:60:LEU:HD22	0.66	2.31	8	13
1:A:43:MET:SD	1:A:60:LEU:HD22	0.65	2.31	8	12
1:A:14:ILE:HG23	1:B:88:ALA:HA	0.65	1.68	6	17
1:A:67:LEU:HB2	1:A:75:LEU:HD22	0.65	1.69	20	5
1:A:59:VAL:O	1:A:63:MET:HG2	0.65	1.92	10	19
1:B:59:VAL:O	1:B:63:MET:HG2	0.65	1.92	10	20
1:B:67:LEU:HB2	1:B:75:LEU:HD22	0.65	1.69	20	5
1:B:24:TYR:CE2	1:B:46:GLU:HG2	0.64	2.27	13	1
1:A:24:TYR:CE2	1:A:46:GLU:HG2	0.64	2.27	13	1
1:A:13:CYS:O	1:A:17:LEU:HG	0.63	1.93	16	17
1:A:88:ALA:HA	1:B:14:ILE:HG23	0.63	1.68	6	15
1:B:42:PHE:O	1:B:46:GLU:HG3	0.63	1.93	13	1
1:B:13:CYS:O	1:B:17:LEU:HG	0.63	1.93	16	17
1:A:42:PHE:O	1:A:46:GLU:HG3	0.62	1.93	13	1
1:B:12:ARG:HD2	1:B:13:CYS:N	0.61	2.10	15	12
1:A:43:MET:HA	1:A:46:GLU:OE2	0.61	1.95	13	1
1:A:12:ARG:HD2	1:A:13:CYS:N	0.61	2.10	15	12
1:B:67:LEU:HD13	1:B:83:LEU:HB2	0.61	1.73	1	17
1:A:16:SER:O	1:A:20:VAL:HG13	0.60	1.96	3	15
1:B:20:VAL:HG22	1:B:42:PHE:CE2	0.60	2.31	15	1
1:A:39:PHE:O	1:A:43:MET:HB2	0.60	1.96	18	1
1:A:36:LYS:O	1:A:40:LEU:HD23	0.60	1.96	12	5
1:B:16:SER:O	1:B:20:VAL:HG13	0.60	1.96	3	15
1:A:20:VAL:HG22	1:A:42:PHE:CE2	0.60	2.32	15	1
1:A:67:LEU:O	1:A:79:GLU:HG3	0.60	1.96	2	1
1:A:67:LEU:HD13	1:A:83:LEU:HB2	0.60	1.73	1	15
1:B:36:LYS:O	1:B:40:LEU:HD23	0.60	1.96	12	5
1:B:67:LEU:O	1:B:79:GLU:HG3	0.60	1.96	2	1
1:A:24:TYR:HB3	1:A:42:PHE:CD2	0.60	2.32	13	4
1:B:43:MET:HA	1:B:46:GLU:OE2	0.60	1.95	13	1
1:B:16:SER:O	1:B:20:VAL:HG12	0.59	1.97	7	4
1:B:80:PHE:O	1:B:83:LEU:HB3	0.59	1.98	13	20
1:B:39:PHE:O	1:B:43:MET:HB2	0.59	1.96	18	1
1:B:20:VAL:HB	1:B:24:TYR:OH	0.59	1.98	20	1
1:A:16:SER:O	1:A:20:VAL:HG12	0.58	1.97	7	4
1:A:20:VAL:HB	1:A:24:TYR:OH	0.58	1.98	20	1
1:B:36:LYS:HA	1:B:39:PHE:CZ	0.58	2.33	12	8
1:A:80:PHE:O	1:A:83:LEU:HB3	0.58	1.97	13	20

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:85:GLY:O	1:B:89:MET:HG3	0.58	1.98	9	16
1:A:36:LYS:HA	1:A:39:PHE:CZ	0.58	2.33	12	8
1:B:24:TYR:HB3	1:B:42:PHE:CD2	0.58	2.32	13	4
1:A:12:ARG:HD3	1:A:13:CYS:N	0.58	2.14	8	5
1:A:85:GLY:O	1:A:89:MET:HG3	0.58	1.98	9	16
1:B:12:ARG:HD3	1:B:13:CYS:N	0.58	2.14	8	5
1:B:90:ALA:HA	1:B:93:ASP:OD2	0.58	1.99	14	3
1:A:64:MET:SD	1:A:65:LYS:HE3	0.58	2.39	12	1
1:A:85:GLY:HA2	1:B:81:LEU:HD13	0.58	1.76	15	1
1:A:90:ALA:HA	1:A:93:ASP:OD2	0.57	1.99	14	3
1:B:7:PRO:HA	1:B:11:GLU:OE1	0.57	1.99	15	4
1:A:77:PHE:O	1:A:81:LEU:HG	0.57	2.00	20	16
1:A:81:LEU:HD13	1:B:85:GLY:HA2	0.57	1.76	15	2
1:B:64:MET:SD	1:B:65:LYS:HE3	0.57	2.40	12	1
1:B:44:ASN:O	1:B:48:ALA:HB2	0.57	2.00	20	18
1:B:77:PHE:O	1:B:81:LEU:HG	0.56	1.99	20	17
1:A:42:PHE:HA	1:A:45:THR:OG1	0.56	2.00	20	3
1:B:20:VAL:O	1:B:23:LYS:HG2	0.56	1.99	15	8
1:A:20:VAL:O	1:A:23:LYS:HG2	0.56	2.00	15	6
1:A:36:LYS:HA	1:A:39:PHE:CE2	0.56	2.35	20	7
1:B:36:LYS:HA	1:B:39:PHE:CE2	0.56	2.35	20	7
1:B:42:PHE:HA	1:B:45:THR:OG1	0.56	2.00	20	3
1:B:63:MET:O	1:B:67:LEU:HG	0.56	2.01	7	18
1:B:8:THR:O	1:B:12:ARG:HG3	0.56	2.01	4	3
1:A:88:ALA:HA	1:B:14:ILE:CG2	0.56	2.30	6	15
1:A:63:MET:O	1:A:67:LEU:HG	0.56	2.00	7	18
1:A:91:CYS:SG	1:B:18:ILE:HD11	0.55	2.41	9	1
1:B:33:THR:HB	1:B:74:GLN:OE1	0.55	2.01	5	8
1:B:11:GLU:O	1:B:15:GLU:HG3	0.55	2.01	15	11
1:A:18:ILE:HD11	1:B:91:CYS:SG	0.55	2.41	9	1
1:B:43:MET:CE	1:B:60:LEU:HB3	0.55	2.31	9	2
1:A:43:MET:CE	1:A:60:LEU:HB3	0.55	2.31	9	2
1:A:7:PRO:HA	1:A:11:GLU:OE1	0.55	2.01	15	4
1:A:44:ASN:O	1:A:48:ALA:HB2	0.55	2.01	20	19
1:A:14:ILE:CG2	1:B:88:ALA:HA	0.55	2.30	6	15
1:A:92:HIS:CE1	1:B:18:ILE:HA	0.55	2.37	1	1
1:A:33:THR:HB	1:A:74:GLN:OE1	0.55	2.02	5	8
1:A:11:GLU:O	1:A:15:GLU:HG3	0.55	2.02	15	11
1:A:8:THR:O	1:A:12:ARG:HG3	0.55	2.01	4	4
1:A:77:PHE:HB3	1:B:89:MET:SD	0.55	2.42	10	1
1:A:36:LYS:HD3	1:A:64:MET:SD	0.55	2.42	12	6

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:89:MET:SD	1:B:77:PHE:HB3	0.55	2.42	10	1
1:A:16:SER:HB2	1:B:13:CYS:SG	0.54	2.42	17	6
1:A:58:GLY:O	1:A:62:ARG:HG3	0.54	2.02	17	13
1:B:36:LYS:HD3	1:B:64:MET:SD	0.54	2.42	12	6
1:A:18:ILE:HA	1:B:92:HIS:CE1	0.54	2.37	1	1
1:A:68:ASP:OD2	1:A:71:SER:HA	0.54	2.02	12	7
1:A:67:LEU:CD1	1:A:83:LEU:HB2	0.54	2.33	18	18
1:B:67:LEU:CD1	1:B:83:LEU:HB2	0.53	2.33	18	18
1:B:58:GLY:O	1:B:62:ARG:HG3	0.53	2.03	17	13
1:A:13:CYS:SG	1:B:16:SER:HB2	0.53	2.43	17	6
1:B:68:ASP:OD2	1:B:71:SER:HA	0.53	2.04	12	7
1:B:24:TYR:HA	1:B:42:PHE:CD2	0.53	2.38	19	1
1:B:61:ASP:O	1:B:65:LYS:HG2	0.53	2.03	18	1
1:A:24:TYR:HA	1:A:42:PHE:CD2	0.53	2.38	19	1
1:A:61:ASP:O	1:A:65:LYS:HG2	0.52	2.03	18	1
1:A:8:THR:OG1	1:A:11:GLU:HG3	0.52	2.05	6	8
1:B:8:THR:OG1	1:B:11:GLU:HG3	0.52	2.04	5	8
1:A:9:GLU:CG	1:B:16:SER:HB3	0.51	2.35	3	8
1:B:35:SER:HB3	1:B:38:GLU:OE1	0.51	2.06	15	2
1:B:62:ARG:O	1:B:66:LYS:HG2	0.51	2.06	9	2
1:A:16:SER:HB3	1:B:9:GLU:CG	0.51	2.36	3	8
1:A:62:ARG:O	1:A:66:LYS:HG2	0.51	2.05	9	2
1:A:35:SER:HB3	1:A:38:GLU:OE1	0.50	2.06	15	3
1:A:39:PHE:CZ	1:A:75:LEU:HD12	0.50	2.42	9	1
1:B:41:SER:HA	1:B:44:ASN:ND2	0.50	2.22	7	1
1:A:20:VAL:HG11	1:B:9:GLU:OE1	0.50	2.06	15	1
1:B:44:ASN:OD1	1:B:60:LEU:HD11	0.50	2.07	16	1
1:B:39:PHE:CZ	1:B:75:LEU:HD12	0.50	2.42	9	1
1:A:9:GLU:OE1	1:B:20:VAL:HG11	0.50	2.07	15	1
1:B:44:ASN:OD1	1:B:51:THR:HG21	0.50	2.07	4	1
1:A:41:SER:HA	1:A:44:ASN:ND2	0.50	2.22	7	1
1:B:76:ASP:OD2	1:B:79:GLU:HG2	0.49	2.08	5	3
1:A:76:ASP:OD2	1:A:79:GLU:HG2	0.49	2.07	5	3
1:A:44:ASN:OD1	1:A:60:LEU:HD11	0.49	2.08	16	1
1:B:63:MET:O	1:B:66:LYS:HG3	0.49	2.07	9	2
1:A:92:HIS:HA	1:B:18:ILE:CG1	0.49	2.38	6	1
1:A:44:ASN:OD1	1:A:51:THR:HG21	0.49	2.08	4	1
1:A:76:ASP:OD1	1:A:79:GLU:HG2	0.49	2.08	15	2
1:A:63:MET:O	1:A:66:LYS:HG3	0.48	2.07	9	2
1:B:76:ASP:OD2	1:B:79:GLU:HG3	0.48	2.09	6	1
1:A:9:GLU:O	1:A:12:ARG:HG3	0.48	2.09	6	3

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:24:TYR:CB	1:A:34:LEU:HD21	0.48	2.35	19	2
1:A:33:THR:HG23	1:A:76:ASP:CA	0.48	2.39	4	1
1:B:33:THR:HG23	1:B:76:ASP:CA	0.48	2.39	4	1
1:A:18:ILE:CG1	1:B:92:HIS:HA	0.47	2.39	6	1
1:A:21:PHE:O	1:A:25:ALA:HB3	0.47	2.09	18	1
1:B:9:GLU:O	1:B:12:ARG:HG3	0.47	2.09	6	3
1:B:37:THR:HA	1:B:40:LEU:HG	0.47	1.86	9	2
1:A:34:LEU:HD23	1:A:38:GLU:HB2	0.47	1.86	9	1
1:B:76:ASP:OD1	1:B:79:GLU:HG2	0.47	2.08	15	2
1:A:23:LYS:HD2	1:A:24:TYR:CE2	0.47	2.45	11	1
1:A:37:THR:HA	1:A:40:LEU:HG	0.46	1.86	9	2
1:B:24:TYR:HD2	1:B:34:LEU:HD11	0.46	1.70	20	1
1:B:21:PHE:O	1:B:25:ALA:HB3	0.46	2.09	18	1
1:B:23:LYS:HD2	1:B:24:TYR:CE2	0.46	2.46	11	1
1:B:44:ASN:O	1:B:52:LYS:HE3	0.46	2.11	19	1
1:B:36:LYS:HD2	1:B:39:PHE:CZ	0.46	2.46	14	3
1:A:49:ALA:HB3	1:B:11:GLU:OE2	0.46	2.11	20	2
1:B:34:LEU:HD23	1:B:38:GLU:HB2	0.46	1.87	9	1
1:B:15:GLU:O	1:B:18:ILE:HB	0.46	2.11	8	5
1:B:76:ASP:OD1	1:B:79:GLU:HG3	0.46	2.11	18	3
1:A:76:ASP:HB3	1:A:79:GLU:OE2	0.46	2.11	18	1
1:A:42:PHE:CZ	1:A:80:PHE:HE1	0.46	2.29	7	2
1:B:42:PHE:CZ	1:B:80:PHE:HE1	0.46	2.29	7	2
1:B:38:GLU:O	1:B:42:PHE:CD2	0.46	2.69	12	3
1:A:24:TYR:HD2	1:A:34:LEU:HD11	0.46	1.70	20	1
1:B:51:THR:HG23	1:B:60:LEU:HD21	0.45	1.88	5	1
1:B:24:TYR:CB	1:B:34:LEU:HD21	0.45	2.34	19	2
1:B:76:ASP:HB3	1:B:79:GLU:OE2	0.45	2.11	18	1
1:B:67:LEU:CB	1:B:75:LEU:HD22	0.45	2.40	20	1
1:A:11:GLU:OE2	1:B:49:ALA:HB3	0.45	2.11	20	3
1:A:38:GLU:O	1:A:42:PHE:CD2	0.45	2.69	12	3
1:A:15:GLU:O	1:A:18:ILE:HB	0.45	2.11	8	5
1:A:13:CYS:SG	1:A:14:ILE:N	0.45	2.90	16	1
1:A:67:LEU:CB	1:A:75:LEU:HD22	0.45	2.40	20	1
1:A:36:LYS:HD2	1:A:39:PHE:CZ	0.45	2.46	14	3
1:A:34:LEU:HD22	1:A:39:PHE:HB3	0.45	1.89	19	1
1:A:76:ASP:OD2	1:A:79:GLU:HG3	0.45	2.11	6	1
1:B:43:MET:HG2	1:B:51:THR:OG1	0.45	2.12	8	1
1:A:21:PHE:CE1	1:A:80:PHE:HD2	0.45	2.30	10	1
1:A:43:MET:HG2	1:A:51:THR:OG1	0.44	2.12	8	1
1:B:23:LYS:HD2	1:B:24:TYR:CD2	0.44	2.47	11	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:67:LEU:O	1:A:69:THR:N	0.44	2.51	16	8
1:B:21:PHE:CE1	1:B:80:PHE:HD2	0.44	2.30	10	1
1:A:20:VAL:HG11	1:B:9:GLU:HB3	0.44	1.88	6	3
1:B:34:LEU:HD22	1:B:39:PHE:HB3	0.44	1.89	19	1
1:B:67:LEU:O	1:B:69:THR:N	0.44	2.51	2	9
1:A:23:LYS:HD2	1:A:24:TYR:CD2	0.44	2.47	11	1
1:A:92:HIS:CG	1:B:18:ILE:HG12	0.44	2.48	6	1
1:B:33:THR:HB	1:B:74:GLN:CB	0.44	2.43	3	1
1:A:67:LEU:HB2	1:A:75:LEU:CD2	0.44	2.43	16	4
1:B:67:LEU:HB2	1:B:75:LEU:CD2	0.44	2.43	16	4
1:A:18:ILE:HG12	1:B:92:HIS:CG	0.44	2.48	6	1
1:A:81:LEU:CD1	1:B:88:ALA:HB3	0.44	2.43	9	2
1:A:76:ASP:OD1	1:A:79:GLU:HG3	0.44	2.11	18	2
1:B:13:CYS:SG	1:B:14:ILE:N	0.44	2.90	16	1
1:A:12:ARG:HD3	1:A:12:ARG:C	0.44	2.33	3	2
1:A:51:THR:HG23	1:A:60:LEU:HD21	0.44	1.89	5	1
1:A:13:CYS:HA	1:B:13:CYS:SG	0.44	2.53	14	3
1:A:13:CYS:SG	1:B:13:CYS:HA	0.44	2.53	14	3
1:A:77:PHE:CE2	1:B:88:ALA:HB1	0.44	2.48	8	3
1:A:9:GLU:HB3	1:B:20:VAL:HG11	0.43	1.89	6	3
1:A:44:ASN:O	1:A:52:LYS:HE3	0.43	2.12	19	1
1:A:33:THR:HB	1:A:74:GLN:CB	0.43	2.43	3	1
1:B:80:PHE:O	1:B:84:ILE:HG12	0.43	2.13	17	1
1:B:83:LEU:HG	1:B:87:LEU:CD1	0.43	2.44	13	1
1:A:16:SER:CB	1:B:13:CYS:SG	0.43	3.07	14	1
1:A:80:PHE:O	1:A:84:ILE:HG12	0.43	2.13	17	2
1:A:9:GLU:HG3	1:B:16:SER:HB3	0.43	1.91	8	8
1:A:8:THR:HG21	1:B:46:GLU:CA	0.43	2.39	10	2
1:B:34:LEU:HD13	1:B:80:PHE:CE1	0.43	2.49	6	1
1:A:34:LEU:HD13	1:A:80:PHE:CE1	0.43	2.49	6	1
1:B:24:TYR:CD1	1:B:42:PHE:CG	0.43	3.07	19	1
1:A:34:LEU:HD13	1:A:80:PHE:CZ	0.43	2.49	6	1
1:B:39:PHE:HB2	1:B:43:MET:SD	0.43	2.54	16	1
1:A:16:SER:HB3	1:B:9:GLU:HG3	0.43	1.91	8	5
1:A:46:GLU:OE2	1:A:47:LEU:HG	0.43	2.14	13	1
1:A:13:CYS:SG	1:B:16:SER:CB	0.43	3.07	14	1
1:A:24:TYR:CD1	1:A:42:PHE:CG	0.43	3.07	19	1
1:B:34:LEU:HD13	1:B:80:PHE:CZ	0.42	2.48	6	1
1:A:39:PHE:HB2	1:A:43:MET:SD	0.42	2.54	16	1
1:B:12:ARG:HD3	1:B:12:ARG:C	0.42	2.33	3	2
1:A:83:LEU:HG	1:A:87:LEU:CD1	0.42	2.44	13	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:46:GLU:OE2	1:B:47:LEU:HG	0.42	2.13	13	1
1:A:88:ALA:HB1	1:B:77:PHE:CE2	0.42	2.49	20	3
1:A:81:LEU:HD11	1:B:88:ALA:HB3	0.42	1.90	9	1
1:A:8:THR:HB	1:B:46:GLU:OE1	0.42	2.15	9	1
1:B:20:VAL:O	1:B:24:TYR:CD1	0.42	2.73	19	1
1:A:10:THR:O	1:A:14:ILE:HG13	0.42	2.15	9	1
1:A:43:MET:O	1:A:47:LEU:HB2	0.42	2.15	19	1
1:A:9:GLU:O	1:A:13:CYS:HB3	0.41	2.15	16	1
1:A:13:CYS:HG	1:B:17:LEU:HD21	0.41	1.72	1	1
1:B:24:TYR:CD1	1:B:42:PHE:HD2	0.41	2.33	14	1
1:A:77:PHE:CZ	1:B:92:HIS:HB3	0.41	2.50	9	1
1:A:24:TYR:CD1	1:A:42:PHE:HD2	0.41	2.33	14	1
1:A:17:LEU:HD13	1:A:81:LEU:CD2	0.41	2.46	9	1
1:B:10:THR:O	1:B:14:ILE:HG13	0.41	2.15	9	1
1:A:13:CYS:O	1:A:16:SER:HB2	0.41	2.16	13	1
1:B:13:CYS:O	1:B:16:SER:HB2	0.41	2.16	13	1
1:B:43:MET:O	1:B:47:LEU:HB2	0.41	2.15	19	1
1:B:35:SER:HB3	1:B:38:GLU:HG2	0.41	1.93	16	1
1:A:88:ALA:HB3	1:B:81:LEU:CD1	0.41	2.45	15	2
1:A:20:VAL:O	1:A:24:TYR:CD1	0.41	2.73	19	1
1:A:52:LYS:HA	1:A:52:LYS:HE2	0.41	1.92	11	1
1:A:69:THR:HG22	1:A:79:GLU:CD	0.41	2.36	2	1
1:B:52:LYS:HA	1:B:52:LYS:HE2	0.41	1.93	11	1
1:A:58:GLY:O	1:A:61:ASP:HB3	0.40	2.16	1	1
1:B:17:LEU:HD13	1:B:81:LEU:CD2	0.40	2.46	9	1
1:B:9:GLU:O	1:B:13:CYS:HB3	0.40	2.15	16	1
1:A:46:GLU:CA	1:B:8:THR:HG21	0.40	2.40	5	1
1:B:58:GLY:O	1:B:61:ASP:HB3	0.40	2.16	1	1
1:A:16:SER:HB2	1:B:9:GLU:OE2	0.40	2.16	4	1
1:B:18:ILE:O	1:B:22:GLN:HB2	0.40	2.16	14	1
1:A:16:SER:HB3	1:B:9:GLU:HG2	0.40	1.93	15	1
1:B:12:ARG:HD2	1:B:12:ARG:C	0.40	2.37	7	1
1:A:35:SER:HB3	1:A:38:GLU:HG2	0.40	1.93	11	1
1:A:18:ILE:O	1:A:22:GLN:HB2	0.40	2.16	14	1
1:A:39:PHE:HA	1:A:42:PHE:HB3	0.40	1.92	15	1
1:B:39:PHE:HA	1:B:42:PHE:HB3	0.40	1.92	15	1
1:A:43:MET:HG3	1:A:47:LEU:HD12	0.40	1.93	17	1
1:B:43:MET:HG3	1:B:47:LEU:HD12	0.40	1.93	17	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	78/105 (74%)	74±1 (95±1%)	3±1 (4±1%)	1±0 (1±1%)	24	71
1	B	78/105 (74%)	74±1 (95±1%)	3±1 (4±1%)	1±0 (1±1%)	24	71
All	All	3120/4200 (74%)	2975 (95%)	121 (4%)	24 (1%)	24	71

All 2 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	68	ASP	12
1	B	68	ASP	12

### 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	67/91 (74%)	60±1 (90±2%)	7±1 (10±2%)	11	56
1	B	67/91 (74%)	60±1 (90±2%)	7±1 (10±2%)	11	56
All	All	2680/3640 (74%)	2408 (90%)	272 (10%)	11	56

All 40 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	10	THR	20
1	A	12	ARG	20
1	A	34	LEU	20
1	B	10	THR	20
1	B	12	ARG	20

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Mol	Chain	Res	Type	Models (Total)
1	B	34	LEU	20
1	A	33	THR	18
1	A	76	ASP	18
1	B	33	THR	18
1	B	76	ASP	18
1	A	13	CYS	8
1	B	13	CYS	8
1	A	22	GLN	6
1	B	22	GLN	6
1	A	78	SER	5
1	B	78	SER	5
1	A	38	GLU	3
1	B	38	GLU	3
1	A	43	MET	3
1	B	43	MET	3
1	A	80	PHE	3
1	B	80	PHE	3
1	A	82	ASN	2
1	B	82	ASN	2
1	A	92	HIS	2
1	B	92	HIS	2
1	A	69	THR	2
1	B	69	THR	2
1	A	79	GLU	1
1	B	79	GLU	1
1	A	77	PHE	1
1	B	77	PHE	1
1	A	18	ILE	1
1	B	18	ILE	1
1	A	23	LYS	1
1	B	23	LYS	1
1	A	46	GLU	1
1	B	46	GLU	1
1	A	24	TYR	1
1	B	24	TYR	1

### 6.3.3 RNA

There are no RNA molecules in this entry.



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

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

## 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 i

The completeness of assignment taking into account all chemical shift lists is 39% for the well-defined parts and 33% 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 i

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	938
Number of shifts mapped to atoms	938
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	1

#### 7.1.2 Chemical shift referencing i

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction $\pm$ precision, ppm	Suggested action
$^{13}\text{C}_\alpha$	91	$-0.10 \pm 0.15$	None needed ( $< 0.5$ ppm)
$^{13}\text{C}_\beta$	84	$0.29 \pm 0.12$	None needed ( $< 0.5$ ppm)
$^{13}\text{C}'$	90	$-0.29 \pm 0.08$	None needed ( $< 0.5$ ppm)
$^{15}\text{N}$	87	$0.57 \pm 0.23$	Should be applied

#### 7.1.3 Completeness of resonance assignments i

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 39%, i.e. 806 atoms were assigned a chemical shift out of a possible 2078. 0 out of 24 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	$^1\text{H}$	$^{13}\text{C}$	$^{15}\text{N}$
Backbone	390/786 (50%)	158/320 (49%)	156/312 (50%)	76/154 (49%)
Sidechain	416/1118 (37%)	271/730 (37%)	145/356 (41%)	0/32 (0%)

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	<b>Total</b>	<b><sup>1</sup>H</b>	<b><sup>13</sup>C</b>	<b><sup>15</sup>N</b>
Aromatic	0/174 (0%)	0/86 (0%)	0/84 (0%)	0/4 (0%)
Overall	806/2078 (39%)	429/1136 (38%)	301/752 (40%)	76/190 (40%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 33%, i.e. 938 atoms were assigned a chemical shift out of a possible 2814. 0 out of 28 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	<b>Total</b>	<b><sup>1</sup>H</b>	<b><sup>13</sup>C</b>	<b><sup>15</sup>N</b>
Backbone	450/1050 (43%)	182/426 (43%)	181/420 (43%)	87/204 (43%)
Sidechain	488/1554 (31%)	316/1008 (31%)	172/490 (35%)	0/56 (0%)
Aromatic	0/210 (0%)	0/102 (0%)	0/104 (0%)	0/4 (0%)
Overall	938/2814 (33%)	498/1536 (32%)	353/1014 (35%)	87/264 (33%)

#### 7.1.4 Statistically unusual chemical shifts [i](#)

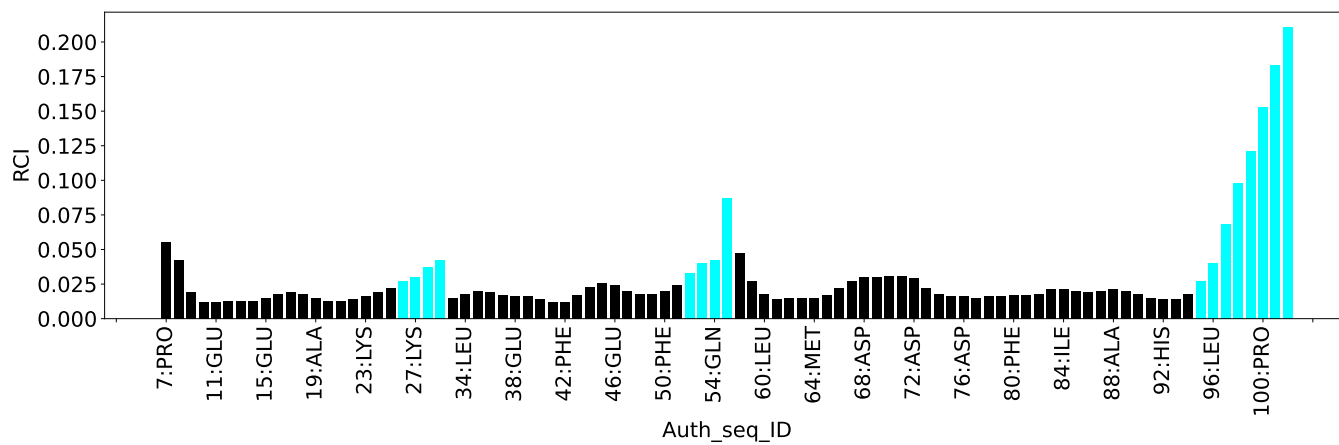
The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

List Id	Chain	Res	Type	Atom	Shift, ppm	Expected range, ppm	Z-score
1	A	46	GLU	HB3	0.80	0.95 – 3.05	-5.7

#### 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:



## 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	6130
Intra-residue ( $ i-j =0$ )	1830
Sequential ( $ i-j =1$ )	1426
Medium range ( $ i-j >1$ and $ i-j <5$ )	1550
Long range ( $ i-j \geq 5$ )	808
Inter-chain	400
Hydrogen bond restraints	116
Disulfide bond restraints	0
Total dihedral-angle restraints	332
Number of unmapped restraints	0
Number of restraints per residue	30.8
Number of long range restraints per residue <sup>1</sup>	3.9

<sup>1</sup>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)	132.6	0.2
0.2-0.5 (Medium)	100.3	0.5
>0.5 (Large)	101.7	3.03

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

Dihedral-angle violations less than 1° are not included in the calculation.

Bins (°)	Average number of violations per model	Max (°)
1.0-10.0 (Small)	12.9	5.6
10.0-20.0 (Medium)	None	None
>20.0 (Large)	None	None

## 9 Distance violation analysis i

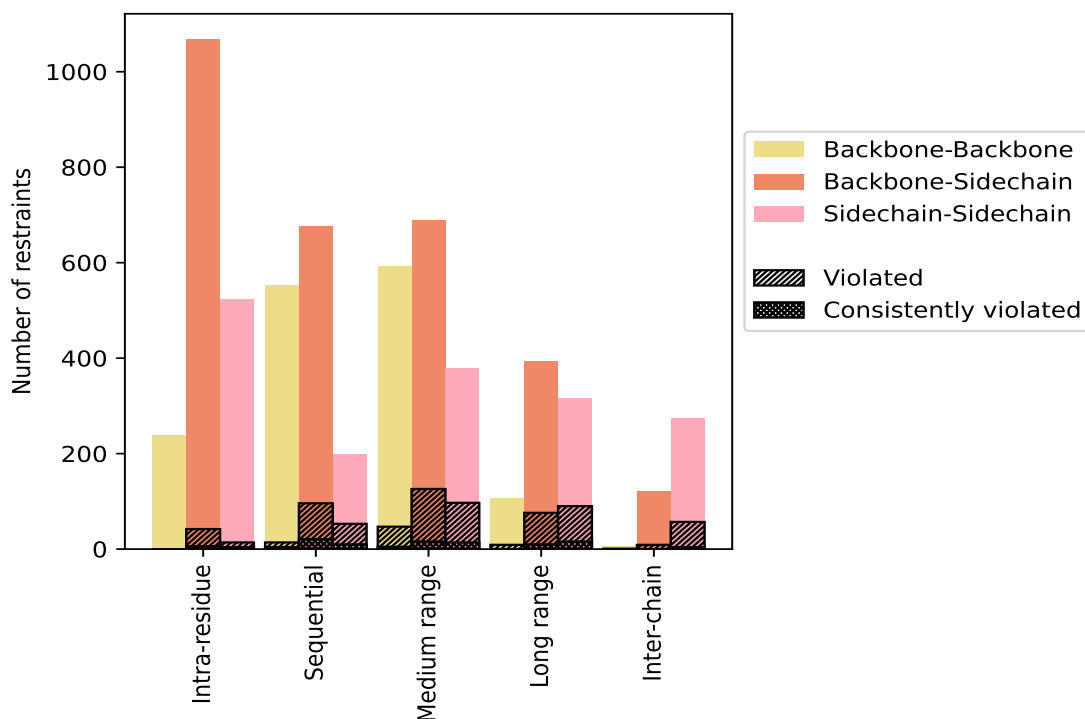
### 9.1 Summary of distance violations i

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.

Restrains type	Count	% <sup>1</sup>	Violated <sup>3</sup>			Consistently Violated <sup>4</sup>		
			Count	% <sup>2</sup>	% <sup>1</sup>	Count	% <sup>2</sup>	% <sup>1</sup>
<b>Intra-residue (<math> i-j =0</math>)</b>	<b>1830</b>	<b>29.9</b>	<b>56</b>	<b>3.1</b>	<b>0.9</b>	<b>10</b>	<b>0.5</b>	<b>0.2</b>
Backbone-Backbone	238	3.9	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	1068	17.4	42	3.9	0.7	6	0.6	0.1
Sidechain-Sidechain	524	8.5	14	2.7	0.2	4	0.8	0.1
<b>Sequential (<math> i-j =1</math>)</b>	<b>1426</b>	<b>23.3</b>	<b>163</b>	<b>11.4</b>	<b>2.7</b>	<b>35</b>	<b>2.5</b>	<b>0.6</b>
Backbone-Backbone	552	9.0	14	2.5	0.2	4	0.7	0.1
Backbone-Sidechain	676	11.0	96	14.2	1.6	21	3.1	0.3
Sidechain-Sidechain	198	3.2	53	26.8	0.9	10	5.1	0.2
<b>Medium range (<math> i-j &gt;1</math> &amp; <math> i-j &lt;5</math>)</b>	<b>1550</b>	<b>25.3</b>	<b>259</b>	<b>16.7</b>	<b>4.2</b>	<b>35</b>	<b>2.3</b>	<b>0.6</b>
Backbone-Backbone	484	7.9	36	7.4	0.6	5	1.0	0.1
Backbone-Sidechain	688	11.2	126	18.3	2.1	16	2.3	0.3
Sidechain-Sidechain	378	6.2	97	25.7	1.6	14	3.7	0.2
<b>Long range (<math> i-j \geq 5</math>)</b>	<b>808</b>	<b>13.2</b>	<b>175</b>	<b>21.7</b>	<b>2.9</b>	<b>26</b>	<b>3.2</b>	<b>0.4</b>
Backbone-Backbone	98	1.6	9	9.2	0.1	0	0.0	0.0
Backbone-Sidechain	394	6.4	76	19.3	1.2	10	2.5	0.2
Sidechain-Sidechain	316	5.2	90	28.5	1.5	16	5.1	0.3
<b>Inter-chain</b>	<b>400</b>	<b>6.5</b>	<b>67</b>	<b>16.8</b>	<b>1.1</b>	<b>4</b>	<b>1.0</b>	<b>0.1</b>
Backbone-Backbone	6	0.1	1	16.7	0.0	0	0.0	0.0
Backbone-Sidechain	120	2.0	9	7.5	0.1	0	0.0	0.0
Sidechain-Sidechain	274	4.5	57	20.8	0.9	4	1.5	0.1
<b>Hydrogen bond</b>	<b>116</b>	<b>1.9</b>	<b>11</b>	<b>9.5</b>	<b>0.2</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>
<b>Disulfide bond</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>
<b>Total</b>	<b>6130</b>	<b>100.0</b>	<b>731</b>	<b>11.9</b>	<b>11.9</b>	<b>110</b>	<b>1.8</b>	<b>1.8</b>
Backbone-Backbone	1494	24.4	71	4.8	1.2	9	0.6	0.1
Backbone-Sidechain	2946	48.1	349	11.8	5.7	53	1.8	0.9
Sidechain-Sidechain	1690	27.6	311	18.4	5.1	48	2.8	0.8

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

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



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

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

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 <sup>6</sup> (Å)	Median (Å)
	IR <sup>1</sup>	SQ <sup>2</sup>	MR <sup>3</sup>	LR <sup>4</sup>	IC <sup>5</sup>	Total				
1	18	88	120	84	14	324	0.46	2.51	0.42	0.29
2	20	88	124	88	27	347	0.48	2.83	0.45	0.32
3	18	81	132	88	20	339	0.47	2.8	0.46	0.28
4	16	88	137	93	25	359	0.45	2.59	0.42	0.28
5	20	92	122	86	32	352	0.43	2.87	0.4	0.25
6	23	80	112	87	32	334	0.47	2.82	0.44	0.3
7	14	85	134	84	12	329	0.46	2.61	0.4	0.27
8	22	87	133	92	27	361	0.43	2.8	0.42	0.27
9	14	88	138	78	9	327	0.45	2.87	0.42	0.27
10	22	76	109	78	22	307	0.44	2.76	0.4	0.32
11	16	90	112	80	26	324	0.42	2.82	0.38	0.24

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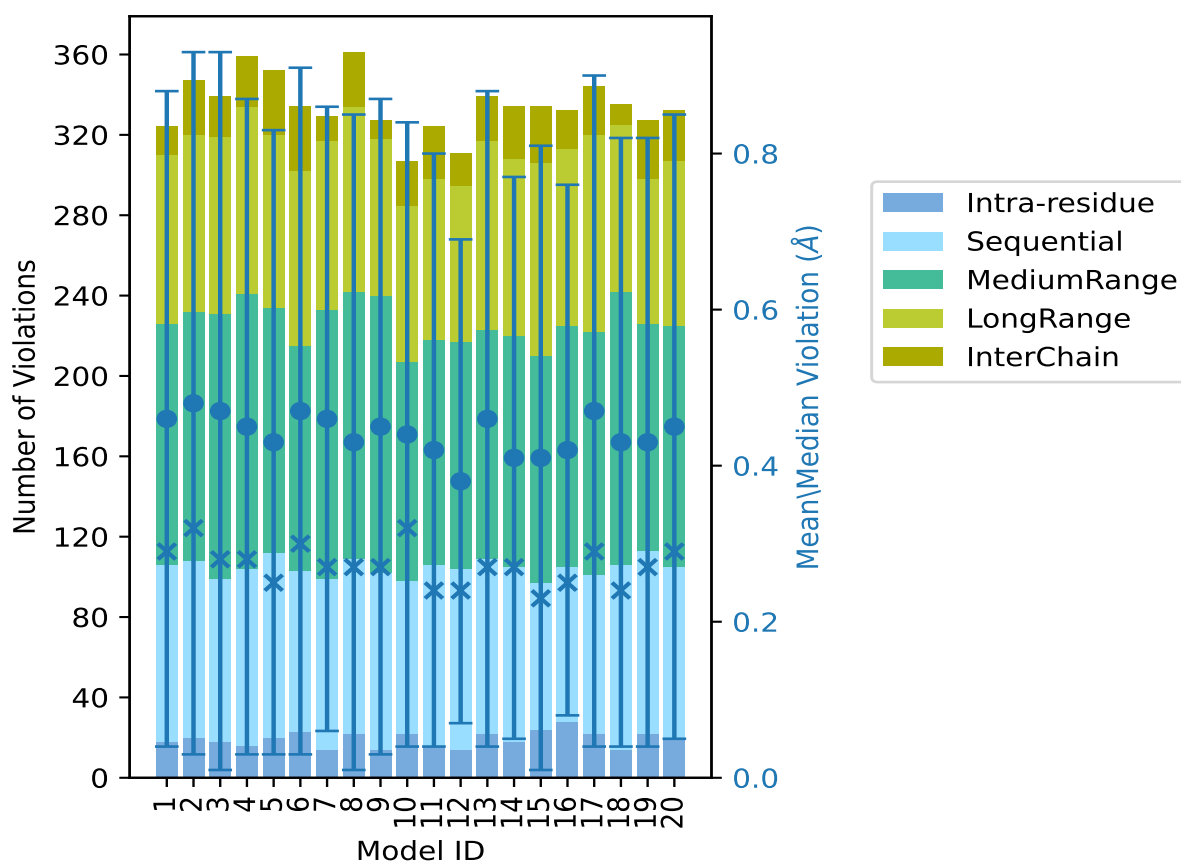


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Model ID	Number of violations					Total	Mean (Å)	Max (Å)	SD <sup>6</sup> (Å)	Median (Å)
	IR <sup>1</sup>	SQ <sup>2</sup>	MR <sup>3</sup>	LR <sup>4</sup>	IC <sup>5</sup>					
12	14	90	113	78	16	311	0.38	1.31	0.31	0.24
13	22	87	114	94	22	339	0.46	2.45	0.42	0.27
14	18	87	115	88	26	334	0.41	2.82	0.36	0.27
15	24	73	113	96	28	334	0.41	3.03	0.4	0.23
16	28	77	120	88	19	332	0.42	1.48	0.34	0.25
17	22	79	121	98	24	344	0.47	2.76	0.43	0.29
18	14	92	136	83	10	335	0.43	2.36	0.39	0.24
19	22	91	113	72	29	327	0.43	2.92	0.39	0.27
20	20	85	120	82	25	332	0.45	2.82	0.4	0.29

<sup>1</sup>Intra-residue restraints, <sup>2</sup>Sequential restraints, <sup>3</sup>Medium range restraints, <sup>4</sup>Long range restraints, <sup>5</sup>Inter-chain restraints, <sup>6</sup>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

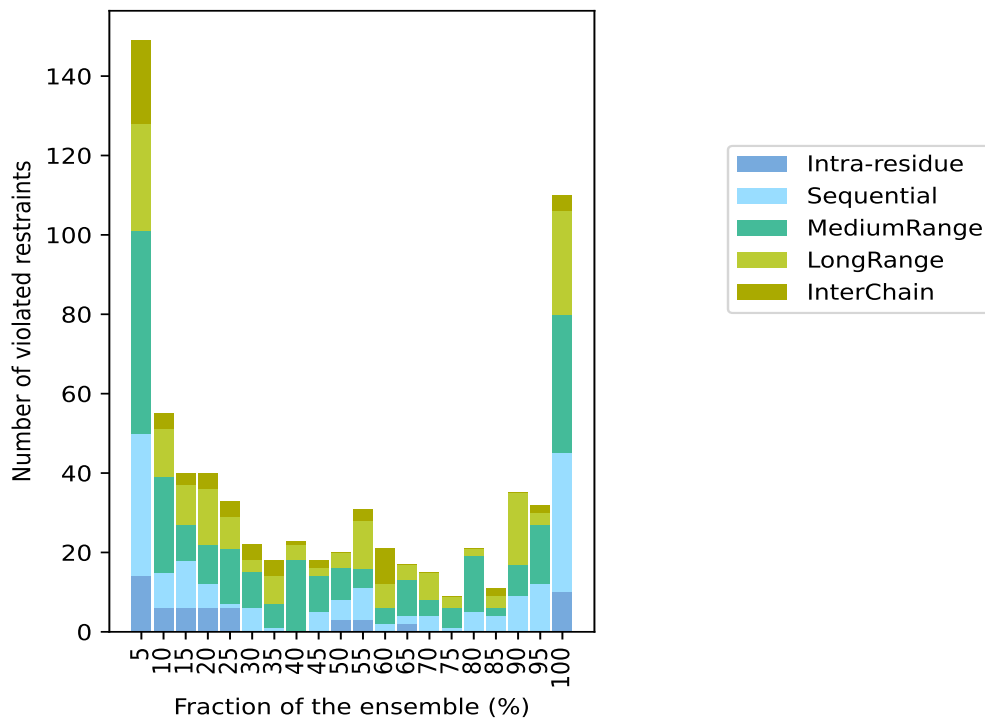
### 9.3 Distance violation statistics for the ensemble

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, 5294(IR:1774, SQ:1263, MR:1291, LR:633, IC:333) restraints are not violated in the ensemble.

Number of violated restraints						Fraction of the ensemble	
IR <sup>1</sup>	SQ <sup>2</sup>	MR <sup>3</sup>	LR <sup>4</sup>	IC <sup>5</sup>	Total	Count <sup>6</sup>	%
14	36	51	27	21	149	1	5.0
6	9	24	12	4	55	2	10.0
6	12	9	10	3	40	3	15.0
6	6	10	14	4	40	4	20.0
6	1	14	8	4	33	5	25.0
0	6	9	3	4	22	6	30.0
0	1	6	7	4	18	7	35.0
0	0	18	4	1	23	8	40.0
0	5	9	2	2	18	9	45.0
3	5	8	4	0	20	10	50.0
3	8	5	12	3	31	11	55.0
0	2	4	6	9	21	12	60.0
2	2	9	4	0	17	13	65.0
0	4	4	7	0	15	14	70.0
0	1	5	3	0	9	15	75.0
0	5	14	2	0	21	16	80.0
0	4	2	3	2	11	17	85.0
0	9	8	18	0	35	18	90.0
0	12	15	3	2	32	19	95.0
10	35	35	26	4	110	20	100.0

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

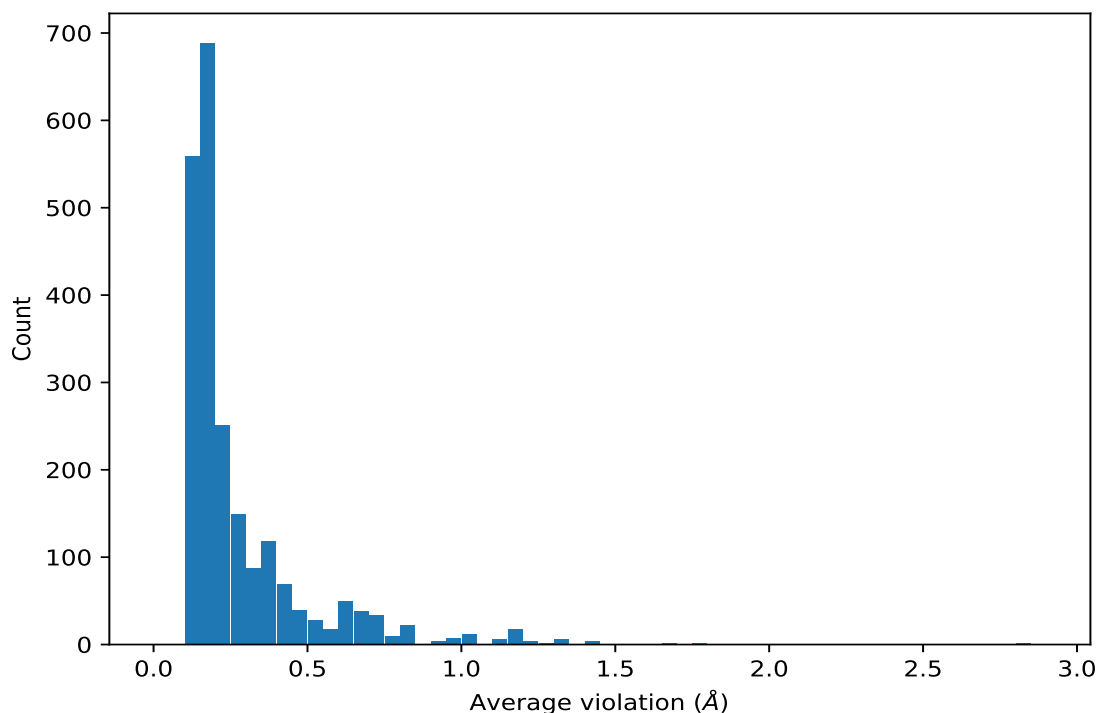
### 9.3.1 Bar graph : Distance violation statistics for the ensemble [i](#)



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

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

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 <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,3909)	1:A:82:ASN:HB2	1:A:75:LEU:HB2	20	1.41	0.18	1.34
(1,3909)	1:A:82:ASN:HB2	1:A:77:PHE:HB3	20	1.41	0.18	1.34
(1,3910)	1:B:82:ASN:HB2	1:B:75:LEU:HB2	20	1.4	0.18	1.34
(1,3910)	1:B:82:ASN:HB2	1:B:77:PHE:HB3	20	1.4	0.18	1.34
(1,139)	1:A:58:GLY:HA3	1:A:36:LYS:HE2	20	1.32	0.16	1.33
(1,139)	1:A:58:GLY:HA3	1:A:36:LYS:HE3	20	1.32	0.16	1.33
(1,140)	1:B:58:GLY:HA3	1:B:36:LYS:HE2	20	1.32	0.16	1.33
(1,140)	1:B:58:GLY:HA3	1:B:36:LYS:HE3	20	1.32	0.16	1.33
(2,145)	1:A:15:GLU:HG2	1:A:11:GLU:HG2	20	1.24	0.17	1.26
(2,146)	1:B:15:GLU:HG2	1:B:11:GLU:HG2	20	1.24	0.17	1.25
(1,486)	1:B:59:VAL:H	1:B:62:ARG:HG2	20	1.19	0.09	1.23
(1,485)	1:A:59:VAL:H	1:A:62:ARG:HG2	20	1.19	0.09	1.23
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG22	20	1.16	0.07	1.16
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG21	20	1.16	0.07	1.16
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG23	20	1.16	0.07	1.16
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG22	20	1.16	0.07	1.16

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG21	20	1.16	0.07	1.16
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG23	20	1.16	0.07	1.16
(1,1596)	1:B:84:ILE:HB	1:B:81:LEU:HB2	20	1.15	0.05	1.15
(1,1595)	1:A:84:ILE:HB	1:A:81:LEU:HB2	20	1.15	0.05	1.15
(1,357)	1:A:73:GLY:HA2	1:A:72:ASP:HB2	20	1.15	0.1	1.18
(1,358)	1:B:73:GLY:HA2	1:B:72:ASP:HB2	20	1.15	0.1	1.18
(1,636)	1:B:62:ARG:HG2	1:B:61:ASP:HB2	20	1.04	0.14	1.06
(1,635)	1:A:62:ARG:HG2	1:A:61:ASP:HB2	20	1.04	0.13	1.04
(1,2138)	1:B:47:LEU:HB2	1:B:50:PHE:HB2	20	1.02	0.12	1.04
(1,2138)	1:B:47:LEU:HB2	1:B:50:PHE:HB3	20	1.02	0.12	1.04
(1,2137)	1:A:47:LEU:HB2	1:A:50:PHE:HB2	20	1.02	0.12	1.04
(1,2137)	1:A:47:LEU:HB2	1:A:50:PHE:HB3	20	1.02	0.12	1.04
(1,4294)	1:B:27:LYS:HB3	1:B:28:ASP:HB3	20	1.01	0.18	1.0
(1,4294)	1:B:7:PRO:HB3	1:B:11:GLU:HG2	20	1.01	0.18	1.0
(1,4294)	1:B:23:LYS:HB2	1:B:24:TYR:HB3	20	1.01	0.18	1.0
(1,4293)	1:A:27:LYS:HB3	1:A:28:ASP:HB3	20	1.01	0.18	1.0
(1,4293)	1:A:7:PRO:HB3	1:A:11:GLU:HG2	20	1.01	0.18	1.0
(1,4293)	1:A:23:LYS:HB2	1:A:24:TYR:HB3	20	1.01	0.18	1.0
(1,5416)	1:B:69:THR:H	1:B:74:GLN:HG2	20	0.97	0.18	1.04
(1,5416)	1:B:69:THR:H	1:B:74:GLN:HG3	20	0.97	0.18	1.04
(1,5416)	1:B:69:THR:H	1:B:75:LEU:HB2	20	0.97	0.18	1.04
(1,5415)	1:A:69:THR:H	1:A:74:GLN:HG2	20	0.97	0.18	1.04
(1,5415)	1:A:69:THR:H	1:A:74:GLN:HG3	20	0.97	0.18	1.04
(1,5415)	1:A:69:THR:H	1:A:75:LEU:HB2	20	0.97	0.18	1.04
(2,154)	1:B:71:SER:H	1:B:73:GLY:HA3	20	0.93	0.06	0.95
(2,153)	1:A:71:SER:H	1:A:73:GLY:HA3	20	0.93	0.06	0.95
(1,319)	1:A:74:GLN:HB3	1:A:76:ASP:HB3	20	0.92	0.39	0.88
(1,320)	1:B:74:GLN:HB3	1:B:76:ASP:HB3	20	0.92	0.39	0.88
(1,1013)	1:A:62:ARG:HB3	1:A:63:MET:HG2	20	0.83	0.08	0.84
(1,1014)	1:B:62:ARG:HB3	1:B:63:MET:HG2	20	0.83	0.08	0.84
(1,3674)	1:B:75:LEU:HB3	1:B:21:PHE:HB3	20	0.8	0.19	0.8
(1,3674)	1:B:75:LEU:HB3	1:B:24:TYR:HB3	20	0.8	0.19	0.8
(1,3674)	1:B:75:LEU:HB3	1:B:42:PHE:HB3	20	0.8	0.19	0.8
(1,3674)	1:B:75:LEU:HB3	1:B:63:MET:HB2	20	0.8	0.19	0.8
(1,3673)	1:A:75:LEU:HB3	1:A:21:PHE:HB3	20	0.8	0.19	0.8
(1,3673)	1:A:75:LEU:HB3	1:A:24:TYR:HB3	20	0.8	0.19	0.8
(1,3673)	1:A:75:LEU:HB3	1:A:42:PHE:HB3	20	0.8	0.19	0.8
(1,3673)	1:A:75:LEU:HB3	1:A:63:MET:HB2	20	0.8	0.19	0.8
(1,3269)	1:A:74:GLN:H	1:A:74:GLN:HB3	20	0.76	0.02	0.76
(1,3270)	1:B:74:GLN:H	1:B:74:GLN:HB3	20	0.75	0.02	0.76
(1,828)	1:B:40:LEU:HA	1:B:39:PHE:HB2	20	0.75	0.52	1.14
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD22	20	0.73	0.07	0.74

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD21	20	0.73	0.07	0.74
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD23	20	0.73	0.07	0.74
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD12	20	0.73	0.07	0.74
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD11	20	0.73	0.07	0.74
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD13	20	0.73	0.07	0.74
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD22	20	0.73	0.07	0.74
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD21	20	0.73	0.07	0.74
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD23	20	0.73	0.07	0.74
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD12	20	0.73	0.07	0.74
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD11	20	0.73	0.07	0.74
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD13	20	0.73	0.07	0.74
(2,86)	1:B:42:PHE:HB2	1:B:47:LEU:H	20	0.71	0.24	0.81
(2,85)	1:A:42:PHE:HB2	1:A:47:LEU:H	20	0.71	0.24	0.81
(1,2695)	1:A:82:ASN:H	1:A:83:LEU:HB2	20	0.71	0.05	0.72
(1,2696)	1:B:82:ASN:H	1:B:83:LEU:HB2	20	0.71	0.05	0.72
(2,15)	1:A:61:ASP:HB2	1:A:62:ARG:HD2	20	0.7	0.21	0.65
(2,16)	1:B:61:ASP:HB2	1:B:62:ARG:HD2	20	0.7	0.21	0.65
(1,296)	1:B:58:GLY:HA2	1:B:59:VAL:HB	20	0.69	0.03	0.7
(1,295)	1:A:58:GLY:HA2	1:A:59:VAL:HB	20	0.69	0.03	0.7
(1,209)	1:A:76:ASP:HA	1:A:34:LEU:HB3	20	0.67	0.17	0.64
(1,210)	1:B:76:ASP:HA	1:B:34:LEU:HB3	20	0.67	0.17	0.63
(1,4106)	1:B:47:LEU:HB2	1:B:60:LEU:HB2	20	0.65	0.07	0.66
(1,4106)	1:B:47:LEU:HB2	1:A:7:PRO:HB3	20	0.65	0.07	0.66
(1,4106)	1:B:47:LEU:HB2	1:A:11:GLU:HB2	20	0.65	0.07	0.66
(1,4106)	1:B:47:LEU:HB2	1:A:11:GLU:HB3	20	0.65	0.07	0.66
(1,4106)	1:B:47:LEU:HB2	1:A:14:ILE:HB	20	0.65	0.07	0.66
(1,4105)	1:A:47:LEU:HB2	1:A:60:LEU:HB2	20	0.65	0.07	0.65
(1,4105)	1:A:47:LEU:HB2	1:B:7:PRO:HB3	20	0.65	0.07	0.65
(1,4105)	1:A:47:LEU:HB2	1:B:11:GLU:HB2	20	0.65	0.07	0.65
(1,4105)	1:A:47:LEU:HB2	1:B:11:GLU:HB3	20	0.65	0.07	0.65
(1,4105)	1:A:47:LEU:HB2	1:B:14:ILE:HB	20	0.65	0.07	0.65
(1,1918)	1:B:94:SER:H	1:B:93:ASP:HB2	20	0.64	0.1	0.66
(1,624)	1:B:34:LEU:HB2	1:B:38:GLU:HB2	20	0.64	0.21	0.62
(1,1917)	1:A:94:SER:H	1:A:93:ASP:HB2	20	0.64	0.1	0.65
(1,623)	1:A:34:LEU:HB2	1:A:38:GLU:HB2	20	0.64	0.22	0.62
(1,3568)	1:B:17:LEU:HG	1:A:89:MET:HG3	20	0.64	0.1	0.62
(1,3568)	1:B:17:LEU:HG	1:B:15:GLU:HG2	20	0.64	0.1	0.62
(1,3568)	1:B:17:LEU:HG	1:B:21:PHE:HB3	20	0.64	0.1	0.62
(1,3567)	1:A:17:LEU:HG	1:B:89:MET:HG3	20	0.64	0.1	0.62
(1,3567)	1:A:17:LEU:HG	1:A:15:GLU:HG2	20	0.64	0.1	0.62
(1,3567)	1:A:17:LEU:HG	1:A:21:PHE:HB3	20	0.64	0.1	0.62
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD22	20	0.62	0.12	0.64

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD21	20	0.62	0.12	0.64
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD23	20	0.62	0.12	0.64
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD22	20	0.62	0.12	0.64
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD21	20	0.62	0.12	0.64
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD23	20	0.62	0.12	0.64
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD22	20	0.62	0.12	0.64
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD21	20	0.62	0.12	0.64
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD23	20	0.62	0.12	0.64
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD22	20	0.62	0.12	0.64
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD21	20	0.62	0.12	0.64
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD23	20	0.62	0.12	0.64
(1,4818)	1:B:62:ARG:HB3	1:B:59:VAL:HA	20	0.61	0.09	0.64
(1,4818)	1:B:59:VAL:HA	1:B:62:ARG:HG2	20	0.61	0.09	0.64
(1,4817)	1:A:62:ARG:HB3	1:A:59:VAL:HA	20	0.61	0.09	0.64
(1,4817)	1:A:59:VAL:HA	1:A:62:ARG:HG2	20	0.61	0.09	0.64
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD22	20	0.61	0.01	0.61
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD21	20	0.61	0.01	0.61
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD23	20	0.61	0.01	0.61
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD22	20	0.61	0.01	0.61
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD21	20	0.61	0.01	0.61
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD23	20	0.61	0.01	0.61
(1,3023)	1:A:76:ASP:H	1:A:75:LEU:HB2	20	0.54	0.06	0.55
(1,3024)	1:B:76:ASP:H	1:B:75:LEU:HB2	20	0.54	0.06	0.55
(1,3254)	1:B:62:ARG:H	1:B:61:ASP:HB2	20	0.5	0.08	0.47
(1,3253)	1:A:62:ARG:H	1:A:61:ASP:HB2	20	0.5	0.08	0.46
(1,4023)	1:A:83:LEU:HB3	1:A:66:LYS:HE2	20	0.48	0.29	0.42
(1,4023)	1:A:83:LEU:HB3	1:A:66:LYS:HE3	20	0.48	0.29	0.42
(1,4023)	1:A:83:LEU:HB3	1:A:82:ASN:HB2	20	0.48	0.29	0.42
(1,4024)	1:B:83:LEU:HB3	1:B:66:LYS:HE2	20	0.48	0.29	0.42
(1,4024)	1:B:83:LEU:HB3	1:B:66:LYS:HE3	20	0.48	0.29	0.42
(1,4024)	1:B:83:LEU:HB3	1:B:82:ASN:HB2	20	0.48	0.29	0.42
(1,4271)	1:A:82:ASN:HA	1:A:83:LEU:HA	20	0.48	0.06	0.5
(1,4271)	1:A:82:ASN:HA	1:A:85:GLY:HA2	20	0.48	0.06	0.5
(1,4272)	1:B:82:ASN:HA	1:B:83:LEU:HA	20	0.48	0.06	0.5
(1,4272)	1:B:82:ASN:HA	1:B:85:GLY:HA2	20	0.48	0.06	0.5
(1,3265)	1:A:27:LYS:H	1:A:27:LYS:HB3	20	0.47	0.02	0.47
(1,3266)	1:B:27:LYS:H	1:B:27:LYS:HB3	20	0.47	0.02	0.47
(1,3762)	1:B:58:GLY:HA3	1:B:60:LEU:HG	20	0.45	0.04	0.45
(1,3762)	1:B:58:GLY:HA3	1:B:62:ARG:HG2	20	0.45	0.04	0.45
(1,3761)	1:A:58:GLY:HA3	1:A:60:LEU:HG	20	0.45	0.04	0.45
(1,3761)	1:A:58:GLY:HA3	1:A:62:ARG:HG2	20	0.45	0.04	0.45
(1,5676)	1:B:61:ASP:H	1:B:60:LEU:HG	20	0.43	0.07	0.42

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,5676)	1:B:61:ASP:H	1:B:62:ARG:HB3	20	0.43	0.07	0.42
(1,5676)	1:B:61:ASP:H	1:B:62:ARG:HG2	20	0.43	0.07	0.42
(1,5675)	1:A:61:ASP:H	1:A:60:LEU:HG	20	0.43	0.07	0.42
(1,5675)	1:A:61:ASP:H	1:A:62:ARG:HB3	20	0.43	0.07	0.42
(1,5675)	1:A:61:ASP:H	1:A:62:ARG:HG2	20	0.43	0.07	0.42
(1,2775)	1:A:50:PHE:H	1:A:47:LEU:HB2	20	0.42	0.08	0.42
(1,2776)	1:B:50:PHE:H	1:B:47:LEU:HB2	20	0.42	0.08	0.42
(1,3837)	1:A:33:THR:HA	1:A:34:LEU:HG	20	0.4	0.07	0.39
(1,3837)	1:A:75:LEU:HB3	1:A:33:THR:HA	20	0.4	0.07	0.39
(1,3838)	1:B:33:THR:HA	1:B:34:LEU:HG	20	0.4	0.07	0.39
(1,3838)	1:B:75:LEU:HB3	1:B:33:THR:HA	20	0.4	0.07	0.39
(1,4919)	1:A:52:LYS:HA	1:A:43:MET:HB2	20	0.4	0.1	0.38
(1,4919)	1:A:52:LYS:HA	1:A:43:MET:HB3	20	0.4	0.1	0.38
(1,4919)	1:A:52:LYS:HA	1:A:47:LEU:HB3	20	0.4	0.1	0.38
(1,4919)	1:A:71:SER:HA	1:A:36:LYS:HD2	20	0.4	0.1	0.38
(1,4919)	1:A:71:SER:HA	1:A:36:LYS:HD3	20	0.4	0.1	0.38
(1,4919)	1:A:71:SER:HA	1:A:67:LEU:HB2	20	0.4	0.1	0.38
(1,4919)	1:A:71:SER:HA	1:A:74:GLN:HB3	20	0.4	0.1	0.38
(1,4920)	1:B:52:LYS:HA	1:B:43:MET:HB2	20	0.4	0.1	0.38
(1,4920)	1:B:52:LYS:HA	1:B:43:MET:HB3	20	0.4	0.1	0.38
(1,4920)	1:B:52:LYS:HA	1:B:47:LEU:HB3	20	0.4	0.1	0.38
(1,4920)	1:B:71:SER:HA	1:B:36:LYS:HD2	20	0.4	0.1	0.38
(1,4920)	1:B:71:SER:HA	1:B:36:LYS:HD3	20	0.4	0.1	0.38
(1,4920)	1:B:71:SER:HA	1:B:67:LEU:HB2	20	0.4	0.1	0.38
(1,4920)	1:B:71:SER:HA	1:B:74:GLN:HB3	20	0.4	0.1	0.38
(1,692)	1:B:15:GLU:HG2	1:B:16:SER:H	20	0.4	0.04	0.4
(1,691)	1:A:15:GLU:HG2	1:A:16:SER:H	20	0.39	0.04	0.4
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD12	20	0.39	0.04	0.38
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD11	20	0.39	0.04	0.38
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD13	20	0.39	0.04	0.38
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD12	20	0.39	0.04	0.38
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD11	20	0.39	0.04	0.38
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD13	20	0.39	0.04	0.38
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD12	20	0.39	0.04	0.38
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD11	20	0.39	0.04	0.38
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD13	20	0.39	0.04	0.38
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD12	20	0.39	0.04	0.38
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD11	20	0.39	0.04	0.38
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD13	20	0.39	0.04	0.38
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD12	20	0.39	0.04	0.38
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD11	20	0.39	0.04	0.38
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD13	20	0.39	0.04	0.38

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD12	20	0.39	0.04	0.38
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD11	20	0.39	0.04	0.38
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD13	20	0.39	0.04	0.38
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD22	20	0.39	0.04	0.38
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD21	20	0.39	0.04	0.38
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD23	20	0.39	0.04	0.38
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD12	20	0.39	0.04	0.39
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD11	20	0.39	0.04	0.39
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD13	20	0.39	0.04	0.39
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD12	20	0.39	0.04	0.39
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD11	20	0.39	0.04	0.39
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD13	20	0.39	0.04	0.39
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD12	20	0.39	0.04	0.39
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD11	20	0.39	0.04	0.39
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD13	20	0.39	0.04	0.39
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD12	20	0.39	0.04	0.39
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD11	20	0.39	0.04	0.39
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD13	20	0.39	0.04	0.39
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD12	20	0.39	0.04	0.39
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD11	20	0.39	0.04	0.39
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD13	20	0.39	0.04	0.39
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD12	20	0.39	0.04	0.39
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD11	20	0.39	0.04	0.39
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD13	20	0.39	0.04	0.39
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD22	20	0.39	0.04	0.39
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD21	20	0.39	0.04	0.39
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD23	20	0.39	0.04	0.39
(1,1237)	1:A:62:ARG:HB3	1:A:59:VAL:HA	20	0.35	0.12	0.36
(1,1238)	1:B:62:ARG:HB3	1:B:59:VAL:HA	20	0.35	0.12	0.36
(1,4858)	1:B:23:LYS:HB2	1:B:23:LYS:HE2	20	0.35	0.09	0.37
(1,4858)	1:B:23:LYS:HB2	1:B:23:LYS:HE3	20	0.35	0.09	0.37
(1,4858)	1:B:23:LYS:HB3	1:B:23:LYS:HE2	20	0.35	0.09	0.37
(1,4858)	1:B:23:LYS:HB3	1:B:23:LYS:HE3	20	0.35	0.09	0.37
(1,4857)	1:A:23:LYS:HB2	1:A:23:LYS:HE2	20	0.35	0.09	0.37
(1,4857)	1:A:23:LYS:HB2	1:A:23:LYS:HE3	20	0.35	0.09	0.37
(1,4857)	1:A:23:LYS:HB3	1:A:23:LYS:HE2	20	0.35	0.09	0.37
(1,4857)	1:A:23:LYS:HB3	1:A:23:LYS:HE3	20	0.35	0.09	0.37
(1,650)	1:B:15:GLU:HG2	1:B:16:SER:H	20	0.34	0.04	0.35
(1,649)	1:A:15:GLU:HG2	1:A:16:SER:H	20	0.34	0.04	0.35
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD22	20	0.31	0.06	0.3
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD21	20	0.31	0.06	0.3
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD23	20	0.31	0.06	0.3

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD22	20	0.31	0.06	0.3
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD21	20	0.31	0.06	0.3
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD23	20	0.31	0.06	0.3
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD22	20	0.31	0.06	0.3
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD21	20	0.31	0.06	0.3
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD23	20	0.31	0.06	0.3
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD22	20	0.31	0.06	0.3
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD21	20	0.31	0.06	0.3
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD23	20	0.31	0.06	0.3
(1,4012)	1:B:81:LEU:HD22	1:A:89:MET:HG3	20	0.27	0.13	0.22
(1,4012)	1:B:81:LEU:HD21	1:A:89:MET:HG3	20	0.27	0.13	0.22
(1,4012)	1:B:81:LEU:HD23	1:A:89:MET:HG3	20	0.27	0.13	0.22
(1,4012)	1:B:81:LEU:HD22	1:B:21:PHE:HB3	20	0.27	0.13	0.22
(1,4012)	1:B:81:LEU:HD21	1:B:21:PHE:HB3	20	0.27	0.13	0.22
(1,4012)	1:B:81:LEU:HD23	1:B:21:PHE:HB3	20	0.27	0.13	0.22
(1,4011)	1:A:81:LEU:HD22	1:B:89:MET:HG3	20	0.27	0.13	0.22
(1,4011)	1:A:81:LEU:HD21	1:B:89:MET:HG3	20	0.27	0.13	0.22
(1,4011)	1:A:81:LEU:HD23	1:B:89:MET:HG3	20	0.27	0.13	0.22
(1,4011)	1:A:81:LEU:HD22	1:A:21:PHE:HB3	20	0.27	0.13	0.22
(1,4011)	1:A:81:LEU:HD21	1:A:21:PHE:HB3	20	0.27	0.13	0.22
(1,4011)	1:A:81:LEU:HD23	1:A:21:PHE:HB3	20	0.27	0.13	0.22
(1,4781)	1:A:8:THR:HB	1:A:7:PRO:HG2	20	0.25	0.04	0.24
(1,4781)	1:A:8:THR:HB	1:A:7:PRO:HG3	20	0.25	0.04	0.24
(1,4781)	1:A:74:GLN:HA	1:A:40:LEU:HG	20	0.25	0.04	0.24
(1,4782)	1:B:8:THR:HB	1:B:7:PRO:HG2	20	0.25	0.04	0.24
(1,4782)	1:B:8:THR:HB	1:B:7:PRO:HG3	20	0.25	0.04	0.24
(1,4782)	1:B:74:GLN:HA	1:B:40:LEU:HG	20	0.25	0.04	0.24
(1,4825)	1:A:19:ALA:HB2	1:A:15:GLU:HB2	20	0.23	0.04	0.22
(1,4825)	1:A:19:ALA:HB2	1:A:15:GLU:HB3	20	0.23	0.04	0.22
(1,4825)	1:A:19:ALA:HB1	1:A:15:GLU:HB2	20	0.23	0.04	0.22
(1,4825)	1:A:19:ALA:HB1	1:A:15:GLU:HB3	20	0.23	0.04	0.22
(1,4825)	1:A:19:ALA:HB3	1:A:15:GLU:HB2	20	0.23	0.04	0.22
(1,4825)	1:A:19:ALA:HB3	1:A:15:GLU:HB3	20	0.23	0.04	0.22
(1,4825)	1:A:19:ALA:HB2	1:B:9:GLU:HB2	20	0.23	0.04	0.22
(1,4825)	1:A:19:ALA:HB2	1:B:9:GLU:HB3	20	0.23	0.04	0.22
(1,4825)	1:A:19:ALA:HB1	1:B:9:GLU:HB2	20	0.23	0.04	0.22
(1,4825)	1:A:19:ALA:HB1	1:B:9:GLU:HB3	20	0.23	0.04	0.22
(1,4825)	1:A:19:ALA:HB3	1:B:9:GLU:HB2	20	0.23	0.04	0.22
(1,4825)	1:A:19:ALA:HB3	1:B:9:GLU:HB3	20	0.23	0.04	0.22
(1,4825)	1:A:88:ALA:HB2	1:A:89:MET:HB2	20	0.23	0.04	0.22
(1,4825)	1:A:88:ALA:HB2	1:A:89:MET:HB3	20	0.23	0.04	0.22
(1,4825)	1:A:88:ALA:HB1	1:A:89:MET:HB2	20	0.23	0.04	0.22

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,4825)	1:A:88:ALA:HB1	1:A:89:MET:HB3	20	0.23	0.04	0.22
(1,4825)	1:A:88:ALA:HB3	1:A:89:MET:HB2	20	0.23	0.04	0.22
(1,4825)	1:A:88:ALA:HB3	1:A:89:MET:HB3	20	0.23	0.04	0.22
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB2	20	0.23	0.04	0.22
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB1	20	0.23	0.04	0.22
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB3	20	0.23	0.04	0.22
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB2	20	0.23	0.04	0.22
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB1	20	0.23	0.04	0.22
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB3	20	0.23	0.04	0.22
(1,4826)	1:B:19:ALA:HB2	1:B:15:GLU:HB2	20	0.23	0.04	0.22
(1,4826)	1:B:19:ALA:HB2	1:B:15:GLU:HB3	20	0.23	0.04	0.22
(1,4826)	1:B:19:ALA:HB1	1:B:15:GLU:HB2	20	0.23	0.04	0.22
(1,4826)	1:B:19:ALA:HB1	1:B:15:GLU:HB3	20	0.23	0.04	0.22
(1,4826)	1:B:19:ALA:HB3	1:B:15:GLU:HB2	20	0.23	0.04	0.22
(1,4826)	1:B:19:ALA:HB3	1:B:15:GLU:HB3	20	0.23	0.04	0.22
(1,4826)	1:B:19:ALA:HB2	1:A:9:GLU:HB2	20	0.23	0.04	0.22
(1,4826)	1:B:19:ALA:HB2	1:A:9:GLU:HB3	20	0.23	0.04	0.22
(1,4826)	1:B:19:ALA:HB1	1:A:9:GLU:HB2	20	0.23	0.04	0.22
(1,4826)	1:B:19:ALA:HB1	1:A:9:GLU:HB3	20	0.23	0.04	0.22
(1,4826)	1:B:19:ALA:HB3	1:A:9:GLU:HB2	20	0.23	0.04	0.22
(1,4826)	1:B:19:ALA:HB3	1:A:9:GLU:HB3	20	0.23	0.04	0.22
(1,4826)	1:B:88:ALA:HB2	1:B:89:MET:HB2	20	0.23	0.04	0.22
(1,4826)	1:B:88:ALA:HB2	1:B:89:MET:HB3	20	0.23	0.04	0.22
(1,4826)	1:B:88:ALA:HB1	1:B:89:MET:HB2	20	0.23	0.04	0.22
(1,4826)	1:B:88:ALA:HB1	1:B:89:MET:HB3	20	0.23	0.04	0.22
(1,4826)	1:B:88:ALA:HB3	1:B:89:MET:HB2	20	0.23	0.04	0.22
(1,4826)	1:B:88:ALA:HB3	1:B:89:MET:HB3	20	0.23	0.04	0.22
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB2	20	0.23	0.04	0.22
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB1	20	0.23	0.04	0.22
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB3	20	0.23	0.04	0.22
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB2	20	0.23	0.04	0.22
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB1	20	0.23	0.04	0.22
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB3	20	0.23	0.04	0.22
(1,985)	1:A:61:ASP:H	1:A:58:GLY:HA3	20	0.23	0.04	0.23
(1,539)	1:A:16:SER:HA	1:A:15:GLU:H	20	0.19	0.02	0.19
(1,540)	1:B:16:SER:HA	1:B:15:GLU:H	20	0.19	0.02	0.19
(1,5291)	1:A:94:SER:H	1:A:96:LEU:HB3	20	0.19	0.02	0.18
(1,5291)	1:A:94:SER:H	1:A:96:LEU:HG	20	0.19	0.02	0.18
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB2	20	0.19	0.02	0.18
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB1	20	0.19	0.02	0.18
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB3	20	0.19	0.02	0.18
(1,5292)	1:B:94:SER:H	1:B:96:LEU:HB3	20	0.18	0.02	0.18

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,5292)	1:B:94:SER:H	1:B:96:LEU:HG	20	0.18	0.02	0.18
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB2	20	0.18	0.02	0.18
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB1	20	0.18	0.02	0.18
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB3	20	0.18	0.02	0.18
(1,2629)	1:A:69:THR:H	1:A:67:LEU:HB2	20	0.18	0.04	0.19
(1,2630)	1:B:69:THR:H	1:B:67:LEU:HB2	20	0.18	0.04	0.18
(2,77)	1:A:61:ASP:HA	1:A:59:VAL:HA	20	0.17	0.02	0.18
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG22	20	0.17	0.03	0.17
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG21	20	0.17	0.03	0.17
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG23	20	0.17	0.03	0.17
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD12	20	0.17	0.03	0.17
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD11	20	0.17	0.03	0.17
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD13	20	0.17	0.03	0.17
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD22	20	0.17	0.03	0.17
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD21	20	0.17	0.03	0.17
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD23	20	0.17	0.03	0.17
(2,78)	1:B:61:ASP:HA	1:B:59:VAL:HA	20	0.17	0.02	0.18
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG22	20	0.17	0.03	0.17
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG21	20	0.17	0.03	0.17
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG23	20	0.17	0.03	0.17
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD12	20	0.17	0.03	0.17
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD11	20	0.17	0.03	0.17
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD13	20	0.17	0.03	0.17
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD22	20	0.17	0.03	0.17
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD21	20	0.17	0.03	0.17
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD23	20	0.17	0.03	0.17
(1,3092)	1:B:75:LEU:H	1:B:75:LEU:HB3	20	0.17	0.02	0.17
(1,3091)	1:A:75:LEU:H	1:A:75:LEU:HB3	20	0.17	0.02	0.17
(1,827)	1:A:40:LEU:HA	1:A:39:PHE:HB2	19	0.78	0.51	1.15
(1,3777)	1:A:57:PRO:HA	1:A:61:ASP:HB3	19	0.55	0.19	0.53
(1,3777)	1:A:57:PRO:HA	1:A:63:MET:HG3	19	0.55	0.19	0.53
(1,3778)	1:B:57:PRO:HA	1:B:61:ASP:HB3	19	0.55	0.19	0.53
(1,3778)	1:B:57:PRO:HA	1:B:63:MET:HG3	19	0.55	0.19	0.53
(2,124)	1:B:44:ASN:HB2	1:B:48:ALA:H	19	0.43	0.18	0.55
(2,123)	1:A:44:ASN:HB2	1:A:48:ALA:H	19	0.43	0.17	0.53
(1,4047)	1:A:52:LYS:HB2	1:A:53:ASN:HB3	19	0.38	0.17	0.36
(1,4047)	1:A:52:LYS:HB3	1:A:53:ASN:HB3	19	0.38	0.17	0.36
(1,4047)	1:A:74:GLN:HB2	1:A:76:ASP:HB3	19	0.38	0.17	0.36
(1,4048)	1:B:52:LYS:HB2	1:B:53:ASN:HB3	19	0.38	0.17	0.35
(1,4048)	1:B:52:LYS:HB3	1:B:53:ASN:HB3	19	0.38	0.17	0.35
(1,4048)	1:B:74:GLN:HB2	1:B:76:ASP:HB3	19	0.38	0.17	0.35
(1,5297)	1:A:26:GLY:H	1:A:23:LYS:HD2	19	0.33	0.07	0.33

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,5297)	1:A:26:GLY:H	1:A:23:LYS:HD3	19	0.33	0.07	0.33
(1,5297)	1:A:26:GLY:H	1:A:34:LEU:HB3	19	0.33	0.07	0.33
(1,5299)	1:A:26:GLY:H	1:A:23:LYS:HD2	19	0.33	0.07	0.33
(1,5299)	1:A:26:GLY:H	1:A:23:LYS:HD3	19	0.33	0.07	0.33
(1,5299)	1:A:26:GLY:H	1:A:34:LEU:HB3	19	0.33	0.07	0.33
(1,5298)	1:B:26:GLY:H	1:B:23:LYS:HD2	19	0.33	0.07	0.33
(1,5298)	1:B:26:GLY:H	1:B:23:LYS:HD3	19	0.33	0.07	0.33
(1,5298)	1:B:26:GLY:H	1:B:34:LEU:HB3	19	0.33	0.07	0.33
(1,5300)	1:B:26:GLY:H	1:B:23:LYS:HD2	19	0.33	0.07	0.33
(1,5300)	1:B:26:GLY:H	1:B:23:LYS:HD3	19	0.33	0.07	0.33
(1,5300)	1:B:26:GLY:H	1:B:34:LEU:HB3	19	0.33	0.07	0.33
(1,355)	1:A:60:LEU:HB2	1:A:61:ASP:HB3	19	0.33	0.1	0.37
(1,356)	1:B:60:LEU:HB2	1:B:61:ASP:HB3	19	0.33	0.1	0.37
(1,5461)	1:A:45:THR:H	1:A:46:GLU:HB3	19	0.29	0.06	0.29
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG21	19	0.29	0.06	0.29
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG22	19	0.29	0.06	0.29
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG23	19	0.29	0.06	0.29
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD12	19	0.29	0.06	0.29
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD11	19	0.29	0.06	0.29
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD13	19	0.29	0.06	0.29
(1,5462)	1:B:45:THR:H	1:B:46:GLU:HB3	19	0.29	0.06	0.29
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG21	19	0.29	0.06	0.29
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG22	19	0.29	0.06	0.29
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG23	19	0.29	0.06	0.29
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD12	19	0.29	0.06	0.29
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD11	19	0.29	0.06	0.29
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD13	19	0.29	0.06	0.29
(1,986)	1:B:61:ASP:H	1:B:58:GLY:HA3	19	0.23	0.03	0.23
(1,3669)	1:A:69:THR:HA	1:A:70:ASN:HB2	19	0.21	0.05	0.22
(1,3669)	1:A:70:ASN:HB2	1:A:71:SER:HA	19	0.21	0.05	0.22
(1,3670)	1:B:69:THR:HA	1:B:70:ASN:HB2	19	0.21	0.05	0.22
(1,3670)	1:B:70:ASN:HB2	1:B:71:SER:HA	19	0.21	0.05	0.22
(1,4333)	1:A:74:GLN:HB3	1:A:68:ASP:HB2	19	0.2	0.05	0.21
(1,4333)	1:A:18:ILE:HB	1:A:21:PHE:HB2	19	0.2	0.05	0.21
(1,4333)	1:A:64:MET:HB3	1:A:68:ASP:HB2	19	0.2	0.05	0.21
(1,4333)	1:A:68:ASP:HB2	1:A:67:LEU:HB2	19	0.2	0.05	0.21
(1,4334)	1:B:74:GLN:HB3	1:B:68:ASP:HB2	19	0.2	0.05	0.21
(1,4334)	1:B:18:ILE:HB	1:B:21:PHE:HB2	19	0.2	0.05	0.21
(1,4334)	1:B:64:MET:HB3	1:B:68:ASP:HB2	19	0.2	0.05	0.21
(1,4334)	1:B:68:ASP:HB2	1:B:67:LEU:HB2	19	0.2	0.05	0.21
(1,3735)	1:A:37:THR:HB	1:A:35:SER:HA	19	0.19	0.05	0.2
(1,3735)	1:A:51:THR:HB	1:A:53:ASN:HA	19	0.19	0.05	0.2

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,3736)	1:B:37:THR:HB	1:B:35:SER:HA	19	0.19	0.05	0.2
(1,3736)	1:B:51:THR:HB	1:B:53:ASN:HA	19	0.19	0.05	0.2
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD22	19	0.19	0.03	0.2
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD21	19	0.19	0.03	0.2
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD23	19	0.19	0.03	0.2
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD22	19	0.19	0.03	0.2
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD21	19	0.19	0.03	0.2
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD23	19	0.19	0.03	0.2
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD22	19	0.18	0.03	0.18
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD21	19	0.18	0.03	0.18
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD23	19	0.18	0.03	0.18
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD22	19	0.18	0.03	0.18
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD21	19	0.18	0.03	0.18
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD23	19	0.18	0.03	0.18
(1,3786)	1:B:63:MET:HG3	1:B:61:ASP:H	19	0.18	0.05	0.17
(1,3786)	1:B:89:MET:HG3	1:B:87:LEU:H	19	0.18	0.05	0.17
(1,3785)	1:A:63:MET:HG3	1:A:61:ASP:H	19	0.18	0.05	0.17
(1,3785)	1:A:89:MET:HG3	1:A:87:LEU:H	19	0.18	0.05	0.17
(1,4315)	1:A:22:GLN:HA	1:A:19:ALA:HA	19	0.18	0.04	0.19
(1,4315)	1:A:25:ALA:HA	1:A:22:GLN:HA	19	0.18	0.04	0.19
(1,4315)	1:A:22:GLN:HA	1:A:26:GLY:HA2	19	0.18	0.04	0.19
(1,4315)	1:A:37:THR:HA	1:A:40:LEU:HA	19	0.18	0.04	0.19
(1,4316)	1:B:22:GLN:HA	1:B:19:ALA:HA	19	0.18	0.04	0.18
(1,4316)	1:B:25:ALA:HA	1:B:22:GLN:HA	19	0.18	0.04	0.18
(1,4316)	1:B:22:GLN:HA	1:B:26:GLY:HA2	19	0.18	0.04	0.18
(1,4316)	1:B:37:THR:HA	1:B:40:LEU:HA	19	0.18	0.04	0.18
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD22	19	0.16	0.04	0.15
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD21	19	0.16	0.04	0.15
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD23	19	0.16	0.04	0.15
(1,686)	1:B:84:ILE:HB	1:B:83:LEU:HG	19	0.16	0.03	0.16
(1,987)	1:A:87:LEU:HB2	1:A:86:GLY:H	19	0.14	0.02	0.14
(1,988)	1:B:87:LEU:HB2	1:B:86:GLY:H	19	0.14	0.02	0.14
(1,1328)	1:B:34:LEU:HB2	1:B:39:PHE:HB3	18	1.67	1.12	2.4
(1,1327)	1:A:34:LEU:HB2	1:A:39:PHE:HB3	18	1.67	1.12	2.4
(1,993)	1:A:21:PHE:HB2	1:A:22:GLN:HA	18	1.23	0.25	1.27
(1,994)	1:B:21:PHE:HB2	1:B:22:GLN:HA	18	1.23	0.25	1.27
(1,285)	1:A:75:LEU:HB3	1:A:39:PHE:HB3	18	1.13	0.76	1.61
(1,286)	1:B:75:LEU:HB3	1:B:39:PHE:HB3	18	1.13	0.76	1.61
(1,883)	1:A:34:LEU:HB3	1:A:80:PHE:HB2	18	0.57	0.28	0.56
(1,884)	1:B:34:LEU:HB3	1:B:80:PHE:HB2	18	0.57	0.28	0.56
(1,475)	1:A:67:LEU:HB3	1:A:75:LEU:HB2	18	0.51	0.16	0.5
(1,476)	1:B:67:LEU:HB3	1:B:75:LEU:HB2	18	0.51	0.16	0.5

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,4029)	1:A:73:GLY:HA3	1:A:36:LYS:HD2	18	0.48	0.13	0.5
(1,4029)	1:A:73:GLY:HA3	1:A:36:LYS:HD3	18	0.48	0.13	0.5
(1,4029)	1:A:73:GLY:HA3	1:A:74:GLN:HB3	18	0.48	0.13	0.5
(1,4030)	1:B:73:GLY:HA3	1:B:36:LYS:HD2	18	0.48	0.13	0.5
(1,4030)	1:B:73:GLY:HA3	1:B:36:LYS:HD3	18	0.48	0.13	0.5
(1,4030)	1:B:73:GLY:HA3	1:B:74:GLN:HB3	18	0.48	0.13	0.5
(1,4840)	1:B:68:ASP:HB2	1:B:39:PHE:HB3	18	0.47	0.14	0.49
(1,4840)	1:B:68:ASP:HB2	1:B:72:ASP:HB2	18	0.47	0.14	0.49
(1,4840)	1:B:80:PHE:HB3	1:B:39:PHE:HB3	18	0.47	0.14	0.49
(1,4839)	1:A:68:ASP:HB2	1:A:39:PHE:HB3	18	0.46	0.14	0.49
(1,4839)	1:A:68:ASP:HB2	1:A:72:ASP:HB2	18	0.46	0.14	0.49
(1,4839)	1:A:80:PHE:HB3	1:A:39:PHE:HB3	18	0.46	0.14	0.49
(1,4618)	1:B:68:ASP:HA	1:B:74:GLN:HB3	18	0.37	0.08	0.39
(1,4618)	1:B:74:GLN:HB3	1:B:72:ASP:HA	18	0.37	0.08	0.39
(1,4617)	1:A:68:ASP:HA	1:A:74:GLN:HB3	18	0.37	0.08	0.39
(1,4617)	1:A:74:GLN:HB3	1:A:72:ASP:HA	18	0.37	0.08	0.39
(1,3625)	1:A:34:LEU:HA	1:A:24:TYR:HB2	18	0.37	0.19	0.33
(1,3625)	1:A:34:LEU:HA	1:A:27:LYS:HE2	18	0.37	0.19	0.33
(1,3625)	1:A:34:LEU:HA	1:A:27:LYS:HE3	18	0.37	0.19	0.33
(1,3626)	1:B:34:LEU:HA	1:B:24:TYR:HB2	18	0.37	0.18	0.33
(1,3626)	1:B:34:LEU:HA	1:B:27:LYS:HE2	18	0.37	0.18	0.33
(1,3626)	1:B:34:LEU:HA	1:B:27:LYS:HE3	18	0.37	0.18	0.33
(1,5535)	1:A:23:LYS:H	1:A:20:VAL:HB	18	0.34	0.1	0.38
(1,5535)	1:A:23:LYS:H	1:A:22:GLN:HG2	18	0.34	0.1	0.38
(1,5535)	1:A:23:LYS:H	1:A:22:GLN:HG3	18	0.34	0.1	0.38
(1,5535)	1:A:23:LYS:H	1:A:24:TYR:HB3	18	0.34	0.1	0.38
(1,5536)	1:B:23:LYS:H	1:B:20:VAL:HB	18	0.34	0.1	0.38
(1,5536)	1:B:23:LYS:H	1:B:22:GLN:HG2	18	0.34	0.1	0.38
(1,5536)	1:B:23:LYS:H	1:B:22:GLN:HG3	18	0.34	0.1	0.38
(1,5536)	1:B:23:LYS:H	1:B:24:TYR:HB3	18	0.34	0.1	0.38
(1,3937)	1:A:39:PHE:HB2	1:A:36:LYS:HG2	18	0.33	0.13	0.29
(1,3937)	1:A:39:PHE:HB2	1:A:36:LYS:HG3	18	0.33	0.13	0.29
(1,3937)	1:A:65:LYS:HG2	1:A:64:MET:HA	18	0.33	0.13	0.29
(1,3937)	1:A:65:LYS:HG3	1:A:64:MET:HA	18	0.33	0.13	0.29
(1,3938)	1:B:39:PHE:HB2	1:B:36:LYS:HG2	18	0.33	0.13	0.29
(1,3938)	1:B:39:PHE:HB2	1:B:36:LYS:HG3	18	0.33	0.13	0.29
(1,3938)	1:B:65:LYS:HG2	1:B:64:MET:HA	18	0.33	0.13	0.29
(1,3938)	1:B:65:LYS:HG3	1:B:64:MET:HA	18	0.33	0.13	0.29
(1,1608)	1:B:47:LEU:HB2	1:B:50:PHE:HB2	18	0.32	0.1	0.33
(1,1608)	1:B:47:LEU:HB2	1:B:50:PHE:HB3	18	0.32	0.1	0.33
(1,1607)	1:A:47:LEU:HB2	1:A:50:PHE:HB2	18	0.32	0.1	0.33
(1,1607)	1:A:47:LEU:HB2	1:A:50:PHE:HB3	18	0.32	0.1	0.33

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,3500)	1:B:29:GLY:HA2	1:B:28:ASP:HB2	18	0.2	0.07	0.17
(1,3500)	1:B:73:GLY:HA2	1:B:72:ASP:HB2	18	0.2	0.07	0.17
(1,3499)	1:A:29:GLY:HA2	1:A:28:ASP:HB2	18	0.19	0.07	0.17
(1,3499)	1:A:73:GLY:HA2	1:A:72:ASP:HB2	18	0.19	0.07	0.17
(1,3898)	1:B:10:THR:HA	1:B:11:GLU:HB2	18	0.17	0.04	0.17
(1,3898)	1:B:10:THR:HA	1:B:11:GLU:HB3	18	0.17	0.04	0.17
(1,3898)	1:B:10:THR:HA	1:B:12:ARG:HB2	18	0.17	0.04	0.17
(1,3898)	1:B:10:THR:HA	1:B:12:ARG:HB3	18	0.17	0.04	0.17
(1,3898)	1:B:10:THR:HA	1:B:14:ILE:HB	18	0.17	0.04	0.17
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD22	18	0.17	0.05	0.16
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD21	18	0.17	0.05	0.16
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD23	18	0.17	0.05	0.16
(1,3897)	1:A:10:THR:HA	1:A:11:GLU:HB2	18	0.17	0.04	0.16
(1,3897)	1:A:10:THR:HA	1:A:11:GLU:HB3	18	0.17	0.04	0.16
(1,3897)	1:A:10:THR:HA	1:A:12:ARG:HB2	18	0.17	0.04	0.16
(1,3897)	1:A:10:THR:HA	1:A:12:ARG:HB3	18	0.17	0.04	0.16
(1,3897)	1:A:10:THR:HA	1:A:14:ILE:HB	18	0.17	0.04	0.16
(1,685)	1:A:84:ILE:HB	1:A:83:LEU:HG	18	0.17	0.03	0.16
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD22	18	0.16	0.04	0.15
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD21	18	0.16	0.04	0.15
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD23	18	0.16	0.04	0.15
(1,5195)	1:A:73:GLY:H	1:A:75:LEU:HB3	18	0.16	0.03	0.15
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG21	18	0.16	0.03	0.15
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG22	18	0.16	0.03	0.15
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG23	18	0.16	0.03	0.15
(1,5196)	1:B:73:GLY:H	1:B:75:LEU:HB3	18	0.15	0.03	0.15
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG21	18	0.15	0.03	0.15
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG22	18	0.15	0.03	0.15
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG23	18	0.15	0.03	0.15
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB2	18	0.15	0.03	0.15
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB1	18	0.15	0.03	0.15
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB3	18	0.15	0.03	0.15
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB2	18	0.15	0.03	0.15
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB1	18	0.15	0.03	0.15
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB3	18	0.15	0.03	0.15
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB2	18	0.15	0.03	0.15
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB1	18	0.15	0.03	0.15
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB3	18	0.15	0.03	0.15
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB2	18	0.15	0.03	0.15
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB1	18	0.15	0.03	0.15
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB3	18	0.15	0.03	0.15
(1,4312)	1:B:68:ASP:HB2	1:B:64:MET:HB2	17	0.74	0.08	0.72

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,4312)	1:B:68:ASP:HB2	1:B:75:LEU:HB2	17	0.74	0.08	0.72
(1,4312)	1:B:21:PHE:HB2	1:B:22:GLN:HB2	17	0.74	0.08	0.72
(1,4312)	1:B:21:PHE:HB2	1:B:22:GLN:HB3	17	0.74	0.08	0.72
(1,4311)	1:A:68:ASP:HB2	1:A:64:MET:HB2	17	0.74	0.08	0.72
(1,4311)	1:A:68:ASP:HB2	1:A:75:LEU:HB2	17	0.74	0.08	0.72
(1,4311)	1:A:21:PHE:HB2	1:A:22:GLN:HB2	17	0.74	0.08	0.72
(1,4311)	1:A:21:PHE:HB2	1:A:22:GLN:HB3	17	0.74	0.08	0.72
(1,4734)	1:B:8:THR:HG21	1:A:46:GLU:HB2	17	0.66	0.19	0.73
(1,4734)	1:B:8:THR:HG22	1:A:46:GLU:HB2	17	0.66	0.19	0.73
(1,4734)	1:B:8:THR:HG23	1:A:46:GLU:HB2	17	0.66	0.19	0.73
(1,4734)	1:B:20:VAL:HG22	1:B:46:GLU:HB2	17	0.66	0.19	0.73
(1,4734)	1:B:20:VAL:HG21	1:B:46:GLU:HB2	17	0.66	0.19	0.73
(1,4734)	1:B:20:VAL:HG23	1:B:46:GLU:HB2	17	0.66	0.19	0.73
(1,4733)	1:A:8:THR:HG21	1:B:46:GLU:HB2	17	0.66	0.19	0.73
(1,4733)	1:A:8:THR:HG22	1:B:46:GLU:HB2	17	0.66	0.19	0.73
(1,4733)	1:A:8:THR:HG23	1:B:46:GLU:HB2	17	0.66	0.19	0.73
(1,4733)	1:A:20:VAL:HG22	1:A:46:GLU:HB2	17	0.66	0.19	0.73
(1,4733)	1:A:20:VAL:HG21	1:A:46:GLU:HB2	17	0.66	0.19	0.73
(1,4733)	1:A:20:VAL:HG23	1:A:46:GLU:HB2	17	0.66	0.19	0.73
(1,1030)	1:B:38:GLU:HB3	1:B:24:TYR:HB2	17	0.58	0.28	0.6
(1,1029)	1:A:38:GLU:HB3	1:A:24:TYR:HB2	17	0.58	0.28	0.6
(1,622)	1:B:63:MET:H	1:B:62:ARG:HG2	17	0.23	0.06	0.22
(1,621)	1:A:63:MET:H	1:A:62:ARG:HG2	17	0.23	0.06	0.22
(1,610)	1:B:63:MET:H	1:B:62:ARG:HG2	17	0.21	0.06	0.2
(1,609)	1:A:63:MET:H	1:A:62:ARG:HG2	17	0.21	0.06	0.2
(1,2635)	1:A:43:MET:H	1:A:34:LEU:HD22	17	0.17	0.05	0.16
(1,2635)	1:A:43:MET:H	1:A:34:LEU:HD21	17	0.17	0.05	0.16
(1,2635)	1:A:43:MET:H	1:A:34:LEU:HD23	17	0.17	0.05	0.16
(2,129)	1:A:89:MET:HG2	1:A:93:ASP:HB3	16	1.17	0.1	1.18
(2,143)	1:A:89:MET:HG2	1:A:93:ASP:HB3	16	1.17	0.1	1.18
(2,147)	1:A:89:MET:HG2	1:A:93:ASP:HB3	16	1.17	0.1	1.18
(2,130)	1:B:89:MET:HG2	1:B:93:ASP:HB3	16	1.17	0.1	1.18
(2,144)	1:B:89:MET:HG2	1:B:93:ASP:HB3	16	1.17	0.1	1.18
(2,148)	1:B:89:MET:HG2	1:B:93:ASP:HB3	16	1.17	0.1	1.18
(1,1016)	1:B:9:GLU:HG2	1:B:13:CYS:HB3	16	0.51	0.21	0.61
(1,1016)	1:B:9:GLU:HG3	1:B:13:CYS:HB3	16	0.51	0.21	0.61
(1,1015)	1:A:9:GLU:HG2	1:A:13:CYS:HB3	16	0.51	0.21	0.6
(1,1015)	1:A:9:GLU:HG3	1:A:13:CYS:HB3	16	0.51	0.21	0.6
(1,1869)	1:A:20:VAL:HG12	1:A:21:PHE:H	16	0.28	0.04	0.3
(1,1869)	1:A:20:VAL:HG11	1:A:21:PHE:H	16	0.28	0.04	0.3
(1,1869)	1:A:20:VAL:HG13	1:A:21:PHE:H	16	0.28	0.04	0.3
(1,1870)	1:B:20:VAL:HG12	1:B:21:PHE:H	16	0.28	0.04	0.3

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1870)	1:B:20:VAL:HG11	1:B:21:PHE:H	16	0.28	0.04	0.3
(1,1870)	1:B:20:VAL:HG13	1:B:21:PHE:H	16	0.28	0.04	0.3
(1,3056)	1:B:94:SER:H	1:B:93:ASP:HB2	16	0.22	0.05	0.2
(1,3055)	1:A:94:SER:H	1:A:93:ASP:HB2	16	0.22	0.05	0.2
(1,5058)	1:B:37:THR:HG21	1:B:33:THR:HG21	16	0.21	0.03	0.22
(1,5058)	1:B:37:THR:HG21	1:B:33:THR:HG22	16	0.21	0.03	0.22
(1,5058)	1:B:37:THR:HG21	1:B:33:THR:HG23	16	0.21	0.03	0.22
(1,5058)	1:B:37:THR:HG22	1:B:33:THR:HG21	16	0.21	0.03	0.22
(1,5058)	1:B:37:THR:HG22	1:B:33:THR:HG22	16	0.21	0.03	0.22
(1,5058)	1:B:37:THR:HG22	1:B:33:THR:HG23	16	0.21	0.03	0.22
(1,5058)	1:B:37:THR:HG23	1:B:33:THR:HG21	16	0.21	0.03	0.22
(1,5058)	1:B:37:THR:HG23	1:B:33:THR:HG22	16	0.21	0.03	0.22
(1,5058)	1:B:37:THR:HG23	1:B:33:THR:HG23	16	0.21	0.03	0.22
(1,5058)	1:B:45:THR:HG21	1:B:23:LYS:HG2	16	0.21	0.03	0.22
(1,5058)	1:B:45:THR:HG22	1:B:23:LYS:HG2	16	0.21	0.03	0.22
(1,5058)	1:B:45:THR:HG23	1:B:23:LYS:HG2	16	0.21	0.03	0.22
(1,5058)	1:B:45:THR:HG21	1:B:47:LEU:HG	16	0.21	0.03	0.22
(1,5058)	1:B:45:THR:HG22	1:B:47:LEU:HG	16	0.21	0.03	0.22
(1,5058)	1:B:45:THR:HG23	1:B:47:LEU:HG	16	0.21	0.03	0.22
(1,5058)	1:B:45:THR:HG21	1:A:10:THR:HG21	16	0.21	0.03	0.22
(1,5058)	1:B:45:THR:HG21	1:A:10:THR:HG22	16	0.21	0.03	0.22
(1,5058)	1:B:45:THR:HG21	1:A:10:THR:HG23	16	0.21	0.03	0.22
(1,5058)	1:B:45:THR:HG22	1:A:10:THR:HG21	16	0.21	0.03	0.22
(1,5058)	1:B:45:THR:HG22	1:A:10:THR:HG22	16	0.21	0.03	0.22
(1,5058)	1:B:45:THR:HG22	1:A:10:THR:HG23	16	0.21	0.03	0.22
(1,5058)	1:B:45:THR:HG23	1:A:10:THR:HG21	16	0.21	0.03	0.22
(1,5058)	1:B:45:THR:HG23	1:A:10:THR:HG22	16	0.21	0.03	0.22
(1,5058)	1:B:45:THR:HG23	1:A:10:THR:HG23	16	0.21	0.03	0.22
(1,5057)	1:A:37:THR:HG21	1:A:33:THR:HG21	16	0.21	0.04	0.22
(1,5057)	1:A:37:THR:HG21	1:A:33:THR:HG22	16	0.21	0.04	0.22
(1,5057)	1:A:37:THR:HG21	1:A:33:THR:HG23	16	0.21	0.04	0.22
(1,5057)	1:A:37:THR:HG22	1:A:33:THR:HG21	16	0.21	0.04	0.22
(1,5057)	1:A:37:THR:HG22	1:A:33:THR:HG22	16	0.21	0.04	0.22
(1,5057)	1:A:37:THR:HG22	1:A:33:THR:HG23	16	0.21	0.04	0.22
(1,5057)	1:A:37:THR:HG23	1:A:33:THR:HG21	16	0.21	0.04	0.22
(1,5057)	1:A:37:THR:HG23	1:A:33:THR:HG22	16	0.21	0.04	0.22
(1,5057)	1:A:37:THR:HG23	1:A:33:THR:HG23	16	0.21	0.04	0.22
(1,5057)	1:A:45:THR:HG21	1:A:23:LYS:HG2	16	0.21	0.04	0.22
(1,5057)	1:A:45:THR:HG22	1:A:23:LYS:HG2	16	0.21	0.04	0.22
(1,5057)	1:A:45:THR:HG23	1:A:23:LYS:HG2	16	0.21	0.04	0.22
(1,5057)	1:A:45:THR:HG21	1:A:47:LEU:HG	16	0.21	0.04	0.22
(1,5057)	1:A:45:THR:HG22	1:A:47:LEU:HG	16	0.21	0.04	0.22

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,5057)	1:A:45:THR:HG23	1:A:47:LEU:HG	16	0.21	0.04	0.22
(1,5057)	1:A:45:THR:HG21	1:B:10:THR:HG21	16	0.21	0.04	0.22
(1,5057)	1:A:45:THR:HG21	1:B:10:THR:HG22	16	0.21	0.04	0.22
(1,5057)	1:A:45:THR:HG21	1:B:10:THR:HG23	16	0.21	0.04	0.22
(1,5057)	1:A:45:THR:HG22	1:B:10:THR:HG21	16	0.21	0.04	0.22
(1,5057)	1:A:45:THR:HG22	1:B:10:THR:HG22	16	0.21	0.04	0.22
(1,5057)	1:A:45:THR:HG22	1:B:10:THR:HG23	16	0.21	0.04	0.22
(1,5057)	1:A:45:THR:HG23	1:B:10:THR:HG21	16	0.21	0.04	0.22
(1,5057)	1:A:45:THR:HG23	1:B:10:THR:HG22	16	0.21	0.04	0.22
(1,5057)	1:A:45:THR:HG23	1:B:10:THR:HG23	16	0.21	0.04	0.22
(1,4154)	1:B:82:ASN:HA	1:B:81:LEU:HB2	16	0.16	0.04	0.16
(1,4154)	1:B:82:ASN:HA	1:B:83:LEU:HB3	16	0.16	0.04	0.16
(1,4154)	1:B:82:ASN:HA	1:A:81:LEU:HB2	16	0.16	0.04	0.16
(1,4688)	1:B:17:LEU:HD22	1:B:21:PHE:H	16	0.16	0.02	0.15
(1,4688)	1:B:17:LEU:HD21	1:B:21:PHE:H	16	0.16	0.02	0.15
(1,4688)	1:B:17:LEU:HD23	1:B:21:PHE:H	16	0.16	0.02	0.15
(1,4688)	1:B:38:GLU:H	1:B:40:LEU:HD22	16	0.16	0.02	0.15
(1,4688)	1:B:38:GLU:H	1:B:40:LEU:HD21	16	0.16	0.02	0.15
(1,4688)	1:B:38:GLU:H	1:B:40:LEU:HD23	16	0.16	0.02	0.15
(1,4688)	1:B:41:SER:H	1:B:40:LEU:HD22	16	0.16	0.02	0.15
(1,4688)	1:B:41:SER:H	1:B:40:LEU:HD21	16	0.16	0.02	0.15
(1,4688)	1:B:41:SER:H	1:B:40:LEU:HD23	16	0.16	0.02	0.15
(1,4688)	1:B:61:ASP:H	1:B:40:LEU:HD22	16	0.16	0.02	0.15
(1,4688)	1:B:61:ASP:H	1:B:40:LEU:HD21	16	0.16	0.02	0.15
(1,4688)	1:B:61:ASP:H	1:B:40:LEU:HD23	16	0.16	0.02	0.15
(1,4688)	1:B:61:ASP:H	1:B:60:LEU:HD22	16	0.16	0.02	0.15
(1,4688)	1:B:61:ASP:H	1:B:60:LEU:HD21	16	0.16	0.02	0.15
(1,4688)	1:B:61:ASP:H	1:B:60:LEU:HD23	16	0.16	0.02	0.15
(1,4687)	1:A:17:LEU:HD22	1:A:21:PHE:H	16	0.16	0.02	0.15
(1,4687)	1:A:17:LEU:HD21	1:A:21:PHE:H	16	0.16	0.02	0.15
(1,4687)	1:A:17:LEU:HD23	1:A:21:PHE:H	16	0.16	0.02	0.15
(1,4687)	1:A:38:GLU:H	1:A:40:LEU:HD22	16	0.16	0.02	0.15
(1,4687)	1:A:38:GLU:H	1:A:40:LEU:HD21	16	0.16	0.02	0.15
(1,4687)	1:A:38:GLU:H	1:A:40:LEU:HD23	16	0.16	0.02	0.15
(1,4687)	1:A:41:SER:H	1:A:40:LEU:HD22	16	0.16	0.02	0.15
(1,4687)	1:A:41:SER:H	1:A:40:LEU:HD21	16	0.16	0.02	0.15
(1,4687)	1:A:41:SER:H	1:A:40:LEU:HD23	16	0.16	0.02	0.15
(1,4687)	1:A:61:ASP:H	1:A:40:LEU:HD22	16	0.16	0.02	0.15
(1,4687)	1:A:61:ASP:H	1:A:40:LEU:HD21	16	0.16	0.02	0.15
(1,4687)	1:A:61:ASP:H	1:A:40:LEU:HD23	16	0.16	0.02	0.15
(1,4687)	1:A:61:ASP:H	1:A:60:LEU:HD22	16	0.16	0.02	0.15
(1,4687)	1:A:61:ASP:H	1:A:60:LEU:HD21	16	0.16	0.02	0.15

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,4687)	1:A:61:ASP:H	1:A:60:LEU:HD23	16	0.16	0.02	0.15
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD22	16	0.16	0.03	0.16
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD21	16	0.16	0.03	0.16
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD23	16	0.16	0.03	0.16
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD22	16	0.16	0.03	0.16
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD21	16	0.16	0.03	0.16
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD23	16	0.16	0.03	0.16
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD22	16	0.16	0.03	0.16
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD21	16	0.16	0.03	0.16
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD23	16	0.16	0.03	0.16
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD12	16	0.16	0.03	0.16
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD11	16	0.16	0.03	0.16
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD13	16	0.16	0.03	0.16
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD12	16	0.16	0.03	0.16
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD11	16	0.16	0.03	0.16
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD13	16	0.16	0.03	0.16
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD12	16	0.16	0.03	0.16
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD11	16	0.16	0.03	0.16
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD13	16	0.16	0.03	0.16
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD22	16	0.16	0.03	0.16
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD21	16	0.16	0.03	0.16
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD23	16	0.16	0.03	0.16
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD22	16	0.16	0.03	0.16
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD21	16	0.16	0.03	0.16
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD23	16	0.16	0.03	0.16
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD22	16	0.16	0.03	0.16
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD21	16	0.16	0.03	0.16
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD23	16	0.16	0.03	0.16
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD12	16	0.16	0.03	0.16
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD11	16	0.16	0.03	0.16
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD13	16	0.16	0.03	0.16
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD12	16	0.16	0.03	0.16
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD11	16	0.16	0.03	0.16
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD13	16	0.16	0.03	0.16
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD12	16	0.16	0.03	0.16
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD11	16	0.16	0.03	0.16
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD13	16	0.16	0.03	0.16
(1,4341)	1:A:41:SER:H	1:A:60:LEU:HD12	16	0.14	0.03	0.13
(1,4341)	1:A:41:SER:H	1:A:60:LEU:HD11	16	0.14	0.03	0.13
(1,4341)	1:A:41:SER:H	1:A:60:LEU:HD13	16	0.14	0.03	0.13
(1,4341)	1:A:83:LEU:HD12	1:A:86:GLY:H	16	0.14	0.03	0.13
(1,4341)	1:A:83:LEU:HD11	1:A:86:GLY:H	16	0.14	0.03	0.13

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,4341)	1:A:83:LEU:HD13	1:A:86:GLY:H	16	0.14	0.03	0.13
(1,4342)	1:B:41:SER:H	1:B:60:LEU:HD12	16	0.14	0.03	0.13
(1,4342)	1:B:41:SER:H	1:B:60:LEU:HD11	16	0.14	0.03	0.13
(1,4342)	1:B:41:SER:H	1:B:60:LEU:HD13	16	0.14	0.03	0.13
(1,4342)	1:B:83:LEU:HD12	1:B:86:GLY:H	16	0.14	0.03	0.13
(1,4342)	1:B:83:LEU:HD11	1:B:86:GLY:H	16	0.14	0.03	0.13
(1,4342)	1:B:83:LEU:HD13	1:B:86:GLY:H	16	0.14	0.03	0.13
(1,267)	1:A:75:LEU:HB3	1:A:39:PHE:HB3	15	1.31	0.67	1.64
(1,268)	1:B:75:LEU:HB3	1:B:39:PHE:HB3	15	1.31	0.67	1.64
(1,3926)	1:B:15:GLU:HB2	1:B:13:CYS:HB3	15	0.29	0.1	0.31
(1,3926)	1:B:15:GLU:HB3	1:B:13:CYS:HB3	15	0.29	0.1	0.31
(1,3926)	1:B:15:GLU:HB2	1:A:91:CYS:HB2	15	0.29	0.1	0.31
(1,3926)	1:B:15:GLU:HB2	1:A:91:CYS:HB3	15	0.29	0.1	0.31
(1,3926)	1:B:15:GLU:HB3	1:A:91:CYS:HB2	15	0.29	0.1	0.31
(1,3926)	1:B:15:GLU:HB3	1:A:91:CYS:HB3	15	0.29	0.1	0.31
(1,3926)	1:B:9:GLU:HB2	1:B:13:CYS:HB3	15	0.29	0.1	0.31
(1,3926)	1:B:9:GLU:HB3	1:B:13:CYS:HB3	15	0.29	0.1	0.31
(1,3925)	1:A:15:GLU:HB2	1:A:13:CYS:HB3	15	0.29	0.1	0.3
(1,3925)	1:A:15:GLU:HB3	1:A:13:CYS:HB3	15	0.29	0.1	0.3
(1,3925)	1:A:15:GLU:HB2	1:B:91:CYS:HB2	15	0.29	0.1	0.3
(1,3925)	1:A:15:GLU:HB2	1:B:91:CYS:HB3	15	0.29	0.1	0.3
(1,3925)	1:A:15:GLU:HB3	1:B:91:CYS:HB2	15	0.29	0.1	0.3
(1,3925)	1:A:15:GLU:HB3	1:B:91:CYS:HB3	15	0.29	0.1	0.3
(1,3925)	1:A:9:GLU:HB2	1:A:13:CYS:HB3	15	0.29	0.1	0.3
(1,3925)	1:A:9:GLU:HB3	1:A:13:CYS:HB3	15	0.29	0.1	0.3
(1,4653)	1:A:94:SER:HB2	1:A:99:VAL:HB	15	0.24	0.06	0.24
(1,4653)	1:A:94:SER:HB3	1:A:99:VAL:HB	15	0.24	0.06	0.24
(1,4653)	1:A:94:SER:HB2	1:A:100:PRO:HB3	15	0.24	0.06	0.24
(1,4653)	1:A:94:SER:HB3	1:A:100:PRO:HB3	15	0.24	0.06	0.24
(1,4653)	1:A:94:SER:HB2	1:A:100:PRO:HG2	15	0.24	0.06	0.24
(1,4653)	1:A:94:SER:HB3	1:A:100:PRO:HG2	15	0.24	0.06	0.24
(1,4653)	1:A:94:SER:HB2	1:A:100:PRO:HG3	15	0.24	0.06	0.24
(1,4653)	1:A:94:SER:HB3	1:A:100:PRO:HG3	15	0.24	0.06	0.24
(1,4653)	1:A:94:SER:HB2	1:B:11:GLU:HB2	15	0.24	0.06	0.24
(1,4653)	1:A:94:SER:HB2	1:B:11:GLU:HB3	15	0.24	0.06	0.24
(1,4653)	1:A:94:SER:HB3	1:B:11:GLU:HB2	15	0.24	0.06	0.24
(1,4653)	1:A:94:SER:HB3	1:B:11:GLU:HB3	15	0.24	0.06	0.24
(1,4653)	1:A:94:SER:HB2	1:B:14:ILE:HB	15	0.24	0.06	0.24
(1,4653)	1:A:94:SER:HB3	1:B:14:ILE:HB	15	0.24	0.06	0.24
(1,4653)	1:A:94:SER:HB2	1:B:22:GLN:HB2	15	0.24	0.06	0.24
(1,4653)	1:A:94:SER:HB2	1:B:22:GLN:HB3	15	0.24	0.06	0.24
(1,4653)	1:A:94:SER:HB3	1:B:22:GLN:HB2	15	0.24	0.06	0.24

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,4653)	1:A:94:SER:HB3	1:B:22:GLN:HB3	15	0.24	0.06	0.24
(1,4245)	1:A:89:MET:HB2	1:A:85:GLY:H	15	0.17	0.03	0.16
(1,4245)	1:A:89:MET:HB3	1:A:85:GLY:H	15	0.17	0.03	0.16
(1,4245)	1:A:100:PRO:HB2	1:B:22:GLN:H	15	0.17	0.03	0.16
(1,4153)	1:A:82:ASN:HA	1:A:81:LEU:HB2	15	0.16	0.04	0.18
(1,4153)	1:A:82:ASN:HA	1:A:83:LEU:HB3	15	0.16	0.04	0.18
(1,4153)	1:A:82:ASN:HA	1:B:81:LEU:HB2	15	0.16	0.04	0.18
(3,29)	1:A:46:GLU:N	1:A:42:PHE:O	15	0.16	0.01	0.16
(3,87)	1:B:46:GLU:N	1:B:42:PHE:O	15	0.16	0.01	0.16
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG22	15	0.14	0.02	0.14
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG21	15	0.14	0.02	0.14
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG23	15	0.14	0.02	0.14
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG12	15	0.14	0.02	0.14
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG11	15	0.14	0.02	0.14
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG13	15	0.14	0.02	0.14
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG22	15	0.14	0.02	0.13
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG21	15	0.14	0.02	0.13
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG23	15	0.14	0.02	0.13
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG12	15	0.14	0.02	0.13
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG11	15	0.14	0.02	0.13
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG13	15	0.14	0.02	0.13
(2,59)	1:A:42:PHE:HB3	1:A:24:TYR:H	14	1.26	0.08	1.26
(2,60)	1:B:42:PHE:HB3	1:B:24:TYR:H	14	1.26	0.08	1.26
(1,1627)	1:A:24:TYR:HB3	1:A:42:PHE:HB3	14	0.99	0.15	1.0
(1,1628)	1:B:24:TYR:HB3	1:B:42:PHE:HB3	14	0.99	0.15	1.0
(1,4195)	1:A:52:LYS:HD2	1:A:53:ASN:HB3	14	0.52	0.24	0.55
(1,4195)	1:A:52:LYS:HD3	1:A:53:ASN:HB3	14	0.52	0.24	0.55
(1,4195)	1:A:52:LYS:HD2	1:A:44:ASN:HB3	14	0.52	0.24	0.55
(1,4195)	1:A:52:LYS:HD3	1:A:44:ASN:HB3	14	0.52	0.24	0.55
(1,4195)	1:A:52:LYS:HB2	1:A:53:ASN:HB3	14	0.52	0.24	0.55
(1,4195)	1:A:52:LYS:HB3	1:A:53:ASN:HB3	14	0.52	0.24	0.55
(1,4196)	1:B:52:LYS:HD2	1:B:53:ASN:HB3	14	0.52	0.24	0.55
(1,4196)	1:B:52:LYS:HD3	1:B:53:ASN:HB3	14	0.52	0.24	0.55
(1,4196)	1:B:52:LYS:HD2	1:B:44:ASN:HB3	14	0.52	0.24	0.55
(1,4196)	1:B:52:LYS:HD3	1:B:44:ASN:HB3	14	0.52	0.24	0.55
(1,4196)	1:B:52:LYS:HB2	1:B:53:ASN:HB3	14	0.52	0.24	0.55
(1,4196)	1:B:52:LYS:HB3	1:B:53:ASN:HB3	14	0.52	0.24	0.55
(1,2767)	1:A:80:PHE:H	1:A:75:LEU:HB2	14	0.37	0.13	0.34
(1,2768)	1:B:80:PHE:H	1:B:75:LEU:HB2	14	0.37	0.13	0.34
(1,4654)	1:B:94:SER:HB2	1:B:99:VAL:HB	14	0.25	0.05	0.24
(1,4654)	1:B:94:SER:HB3	1:B:99:VAL:HB	14	0.25	0.05	0.24
(1,4654)	1:B:94:SER:HB2	1:B:100:PRO:HB3	14	0.25	0.05	0.24

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,4654)	1:B:94:SER:HB3	1:B:100:PRO:HB3	14	0.25	0.05	0.24
(1,4654)	1:B:94:SER:HB2	1:B:100:PRO:HG2	14	0.25	0.05	0.24
(1,4654)	1:B:94:SER:HB3	1:B:100:PRO:HG2	14	0.25	0.05	0.24
(1,4654)	1:B:94:SER:HB2	1:B:100:PRO:HG3	14	0.25	0.05	0.24
(1,4654)	1:B:94:SER:HB3	1:B:100:PRO:HG3	14	0.25	0.05	0.24
(1,4654)	1:B:94:SER:HB2	1:A:11:GLU:HB2	14	0.25	0.05	0.24
(1,4654)	1:B:94:SER:HB2	1:A:11:GLU:HB3	14	0.25	0.05	0.24
(1,4654)	1:B:94:SER:HB3	1:A:11:GLU:HB2	14	0.25	0.05	0.24
(1,4654)	1:B:94:SER:HB3	1:A:11:GLU:HB3	14	0.25	0.05	0.24
(1,4654)	1:B:94:SER:HB2	1:A:14:ILE:HB	14	0.25	0.05	0.24
(1,4654)	1:B:94:SER:HB3	1:A:14:ILE:HB	14	0.25	0.05	0.24
(1,4654)	1:B:94:SER:HB2	1:A:22:GLN:HB2	14	0.25	0.05	0.24
(1,4654)	1:B:94:SER:HB2	1:A:22:GLN:HB3	14	0.25	0.05	0.24
(1,4654)	1:B:94:SER:HB3	1:A:22:GLN:HB2	14	0.25	0.05	0.24
(1,4654)	1:B:94:SER:HB3	1:A:22:GLN:HB3	14	0.25	0.05	0.24
(1,4052)	1:B:58:GLY:HA3	1:B:57:PRO:HB3	14	0.22	0.05	0.22
(1,4052)	1:B:58:GLY:HA3	1:B:57:PRO:HG2	14	0.22	0.05	0.22
(1,4052)	1:B:58:GLY:HA3	1:B:57:PRO:HG3	14	0.22	0.05	0.22
(1,5621)	1:A:47:LEU:H	1:A:45:THR:HG21	14	0.18	0.05	0.19
(1,5621)	1:A:47:LEU:H	1:A:45:THR:HG22	14	0.18	0.05	0.19
(1,5621)	1:A:47:LEU:H	1:A:45:THR:HG23	14	0.18	0.05	0.19
(1,5621)	1:A:47:LEU:H	1:A:48:ALA:HB2	14	0.18	0.05	0.19
(1,5621)	1:A:47:LEU:H	1:A:48:ALA:HB1	14	0.18	0.05	0.19
(1,5621)	1:A:47:LEU:H	1:A:48:ALA:HB3	14	0.18	0.05	0.19
(1,5622)	1:B:47:LEU:H	1:B:45:THR:HG21	14	0.18	0.05	0.19
(1,5622)	1:B:47:LEU:H	1:B:45:THR:HG22	14	0.18	0.05	0.19
(1,5622)	1:B:47:LEU:H	1:B:45:THR:HG23	14	0.18	0.05	0.19
(1,5622)	1:B:47:LEU:H	1:B:48:ALA:HB2	14	0.18	0.05	0.19
(1,5622)	1:B:47:LEU:H	1:B:48:ALA:HB1	14	0.18	0.05	0.19
(1,5622)	1:B:47:LEU:H	1:B:48:ALA:HB3	14	0.18	0.05	0.19
(1,4246)	1:B:89:MET:HB2	1:B:85:GLY:H	14	0.17	0.03	0.16
(1,4246)	1:B:89:MET:HB3	1:B:85:GLY:H	14	0.17	0.03	0.16
(1,4246)	1:B:100:PRO:HB2	1:A:22:GLN:H	14	0.17	0.03	0.16
(1,1221)	1:A:89:MET:HG2	1:A:88:ALA:HB2	14	0.16	0.04	0.14
(1,1221)	1:A:89:MET:HG2	1:A:88:ALA:HB1	14	0.16	0.04	0.14
(1,1221)	1:A:89:MET:HG2	1:A:88:ALA:HB3	14	0.16	0.04	0.14
(1,5530)	1:B:36:LYS:H	1:B:40:LEU:HD22	14	0.16	0.03	0.16
(1,5530)	1:B:36:LYS:H	1:B:40:LEU:HD21	14	0.16	0.03	0.16
(1,5530)	1:B:36:LYS:H	1:B:40:LEU:HD23	14	0.16	0.03	0.16
(1,5530)	1:B:39:PHE:H	1:B:40:LEU:HD22	14	0.16	0.03	0.16
(1,5530)	1:B:39:PHE:H	1:B:40:LEU:HD21	14	0.16	0.03	0.16
(1,5530)	1:B:39:PHE:H	1:B:40:LEU:HD23	14	0.16	0.03	0.16

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,4437)	1:A:22:GLN:HG2	1:A:25:ALA:HB2	13	0.41	0.22	0.41
(1,4437)	1:A:22:GLN:HG2	1:A:25:ALA:HB1	13	0.41	0.22	0.41
(1,4437)	1:A:22:GLN:HG2	1:A:25:ALA:HB3	13	0.41	0.22	0.41
(1,4437)	1:A:22:GLN:HG3	1:A:25:ALA:HB2	13	0.41	0.22	0.41
(1,4437)	1:A:22:GLN:HG3	1:A:25:ALA:HB1	13	0.41	0.22	0.41
(1,4437)	1:A:22:GLN:HG3	1:A:25:ALA:HB3	13	0.41	0.22	0.41
(1,4437)	1:A:25:ALA:HB2	1:A:24:TYR:HB3	13	0.41	0.22	0.41
(1,4437)	1:A:25:ALA:HB1	1:A:24:TYR:HB3	13	0.41	0.22	0.41
(1,4437)	1:A:25:ALA:HB3	1:A:24:TYR:HB3	13	0.41	0.22	0.41
(1,4438)	1:B:22:GLN:HG2	1:B:25:ALA:HB2	13	0.41	0.22	0.41
(1,4438)	1:B:22:GLN:HG2	1:B:25:ALA:HB1	13	0.41	0.22	0.41
(1,4438)	1:B:22:GLN:HG2	1:B:25:ALA:HB3	13	0.41	0.22	0.41
(1,4438)	1:B:22:GLN:HG3	1:B:25:ALA:HB2	13	0.41	0.22	0.41
(1,4438)	1:B:22:GLN:HG3	1:B:25:ALA:HB1	13	0.41	0.22	0.41
(1,4438)	1:B:22:GLN:HG3	1:B:25:ALA:HB3	13	0.41	0.22	0.41
(1,4438)	1:B:25:ALA:HB2	1:B:24:TYR:HB3	13	0.41	0.22	0.41
(1,4438)	1:B:25:ALA:HB1	1:B:24:TYR:HB3	13	0.41	0.22	0.41
(1,4438)	1:B:25:ALA:HB3	1:B:24:TYR:HB3	13	0.41	0.22	0.41
(1,4229)	1:A:11:GLU:HB2	1:A:13:CYS:HB3	13	0.4	0.12	0.4
(1,4229)	1:A:11:GLU:HB3	1:A:13:CYS:HB3	13	0.4	0.12	0.4
(1,4229)	1:A:12:ARG:HB2	1:A:13:CYS:HB3	13	0.4	0.12	0.4
(1,4229)	1:A:12:ARG:HB3	1:A:13:CYS:HB3	13	0.4	0.12	0.4
(1,4229)	1:A:14:ILE:HB	1:A:13:CYS:HB3	13	0.4	0.12	0.4
(1,4229)	1:A:91:CYS:HB2	1:B:14:ILE:HB	13	0.4	0.12	0.4
(1,4229)	1:A:91:CYS:HB3	1:B:14:ILE:HB	13	0.4	0.12	0.4
(1,4230)	1:B:11:GLU:HB2	1:B:13:CYS:HB3	13	0.4	0.12	0.4
(1,4230)	1:B:11:GLU:HB3	1:B:13:CYS:HB3	13	0.4	0.12	0.4
(1,4230)	1:B:12:ARG:HB2	1:B:13:CYS:HB3	13	0.4	0.12	0.4
(1,4230)	1:B:12:ARG:HB3	1:B:13:CYS:HB3	13	0.4	0.12	0.4
(1,4230)	1:B:14:ILE:HB	1:B:13:CYS:HB3	13	0.4	0.12	0.4
(1,4230)	1:B:91:CYS:HB2	1:A:14:ILE:HB	13	0.4	0.12	0.4
(1,4230)	1:B:91:CYS:HB3	1:A:14:ILE:HB	13	0.4	0.12	0.4
(1,3802)	1:B:40:LEU:HA	1:B:36:LYS:HE2	13	0.36	0.13	0.28
(1,3802)	1:B:40:LEU:HA	1:B:36:LYS:HE3	13	0.36	0.13	0.28
(1,3802)	1:B:21:PHE:HB2	1:B:22:GLN:HA	13	0.36	0.13	0.28
(1,3801)	1:A:40:LEU:HA	1:A:36:LYS:HE2	13	0.36	0.13	0.28
(1,3801)	1:A:40:LEU:HA	1:A:36:LYS:HE3	13	0.36	0.13	0.28
(1,3801)	1:A:21:PHE:HB2	1:A:22:GLN:HA	13	0.36	0.13	0.28
(1,5215)	1:A:34:LEU:H	1:A:21:PHE:HB3	13	0.3	0.13	0.31
(1,5215)	1:A:34:LEU:H	1:A:22:GLN:HG2	13	0.3	0.13	0.31
(1,5215)	1:A:34:LEU:H	1:A:22:GLN:HG3	13	0.3	0.13	0.31
(1,5215)	1:A:34:LEU:H	1:A:64:MET:HG2	13	0.3	0.13	0.31

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,5215)	1:A:34:LEU:H	1:A:64:MET:HG3	13	0.3	0.13	0.31
(1,5215)	1:A:34:LEU:H	1:A:77:PHE:HB2	13	0.3	0.13	0.31
(1,5216)	1:B:34:LEU:H	1:B:21:PHE:HB3	13	0.3	0.13	0.31
(1,5216)	1:B:34:LEU:H	1:B:22:GLN:HG2	13	0.3	0.13	0.31
(1,5216)	1:B:34:LEU:H	1:B:22:GLN:HG3	13	0.3	0.13	0.31
(1,5216)	1:B:34:LEU:H	1:B:64:MET:HG2	13	0.3	0.13	0.31
(1,5216)	1:B:34:LEU:H	1:B:64:MET:HG3	13	0.3	0.13	0.31
(1,5216)	1:B:34:LEU:H	1:B:77:PHE:HB2	13	0.3	0.13	0.31
(1,4051)	1:A:58:GLY:HA3	1:A:57:PRO:HB3	13	0.23	0.04	0.22
(1,4051)	1:A:58:GLY:HA3	1:A:57:PRO:HG2	13	0.23	0.04	0.22
(1,4051)	1:A:58:GLY:HA3	1:A:57:PRO:HG3	13	0.23	0.04	0.22
(1,4065)	1:A:44:ASN:HB3	1:A:40:LEU:HD12	13	0.2	0.04	0.2
(1,4065)	1:A:44:ASN:HB3	1:A:40:LEU:HD11	13	0.2	0.04	0.2
(1,4065)	1:A:44:ASN:HB3	1:A:40:LEU:HD13	13	0.2	0.04	0.2
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD22	13	0.2	0.04	0.2
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD21	13	0.2	0.04	0.2
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD23	13	0.2	0.04	0.2
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD12	13	0.2	0.04	0.2
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD11	13	0.2	0.04	0.2
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD13	13	0.2	0.04	0.2
(1,4066)	1:B:44:ASN:HB3	1:B:40:LEU:HD12	13	0.2	0.04	0.2
(1,4066)	1:B:44:ASN:HB3	1:B:40:LEU:HD11	13	0.2	0.04	0.2
(1,4066)	1:B:44:ASN:HB3	1:B:40:LEU:HD13	13	0.2	0.04	0.2
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD22	13	0.2	0.04	0.2
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD21	13	0.2	0.04	0.2
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD23	13	0.2	0.04	0.2
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD12	13	0.2	0.04	0.2
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD11	13	0.2	0.04	0.2
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD13	13	0.2	0.04	0.2
(1,3473)	1:A:11:GLU:H	1:A:17:LEU:HG	13	0.17	0.03	0.17
(1,3473)	1:A:17:LEU:HG	1:A:21:PHE:H	13	0.17	0.03	0.17
(1,3473)	1:A:17:LEU:HG	1:B:11:GLU:H	13	0.17	0.03	0.17
(1,3474)	1:B:11:GLU:H	1:B:17:LEU:HG	13	0.17	0.03	0.17
(1,3474)	1:B:17:LEU:HG	1:B:21:PHE:H	13	0.17	0.03	0.17
(1,3474)	1:B:17:LEU:HG	1:A:11:GLU:H	13	0.17	0.03	0.17
(1,5529)	1:A:36:LYS:H	1:A:40:LEU:HD22	13	0.16	0.03	0.17
(1,5529)	1:A:36:LYS:H	1:A:40:LEU:HD21	13	0.16	0.03	0.17
(1,5529)	1:A:36:LYS:H	1:A:40:LEU:HD23	13	0.16	0.03	0.17
(1,5529)	1:A:39:PHE:H	1:A:40:LEU:HD22	13	0.16	0.03	0.17
(1,5529)	1:A:39:PHE:H	1:A:40:LEU:HD21	13	0.16	0.03	0.17
(1,5529)	1:A:39:PHE:H	1:A:40:LEU:HD23	13	0.16	0.03	0.17
(1,1222)	1:B:89:MET:HG2	1:B:88:ALA:HB2	13	0.16	0.04	0.14

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1222)	1:B:89:MET:HG2	1:B:88:ALA:HB1	13	0.16	0.04	0.14
(1,1222)	1:B:89:MET:HG2	1:B:88:ALA:HB3	13	0.16	0.04	0.14
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD22	13	0.14	0.02	0.14
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD21	13	0.14	0.02	0.14
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD23	13	0.14	0.02	0.14
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD12	13	0.14	0.02	0.14
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD11	13	0.14	0.02	0.14
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD13	13	0.14	0.02	0.14
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD22	13	0.14	0.02	0.14
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD21	13	0.14	0.02	0.14
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD23	13	0.14	0.02	0.14
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD12	13	0.14	0.02	0.14
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD11	13	0.14	0.02	0.14
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD13	13	0.14	0.02	0.14
(1,2067)	1:A:13:CYS:HB2	1:B:13:CYS:HB2	12	2.84	0.07	2.82
(1,2068)	1:B:13:CYS:HB2	1:A:13:CYS:HB2	12	2.84	0.07	2.82
(1,55)	1:A:17:LEU:HD12	1:B:13:CYS:HB2	12	0.83	0.11	0.81
(1,55)	1:A:17:LEU:HD11	1:B:13:CYS:HB2	12	0.83	0.11	0.81
(1,55)	1:A:17:LEU:HD13	1:B:13:CYS:HB2	12	0.83	0.11	0.81
(1,56)	1:B:17:LEU:HD12	1:A:13:CYS:HB2	12	0.83	0.12	0.8
(1,56)	1:B:17:LEU:HD11	1:A:13:CYS:HB2	12	0.83	0.12	0.8
(1,56)	1:B:17:LEU:HD13	1:A:13:CYS:HB2	12	0.83	0.12	0.8
(1,4397)	1:A:13:CYS:HB2	1:B:17:LEU:HD12	12	0.67	0.09	0.63
(1,4397)	1:A:13:CYS:HB2	1:B:17:LEU:HD11	12	0.67	0.09	0.63
(1,4397)	1:A:13:CYS:HB2	1:B:17:LEU:HD13	12	0.67	0.09	0.63
(1,4397)	1:A:13:CYS:HB2	1:A:17:LEU:HD12	12	0.67	0.09	0.63
(1,4397)	1:A:13:CYS:HB2	1:A:17:LEU:HD11	12	0.67	0.09	0.63
(1,4397)	1:A:13:CYS:HB2	1:A:17:LEU:HD13	12	0.67	0.09	0.63
(1,4398)	1:B:13:CYS:HB2	1:A:17:LEU:HD12	12	0.66	0.08	0.63
(1,4398)	1:B:13:CYS:HB2	1:A:17:LEU:HD11	12	0.66	0.08	0.63
(1,4398)	1:B:13:CYS:HB2	1:A:17:LEU:HD13	12	0.66	0.08	0.63
(1,4398)	1:B:13:CYS:HB2	1:B:17:LEU:HD12	12	0.66	0.08	0.63
(1,4398)	1:B:13:CYS:HB2	1:B:17:LEU:HD11	12	0.66	0.08	0.63
(1,4398)	1:B:13:CYS:HB2	1:B:17:LEU:HD13	12	0.66	0.08	0.63
(1,3489)	1:A:13:CYS:HB2	1:A:81:LEU:HD22	12	0.47	0.1	0.44
(1,3489)	1:A:13:CYS:HB2	1:A:81:LEU:HD21	12	0.47	0.1	0.44
(1,3489)	1:A:13:CYS:HB2	1:A:81:LEU:HD23	12	0.47	0.1	0.44
(1,3489)	1:A:13:CYS:HB2	1:B:81:LEU:HD22	12	0.47	0.1	0.44
(1,3489)	1:A:13:CYS:HB2	1:B:81:LEU:HD21	12	0.47	0.1	0.44
(1,3489)	1:A:13:CYS:HB2	1:B:81:LEU:HD23	12	0.47	0.1	0.44
(1,3490)	1:B:13:CYS:HB2	1:B:81:LEU:HD22	12	0.46	0.09	0.43
(1,3490)	1:B:13:CYS:HB2	1:B:81:LEU:HD21	12	0.46	0.09	0.43

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,3490)	1:B:13:CYS:HB2	1:B:81:LEU:HD23	12	0.46	0.09	0.43
(1,3490)	1:B:13:CYS:HB2	1:A:81:LEU:HD22	12	0.46	0.09	0.43
(1,3490)	1:B:13:CYS:HB2	1:A:81:LEU:HD21	12	0.46	0.09	0.43
(1,3490)	1:B:13:CYS:HB2	1:A:81:LEU:HD23	12	0.46	0.09	0.43
(1,4103)	1:A:42:PHE:HA	1:A:20:VAL:HB	12	0.39	0.24	0.36
(1,4103)	1:A:42:PHE:HA	1:A:38:GLU:HB2	12	0.39	0.24	0.36
(1,4104)	1:B:42:PHE:HA	1:B:20:VAL:HB	12	0.39	0.24	0.36
(1,4104)	1:B:42:PHE:HA	1:B:38:GLU:HB2	12	0.39	0.24	0.36
(1,4832)	1:B:12:ARG:HD2	1:B:9:GLU:HA	12	0.2	0.04	0.2
(1,4832)	1:B:12:ARG:HD3	1:B:9:GLU:HA	12	0.2	0.04	0.2
(1,4832)	1:B:12:ARG:HD2	1:B:12:ARG:HA	12	0.2	0.04	0.2
(1,4832)	1:B:12:ARG:HD3	1:B:12:ARG:HA	12	0.2	0.04	0.2
(1,4831)	1:A:12:ARG:HD2	1:A:9:GLU:HA	12	0.2	0.04	0.19
(1,4831)	1:A:12:ARG:HD3	1:A:9:GLU:HA	12	0.2	0.04	0.19
(1,4831)	1:A:12:ARG:HD2	1:A:12:ARG:HA	12	0.2	0.04	0.19
(1,4831)	1:A:12:ARG:HD3	1:A:12:ARG:HA	12	0.2	0.04	0.19
(1,3677)	1:A:74:GLN:HG2	1:A:33:THR:HA	12	0.16	0.03	0.16
(1,3677)	1:A:74:GLN:HG3	1:A:33:THR:HA	12	0.16	0.03	0.16
(1,3677)	1:A:74:GLN:HG2	1:A:34:LEU:HA	12	0.16	0.03	0.16
(1,3677)	1:A:74:GLN:HG3	1:A:34:LEU:HA	12	0.16	0.03	0.16
(1,3678)	1:B:74:GLN:HG2	1:B:33:THR:HA	12	0.16	0.03	0.16
(1,3678)	1:B:74:GLN:HG3	1:B:33:THR:HA	12	0.16	0.03	0.16
(1,3678)	1:B:74:GLN:HG2	1:B:34:LEU:HA	12	0.16	0.03	0.16
(1,3678)	1:B:74:GLN:HG3	1:B:34:LEU:HA	12	0.16	0.03	0.16
(1,88)	1:B:15:GLU:HB2	1:A:9:GLU:HG2	12	0.14	0.02	0.15
(1,88)	1:B:15:GLU:HB2	1:A:9:GLU:HG3	12	0.14	0.02	0.15
(1,88)	1:B:15:GLU:HB3	1:A:9:GLU:HG2	12	0.14	0.02	0.15
(1,88)	1:B:15:GLU:HB3	1:A:9:GLU:HG3	12	0.14	0.02	0.15
(1,90)	1:B:15:GLU:HB2	1:A:9:GLU:HG2	12	0.14	0.02	0.15
(1,90)	1:B:15:GLU:HB2	1:A:9:GLU:HG3	12	0.14	0.02	0.15
(1,90)	1:B:15:GLU:HB3	1:A:9:GLU:HG2	12	0.14	0.02	0.15
(1,90)	1:B:15:GLU:HB3	1:A:9:GLU:HG3	12	0.14	0.02	0.15
(2,57)	1:A:8:THR:HB	1:B:45:THR:HB	12	0.14	0.03	0.14
(1,279)	1:A:17:LEU:HB2	1:A:21:PHE:H	12	0.13	0.02	0.12
(1,280)	1:B:17:LEU:HB2	1:B:21:PHE:H	12	0.13	0.03	0.12
(1,1848)	1:B:59:VAL:HG22	1:B:60:LEU:HA	12	0.13	0.01	0.13
(1,1848)	1:B:59:VAL:HG21	1:B:60:LEU:HA	12	0.13	0.01	0.13
(1,1848)	1:B:59:VAL:HG23	1:B:60:LEU:HA	12	0.13	0.01	0.13
(1,1847)	1:A:59:VAL:HG22	1:A:60:LEU:HA	12	0.13	0.01	0.12
(1,1847)	1:A:59:VAL:HG21	1:A:60:LEU:HA	12	0.13	0.01	0.12
(1,1847)	1:A:59:VAL:HG23	1:A:60:LEU:HA	12	0.13	0.01	0.12
(1,181)	1:A:39:PHE:HB3	1:A:34:LEU:HA	11	1.12	0.2	1.0

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,182)	1:B:39:PHE:HB3	1:B:34:LEU:HA	11	1.12	0.2	1.0
(1,224)	1:B:34:LEU:HB2	1:B:39:PHE:HB3	11	1.1	0.16	1.06
(1,223)	1:A:34:LEU:HB2	1:A:39:PHE:HB3	11	1.1	0.16	1.06
(1,411)	1:A:62:ARG:HD2	1:A:59:VAL:HG12	11	0.72	0.18	0.71
(1,411)	1:A:62:ARG:HD2	1:A:59:VAL:HG11	11	0.72	0.18	0.71
(1,411)	1:A:62:ARG:HD2	1:A:59:VAL:HG13	11	0.72	0.18	0.71
(1,412)	1:B:62:ARG:HD2	1:B:59:VAL:HG12	11	0.72	0.18	0.71
(1,412)	1:B:62:ARG:HD2	1:B:59:VAL:HG11	11	0.72	0.18	0.71
(1,412)	1:B:62:ARG:HD2	1:B:59:VAL:HG13	11	0.72	0.18	0.71
(1,3537)	1:A:39:PHE:HB3	1:A:34:LEU:HA	11	0.6	0.1	0.58
(1,3537)	1:A:34:LEU:HA	1:A:80:PHE:HB2	11	0.6	0.1	0.58
(1,3538)	1:B:39:PHE:HB3	1:B:34:LEU:HA	11	0.6	0.1	0.58
(1,3538)	1:B:34:LEU:HA	1:B:80:PHE:HB2	11	0.6	0.1	0.58
(1,3588)	1:B:75:LEU:HB2	1:B:76:ASP:HB2	11	0.36	0.19	0.34
(1,3588)	1:B:76:ASP:HB2	1:B:77:PHE:HB3	11	0.36	0.19	0.34
(1,3587)	1:A:75:LEU:HB2	1:A:76:ASP:HB2	11	0.36	0.19	0.33
(1,3587)	1:A:76:ASP:HB2	1:A:77:PHE:HB3	11	0.36	0.19	0.33
(1,135)	1:A:89:MET:HG2	1:A:85:GLY:HA3	11	0.3	0.12	0.33
(1,136)	1:B:89:MET:HG2	1:B:85:GLY:HA3	11	0.29	0.13	0.33
(1,3680)	1:B:33:THR:HB	1:B:34:LEU:HG	11	0.24	0.07	0.22
(1,3680)	1:B:33:THR:HB	1:B:75:LEU:HB3	11	0.24	0.07	0.22
(1,3679)	1:A:33:THR:HB	1:A:34:LEU:HG	11	0.24	0.07	0.22
(1,3679)	1:A:33:THR:HB	1:A:75:LEU:HB3	11	0.24	0.07	0.22
(1,3935)	1:A:82:ASN:HB3	1:A:66:LYS:HD2	11	0.21	0.06	0.2
(1,3935)	1:A:82:ASN:HB3	1:A:66:LYS:HD3	11	0.21	0.06	0.2
(1,3935)	1:A:82:ASN:HB3	1:A:67:LEU:HB2	11	0.21	0.06	0.2
(1,3935)	1:A:82:ASN:HB3	1:A:83:LEU:HB3	11	0.21	0.06	0.2
(1,3936)	1:B:82:ASN:HB3	1:B:66:LYS:HD2	11	0.21	0.05	0.2
(1,3936)	1:B:82:ASN:HB3	1:B:66:LYS:HD3	11	0.21	0.05	0.2
(1,3936)	1:B:82:ASN:HB3	1:B:67:LEU:HB2	11	0.21	0.05	0.2
(1,3936)	1:B:82:ASN:HB3	1:B:83:LEU:HB3	11	0.21	0.05	0.2
(1,3458)	1:B:11:GLU:HA	1:B:12:ARG:HD2	11	0.17	0.08	0.14
(1,3458)	1:B:11:GLU:HA	1:B:12:ARG:HD3	11	0.17	0.08	0.14
(1,3458)	1:B:11:GLU:HA	1:A:50:PHE:HB2	11	0.17	0.08	0.14
(1,3458)	1:B:11:GLU:HA	1:A:50:PHE:HB3	11	0.17	0.08	0.14
(1,3457)	1:A:11:GLU:HA	1:A:12:ARG:HD2	11	0.17	0.08	0.14
(1,3457)	1:A:11:GLU:HA	1:A:12:ARG:HD3	11	0.17	0.08	0.14
(1,3457)	1:A:11:GLU:HA	1:B:50:PHE:HB2	11	0.17	0.08	0.14
(1,3457)	1:A:11:GLU:HA	1:B:50:PHE:HB3	11	0.17	0.08	0.14
(1,4488)	1:B:84:ILE:HB	1:B:17:LEU:HD22	11	0.16	0.04	0.15
(1,4488)	1:B:84:ILE:HB	1:B:17:LEU:HD21	11	0.16	0.04	0.15
(1,4488)	1:B:84:ILE:HB	1:B:17:LEU:HD23	11	0.16	0.04	0.15

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,4488)	1:B:84:ILE:HB	1:B:81:LEU:HG	11	0.16	0.04	0.15
(1,4488)	1:B:84:ILE:HB	1:B:83:LEU:HD22	11	0.16	0.04	0.15
(1,4488)	1:B:84:ILE:HB	1:B:83:LEU:HD21	11	0.16	0.04	0.15
(1,4488)	1:B:84:ILE:HB	1:B:83:LEU:HD23	11	0.16	0.04	0.15
(1,4487)	1:A:84:ILE:HB	1:A:17:LEU:HD22	11	0.16	0.04	0.14
(1,4487)	1:A:84:ILE:HB	1:A:17:LEU:HD21	11	0.16	0.04	0.14
(1,4487)	1:A:84:ILE:HB	1:A:17:LEU:HD23	11	0.16	0.04	0.14
(1,4487)	1:A:84:ILE:HB	1:A:81:LEU:HG	11	0.16	0.04	0.14
(1,4487)	1:A:84:ILE:HB	1:A:83:LEU:HD22	11	0.16	0.04	0.14
(1,4487)	1:A:84:ILE:HB	1:A:83:LEU:HD21	11	0.16	0.04	0.14
(1,4487)	1:A:84:ILE:HB	1:A:83:LEU:HD23	11	0.16	0.04	0.14
(1,3883)	1:A:89:MET:HG3	1:A:83:LEU:H	11	0.15	0.02	0.15
(1,3883)	1:A:89:MET:HG3	1:B:82:ASN:H	11	0.15	0.02	0.15
(1,3883)	1:A:63:MET:HG3	1:A:65:LYS:H	11	0.15	0.02	0.15
(1,3884)	1:B:89:MET:HG3	1:B:83:LEU:H	11	0.15	0.02	0.15
(1,3884)	1:B:89:MET:HG3	1:A:82:ASN:H	11	0.15	0.02	0.15
(1,3884)	1:B:63:MET:HG3	1:B:65:LYS:H	11	0.15	0.02	0.15
(1,87)	1:A:15:GLU:HB2	1:B:9:GLU:HG2	11	0.15	0.02	0.15
(1,87)	1:A:15:GLU:HB2	1:B:9:GLU:HG3	11	0.15	0.02	0.15
(1,87)	1:A:15:GLU:HB3	1:B:9:GLU:HG2	11	0.15	0.02	0.15
(1,87)	1:A:15:GLU:HB3	1:B:9:GLU:HG3	11	0.15	0.02	0.15
(1,89)	1:A:15:GLU:HB2	1:B:9:GLU:HG2	11	0.15	0.02	0.15
(1,89)	1:A:15:GLU:HB2	1:B:9:GLU:HG3	11	0.15	0.02	0.15
(1,89)	1:A:15:GLU:HB3	1:B:9:GLU:HG2	11	0.15	0.02	0.15
(1,89)	1:A:15:GLU:HB3	1:B:9:GLU:HG3	11	0.15	0.02	0.15
(2,58)	1:B:8:THR:HB	1:A:45:THR:HB	11	0.15	0.03	0.14
(1,5029)	1:A:62:ARG:HG3	1:A:62:ARG:HA	11	0.14	0.03	0.13
(1,5029)	1:A:65:LYS:HG2	1:A:65:LYS:HA	11	0.14	0.03	0.13
(1,5029)	1:A:65:LYS:HG3	1:A:65:LYS:HA	11	0.14	0.03	0.13
(1,3913)	1:A:35:SER:HA	1:A:34:LEU:HG	11	0.14	0.03	0.13
(1,3913)	1:A:35:SER:HA	1:A:75:LEU:HB3	11	0.14	0.03	0.13
(1,3914)	1:B:35:SER:HA	1:B:34:LEU:HG	11	0.14	0.02	0.14
(1,3914)	1:B:35:SER:HA	1:B:75:LEU:HB3	11	0.14	0.02	0.14
(1,3170)	1:B:23:LYS:H	1:B:23:LYS:HD2	11	0.14	0.05	0.12
(1,3170)	1:B:23:LYS:H	1:B:23:LYS:HD3	11	0.14	0.05	0.12
(1,3169)	1:A:23:LYS:H	1:A:23:LYS:HD2	11	0.14	0.05	0.12
(1,3169)	1:A:23:LYS:H	1:A:23:LYS:HD3	11	0.14	0.05	0.12
(1,4779)	1:A:10:THR:HB	1:A:14:ILE:HD12	11	0.13	0.03	0.12
(1,4779)	1:A:10:THR:HB	1:A:14:ILE:HD11	11	0.13	0.03	0.12
(1,4779)	1:A:10:THR:HB	1:A:14:ILE:HD13	11	0.13	0.03	0.12
(1,4779)	1:A:14:ILE:HD12	1:B:88:ALA:HA	11	0.13	0.03	0.12
(1,4779)	1:A:14:ILE:HD11	1:B:88:ALA:HA	11	0.13	0.03	0.12

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,4779)	1:A:14:ILE:HD13	1:B:88:ALA:HA	11	0.13	0.03	0.12
(3,49)	1:A:92:HIS:N	1:A:88:ALA:O	11	0.13	0.02	0.13
(3,107)	1:B:92:HIS:N	1:B:88:ALA:O	11	0.13	0.02	0.12
(1,715)	1:A:76:ASP:HA	1:A:77:PHE:HB2	10	0.78	0.55	0.8
(1,716)	1:B:76:ASP:HA	1:B:77:PHE:HB2	10	0.78	0.55	0.8
(1,2591)	1:A:26:GLY:H	1:A:24:TYR:HB3	10	0.29	0.12	0.28
(1,2592)	1:B:26:GLY:H	1:B:24:TYR:HB3	10	0.29	0.12	0.28
(2,122)	1:B:76:ASP:HB3	1:B:68:ASP:HA	10	0.26	0.23	0.16
(2,121)	1:A:76:ASP:HB3	1:A:68:ASP:HA	10	0.26	0.23	0.16
(1,3468)	1:B:75:LEU:HB3	1:B:33:THR:HA	10	0.2	0.06	0.2
(1,3468)	1:B:75:LEU:HB3	1:B:34:LEU:HA	10	0.2	0.06	0.2
(1,3467)	1:A:75:LEU:HB3	1:A:33:THR:HA	10	0.2	0.06	0.19
(1,3467)	1:A:75:LEU:HB3	1:A:34:LEU:HA	10	0.2	0.06	0.19
(1,4150)	1:B:17:LEU:HG	1:B:13:CYS:HB2	10	0.2	0.1	0.16
(1,4150)	1:B:13:CYS:HB2	1:A:17:LEU:HG	10	0.2	0.1	0.16
(1,4261)	1:A:59:VAL:HA	1:A:61:ASP:HB2	10	0.16	0.03	0.15
(1,4261)	1:A:63:MET:HG2	1:A:59:VAL:HA	10	0.16	0.03	0.15
(1,382)	1:B:11:GLU:HG2	1:B:10:THR:H	10	0.16	0.11	0.12
(1,5030)	1:B:62:ARG:HG3	1:B:62:ARG:HA	10	0.15	0.03	0.14
(1,5030)	1:B:65:LYS:HG2	1:B:65:LYS:HA	10	0.15	0.03	0.14
(1,5030)	1:B:65:LYS:HG3	1:B:65:LYS:HA	10	0.15	0.03	0.14
(1,4652)	1:B:37:THR:HG21	1:B:41:SER:H	10	0.15	0.03	0.15
(1,4652)	1:B:37:THR:HG22	1:B:41:SER:H	10	0.15	0.03	0.15
(1,4652)	1:B:37:THR:HG23	1:B:41:SER:H	10	0.15	0.03	0.15
(1,4652)	1:B:71:SER:H	1:B:69:THR:HG21	10	0.15	0.03	0.15
(1,4652)	1:B:71:SER:H	1:B:69:THR:HG22	10	0.15	0.03	0.15
(1,4652)	1:B:71:SER:H	1:B:69:THR:HG23	10	0.15	0.03	0.15
(1,3137)	1:A:76:ASP:H	1:A:75:LEU:HD22	10	0.15	0.02	0.14
(1,3137)	1:A:76:ASP:H	1:A:75:LEU:HD21	10	0.15	0.02	0.14
(1,3137)	1:A:76:ASP:H	1:A:75:LEU:HD23	10	0.15	0.02	0.14
(1,3138)	1:B:76:ASP:H	1:B:75:LEU:HD22	10	0.15	0.02	0.14
(1,3138)	1:B:76:ASP:H	1:B:75:LEU:HD21	10	0.15	0.02	0.14
(1,3138)	1:B:76:ASP:H	1:B:75:LEU:HD23	10	0.15	0.02	0.14
(1,3955)	1:A:48:ALA:HA	1:A:50:PHE:HB2	10	0.14	0.02	0.15
(1,3955)	1:A:48:ALA:HA	1:A:50:PHE:HB3	10	0.14	0.02	0.15
(1,3955)	1:A:49:ALA:HA	1:A:50:PHE:HB2	10	0.14	0.02	0.15
(1,3955)	1:A:49:ALA:HA	1:A:50:PHE:HB3	10	0.14	0.02	0.15
(1,3956)	1:B:48:ALA:HA	1:B:50:PHE:HB2	10	0.14	0.02	0.15
(1,3956)	1:B:48:ALA:HA	1:B:50:PHE:HB3	10	0.14	0.02	0.15
(1,3956)	1:B:49:ALA:HA	1:B:50:PHE:HB2	10	0.14	0.02	0.15
(1,3956)	1:B:49:ALA:HA	1:B:50:PHE:HB3	10	0.14	0.02	0.15
(1,3166)	1:B:82:ASN:H	1:B:82:ASN:HB3	10	0.13	0.02	0.14

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,4780)	1:B:10:THR:HB	1:B:14:ILE:HD12	10	0.13	0.02	0.12
(1,4780)	1:B:10:THR:HB	1:B:14:ILE:HD11	10	0.13	0.02	0.12
(1,4780)	1:B:10:THR:HB	1:B:14:ILE:HD13	10	0.13	0.02	0.12
(1,4780)	1:B:14:ILE:HD12	1:A:88:ALA:HA	10	0.13	0.02	0.12
(1,4780)	1:B:14:ILE:HD11	1:A:88:ALA:HA	10	0.13	0.02	0.12
(1,4780)	1:B:14:ILE:HD13	1:A:88:ALA:HA	10	0.13	0.02	0.12
(1,3165)	1:A:82:ASN:H	1:A:82:ASN:HB3	10	0.13	0.01	0.14
(1,3513)	1:A:40:LEU:HB2	1:A:39:PHE:HB3	9	0.42	0.13	0.48
(1,3513)	1:A:40:LEU:HB2	1:A:42:PHE:HB2	9	0.42	0.13	0.48
(1,3513)	1:A:60:LEU:HB2	1:A:39:PHE:HB3	9	0.42	0.13	0.48
(1,3514)	1:B:40:LEU:HB2	1:B:39:PHE:HB3	9	0.42	0.13	0.48
(1,3514)	1:B:40:LEU:HB2	1:B:42:PHE:HB2	9	0.42	0.13	0.48
(1,3514)	1:B:60:LEU:HB2	1:B:39:PHE:HB3	9	0.42	0.13	0.48
(1,4058)	1:B:18:ILE:HG22	1:A:91:CYS:HB2	9	0.29	0.14	0.26
(1,4058)	1:B:18:ILE:HG22	1:A:91:CYS:HB3	9	0.29	0.14	0.26
(1,4058)	1:B:18:ILE:HG21	1:A:91:CYS:HB2	9	0.29	0.14	0.26
(1,4058)	1:B:18:ILE:HG21	1:A:91:CYS:HB3	9	0.29	0.14	0.26
(1,4058)	1:B:18:ILE:HG23	1:A:91:CYS:HB2	9	0.29	0.14	0.26
(1,4058)	1:B:18:ILE:HG23	1:A:91:CYS:HB3	9	0.29	0.14	0.26
(1,4058)	1:B:21:PHE:HB2	1:B:18:ILE:HG22	9	0.29	0.14	0.26
(1,4058)	1:B:21:PHE:HB2	1:B:18:ILE:HG21	9	0.29	0.14	0.26
(1,4058)	1:B:21:PHE:HB2	1:B:18:ILE:HG23	9	0.29	0.14	0.26
(1,4057)	1:A:18:ILE:HG22	1:B:91:CYS:HB2	9	0.29	0.15	0.25
(1,4057)	1:A:18:ILE:HG22	1:B:91:CYS:HB3	9	0.29	0.15	0.25
(1,4057)	1:A:18:ILE:HG21	1:B:91:CYS:HB2	9	0.29	0.15	0.25
(1,4057)	1:A:18:ILE:HG21	1:B:91:CYS:HB3	9	0.29	0.15	0.25
(1,4057)	1:A:18:ILE:HG23	1:B:91:CYS:HB2	9	0.29	0.15	0.25
(1,4057)	1:A:18:ILE:HG23	1:B:91:CYS:HB3	9	0.29	0.15	0.25
(1,4057)	1:A:21:PHE:HB2	1:A:18:ILE:HG22	9	0.29	0.15	0.25
(1,4057)	1:A:21:PHE:HB2	1:A:18:ILE:HG21	9	0.29	0.15	0.25
(1,4057)	1:A:21:PHE:HB2	1:A:18:ILE:HG23	9	0.29	0.15	0.25
(1,4149)	1:A:17:LEU:HG	1:A:13:CYS:HB2	9	0.21	0.09	0.16
(1,4149)	1:A:13:CYS:HB2	1:B:17:LEU:HG	9	0.21	0.09	0.16
(1,4243)	1:A:87:LEU:HB2	1:A:91:CYS:HA	9	0.19	0.05	0.19
(1,4243)	1:A:91:CYS:HA	1:A:97:LYS:HB2	9	0.19	0.05	0.19
(1,4243)	1:A:91:CYS:HA	1:A:97:LYS:HB3	9	0.19	0.05	0.19
(1,4243)	1:A:91:CYS:HA	1:A:97:LYS:HD2	9	0.19	0.05	0.19
(1,4243)	1:A:91:CYS:HA	1:A:97:LYS:HD3	9	0.19	0.05	0.19
(1,4243)	1:A:91:CYS:HA	1:B:18:ILE:HB	9	0.19	0.05	0.19
(1,4244)	1:B:87:LEU:HB2	1:B:91:CYS:HA	9	0.19	0.04	0.19
(1,4244)	1:B:91:CYS:HA	1:B:97:LYS:HB2	9	0.19	0.04	0.19
(1,4244)	1:B:91:CYS:HA	1:B:97:LYS:HB3	9	0.19	0.04	0.19

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,4244)	1:B:91:CYS:HA	1:B:97:LYS:HD2	9	0.19	0.04	0.19
(1,4244)	1:B:91:CYS:HA	1:B:97:LYS:HD3	9	0.19	0.04	0.19
(1,4244)	1:B:91:CYS:HA	1:A:18:ILE:HB	9	0.19	0.04	0.19
(2,92)	1:B:44:ASN:HB3	1:B:47:LEU:H	9	0.19	0.05	0.18
(2,91)	1:A:44:ASN:HB3	1:A:47:LEU:H	9	0.19	0.05	0.18
(1,4262)	1:B:59:VAL:HA	1:B:61:ASP:HB2	9	0.17	0.03	0.15
(1,4262)	1:B:63:MET:HG2	1:B:59:VAL:HA	9	0.17	0.03	0.15
(1,381)	1:A:11:GLU:HG2	1:A:10:THR:H	9	0.16	0.11	0.12
(1,3424)	1:B:60:LEU:HB2	1:B:37:THR:HA	9	0.16	0.04	0.15
(1,3424)	1:B:60:LEU:HB2	1:B:52:LYS:HA	9	0.16	0.04	0.15
(1,3424)	1:B:60:LEU:HB2	1:B:62:ARG:HA	9	0.16	0.04	0.15
(1,3424)	1:B:60:LEU:HB2	1:B:63:MET:HA	9	0.16	0.04	0.15
(1,3423)	1:A:60:LEU:HB2	1:A:37:THR:HA	9	0.15	0.04	0.15
(1,3423)	1:A:60:LEU:HB2	1:A:52:LYS:HA	9	0.15	0.04	0.15
(1,3423)	1:A:60:LEU:HB2	1:A:62:ARG:HA	9	0.15	0.04	0.15
(1,3423)	1:A:60:LEU:HB2	1:A:63:MET:HA	9	0.15	0.04	0.15
(1,4651)	1:A:37:THR:HG21	1:A:41:SER:H	9	0.15	0.03	0.16
(1,4651)	1:A:37:THR:HG22	1:A:41:SER:H	9	0.15	0.03	0.16
(1,4651)	1:A:37:THR:HG23	1:A:41:SER:H	9	0.15	0.03	0.16
(1,4651)	1:A:71:SER:H	1:A:69:THR:HG21	9	0.15	0.03	0.16
(1,4651)	1:A:71:SER:H	1:A:69:THR:HG22	9	0.15	0.03	0.16
(1,4651)	1:A:71:SER:H	1:A:69:THR:HG23	9	0.15	0.03	0.16
(1,2553)	1:A:38:GLU:H	1:A:40:LEU:HD22	9	0.13	0.02	0.13
(1,2553)	1:A:38:GLU:H	1:A:40:LEU:HD21	9	0.13	0.02	0.13
(1,2553)	1:A:38:GLU:H	1:A:40:LEU:HD23	9	0.13	0.02	0.13
(1,2554)	1:B:38:GLU:H	1:B:40:LEU:HD22	9	0.13	0.02	0.13
(1,2554)	1:B:38:GLU:H	1:B:40:LEU:HD21	9	0.13	0.02	0.13
(1,2554)	1:B:38:GLU:H	1:B:40:LEU:HD23	9	0.13	0.02	0.13
(1,4225)	1:A:63:MET:HA	1:A:64:MET:HA	9	0.13	0.01	0.12
(1,4225)	1:A:65:LYS:HA	1:A:64:MET:HA	9	0.13	0.01	0.12
(1,4225)	1:A:65:LYS:HA	1:A:73:GLY:HA3	9	0.13	0.01	0.12
(1,4225)	1:A:71:SER:HA	1:A:73:GLY:HA3	9	0.13	0.01	0.12
(1,4226)	1:B:63:MET:HA	1:B:64:MET:HA	9	0.13	0.01	0.12
(1,4226)	1:B:65:LYS:HA	1:B:64:MET:HA	9	0.13	0.01	0.12
(1,4226)	1:B:65:LYS:HA	1:B:73:GLY:HA3	9	0.13	0.01	0.12
(1,4226)	1:B:71:SER:HA	1:B:73:GLY:HA3	9	0.13	0.01	0.12
(1,3850)	1:B:34:LEU:HB2	1:B:39:PHE:HB2	8	0.36	0.14	0.34
(1,3850)	1:B:39:PHE:HB2	1:B:36:LYS:HB2	8	0.36	0.14	0.34
(1,3850)	1:B:39:PHE:HB2	1:B:36:LYS:HB3	8	0.36	0.14	0.34
(1,3850)	1:B:39:PHE:HB2	1:B:40:LEU:HG	8	0.36	0.14	0.34
(1,3850)	1:B:39:PHE:HB2	1:B:64:MET:HB2	8	0.36	0.14	0.34
(1,3849)	1:A:34:LEU:HB2	1:A:39:PHE:HB2	8	0.36	0.14	0.34

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,3849)	1:A:39:PHE:HB2	1:A:36:LYS:HB2	8	0.36	0.14	0.34
(1,3849)	1:A:39:PHE:HB2	1:A:36:LYS:HB3	8	0.36	0.14	0.34
(1,3849)	1:A:39:PHE:HB2	1:A:40:LEU:HG	8	0.36	0.14	0.34
(1,3849)	1:A:39:PHE:HB2	1:A:64:MET:HB2	8	0.36	0.14	0.34
(1,145)	1:A:78:SER:HB2	1:A:81:LEU:HB3	8	0.36	0.14	0.36
(1,145)	1:A:78:SER:HB3	1:A:81:LEU:HB3	8	0.36	0.14	0.36
(1,146)	1:B:78:SER:HB2	1:B:81:LEU:HB3	8	0.36	0.14	0.37
(1,146)	1:B:78:SER:HB3	1:B:81:LEU:HB3	8	0.36	0.14	0.37
(1,3506)	1:B:69:THR:HB	1:B:65:LYS:HE2	8	0.2	0.1	0.16
(1,3506)	1:B:69:THR:HB	1:B:65:LYS:HE3	8	0.2	0.1	0.16
(1,3506)	1:B:69:THR:HB	1:B:68:ASP:HB2	8	0.2	0.1	0.16
(1,3506)	1:B:69:THR:HB	1:B:82:ASN:HB2	8	0.2	0.1	0.16
(1,3505)	1:A:69:THR:HB	1:A:65:LYS:HE2	8	0.19	0.1	0.16
(1,3505)	1:A:69:THR:HB	1:A:65:LYS:HE3	8	0.19	0.1	0.16
(1,3505)	1:A:69:THR:HB	1:A:68:ASP:HB2	8	0.19	0.1	0.16
(1,3505)	1:A:69:THR:HB	1:A:82:ASN:HB2	8	0.19	0.1	0.16
(1,4515)	1:A:48:ALA:HA	1:A:50:PHE:HB2	8	0.16	0.03	0.16
(1,4515)	1:A:48:ALA:HA	1:A:50:PHE:HB3	8	0.16	0.03	0.16
(1,4515)	1:A:49:ALA:HA	1:A:50:PHE:HB2	8	0.16	0.03	0.16
(1,4515)	1:A:49:ALA:HA	1:A:50:PHE:HB3	8	0.16	0.03	0.16
(1,4515)	1:A:94:SER:HB2	1:A:95:PHE:HB2	8	0.16	0.03	0.16
(1,4515)	1:A:94:SER:HB2	1:A:95:PHE:HB3	8	0.16	0.03	0.16
(1,4515)	1:A:94:SER:HB3	1:A:95:PHE:HB2	8	0.16	0.03	0.16
(1,4515)	1:A:94:SER:HB3	1:A:95:PHE:HB3	8	0.16	0.03	0.16
(1,4516)	1:B:48:ALA:HA	1:B:50:PHE:HB2	8	0.16	0.02	0.16
(1,4516)	1:B:48:ALA:HA	1:B:50:PHE:HB3	8	0.16	0.02	0.16
(1,4516)	1:B:49:ALA:HA	1:B:50:PHE:HB2	8	0.16	0.02	0.16
(1,4516)	1:B:49:ALA:HA	1:B:50:PHE:HB3	8	0.16	0.02	0.16
(1,4516)	1:B:94:SER:HB2	1:B:95:PHE:HB2	8	0.16	0.02	0.16
(1,4516)	1:B:94:SER:HB2	1:B:95:PHE:HB3	8	0.16	0.02	0.16
(1,4516)	1:B:94:SER:HB3	1:B:95:PHE:HB2	8	0.16	0.02	0.16
(1,4516)	1:B:94:SER:HB3	1:B:95:PHE:HB3	8	0.16	0.02	0.16
(1,303)	1:A:22:GLN:HB2	1:A:18:ILE:H	8	0.16	0.03	0.16
(1,303)	1:A:22:GLN:HB3	1:A:18:ILE:H	8	0.16	0.03	0.16
(1,304)	1:B:22:GLN:HB2	1:B:18:ILE:H	8	0.16	0.03	0.16
(1,304)	1:B:22:GLN:HB3	1:B:18:ILE:H	8	0.16	0.03	0.16
(2,31)	1:A:38:GLU:HA	1:A:34:LEU:HA	8	0.15	0.03	0.16
(2,32)	1:B:38:GLU:HA	1:B:34:LEU:HA	8	0.15	0.03	0.15
(1,5495)	1:A:59:VAL:H	1:A:61:ASP:HB2	8	0.15	0.03	0.15
(1,5495)	1:A:59:VAL:H	1:A:61:ASP:HB3	8	0.15	0.03	0.15
(1,5495)	1:A:90:ALA:H	1:A:89:MET:HG2	8	0.15	0.03	0.15
(1,5495)	1:A:90:ALA:H	1:A:93:ASP:HB2	8	0.15	0.03	0.15

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,5496)	1:B:59:VAL:H	1:B:61:ASP:HB2	8	0.15	0.03	0.14
(1,5496)	1:B:59:VAL:H	1:B:61:ASP:HB3	8	0.15	0.03	0.14
(1,5496)	1:B:90:ALA:H	1:B:89:MET:HG2	8	0.15	0.03	0.14
(1,5496)	1:B:90:ALA:H	1:B:93:ASP:HB2	8	0.15	0.03	0.14
(2,28)	1:B:16:SER:HA	1:B:21:PHE:H	8	0.14	0.02	0.15
(1,4183)	1:A:13:CYS:HA	1:A:15:GLU:HB2	8	0.14	0.03	0.14
(1,4183)	1:A:13:CYS:HA	1:A:15:GLU:HB3	8	0.14	0.03	0.14
(1,4183)	1:A:13:CYS:HA	1:A:17:LEU:HG	8	0.14	0.03	0.14
(1,3661)	1:A:10:THR:HA	1:B:81:LEU:HD22	8	0.14	0.03	0.12
(1,3661)	1:A:10:THR:HA	1:B:81:LEU:HD21	8	0.14	0.03	0.12
(1,3661)	1:A:10:THR:HA	1:B:81:LEU:HD23	8	0.14	0.03	0.12
(1,3661)	1:A:10:THR:HA	1:B:87:LEU:HD22	8	0.14	0.03	0.12
(1,3661)	1:A:10:THR:HA	1:B:87:LEU:HD21	8	0.14	0.03	0.12
(1,3661)	1:A:10:THR:HA	1:B:87:LEU:HD23	8	0.14	0.03	0.12
(1,4184)	1:B:13:CYS:HA	1:B:15:GLU:HB2	8	0.14	0.03	0.14
(1,4184)	1:B:13:CYS:HA	1:B:15:GLU:HB3	8	0.14	0.03	0.14
(1,4184)	1:B:13:CYS:HA	1:B:17:LEU:HG	8	0.14	0.03	0.14
(1,482)	1:B:8:THR:HA	1:B:10:THR:HG21	8	0.13	0.02	0.13
(1,482)	1:B:8:THR:HA	1:B:10:THR:HG22	8	0.13	0.02	0.13
(1,482)	1:B:8:THR:HA	1:B:10:THR:HG23	8	0.13	0.02	0.13
(1,4741)	1:A:40:LEU:HD12	1:A:36:LYS:HA	8	0.13	0.03	0.12
(1,4741)	1:A:40:LEU:HD11	1:A:36:LYS:HA	8	0.13	0.03	0.12
(1,4741)	1:A:40:LEU:HD13	1:A:36:LYS:HA	8	0.13	0.03	0.12
(1,4741)	1:A:60:LEU:HD12	1:A:39:PHE:HA	8	0.13	0.03	0.12
(1,4741)	1:A:60:LEU:HD11	1:A:39:PHE:HA	8	0.13	0.03	0.12
(1,4741)	1:A:60:LEU:HD13	1:A:39:PHE:HA	8	0.13	0.03	0.12
(1,4741)	1:A:44:ASN:HA	1:A:60:LEU:HD12	8	0.13	0.03	0.12
(1,4741)	1:A:44:ASN:HA	1:A:60:LEU:HD11	8	0.13	0.03	0.12
(1,4741)	1:A:44:ASN:HA	1:A:60:LEU:HD13	8	0.13	0.03	0.12
(1,4741)	1:A:60:LEU:HD12	1:A:60:LEU:HA	8	0.13	0.03	0.12
(1,4741)	1:A:60:LEU:HD11	1:A:60:LEU:HA	8	0.13	0.03	0.12
(1,4741)	1:A:60:LEU:HD13	1:A:60:LEU:HA	8	0.13	0.03	0.12
(1,4741)	1:A:83:LEU:HD12	1:A:60:LEU:HA	8	0.13	0.03	0.12
(1,4741)	1:A:83:LEU:HD11	1:A:60:LEU:HA	8	0.13	0.03	0.12
(1,4741)	1:A:83:LEU:HD13	1:A:60:LEU:HA	8	0.13	0.03	0.12
(1,4742)	1:B:40:LEU:HD12	1:B:36:LYS:HA	8	0.13	0.03	0.12
(1,4742)	1:B:40:LEU:HD11	1:B:36:LYS:HA	8	0.13	0.03	0.12
(1,4742)	1:B:40:LEU:HD13	1:B:36:LYS:HA	8	0.13	0.03	0.12
(1,4742)	1:B:60:LEU:HD12	1:B:39:PHE:HA	8	0.13	0.03	0.12
(1,4742)	1:B:60:LEU:HD11	1:B:39:PHE:HA	8	0.13	0.03	0.12
(1,4742)	1:B:60:LEU:HD13	1:B:39:PHE:HA	8	0.13	0.03	0.12
(1,4742)	1:B:44:ASN:HA	1:B:60:LEU:HD12	8	0.13	0.03	0.12

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,4742)	1:B:44:ASN:HA	1:B:60:LEU:HD11	8	0.13	0.03	0.12
(1,4742)	1:B:44:ASN:HA	1:B:60:LEU:HD13	8	0.13	0.03	0.12
(1,4742)	1:B:60:LEU:HD12	1:B:60:LEU:HA	8	0.13	0.03	0.12
(1,4742)	1:B:60:LEU:HD11	1:B:60:LEU:HA	8	0.13	0.03	0.12
(1,4742)	1:B:60:LEU:HD13	1:B:60:LEU:HA	8	0.13	0.03	0.12
(1,4742)	1:B:83:LEU:HD12	1:B:60:LEU:HA	8	0.13	0.03	0.12
(1,4742)	1:B:83:LEU:HD11	1:B:60:LEU:HA	8	0.13	0.03	0.12
(1,4742)	1:B:83:LEU:HD13	1:B:60:LEU:HA	8	0.13	0.03	0.12
(1,191)	1:A:67:LEU:HB2	1:A:63:MET:HB2	8	0.12	0.01	0.12
(1,5213)	1:A:77:PHE:H	1:A:34:LEU:HB3	8	0.12	0.02	0.11
(1,5213)	1:A:77:PHE:H	1:A:81:LEU:HB2	8	0.12	0.02	0.11
(1,5213)	1:A:77:PHE:H	1:B:88:ALA:HB2	8	0.12	0.02	0.11
(1,5213)	1:A:77:PHE:H	1:B:88:ALA:HB1	8	0.12	0.02	0.11
(1,5213)	1:A:77:PHE:H	1:B:88:ALA:HB3	8	0.12	0.02	0.11
(1,5213)	1:A:77:PHE:H	1:B:96:LEU:HB2	8	0.12	0.02	0.11
(1,3605)	1:A:77:PHE:HB3	1:B:88:ALA:HB2	7	0.61	0.34	0.69
(1,3605)	1:A:77:PHE:HB3	1:B:88:ALA:HB1	7	0.61	0.34	0.69
(1,3605)	1:A:77:PHE:HB3	1:B:88:ALA:HB3	7	0.61	0.34	0.69
(1,3605)	1:A:77:PHE:HB3	1:B:90:ALA:HB2	7	0.61	0.34	0.69
(1,3605)	1:A:77:PHE:HB3	1:B:90:ALA:HB1	7	0.61	0.34	0.69
(1,3605)	1:A:77:PHE:HB3	1:B:90:ALA:HB3	7	0.61	0.34	0.69
(1,3605)	1:A:77:PHE:HB3	1:A:17:LEU:HB3	7	0.61	0.34	0.69
(1,3606)	1:B:77:PHE:HB3	1:A:88:ALA:HB2	7	0.61	0.34	0.69
(1,3606)	1:B:77:PHE:HB3	1:A:88:ALA:HB1	7	0.61	0.34	0.69
(1,3606)	1:B:77:PHE:HB3	1:A:88:ALA:HB3	7	0.61	0.34	0.69
(1,3606)	1:B:77:PHE:HB3	1:A:90:ALA:HB2	7	0.61	0.34	0.69
(1,3606)	1:B:77:PHE:HB3	1:A:90:ALA:HB1	7	0.61	0.34	0.69
(1,3606)	1:B:77:PHE:HB3	1:A:90:ALA:HB3	7	0.61	0.34	0.69
(1,3606)	1:B:77:PHE:HB3	1:B:17:LEU:HB3	7	0.61	0.34	0.69
(1,3518)	1:B:51:THR:HB	1:B:44:ASN:HB2	7	0.35	0.14	0.32
(1,3518)	1:B:37:THR:HB	1:B:27:LYS:HE2	7	0.35	0.14	0.32
(1,3518)	1:B:37:THR:HB	1:B:27:LYS:HE3	7	0.35	0.14	0.32
(1,3517)	1:A:51:THR:HB	1:A:44:ASN:HB2	7	0.35	0.14	0.32
(1,3517)	1:A:37:THR:HB	1:A:27:LYS:HE2	7	0.35	0.14	0.32
(1,3517)	1:A:37:THR:HB	1:A:27:LYS:HE3	7	0.35	0.14	0.32
(1,4171)	1:A:24:TYR:HB2	1:A:27:LYS:HD2	7	0.24	0.09	0.21
(1,4171)	1:A:24:TYR:HB2	1:A:27:LYS:HD3	7	0.24	0.09	0.21
(1,4171)	1:A:44:ASN:HB2	1:A:43:MET:HB2	7	0.24	0.09	0.21
(1,4171)	1:A:44:ASN:HB2	1:A:43:MET:HB3	7	0.24	0.09	0.21
(1,4172)	1:B:24:TYR:HB2	1:B:27:LYS:HD2	7	0.24	0.09	0.21
(1,4172)	1:B:24:TYR:HB2	1:B:27:LYS:HD3	7	0.24	0.09	0.21
(1,4172)	1:B:44:ASN:HB2	1:B:43:MET:HB2	7	0.24	0.09	0.21

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,4172)	1:B:44:ASN:HB2	1:B:43:MET:HB3	7	0.24	0.09	0.21
(1,4973)	1:A:83:LEU:HD22	1:A:80:PHE:HA	7	0.19	0.05	0.2
(1,4973)	1:A:83:LEU:HD21	1:A:80:PHE:HA	7	0.19	0.05	0.2
(1,4973)	1:A:83:LEU:HD23	1:A:80:PHE:HA	7	0.19	0.05	0.2
(1,4973)	1:A:83:LEU:HA	1:A:83:LEU:HD22	7	0.19	0.05	0.2
(1,4973)	1:A:83:LEU:HA	1:A:83:LEU:HD21	7	0.19	0.05	0.2
(1,4973)	1:A:83:LEU:HA	1:A:83:LEU:HD23	7	0.19	0.05	0.2
(1,4973)	1:A:37:THR:HA	1:A:40:LEU:HD22	7	0.19	0.05	0.2
(1,4973)	1:A:37:THR:HA	1:A:40:LEU:HD21	7	0.19	0.05	0.2
(1,4973)	1:A:37:THR:HA	1:A:40:LEU:HD23	7	0.19	0.05	0.2
(1,4095)	1:A:17:LEU:HD12	1:A:11:GLU:HG2	7	0.17	0.12	0.12
(1,4095)	1:A:17:LEU:HD11	1:A:11:GLU:HG2	7	0.17	0.12	0.12
(1,4095)	1:A:17:LEU:HD13	1:A:11:GLU:HG2	7	0.17	0.12	0.12
(1,4095)	1:A:17:LEU:HD12	1:A:89:MET:HG3	7	0.17	0.12	0.12
(1,4095)	1:A:17:LEU:HD11	1:A:89:MET:HG3	7	0.17	0.12	0.12
(1,4095)	1:A:17:LEU:HD13	1:A:89:MET:HG3	7	0.17	0.12	0.12
(1,4095)	1:A:17:LEU:HD12	1:B:11:GLU:HG2	7	0.17	0.12	0.12
(1,4095)	1:A:17:LEU:HD11	1:B:11:GLU:HG2	7	0.17	0.12	0.12
(1,4095)	1:A:17:LEU:HD13	1:B:11:GLU:HG2	7	0.17	0.12	0.12
(1,4095)	1:A:17:LEU:HD12	1:B:89:MET:HG3	7	0.17	0.12	0.12
(1,4095)	1:A:17:LEU:HD11	1:B:89:MET:HG3	7	0.17	0.12	0.12
(1,4095)	1:A:17:LEU:HD13	1:B:89:MET:HG3	7	0.17	0.12	0.12
(1,4096)	1:B:17:LEU:HD12	1:B:11:GLU:HG2	7	0.17	0.12	0.12
(1,4096)	1:B:17:LEU:HD11	1:B:11:GLU:HG2	7	0.17	0.12	0.12
(1,4096)	1:B:17:LEU:HD13	1:B:11:GLU:HG2	7	0.17	0.12	0.12
(1,4096)	1:B:17:LEU:HD12	1:B:89:MET:HG3	7	0.17	0.12	0.12
(1,4096)	1:B:17:LEU:HD11	1:B:89:MET:HG3	7	0.17	0.12	0.12
(1,4096)	1:B:17:LEU:HD13	1:B:89:MET:HG3	7	0.17	0.12	0.12
(1,4096)	1:B:17:LEU:HD12	1:A:11:GLU:HG2	7	0.17	0.12	0.12
(1,4096)	1:B:17:LEU:HD11	1:A:11:GLU:HG2	7	0.17	0.12	0.12
(1,4096)	1:B:17:LEU:HD13	1:A:11:GLU:HG2	7	0.17	0.12	0.12
(1,4096)	1:B:17:LEU:HD12	1:A:89:MET:HG3	7	0.17	0.12	0.12
(1,4096)	1:B:17:LEU:HD11	1:A:89:MET:HG3	7	0.17	0.12	0.12
(1,4096)	1:B:17:LEU:HD13	1:A:89:MET:HG3	7	0.17	0.12	0.12
(2,27)	1:A:16:SER:HA	1:A:21:PHE:H	7	0.15	0.02	0.15
(1,4935)	1:A:67:LEU:HD12	1:A:33:THR:HG21	7	0.15	0.03	0.15
(1,4935)	1:A:67:LEU:HD12	1:A:33:THR:HG22	7	0.15	0.03	0.15
(1,4935)	1:A:67:LEU:HD12	1:A:33:THR:HG23	7	0.15	0.03	0.15
(1,4935)	1:A:67:LEU:HD11	1:A:33:THR:HG21	7	0.15	0.03	0.15
(1,4935)	1:A:67:LEU:HD11	1:A:33:THR:HG22	7	0.15	0.03	0.15
(1,4935)	1:A:67:LEU:HD11	1:A:33:THR:HG23	7	0.15	0.03	0.15
(1,4935)	1:A:67:LEU:HD13	1:A:33:THR:HG21	7	0.15	0.03	0.15

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,4935)	1:A:67:LEU:HD13	1:A:33:THR:HG22	7	0.15	0.03	0.15
(1,4935)	1:A:67:LEU:HD13	1:A:33:THR:HG23	7	0.15	0.03	0.15
(1,4935)	1:A:67:LEU:HD12	1:A:47:LEU:HG	7	0.15	0.03	0.15
(1,4935)	1:A:67:LEU:HD11	1:A:47:LEU:HG	7	0.15	0.03	0.15
(1,4935)	1:A:67:LEU:HD13	1:A:47:LEU:HG	7	0.15	0.03	0.15
(1,4935)	1:A:67:LEU:HD12	1:A:59:VAL:HG12	7	0.15	0.03	0.15
(1,4935)	1:A:67:LEU:HD12	1:A:59:VAL:HG11	7	0.15	0.03	0.15
(1,4935)	1:A:67:LEU:HD12	1:A:59:VAL:HG13	7	0.15	0.03	0.15
(1,4935)	1:A:67:LEU:HD11	1:A:59:VAL:HG12	7	0.15	0.03	0.15
(1,4935)	1:A:67:LEU:HD11	1:A:59:VAL:HG11	7	0.15	0.03	0.15
(1,4935)	1:A:67:LEU:HD11	1:A:59:VAL:HG13	7	0.15	0.03	0.15
(1,4935)	1:A:67:LEU:HD13	1:A:59:VAL:HG12	7	0.15	0.03	0.15
(1,4935)	1:A:67:LEU:HD13	1:A:59:VAL:HG11	7	0.15	0.03	0.15
(1,4935)	1:A:67:LEU:HD13	1:A:59:VAL:HG13	7	0.15	0.03	0.15
(1,4936)	1:B:67:LEU:HD12	1:B:33:THR:HG21	7	0.15	0.03	0.15
(1,4936)	1:B:67:LEU:HD12	1:B:33:THR:HG22	7	0.15	0.03	0.15
(1,4936)	1:B:67:LEU:HD12	1:B:33:THR:HG23	7	0.15	0.03	0.15
(1,4936)	1:B:67:LEU:HD11	1:B:33:THR:HG21	7	0.15	0.03	0.15
(1,4936)	1:B:67:LEU:HD11	1:B:33:THR:HG22	7	0.15	0.03	0.15
(1,4936)	1:B:67:LEU:HD11	1:B:33:THR:HG23	7	0.15	0.03	0.15
(1,4936)	1:B:67:LEU:HD13	1:B:33:THR:HG21	7	0.15	0.03	0.15
(1,4936)	1:B:67:LEU:HD13	1:B:33:THR:HG22	7	0.15	0.03	0.15
(1,4936)	1:B:67:LEU:HD13	1:B:33:THR:HG23	7	0.15	0.03	0.15
(1,4936)	1:B:67:LEU:HD12	1:B:47:LEU:HG	7	0.15	0.03	0.15
(1,4936)	1:B:67:LEU:HD11	1:B:47:LEU:HG	7	0.15	0.03	0.15
(1,4936)	1:B:67:LEU:HD13	1:B:47:LEU:HG	7	0.15	0.03	0.15
(1,4936)	1:B:67:LEU:HD12	1:B:59:VAL:HG12	7	0.15	0.03	0.15
(1,4936)	1:B:67:LEU:HD12	1:B:59:VAL:HG11	7	0.15	0.03	0.15
(1,4936)	1:B:67:LEU:HD12	1:B:59:VAL:HG13	7	0.15	0.03	0.15
(1,4936)	1:B:67:LEU:HD11	1:B:59:VAL:HG12	7	0.15	0.03	0.15
(1,4936)	1:B:67:LEU:HD11	1:B:59:VAL:HG11	7	0.15	0.03	0.15
(1,4936)	1:B:67:LEU:HD11	1:B:59:VAL:HG13	7	0.15	0.03	0.15
(1,4936)	1:B:67:LEU:HD13	1:B:59:VAL:HG12	7	0.15	0.03	0.15
(1,4936)	1:B:67:LEU:HD13	1:B:59:VAL:HG11	7	0.15	0.03	0.15
(1,4936)	1:B:67:LEU:HD13	1:B:59:VAL:HG13	7	0.15	0.03	0.15
(1,3662)	1:B:10:THR:HA	1:A:81:LEU:HD22	7	0.14	0.04	0.12
(1,3662)	1:B:10:THR:HA	1:A:81:LEU:HD21	7	0.14	0.04	0.12
(1,3662)	1:B:10:THR:HA	1:A:81:LEU:HD23	7	0.14	0.04	0.12
(1,3662)	1:B:10:THR:HA	1:A:87:LEU:HD22	7	0.14	0.04	0.12
(1,3662)	1:B:10:THR:HA	1:A:87:LEU:HD21	7	0.14	0.04	0.12
(1,3662)	1:B:10:THR:HA	1:A:87:LEU:HD23	7	0.14	0.04	0.12
(1,481)	1:A:8:THR:HA	1:A:10:THR:HG21	7	0.14	0.02	0.13

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,481)	1:A:8:THR:HA	1:A:10:THR:HG22	7	0.14	0.02	0.13
(1,481)	1:A:8:THR:HA	1:A:10:THR:HG23	7	0.14	0.02	0.13
(1,627)	1:A:89:MET:HG2	1:B:81:LEU:HG	7	0.13	0.02	0.13
(1,192)	1:B:67:LEU:HB2	1:B:63:MET:HB2	7	0.13	0.01	0.12
(1,4461)	1:A:100:PRO:HD3	1:A:99:VAL:HG22	7	0.12	0.01	0.12
(1,4461)	1:A:100:PRO:HD3	1:A:99:VAL:HG21	7	0.12	0.01	0.12
(1,4461)	1:A:100:PRO:HD3	1:A:99:VAL:HG23	7	0.12	0.01	0.12
(1,4461)	1:A:99:VAL:HG12	1:A:100:PRO:HD3	7	0.12	0.01	0.12
(1,4461)	1:A:99:VAL:HG11	1:A:100:PRO:HD3	7	0.12	0.01	0.12
(1,4461)	1:A:99:VAL:HG13	1:A:100:PRO:HD3	7	0.12	0.01	0.12
(1,4385)	1:A:95:PHE:H	1:A:98:ALA:HA	7	0.12	0.02	0.11
(1,4385)	1:A:96:LEU:H	1:A:98:ALA:HA	7	0.12	0.02	0.11
(1,251)	1:A:76:ASP:HB2	1:A:77:PHE:HB2	6	0.74	0.53	0.48
(1,252)	1:B:76:ASP:HB2	1:B:77:PHE:HB2	6	0.74	0.53	0.48
(1,4974)	1:B:83:LEU:HD22	1:B:80:PHE:HA	6	0.2	0.04	0.2
(1,4974)	1:B:83:LEU:HD21	1:B:80:PHE:HA	6	0.2	0.04	0.2
(1,4974)	1:B:83:LEU:HD23	1:B:80:PHE:HA	6	0.2	0.04	0.2
(1,4974)	1:B:83:LEU:HA	1:B:83:LEU:HD22	6	0.2	0.04	0.2
(1,4974)	1:B:83:LEU:HA	1:B:83:LEU:HD21	6	0.2	0.04	0.2
(1,4974)	1:B:83:LEU:HA	1:B:83:LEU:HD23	6	0.2	0.04	0.2
(1,4974)	1:B:37:THR:HA	1:B:40:LEU:HD22	6	0.2	0.04	0.2
(1,4974)	1:B:37:THR:HA	1:B:40:LEU:HD21	6	0.2	0.04	0.2
(1,4974)	1:B:37:THR:HA	1:B:40:LEU:HD23	6	0.2	0.04	0.2
(1,5351)	1:A:41:SER:H	1:A:39:PHE:HB3	6	0.16	0.05	0.16
(1,5351)	1:A:41:SER:H	1:A:42:PHE:HB2	6	0.16	0.05	0.16
(1,4200)	1:B:42:PHE:HA	1:B:39:PHE:HA	6	0.16	0.04	0.16
(1,4200)	1:B:42:PHE:HA	1:B:45:THR:HA	6	0.16	0.04	0.16
(1,4200)	1:B:45:THR:HB	1:B:42:PHE:HA	6	0.16	0.04	0.16
(1,4199)	1:A:42:PHE:HA	1:A:39:PHE:HA	6	0.15	0.04	0.16
(1,4199)	1:A:42:PHE:HA	1:A:45:THR:HA	6	0.15	0.04	0.16
(1,4199)	1:A:45:THR:HB	1:A:42:PHE:HA	6	0.15	0.04	0.16
(1,3390)	1:B:17:LEU:HD22	1:A:14:ILE:HD12	6	0.15	0.04	0.15
(1,3390)	1:B:17:LEU:HD22	1:A:14:ILE:HD11	6	0.15	0.04	0.15
(1,3390)	1:B:17:LEU:HD22	1:A:14:ILE:HD13	6	0.15	0.04	0.15
(1,3390)	1:B:17:LEU:HD21	1:A:14:ILE:HD12	6	0.15	0.04	0.15
(1,3390)	1:B:17:LEU:HD21	1:A:14:ILE:HD11	6	0.15	0.04	0.15
(1,3390)	1:B:17:LEU:HD21	1:A:14:ILE:HD13	6	0.15	0.04	0.15
(1,3390)	1:B:17:LEU:HD23	1:A:14:ILE:HD12	6	0.15	0.04	0.15
(1,3390)	1:B:17:LEU:HD23	1:A:14:ILE:HD11	6	0.15	0.04	0.15
(1,3390)	1:B:17:LEU:HD23	1:A:14:ILE:HD13	6	0.15	0.04	0.15
(1,3390)	1:B:17:LEU:HD22	1:A:17:LEU:HD12	6	0.15	0.04	0.15
(1,3390)	1:B:17:LEU:HD22	1:A:17:LEU:HD11	6	0.15	0.04	0.15

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,3390)	1:B:17:LEU:HD22	1:A:17:LEU:HD13	6	0.15	0.04	0.15
(1,3390)	1:B:17:LEU:HD21	1:A:17:LEU:HD12	6	0.15	0.04	0.15
(1,3390)	1:B:17:LEU:HD21	1:A:17:LEU:HD11	6	0.15	0.04	0.15
(1,3390)	1:B:17:LEU:HD21	1:A:17:LEU:HD13	6	0.15	0.04	0.15
(1,3390)	1:B:17:LEU:HD23	1:A:17:LEU:HD12	6	0.15	0.04	0.15
(1,3390)	1:B:17:LEU:HD23	1:A:17:LEU:HD11	6	0.15	0.04	0.15
(1,3390)	1:B:17:LEU:HD23	1:A:17:LEU:HD13	6	0.15	0.04	0.15
(1,3389)	1:A:17:LEU:HD22	1:B:14:ILE:HD12	6	0.15	0.04	0.14
(1,3389)	1:A:17:LEU:HD22	1:B:14:ILE:HD11	6	0.15	0.04	0.14
(1,3389)	1:A:17:LEU:HD22	1:B:14:ILE:HD13	6	0.15	0.04	0.14
(1,3389)	1:A:17:LEU:HD21	1:B:14:ILE:HD12	6	0.15	0.04	0.14
(1,3389)	1:A:17:LEU:HD21	1:B:14:ILE:HD11	6	0.15	0.04	0.14
(1,3389)	1:A:17:LEU:HD21	1:B:14:ILE:HD13	6	0.15	0.04	0.14
(1,3389)	1:A:17:LEU:HD23	1:B:14:ILE:HD12	6	0.15	0.04	0.14
(1,3389)	1:A:17:LEU:HD23	1:B:14:ILE:HD11	6	0.15	0.04	0.14
(1,3389)	1:A:17:LEU:HD23	1:B:14:ILE:HD13	6	0.15	0.04	0.14
(1,3389)	1:A:17:LEU:HD22	1:B:17:LEU:HD12	6	0.15	0.04	0.14
(1,3389)	1:A:17:LEU:HD22	1:B:17:LEU:HD11	6	0.15	0.04	0.14
(1,3389)	1:A:17:LEU:HD22	1:B:17:LEU:HD13	6	0.15	0.04	0.14
(1,3389)	1:A:17:LEU:HD21	1:B:17:LEU:HD12	6	0.15	0.04	0.14
(1,3389)	1:A:17:LEU:HD21	1:B:17:LEU:HD11	6	0.15	0.04	0.14
(1,3389)	1:A:17:LEU:HD21	1:B:17:LEU:HD13	6	0.15	0.04	0.14
(1,3389)	1:A:17:LEU:HD23	1:B:17:LEU:HD12	6	0.15	0.04	0.14
(1,3389)	1:A:17:LEU:HD23	1:B:17:LEU:HD11	6	0.15	0.04	0.14
(1,3389)	1:A:17:LEU:HD23	1:B:17:LEU:HD13	6	0.15	0.04	0.14
(1,4881)	1:A:37:THR:HG21	1:A:40:LEU:HB2	6	0.14	0.02	0.14
(1,4881)	1:A:37:THR:HG22	1:A:40:LEU:HB2	6	0.14	0.02	0.14
(1,4881)	1:A:37:THR:HG23	1:A:40:LEU:HB2	6	0.14	0.02	0.14
(1,4881)	1:A:37:THR:HG21	1:A:40:LEU:HG	6	0.14	0.02	0.14
(1,4881)	1:A:37:THR:HG22	1:A:40:LEU:HG	6	0.14	0.02	0.14
(1,4881)	1:A:37:THR:HG23	1:A:40:LEU:HG	6	0.14	0.02	0.14
(1,4882)	1:B:37:THR:HG21	1:B:40:LEU:HB2	6	0.14	0.02	0.14
(1,4882)	1:B:37:THR:HG22	1:B:40:LEU:HB2	6	0.14	0.02	0.14
(1,4882)	1:B:37:THR:HG23	1:B:40:LEU:HB2	6	0.14	0.02	0.14
(1,4882)	1:B:37:THR:HG21	1:B:40:LEU:HG	6	0.14	0.02	0.14
(1,4882)	1:B:37:THR:HG22	1:B:40:LEU:HG	6	0.14	0.02	0.14
(1,4882)	1:B:37:THR:HG23	1:B:40:LEU:HG	6	0.14	0.02	0.14
(1,674)	1:B:13:CYS:HB2	1:B:14:ILE:HG12	6	0.14	0.02	0.13
(1,674)	1:B:13:CYS:HB2	1:B:14:ILE:HG13	6	0.14	0.02	0.13
(1,5479)	1:A:86:GLY:H	1:A:67:LEU:HD22	6	0.14	0.02	0.14
(1,5479)	1:A:86:GLY:H	1:A:67:LEU:HD21	6	0.14	0.02	0.14
(1,5479)	1:A:86:GLY:H	1:A:67:LEU:HD23	6	0.14	0.02	0.14

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,5479)	1:A:86:GLY:H	1:A:67:LEU:HD12	6	0.14	0.02	0.14
(1,5479)	1:A:86:GLY:H	1:A:67:LEU:HD11	6	0.14	0.02	0.14
(1,5479)	1:A:86:GLY:H	1:A:67:LEU:HD13	6	0.14	0.02	0.14
(1,5479)	1:A:86:GLY:H	1:A:83:LEU:HD22	6	0.14	0.02	0.14
(1,5479)	1:A:86:GLY:H	1:A:83:LEU:HD21	6	0.14	0.02	0.14
(1,5479)	1:A:86:GLY:H	1:A:83:LEU:HD23	6	0.14	0.02	0.14
(1,5480)	1:B:86:GLY:H	1:B:67:LEU:HD22	6	0.14	0.02	0.14
(1,5480)	1:B:86:GLY:H	1:B:67:LEU:HD21	6	0.14	0.02	0.14
(1,5480)	1:B:86:GLY:H	1:B:67:LEU:HD23	6	0.14	0.02	0.14
(1,5480)	1:B:86:GLY:H	1:B:67:LEU:HD12	6	0.14	0.02	0.14
(1,5480)	1:B:86:GLY:H	1:B:67:LEU:HD11	6	0.14	0.02	0.14
(1,5480)	1:B:86:GLY:H	1:B:67:LEU:HD13	6	0.14	0.02	0.14
(1,5480)	1:B:86:GLY:H	1:B:83:LEU:HD22	6	0.14	0.02	0.14
(1,5480)	1:B:86:GLY:H	1:B:83:LEU:HD21	6	0.14	0.02	0.14
(1,5480)	1:B:86:GLY:H	1:B:83:LEU:HD23	6	0.14	0.02	0.14
(1,628)	1:B:89:MET:HG2	1:A:81:LEU:HG	6	0.14	0.02	0.13
(1,673)	1:A:13:CYS:HB2	1:A:14:ILE:HG12	6	0.14	0.02	0.13
(1,673)	1:A:13:CYS:HB2	1:A:14:ILE:HG13	6	0.14	0.02	0.13
(1,2655)	1:A:8:THR:H	1:A:11:GLU:HA	6	0.13	0.02	0.12
(1,2656)	1:B:8:THR:H	1:B:11:GLU:HA	6	0.13	0.02	0.12
(1,4462)	1:B:100:PRO:HD3	1:B:99:VAL:HG22	6	0.12	0.02	0.12
(1,4462)	1:B:100:PRO:HD3	1:B:99:VAL:HG21	6	0.12	0.02	0.12
(1,4462)	1:B:100:PRO:HD3	1:B:99:VAL:HG23	6	0.12	0.02	0.12
(1,4462)	1:B:99:VAL:HG12	1:B:100:PRO:HD3	6	0.12	0.02	0.12
(1,4462)	1:B:99:VAL:HG11	1:B:100:PRO:HD3	6	0.12	0.02	0.12
(1,4462)	1:B:99:VAL:HG13	1:B:100:PRO:HD3	6	0.12	0.02	0.12
(1,4386)	1:B:95:PHE:H	1:B:98:ALA:HA	6	0.12	0.02	0.12
(1,4386)	1:B:96:LEU:H	1:B:98:ALA:HA	6	0.12	0.02	0.12
(1,5214)	1:B:77:PHE:H	1:B:34:LEU:HB3	6	0.12	0.02	0.11
(1,5214)	1:B:77:PHE:H	1:B:81:LEU:HB2	6	0.12	0.02	0.11
(1,5214)	1:B:77:PHE:H	1:A:88:ALA:HB2	6	0.12	0.02	0.11
(1,5214)	1:B:77:PHE:H	1:A:88:ALA:HB1	6	0.12	0.02	0.11
(1,5214)	1:B:77:PHE:H	1:A:88:ALA:HB3	6	0.12	0.02	0.11
(1,5214)	1:B:77:PHE:H	1:A:96:LEU:HB2	6	0.12	0.02	0.11
(1,53)	1:A:83:LEU:HD22	1:B:14:ILE:HG12	6	0.12	0.01	0.12
(1,53)	1:A:83:LEU:HD22	1:B:14:ILE:HG13	6	0.12	0.01	0.12
(1,53)	1:A:83:LEU:HD21	1:B:14:ILE:HG12	6	0.12	0.01	0.12
(1,53)	1:A:83:LEU:HD21	1:B:14:ILE:HG13	6	0.12	0.01	0.12
(1,53)	1:A:83:LEU:HD23	1:B:14:ILE:HG12	6	0.12	0.01	0.12
(1,53)	1:A:83:LEU:HD23	1:B:14:ILE:HG13	6	0.12	0.01	0.12
(1,939)	1:A:35:SER:HA	1:A:34:LEU:HA	6	0.11	0.01	0.11
(1,607)	1:A:77:PHE:HB3	1:B:89:MET:HG3	5	1.77	0.07	1.79

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,608)	1:B:77:PHE:HB3	1:A:89:MET:HG3	5	1.76	0.08	1.79
(1,3755)	1:A:39:PHE:HB2	1:A:36:LYS:HD2	5	0.58	0.17	0.6
(1,3755)	1:A:39:PHE:HB2	1:A:36:LYS:HD3	5	0.58	0.17	0.6
(1,3755)	1:A:39:PHE:HB2	1:A:43:MET:HB2	5	0.58	0.17	0.6
(1,3755)	1:A:39:PHE:HB2	1:A:43:MET:HB3	5	0.58	0.17	0.6
(1,3755)	1:A:39:PHE:HB2	1:A:64:MET:HB3	5	0.58	0.17	0.6
(1,3756)	1:B:39:PHE:HB2	1:B:36:LYS:HD2	5	0.58	0.17	0.6
(1,3756)	1:B:39:PHE:HB2	1:B:36:LYS:HD3	5	0.58	0.17	0.6
(1,3756)	1:B:39:PHE:HB2	1:B:43:MET:HB2	5	0.58	0.17	0.6
(1,3756)	1:B:39:PHE:HB2	1:B:43:MET:HB3	5	0.58	0.17	0.6
(1,3756)	1:B:39:PHE:HB2	1:B:64:MET:HB3	5	0.58	0.17	0.6
(2,8)	1:B:89:MET:HG3	1:A:77:PHE:HB3	5	0.42	0.07	0.44
(2,7)	1:A:89:MET:HG3	1:B:77:PHE:HB3	5	0.41	0.08	0.44
(1,3637)	1:A:34:LEU:HB3	1:A:21:PHE:HB3	5	0.35	0.07	0.36
(1,3637)	1:A:34:LEU:HB3	1:A:24:TYR:HB3	5	0.35	0.07	0.36
(1,3637)	1:A:34:LEU:HB3	1:A:42:PHE:HB3	5	0.35	0.07	0.36
(1,3638)	1:B:34:LEU:HB3	1:B:21:PHE:HB3	5	0.35	0.07	0.36
(1,3638)	1:B:34:LEU:HB3	1:B:24:TYR:HB3	5	0.35	0.07	0.36
(1,3638)	1:B:34:LEU:HB3	1:B:42:PHE:HB3	5	0.35	0.07	0.36
(1,4094)	1:B:11:GLU:HB2	1:B:13:CYS:HB3	5	0.3	0.11	0.31
(1,4094)	1:B:11:GLU:HB3	1:B:13:CYS:HB3	5	0.3	0.11	0.31
(1,4094)	1:B:12:ARG:HB2	1:B:13:CYS:HB3	5	0.3	0.11	0.31
(1,4094)	1:B:12:ARG:HB3	1:B:13:CYS:HB3	5	0.3	0.11	0.31
(1,4094)	1:B:38:GLU:HB3	1:B:27:LYS:HE2	5	0.3	0.11	0.31
(1,4094)	1:B:38:GLU:HB3	1:B:27:LYS:HE3	5	0.3	0.11	0.31
(1,4094)	1:B:62:ARG:HB2	1:B:66:LYS:HE2	5	0.3	0.11	0.31
(1,4094)	1:B:62:ARG:HB2	1:B:66:LYS:HE3	5	0.3	0.11	0.31
(1,4093)	1:A:11:GLU:HB2	1:A:13:CYS:HB3	5	0.29	0.11	0.3
(1,4093)	1:A:11:GLU:HB3	1:A:13:CYS:HB3	5	0.29	0.11	0.3
(1,4093)	1:A:12:ARG:HB2	1:A:13:CYS:HB3	5	0.29	0.11	0.3
(1,4093)	1:A:12:ARG:HB3	1:A:13:CYS:HB3	5	0.29	0.11	0.3
(1,4093)	1:A:38:GLU:HB3	1:A:27:LYS:HE2	5	0.29	0.11	0.3
(1,4093)	1:A:38:GLU:HB3	1:A:27:LYS:HE3	5	0.29	0.11	0.3
(1,4093)	1:A:62:ARG:HB2	1:A:66:LYS:HE2	5	0.29	0.11	0.3
(1,4093)	1:A:62:ARG:HB2	1:A:66:LYS:HE3	5	0.29	0.11	0.3
(1,1637)	1:A:38:GLU:HA	1:A:27:LYS:HD2	5	0.28	0.1	0.32
(1,1637)	1:A:38:GLU:HA	1:A:27:LYS:HD3	5	0.28	0.1	0.32
(1,1638)	1:B:38:GLU:HA	1:B:27:LYS:HD2	5	0.28	0.1	0.32
(1,1638)	1:B:38:GLU:HA	1:B:27:LYS:HD3	5	0.28	0.1	0.32
(2,179)	1:A:13:CYS:H	1:A:11:GLU:HG2	5	0.19	0.14	0.12
(2,180)	1:B:13:CYS:H	1:B:11:GLU:HG2	5	0.19	0.15	0.12
(1,3703)	1:A:39:PHE:HB2	1:A:36:LYS:HG2	5	0.18	0.05	0.17

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,3703)	1:A:39:PHE:HB2	1:A:36:LYS:HG3	5	0.18	0.05	0.17
(1,3703)	1:A:39:PHE:HB2	1:A:60:LEU:HB3	5	0.18	0.05	0.17
(1,3703)	1:A:39:PHE:HB2	1:A:75:LEU:HB3	5	0.18	0.05	0.17
(1,3704)	1:B:39:PHE:HB2	1:B:36:LYS:HG2	5	0.18	0.05	0.17
(1,3704)	1:B:39:PHE:HB2	1:B:36:LYS:HG3	5	0.18	0.05	0.17
(1,3704)	1:B:39:PHE:HB2	1:B:60:LEU:HB3	5	0.18	0.05	0.17
(1,3704)	1:B:39:PHE:HB2	1:B:75:LEU:HB3	5	0.18	0.05	0.17
(1,2210)	1:B:97:LYS:HA	1:B:97:LYS:HG2	5	0.18	0.02	0.17
(1,2210)	1:B:97:LYS:HA	1:B:97:LYS:HG3	5	0.18	0.02	0.17
(1,2209)	1:A:97:LYS:HA	1:A:97:LYS:HG2	5	0.17	0.03	0.17
(1,2209)	1:A:97:LYS:HA	1:A:97:LYS:HG3	5	0.17	0.03	0.17
(1,2279)	1:A:12:ARG:HB2	1:A:12:ARG:HD2	5	0.15	0.01	0.14
(1,2279)	1:A:12:ARG:HB2	1:A:12:ARG:HD3	5	0.15	0.01	0.14
(1,2279)	1:A:12:ARG:HB3	1:A:12:ARG:HD2	5	0.15	0.01	0.14
(1,2279)	1:A:12:ARG:HB3	1:A:12:ARG:HD3	5	0.15	0.01	0.14
(1,2280)	1:B:12:ARG:HB2	1:B:12:ARG:HD2	5	0.15	0.01	0.14
(1,2280)	1:B:12:ARG:HB2	1:B:12:ARG:HD3	5	0.15	0.01	0.14
(1,2280)	1:B:12:ARG:HB3	1:B:12:ARG:HD2	5	0.15	0.01	0.14
(1,2280)	1:B:12:ARG:HB3	1:B:12:ARG:HD3	5	0.15	0.01	0.14
(1,4233)	1:A:68:ASP:HB2	1:A:65:LYS:HB2	5	0.14	0.01	0.14
(1,4233)	1:A:68:ASP:HB2	1:A:65:LYS:HB3	5	0.14	0.01	0.14
(1,4233)	1:A:68:ASP:HB2	1:A:65:LYS:HD2	5	0.14	0.01	0.14
(1,4233)	1:A:68:ASP:HB2	1:A:65:LYS:HD3	5	0.14	0.01	0.14
(1,4234)	1:B:68:ASP:HB2	1:B:65:LYS:HB2	5	0.14	0.01	0.14
(1,4234)	1:B:68:ASP:HB2	1:B:65:LYS:HB3	5	0.14	0.01	0.14
(1,4234)	1:B:68:ASP:HB2	1:B:65:LYS:HD2	5	0.14	0.01	0.14
(1,4234)	1:B:68:ASP:HB2	1:B:65:LYS:HD3	5	0.14	0.01	0.14
(1,4201)	1:A:42:PHE:HB3	1:A:20:VAL:HG22	5	0.14	0.01	0.13
(1,4201)	1:A:42:PHE:HB3	1:A:20:VAL:HG21	5	0.14	0.01	0.13
(1,4201)	1:A:42:PHE:HB3	1:A:20:VAL:HG23	5	0.14	0.01	0.13
(1,4201)	1:A:42:PHE:HB3	1:A:34:LEU:HG	5	0.14	0.01	0.13
(1,4201)	1:A:11:GLU:HG2	1:A:8:THR:HG21	5	0.14	0.01	0.13
(1,4201)	1:A:11:GLU:HG2	1:A:8:THR:HG22	5	0.14	0.01	0.13
(1,4201)	1:A:11:GLU:HG2	1:A:8:THR:HG23	5	0.14	0.01	0.13
(1,3696)	1:B:12:ARG:HD2	1:B:14:ILE:HG22	5	0.14	0.02	0.14
(1,3696)	1:B:12:ARG:HD2	1:B:14:ILE:HG21	5	0.14	0.02	0.14
(1,3696)	1:B:12:ARG:HD2	1:B:14:ILE:HG23	5	0.14	0.02	0.14
(1,3696)	1:B:12:ARG:HD3	1:B:14:ILE:HG22	5	0.14	0.02	0.14
(1,3696)	1:B:12:ARG:HD3	1:B:14:ILE:HG21	5	0.14	0.02	0.14
(1,3696)	1:B:12:ARG:HD3	1:B:14:ILE:HG23	5	0.14	0.02	0.14
(1,3696)	1:B:17:LEU:HD22	1:B:12:ARG:HD2	5	0.14	0.02	0.14
(1,3696)	1:B:17:LEU:HD22	1:B:12:ARG:HD3	5	0.14	0.02	0.14

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,3696)	1:B:17:LEU:HD21	1:B:12:ARG:HD2	5	0.14	0.02	0.14
(1,3696)	1:B:17:LEU:HD21	1:B:12:ARG:HD3	5	0.14	0.02	0.14
(1,3696)	1:B:17:LEU:HD23	1:B:12:ARG:HD2	5	0.14	0.02	0.14
(1,3696)	1:B:17:LEU:HD23	1:B:12:ARG:HD3	5	0.14	0.02	0.14
(1,3696)	1:B:12:ARG:HD2	1:A:17:LEU:HD22	5	0.14	0.02	0.14
(1,3696)	1:B:12:ARG:HD2	1:A:17:LEU:HD21	5	0.14	0.02	0.14
(1,3696)	1:B:12:ARG:HD2	1:A:17:LEU:HD23	5	0.14	0.02	0.14
(1,3696)	1:B:12:ARG:HD3	1:A:17:LEU:HD22	5	0.14	0.02	0.14
(1,3696)	1:B:12:ARG:HD3	1:A:17:LEU:HD21	5	0.14	0.02	0.14
(1,3696)	1:B:12:ARG:HD3	1:A:17:LEU:HD23	5	0.14	0.02	0.14
(1,3696)	1:B:62:ARG:HD2	1:B:60:LEU:HD22	5	0.14	0.02	0.14
(1,3696)	1:B:62:ARG:HD2	1:B:60:LEU:HD21	5	0.14	0.02	0.14
(1,3696)	1:B:62:ARG:HD2	1:B:60:LEU:HD23	5	0.14	0.02	0.14
(1,4202)	1:B:42:PHE:HB3	1:B:20:VAL:HG22	5	0.14	0.02	0.13
(1,4202)	1:B:42:PHE:HB3	1:B:20:VAL:HG21	5	0.14	0.02	0.13
(1,4202)	1:B:42:PHE:HB3	1:B:20:VAL:HG23	5	0.14	0.02	0.13
(1,4202)	1:B:42:PHE:HB3	1:B:34:LEU:HG	5	0.14	0.02	0.13
(1,4202)	1:B:11:GLU:HG2	1:B:8:THR:HG21	5	0.14	0.02	0.13
(1,4202)	1:B:11:GLU:HG2	1:B:8:THR:HG22	5	0.14	0.02	0.13
(1,4202)	1:B:11:GLU:HG2	1:B:8:THR:HG23	5	0.14	0.02	0.13
(1,3695)	1:A:12:ARG:HD2	1:A:14:ILE:HG22	5	0.14	0.01	0.13
(1,3695)	1:A:12:ARG:HD2	1:A:14:ILE:HG21	5	0.14	0.01	0.13
(1,3695)	1:A:12:ARG:HD2	1:A:14:ILE:HG23	5	0.14	0.01	0.13
(1,3695)	1:A:12:ARG:HD3	1:A:14:ILE:HG22	5	0.14	0.01	0.13
(1,3695)	1:A:12:ARG:HD3	1:A:14:ILE:HG21	5	0.14	0.01	0.13
(1,3695)	1:A:12:ARG:HD3	1:A:14:ILE:HG23	5	0.14	0.01	0.13
(1,3695)	1:A:17:LEU:HD22	1:A:12:ARG:HD2	5	0.14	0.01	0.13
(1,3695)	1:A:17:LEU:HD22	1:A:12:ARG:HD3	5	0.14	0.01	0.13
(1,3695)	1:A:17:LEU:HD21	1:A:12:ARG:HD2	5	0.14	0.01	0.13
(1,3695)	1:A:17:LEU:HD21	1:A:12:ARG:HD3	5	0.14	0.01	0.13
(1,3695)	1:A:17:LEU:HD23	1:A:12:ARG:HD2	5	0.14	0.01	0.13
(1,3695)	1:A:17:LEU:HD23	1:A:12:ARG:HD3	5	0.14	0.01	0.13
(1,3695)	1:A:12:ARG:HD2	1:B:17:LEU:HD22	5	0.14	0.01	0.13
(1,3695)	1:A:12:ARG:HD2	1:B:17:LEU:HD21	5	0.14	0.01	0.13
(1,3695)	1:A:12:ARG:HD2	1:B:17:LEU:HD23	5	0.14	0.01	0.13
(1,3695)	1:A:12:ARG:HD3	1:B:17:LEU:HD22	5	0.14	0.01	0.13
(1,3695)	1:A:12:ARG:HD3	1:B:17:LEU:HD21	5	0.14	0.01	0.13
(1,3695)	1:A:12:ARG:HD3	1:B:17:LEU:HD23	5	0.14	0.01	0.13
(1,3695)	1:A:62:ARG:HD2	1:A:60:LEU:HD22	5	0.14	0.01	0.13
(1,3695)	1:A:62:ARG:HD2	1:A:60:LEU:HD21	5	0.14	0.01	0.13
(1,3695)	1:A:62:ARG:HD2	1:A:60:LEU:HD23	5	0.14	0.01	0.13
(1,463)	1:A:68:ASP:HB2	1:A:33:THR:HG21	5	0.13	0.02	0.13

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,463)	1:A:68:ASP:HB2	1:A:33:THR:HG22	5	0.13	0.02	0.13
(1,463)	1:A:68:ASP:HB2	1:A:33:THR:HG23	5	0.13	0.02	0.13
(1,1923)	1:A:62:ARG:HG3	1:A:62:ARG:HA	5	0.13	0.02	0.13
(1,1924)	1:B:62:ARG:HG3	1:B:62:ARG:HA	5	0.13	0.02	0.13
(1,464)	1:B:68:ASP:HB2	1:B:33:THR:HG21	5	0.13	0.02	0.12
(1,464)	1:B:68:ASP:HB2	1:B:33:THR:HG22	5	0.13	0.02	0.12
(1,464)	1:B:68:ASP:HB2	1:B:33:THR:HG23	5	0.13	0.02	0.12
(1,3461)	1:A:84:ILE:HB	1:A:80:PHE:HB3	5	0.13	0.02	0.12
(1,3461)	1:A:84:ILE:HB	1:A:82:ASN:HB2	5	0.13	0.02	0.12
(1,3461)	1:A:84:ILE:HB	1:B:13:CYS:HB3	5	0.13	0.02	0.12
(1,3462)	1:B:84:ILE:HB	1:B:80:PHE:HB3	5	0.13	0.01	0.12
(1,3462)	1:B:84:ILE:HB	1:B:82:ASN:HB2	5	0.13	0.01	0.12
(1,3462)	1:B:84:ILE:HB	1:A:13:CYS:HB3	5	0.13	0.01	0.12
(1,940)	1:B:35:SER:HA	1:B:34:LEU:HA	5	0.11	0.01	0.11
(1,3448)	1:B:35:SER:HA	1:B:28:ASP:HB3	4	0.78	0.3	0.9
(1,3448)	1:B:35:SER:HA	1:B:76:ASP:HB3	4	0.78	0.3	0.9
(1,3447)	1:A:35:SER:HA	1:A:28:ASP:HB3	4	0.78	0.3	0.9
(1,3447)	1:A:35:SER:HA	1:A:76:ASP:HB3	4	0.78	0.3	0.9
(1,1821)	1:A:11:GLU:HG3	1:A:11:GLU:HA	4	0.24	0.03	0.24
(1,1822)	1:B:11:GLU:HG3	1:B:11:GLU:HA	4	0.24	0.03	0.24
(1,3529)	1:A:75:LEU:HB2	1:A:79:GLU:HA	4	0.24	0.12	0.22
(1,3529)	1:A:34:LEU:HB2	1:A:39:PHE:HA	4	0.24	0.12	0.22
(1,3530)	1:B:75:LEU:HB2	1:B:79:GLU:HA	4	0.24	0.13	0.22
(1,3530)	1:B:34:LEU:HB2	1:B:39:PHE:HA	4	0.24	0.13	0.22
(1,3017)	1:A:78:SER:H	1:A:77:PHE:HB3	4	0.22	0.02	0.22
(1,3018)	1:B:78:SER:H	1:B:77:PHE:HB3	4	0.22	0.03	0.22
(1,933)	1:A:97:LYS:HA	1:A:97:LYS:HE2	4	0.19	0.04	0.2
(1,933)	1:A:97:LYS:HA	1:A:97:LYS:HE3	4	0.19	0.04	0.2
(1,3415)	1:A:83:LEU:HG	1:A:66:LYS:HE2	4	0.19	0.13	0.12
(1,3415)	1:A:83:LEU:HG	1:A:66:LYS:HE3	4	0.19	0.13	0.12
(1,3415)	1:A:83:LEU:HG	1:A:80:PHE:HB3	4	0.19	0.13	0.12
(1,3415)	1:A:83:LEU:HG	1:A:82:ASN:HB2	4	0.19	0.13	0.12
(1,3416)	1:B:83:LEU:HG	1:B:66:LYS:HE2	4	0.19	0.13	0.12
(1,3416)	1:B:83:LEU:HG	1:B:66:LYS:HE3	4	0.19	0.13	0.12
(1,3416)	1:B:83:LEU:HG	1:B:80:PHE:HB3	4	0.19	0.13	0.12
(1,3416)	1:B:83:LEU:HG	1:B:82:ASN:HB2	4	0.19	0.13	0.12
(1,934)	1:B:97:LYS:HA	1:B:97:LYS:HE2	4	0.19	0.04	0.2
(1,934)	1:B:97:LYS:HA	1:B:97:LYS:HE3	4	0.19	0.04	0.2
(1,5352)	1:B:41:SER:H	1:B:39:PHE:HB3	4	0.19	0.04	0.18
(1,5352)	1:B:41:SER:H	1:B:42:PHE:HB2	4	0.19	0.04	0.18
(1,5019)	1:A:69:THR:HG21	1:A:69:THR:HA	4	0.17	0.02	0.16
(1,5019)	1:A:69:THR:HG22	1:A:69:THR:HA	4	0.17	0.02	0.16

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,5019)	1:A:69:THR:HG23	1:A:69:THR:HA	4	0.17	0.02	0.16
(1,5019)	1:A:20:VAL:HG12	1:A:16:SER:HB3	4	0.17	0.02	0.16
(1,5019)	1:A:20:VAL:HG11	1:A:16:SER:HB3	4	0.17	0.02	0.16
(1,5019)	1:A:20:VAL:HG13	1:A:16:SER:HB3	4	0.17	0.02	0.16
(1,5019)	1:A:20:VAL:HA	1:A:20:VAL:HG12	4	0.17	0.02	0.16
(1,5019)	1:A:20:VAL:HA	1:A:20:VAL:HG11	4	0.17	0.02	0.16
(1,5019)	1:A:20:VAL:HA	1:A:20:VAL:HG13	4	0.17	0.02	0.16
(1,5020)	1:B:69:THR:HG21	1:B:69:THR:HA	4	0.17	0.02	0.16
(1,5020)	1:B:69:THR:HG22	1:B:69:THR:HA	4	0.17	0.02	0.16
(1,5020)	1:B:69:THR:HG23	1:B:69:THR:HA	4	0.17	0.02	0.16
(1,5020)	1:B:20:VAL:HG12	1:B:16:SER:HB3	4	0.17	0.02	0.16
(1,5020)	1:B:20:VAL:HG11	1:B:16:SER:HB3	4	0.17	0.02	0.16
(1,5020)	1:B:20:VAL:HG13	1:B:16:SER:HB3	4	0.17	0.02	0.16
(1,5020)	1:B:20:VAL:HA	1:B:20:VAL:HG12	4	0.17	0.02	0.16
(1,5020)	1:B:20:VAL:HA	1:B:20:VAL:HG11	4	0.17	0.02	0.16
(1,5020)	1:B:20:VAL:HA	1:B:20:VAL:HG13	4	0.17	0.02	0.16
(1,4709)	1:A:9:GLU:HB2	1:A:12:ARG:HG2	4	0.17	0.05	0.16
(1,4709)	1:A:9:GLU:HB3	1:A:12:ARG:HG2	4	0.17	0.05	0.16
(1,4709)	1:A:15:GLU:HB2	1:A:18:ILE:HB	4	0.17	0.05	0.16
(1,4709)	1:A:15:GLU:HB3	1:A:18:ILE:HB	4	0.17	0.05	0.16
(1,3583)	1:A:77:PHE:HB2	1:A:79:GLU:H	4	0.16	0.01	0.16
(1,3583)	1:A:68:ASP:HB3	1:A:64:MET:H	4	0.16	0.01	0.16
(1,3584)	1:B:77:PHE:HB2	1:B:79:GLU:H	4	0.16	0.02	0.16
(1,3584)	1:B:68:ASP:HB3	1:B:64:MET:H	4	0.16	0.02	0.16
(1,3930)	1:B:74:GLN:HA	1:B:34:LEU:HB3	4	0.16	0.04	0.15
(1,3930)	1:B:74:GLN:HA	1:B:36:LYS:HG2	4	0.16	0.04	0.15
(1,3930)	1:B:74:GLN:HA	1:B:36:LYS:HG3	4	0.16	0.04	0.15
(1,3930)	1:B:74:GLN:HA	1:B:75:LEU:HB3	4	0.16	0.04	0.15
(1,3578)	1:B:37:THR:HB	1:B:28:ASP:HB3	4	0.16	0.02	0.15
(1,3578)	1:B:51:THR:HB	1:B:44:ASN:HB3	4	0.16	0.02	0.15
(1,3578)	1:B:51:THR:HB	1:B:53:ASN:HB3	4	0.16	0.02	0.15
(1,3929)	1:A:74:GLN:HA	1:A:34:LEU:HB3	4	0.16	0.04	0.15
(1,3929)	1:A:74:GLN:HA	1:A:36:LYS:HG2	4	0.16	0.04	0.15
(1,3929)	1:A:74:GLN:HA	1:A:36:LYS:HG3	4	0.16	0.04	0.15
(1,3929)	1:A:74:GLN:HA	1:A:75:LEU:HB3	4	0.16	0.04	0.15
(1,3577)	1:A:37:THR:HB	1:A:28:ASP:HB3	4	0.15	0.02	0.14
(1,3577)	1:A:51:THR:HB	1:A:44:ASN:HB3	4	0.15	0.02	0.14
(1,3577)	1:A:51:THR:HB	1:A:53:ASN:HB3	4	0.15	0.02	0.14
(1,3357)	1:A:88:ALA:HB2	1:B:14:ILE:HB	4	0.14	0.02	0.14
(1,3357)	1:A:88:ALA:HB1	1:B:14:ILE:HB	4	0.14	0.02	0.14
(1,3357)	1:A:88:ALA:HB3	1:B:14:ILE:HB	4	0.14	0.02	0.14
(1,3357)	1:A:88:ALA:HB2	1:B:77:PHE:HB3	4	0.14	0.02	0.14

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,3357)	1:A:88:ALA:HB1	1:B:77:PHE:HB3	4	0.14	0.02	0.14
(1,3357)	1:A:88:ALA:HB3	1:B:77:PHE:HB3	4	0.14	0.02	0.14
(1,5327)	1:A:99:VAL:H	1:A:96:LEU:HD22	4	0.14	0.02	0.13
(1,5327)	1:A:99:VAL:H	1:A:96:LEU:HD21	4	0.14	0.02	0.13
(1,5327)	1:A:99:VAL:H	1:A:96:LEU:HD23	4	0.14	0.02	0.13
(1,5327)	1:A:99:VAL:H	1:A:96:LEU:HD12	4	0.14	0.02	0.13
(1,5327)	1:A:99:VAL:H	1:A:96:LEU:HD11	4	0.14	0.02	0.13
(1,5327)	1:A:99:VAL:H	1:A:96:LEU:HD13	4	0.14	0.02	0.13
(1,5328)	1:B:99:VAL:H	1:B:96:LEU:HD22	4	0.14	0.02	0.14
(1,5328)	1:B:99:VAL:H	1:B:96:LEU:HD21	4	0.14	0.02	0.14
(1,5328)	1:B:99:VAL:H	1:B:96:LEU:HD23	4	0.14	0.02	0.14
(1,5328)	1:B:99:VAL:H	1:B:96:LEU:HD12	4	0.14	0.02	0.14
(1,5328)	1:B:99:VAL:H	1:B:96:LEU:HD11	4	0.14	0.02	0.14
(1,5328)	1:B:99:VAL:H	1:B:96:LEU:HD13	4	0.14	0.02	0.14
(1,4376)	1:B:74:GLN:H	1:B:33:THR:HG21	4	0.13	0.01	0.14
(1,4376)	1:B:74:GLN:H	1:B:33:THR:HG22	4	0.13	0.01	0.14
(1,4376)	1:B:74:GLN:H	1:B:33:THR:HG23	4	0.13	0.01	0.14
(1,4376)	1:B:59:VAL:HG12	1:B:62:ARG:H	4	0.13	0.01	0.14
(1,4376)	1:B:59:VAL:HG11	1:B:62:ARG:H	4	0.13	0.01	0.14
(1,4376)	1:B:59:VAL:HG13	1:B:62:ARG:H	4	0.13	0.01	0.14
(1,3807)	1:A:37:THR:HB	1:A:36:LYS:H	4	0.13	0.02	0.13
(1,3807)	1:A:37:THR:HB	1:A:39:PHE:H	4	0.13	0.02	0.13
(1,4375)	1:A:74:GLN:H	1:A:33:THR:HG21	4	0.13	0.01	0.14
(1,4375)	1:A:74:GLN:H	1:A:33:THR:HG22	4	0.13	0.01	0.14
(1,4375)	1:A:74:GLN:H	1:A:33:THR:HG23	4	0.13	0.01	0.14
(1,4375)	1:A:59:VAL:HG12	1:A:62:ARG:H	4	0.13	0.01	0.14
(1,4375)	1:A:59:VAL:HG11	1:A:62:ARG:H	4	0.13	0.01	0.14
(1,4375)	1:A:59:VAL:HG13	1:A:62:ARG:H	4	0.13	0.01	0.14
(1,4421)	1:A:20:VAL:HG12	1:B:13:CYS:HB3	4	0.13	0.01	0.12
(1,4421)	1:A:20:VAL:HG11	1:B:13:CYS:HB3	4	0.13	0.01	0.12
(1,4421)	1:A:20:VAL:HG13	1:B:13:CYS:HB3	4	0.13	0.01	0.12
(1,4421)	1:A:42:PHE:HA	1:A:45:THR:HG21	4	0.13	0.01	0.12
(1,4421)	1:A:42:PHE:HA	1:A:45:THR:HG22	4	0.13	0.01	0.12
(1,4421)	1:A:42:PHE:HA	1:A:45:THR:HG23	4	0.13	0.01	0.12
(1,4421)	1:A:45:THR:HG21	1:A:52:LYS:HE2	4	0.13	0.01	0.12
(1,4421)	1:A:45:THR:HG21	1:A:52:LYS:HE3	4	0.13	0.01	0.12
(1,4421)	1:A:45:THR:HG22	1:A:52:LYS:HE2	4	0.13	0.01	0.12
(1,4421)	1:A:45:THR:HG22	1:A:52:LYS:HE3	4	0.13	0.01	0.12
(1,4421)	1:A:45:THR:HG23	1:A:52:LYS:HE2	4	0.13	0.01	0.12
(1,4421)	1:A:45:THR:HG23	1:A:52:LYS:HE3	4	0.13	0.01	0.12
(1,4421)	1:A:69:THR:HG21	1:A:68:ASP:HB2	4	0.13	0.01	0.12
(1,4421)	1:A:69:THR:HG22	1:A:68:ASP:HB2	4	0.13	0.01	0.12

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,4421)	1:A:69:THR:HG23	1:A:68:ASP:HB2	4	0.13	0.01	0.12
(1,4421)	1:A:21:PHE:HB2	1:A:20:VAL:HG12	4	0.13	0.01	0.12
(1,4421)	1:A:21:PHE:HB2	1:A:20:VAL:HG11	4	0.13	0.01	0.12
(1,4421)	1:A:21:PHE:HB2	1:A:20:VAL:HG13	4	0.13	0.01	0.12
(1,4422)	1:B:20:VAL:HG12	1:A:13:CYS:HB3	4	0.13	0.01	0.12
(1,4422)	1:B:20:VAL:HG11	1:A:13:CYS:HB3	4	0.13	0.01	0.12
(1,4422)	1:B:20:VAL:HG13	1:A:13:CYS:HB3	4	0.13	0.01	0.12
(1,4422)	1:B:42:PHE:HA	1:B:45:THR:HG21	4	0.13	0.01	0.12
(1,4422)	1:B:42:PHE:HA	1:B:45:THR:HG22	4	0.13	0.01	0.12
(1,4422)	1:B:42:PHE:HA	1:B:45:THR:HG23	4	0.13	0.01	0.12
(1,4422)	1:B:45:THR:HG21	1:B:52:LYS:HE2	4	0.13	0.01	0.12
(1,4422)	1:B:45:THR:HG21	1:B:52:LYS:HE3	4	0.13	0.01	0.12
(1,4422)	1:B:45:THR:HG22	1:B:52:LYS:HE2	4	0.13	0.01	0.12
(1,4422)	1:B:45:THR:HG22	1:B:52:LYS:HE3	4	0.13	0.01	0.12
(1,4422)	1:B:45:THR:HG23	1:B:52:LYS:HE2	4	0.13	0.01	0.12
(1,4422)	1:B:45:THR:HG23	1:B:52:LYS:HE3	4	0.13	0.01	0.12
(1,4422)	1:B:69:THR:HG21	1:B:68:ASP:HB2	4	0.13	0.01	0.12
(1,4422)	1:B:69:THR:HG22	1:B:68:ASP:HB2	4	0.13	0.01	0.12
(1,4422)	1:B:69:THR:HG23	1:B:68:ASP:HB2	4	0.13	0.01	0.12
(1,4422)	1:B:21:PHE:HB2	1:B:20:VAL:HG12	4	0.13	0.01	0.12
(1,4422)	1:B:21:PHE:HB2	1:B:20:VAL:HG11	4	0.13	0.01	0.12
(1,4422)	1:B:21:PHE:HB2	1:B:20:VAL:HG13	4	0.13	0.01	0.12
(1,54)	1:B:83:LEU:HD22	1:A:14:ILE:HG12	4	0.13	0.01	0.13
(1,54)	1:B:83:LEU:HD22	1:A:14:ILE:HG13	4	0.13	0.01	0.13
(1,54)	1:B:83:LEU:HD21	1:A:14:ILE:HG12	4	0.13	0.01	0.13
(1,54)	1:B:83:LEU:HD21	1:A:14:ILE:HG13	4	0.13	0.01	0.13
(1,54)	1:B:83:LEU:HD23	1:A:14:ILE:HG12	4	0.13	0.01	0.13
(1,54)	1:B:83:LEU:HD23	1:A:14:ILE:HG13	4	0.13	0.01	0.13
(1,3101)	1:A:9:GLU:H	1:A:8:THR:HG21	4	0.12	0.01	0.12
(1,3101)	1:A:9:GLU:H	1:A:8:THR:HG22	4	0.12	0.01	0.12
(1,3101)	1:A:9:GLU:H	1:A:8:THR:HG23	4	0.12	0.01	0.12
(1,3102)	1:B:9:GLU:H	1:B:8:THR:HG21	4	0.12	0.01	0.12
(1,3102)	1:B:9:GLU:H	1:B:8:THR:HG22	4	0.12	0.01	0.12
(1,3102)	1:B:9:GLU:H	1:B:8:THR:HG23	4	0.12	0.01	0.12
(1,3613)	1:A:36:LYS:HG2	1:A:59:VAL:HG12	4	0.12	0.01	0.12
(1,3613)	1:A:36:LYS:HG2	1:A:59:VAL:HG11	4	0.12	0.01	0.12
(1,3613)	1:A:36:LYS:HG2	1:A:59:VAL:HG13	4	0.12	0.01	0.12
(1,3613)	1:A:36:LYS:HG3	1:A:59:VAL:HG12	4	0.12	0.01	0.12
(1,3613)	1:A:36:LYS:HG3	1:A:59:VAL:HG11	4	0.12	0.01	0.12
(1,3613)	1:A:36:LYS:HG3	1:A:59:VAL:HG13	4	0.12	0.01	0.12
(1,3613)	1:A:52:LYS:HG2	1:A:47:LEU:HG	4	0.12	0.01	0.12
(1,3613)	1:A:52:LYS:HG3	1:A:47:LEU:HG	4	0.12	0.01	0.12

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,3613)	1:A:52:LYS:HG2	1:A:59:VAL:HG12	4	0.12	0.01	0.12
(1,3613)	1:A:52:LYS:HG2	1:A:59:VAL:HG11	4	0.12	0.01	0.12
(1,3613)	1:A:52:LYS:HG2	1:A:59:VAL:HG13	4	0.12	0.01	0.12
(1,3613)	1:A:52:LYS:HG3	1:A:59:VAL:HG12	4	0.12	0.01	0.12
(1,3613)	1:A:52:LYS:HG3	1:A:59:VAL:HG11	4	0.12	0.01	0.12
(1,3613)	1:A:52:LYS:HG3	1:A:59:VAL:HG13	4	0.12	0.01	0.12
(1,3614)	1:B:36:LYS:HG2	1:B:59:VAL:HG12	4	0.12	0.01	0.12
(1,3614)	1:B:36:LYS:HG2	1:B:59:VAL:HG11	4	0.12	0.01	0.12
(1,3614)	1:B:36:LYS:HG2	1:B:59:VAL:HG13	4	0.12	0.01	0.12
(1,3614)	1:B:36:LYS:HG3	1:B:59:VAL:HG12	4	0.12	0.01	0.12
(1,3614)	1:B:36:LYS:HG3	1:B:59:VAL:HG11	4	0.12	0.01	0.12
(1,3614)	1:B:36:LYS:HG3	1:B:59:VAL:HG13	4	0.12	0.01	0.12
(1,3614)	1:B:52:LYS:HG2	1:B:47:LEU:HG	4	0.12	0.01	0.12
(1,3614)	1:B:52:LYS:HG3	1:B:47:LEU:HG	4	0.12	0.01	0.12
(1,3614)	1:B:52:LYS:HG2	1:B:59:VAL:HG12	4	0.12	0.01	0.12
(1,3614)	1:B:52:LYS:HG2	1:B:59:VAL:HG11	4	0.12	0.01	0.12
(1,3614)	1:B:52:LYS:HG2	1:B:59:VAL:HG13	4	0.12	0.01	0.12
(1,3614)	1:B:52:LYS:HG3	1:B:59:VAL:HG12	4	0.12	0.01	0.12
(1,3614)	1:B:52:LYS:HG3	1:B:59:VAL:HG11	4	0.12	0.01	0.12
(1,3614)	1:B:52:LYS:HG3	1:B:59:VAL:HG13	4	0.12	0.01	0.12
(1,5201)	1:A:40:LEU:H	1:A:63:MET:HB2	4	0.12	0.01	0.12
(1,5201)	1:A:40:LEU:H	1:A:64:MET:HG2	4	0.12	0.01	0.12
(1,5201)	1:A:40:LEU:H	1:A:64:MET:HG3	4	0.12	0.01	0.12
(1,5202)	1:B:40:LEU:H	1:B:63:MET:HB2	4	0.12	0.01	0.12
(1,5202)	1:B:40:LEU:H	1:B:64:MET:HG2	4	0.12	0.01	0.12
(1,5202)	1:B:40:LEU:H	1:B:64:MET:HG3	4	0.12	0.01	0.12
(1,4089)	1:A:40:LEU:HB3	1:A:44:ASN:H	4	0.12	0.01	0.11
(1,4089)	1:A:62:ARG:H	1:A:60:LEU:HB3	4	0.12	0.01	0.11
(1,4089)	1:A:60:LEU:HB3	1:A:64:MET:H	4	0.12	0.01	0.11
(1,4090)	1:B:40:LEU:HB3	1:B:44:ASN:H	4	0.12	0.01	0.11
(1,4090)	1:B:62:ARG:H	1:B:60:LEU:HB3	4	0.12	0.01	0.11
(1,4090)	1:B:60:LEU:HB3	1:B:64:MET:H	4	0.12	0.01	0.11
(1,1313)	1:A:59:VAL:HB	1:A:60:LEU:H	4	0.11	0.0	0.11
(1,714)	1:B:16:SER:HB3	1:B:17:LEU:HD22	3	0.81	0.14	0.72
(1,714)	1:B:16:SER:HB3	1:B:17:LEU:HD21	3	0.81	0.14	0.72
(1,714)	1:B:16:SER:HB3	1:B:17:LEU:HD23	3	0.81	0.14	0.72
(1,713)	1:A:16:SER:HB3	1:A:17:LEU:HD22	3	0.81	0.14	0.71
(1,713)	1:A:16:SER:HB3	1:A:17:LEU:HD21	3	0.81	0.14	0.71
(1,713)	1:A:16:SER:HB3	1:A:17:LEU:HD23	3	0.81	0.14	0.71
(1,2110)	1:B:33:THR:HG21	1:B:76:ASP:HB3	3	0.35	0.12	0.4
(1,2110)	1:B:33:THR:HG22	1:B:76:ASP:HB3	3	0.35	0.12	0.4
(1,2110)	1:B:33:THR:HG23	1:B:76:ASP:HB3	3	0.35	0.12	0.4

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,2109)	1:A:33:THR:HG21	1:A:76:ASP:HB3	3	0.34	0.11	0.38
(1,2109)	1:A:33:THR:HG22	1:A:76:ASP:HB3	3	0.34	0.11	0.38
(1,2109)	1:A:33:THR:HG23	1:A:76:ASP:HB3	3	0.34	0.11	0.38
(1,3701)	1:A:27:LYS:HD2	1:A:28:ASP:HB3	3	0.3	0.14	0.23
(1,3701)	1:A:27:LYS:HD3	1:A:28:ASP:HB3	3	0.3	0.14	0.23
(1,3701)	1:A:27:LYS:HD2	1:A:42:PHE:HB3	3	0.3	0.14	0.23
(1,3701)	1:A:27:LYS:HD3	1:A:42:PHE:HB3	3	0.3	0.14	0.23
(1,3701)	1:A:52:LYS:HD2	1:A:44:ASN:HB3	3	0.3	0.14	0.23
(1,3701)	1:A:52:LYS:HD3	1:A:44:ASN:HB3	3	0.3	0.14	0.23
(1,3701)	1:A:97:LYS:HD2	1:A:93:ASP:HB3	3	0.3	0.14	0.23
(1,3701)	1:A:97:LYS:HD3	1:A:93:ASP:HB3	3	0.3	0.14	0.23
(1,3702)	1:B:27:LYS:HD2	1:B:28:ASP:HB3	3	0.3	0.14	0.23
(1,3702)	1:B:27:LYS:HD3	1:B:28:ASP:HB3	3	0.3	0.14	0.23
(1,3702)	1:B:27:LYS:HD2	1:B:42:PHE:HB3	3	0.3	0.14	0.23
(1,3702)	1:B:27:LYS:HD3	1:B:42:PHE:HB3	3	0.3	0.14	0.23
(1,3702)	1:B:52:LYS:HD2	1:B:44:ASN:HB3	3	0.3	0.14	0.23
(1,3702)	1:B:52:LYS:HD3	1:B:44:ASN:HB3	3	0.3	0.14	0.23
(1,3702)	1:B:97:LYS:HD2	1:B:93:ASP:HB3	3	0.3	0.14	0.23
(1,3702)	1:B:97:LYS:HD3	1:B:93:ASP:HB3	3	0.3	0.14	0.23
(1,4845)	1:A:52:LYS:HE2	1:A:50:PHE:HB2	3	0.25	0.15	0.16
(1,4845)	1:A:52:LYS:HE2	1:A:50:PHE:HB3	3	0.25	0.15	0.16
(1,4845)	1:A:52:LYS:HE3	1:A:50:PHE:HB2	3	0.25	0.15	0.16
(1,4845)	1:A:52:LYS:HE3	1:A:50:PHE:HB3	3	0.25	0.15	0.16
(1,4845)	1:A:66:LYS:HE2	1:A:50:PHE:HB2	3	0.25	0.15	0.16
(1,4845)	1:A:66:LYS:HE2	1:A:50:PHE:HB3	3	0.25	0.15	0.16
(1,4845)	1:A:66:LYS:HE3	1:A:50:PHE:HB2	3	0.25	0.15	0.16
(1,4845)	1:A:66:LYS:HE3	1:A:50:PHE:HB3	3	0.25	0.15	0.16
(1,4845)	1:A:66:LYS:HE2	1:A:62:ARG:HD3	3	0.25	0.15	0.16
(1,4845)	1:A:66:LYS:HE3	1:A:62:ARG:HD3	3	0.25	0.15	0.16
(1,4845)	1:A:97:LYS:HE2	1:A:95:PHE:HB2	3	0.25	0.15	0.16
(1,4845)	1:A:97:LYS:HE2	1:A:95:PHE:HB3	3	0.25	0.15	0.16
(1,4845)	1:A:97:LYS:HE3	1:A:95:PHE:HB2	3	0.25	0.15	0.16
(1,4845)	1:A:97:LYS:HE3	1:A:95:PHE:HB3	3	0.25	0.15	0.16
(1,4846)	1:B:52:LYS:HE2	1:B:50:PHE:HB2	3	0.25	0.15	0.16
(1,4846)	1:B:52:LYS:HE2	1:B:50:PHE:HB3	3	0.25	0.15	0.16
(1,4846)	1:B:52:LYS:HE3	1:B:50:PHE:HB2	3	0.25	0.15	0.16
(1,4846)	1:B:52:LYS:HE3	1:B:50:PHE:HB3	3	0.25	0.15	0.16
(1,4846)	1:B:66:LYS:HE2	1:B:50:PHE:HB2	3	0.25	0.15	0.16
(1,4846)	1:B:66:LYS:HE2	1:B:50:PHE:HB3	3	0.25	0.15	0.16
(1,4846)	1:B:66:LYS:HE3	1:B:50:PHE:HB2	3	0.25	0.15	0.16
(1,4846)	1:B:66:LYS:HE3	1:B:50:PHE:HB3	3	0.25	0.15	0.16
(1,4846)	1:B:66:LYS:HE2	1:B:62:ARG:HD3	3	0.25	0.15	0.16

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,4846)	1:B:66:LYS:HE3	1:B:62:ARG:HD3	3	0.25	0.15	0.16
(1,4846)	1:B:97:LYS:HE2	1:B:95:PHE:HB2	3	0.25	0.15	0.16
(1,4846)	1:B:97:LYS:HE2	1:B:95:PHE:HB3	3	0.25	0.15	0.16
(1,4846)	1:B:97:LYS:HE3	1:B:95:PHE:HB2	3	0.25	0.15	0.16
(1,4846)	1:B:97:LYS:HE3	1:B:95:PHE:HB3	3	0.25	0.15	0.16
(1,3959)	1:A:99:VAL:HG12	1:A:100:PRO:HD2	3	0.22	0.13	0.13
(1,3959)	1:A:99:VAL:HG11	1:A:100:PRO:HD2	3	0.22	0.13	0.13
(1,3959)	1:A:99:VAL:HG13	1:A:100:PRO:HD2	3	0.22	0.13	0.13
(1,3959)	1:A:99:VAL:HG12	1:A:101:SER:HB2	3	0.22	0.13	0.13
(1,3959)	1:A:99:VAL:HG12	1:A:101:SER:HB3	3	0.22	0.13	0.13
(1,3959)	1:A:99:VAL:HG11	1:A:101:SER:HB2	3	0.22	0.13	0.13
(1,3959)	1:A:99:VAL:HG11	1:A:101:SER:HB3	3	0.22	0.13	0.13
(1,3959)	1:A:99:VAL:HG13	1:A:101:SER:HB2	3	0.22	0.13	0.13
(1,3959)	1:A:99:VAL:HG13	1:A:101:SER:HB3	3	0.22	0.13	0.13
(1,3960)	1:B:99:VAL:HG12	1:B:100:PRO:HD2	3	0.22	0.13	0.13
(1,3960)	1:B:99:VAL:HG11	1:B:100:PRO:HD2	3	0.22	0.13	0.13
(1,3960)	1:B:99:VAL:HG13	1:B:100:PRO:HD2	3	0.22	0.13	0.13
(1,3960)	1:B:99:VAL:HG12	1:B:101:SER:HB2	3	0.22	0.13	0.13
(1,3960)	1:B:99:VAL:HG12	1:B:101:SER:HB3	3	0.22	0.13	0.13
(1,3960)	1:B:99:VAL:HG11	1:B:101:SER:HB2	3	0.22	0.13	0.13
(1,3960)	1:B:99:VAL:HG11	1:B:101:SER:HB3	3	0.22	0.13	0.13
(1,3960)	1:B:99:VAL:HG13	1:B:101:SER:HB2	3	0.22	0.13	0.13
(1,3960)	1:B:99:VAL:HG13	1:B:101:SER:HB3	3	0.22	0.13	0.13
(1,1857)	1:A:57:PRO:HD2	1:A:57:PRO:HA	3	0.19	0.03	0.2
(1,1857)	1:A:57:PRO:HD3	1:A:57:PRO:HA	3	0.19	0.03	0.2
(1,1858)	1:B:57:PRO:HD2	1:B:57:PRO:HA	3	0.19	0.03	0.2
(1,1858)	1:B:57:PRO:HD3	1:B:57:PRO:HA	3	0.19	0.03	0.2
(1,4710)	1:B:9:GLU:HB2	1:B:12:ARG:HG2	3	0.19	0.04	0.16
(1,4710)	1:B:9:GLU:HB3	1:B:12:ARG:HG2	3	0.19	0.04	0.16
(1,4710)	1:B:15:GLU:HB2	1:B:18:ILE:HB	3	0.19	0.04	0.16
(1,4710)	1:B:15:GLU:HB3	1:B:18:ILE:HB	3	0.19	0.04	0.16
(1,2140)	1:B:27:LYS:HD2	1:B:27:LYS:HB3	3	0.18	0.03	0.18
(1,2140)	1:B:27:LYS:HD3	1:B:27:LYS:HB3	3	0.18	0.03	0.18
(1,2139)	1:A:27:LYS:HD2	1:A:27:LYS:HB3	3	0.18	0.03	0.17
(1,2139)	1:A:27:LYS:HD3	1:A:27:LYS:HB3	3	0.18	0.03	0.17
(1,3507)	1:A:46:GLU:HB3	1:A:45:THR:HA	3	0.17	0.05	0.16
(1,3507)	1:A:46:GLU:HB3	1:A:45:THR:HB	3	0.17	0.05	0.16
(1,3508)	1:B:46:GLU:HB3	1:B:45:THR:HA	3	0.17	0.05	0.16
(1,3508)	1:B:46:GLU:HB3	1:B:45:THR:HB	3	0.17	0.05	0.16
(1,3903)	1:A:57:PRO:HA	1:A:51:THR:HA	3	0.16	0.05	0.15
(1,3903)	1:A:57:PRO:HA	1:A:59:VAL:HA	3	0.16	0.05	0.15
(1,3904)	1:B:57:PRO:HA	1:B:51:THR:HA	3	0.16	0.05	0.15

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,3904)	1:B:57:PRO:HA	1:B:59:VAL:HA	3	0.16	0.05	0.15
(1,1527)	1:A:65:LYS:H	1:A:64:MET:HG2	3	0.16	0.03	0.14
(1,1527)	1:A:65:LYS:H	1:A:64:MET:HG3	3	0.16	0.03	0.14
(1,1528)	1:B:65:LYS:H	1:B:64:MET:HG2	3	0.16	0.03	0.14
(1,1528)	1:B:65:LYS:H	1:B:64:MET:HG3	3	0.16	0.03	0.14
(1,1827)	1:A:57:PRO:HD2	1:A:57:PRO:HA	3	0.16	0.03	0.17
(1,1827)	1:A:57:PRO:HD3	1:A:57:PRO:HA	3	0.16	0.03	0.17
(1,1828)	1:B:57:PRO:HD2	1:B:57:PRO:HA	3	0.16	0.03	0.17
(1,1828)	1:B:57:PRO:HD3	1:B:57:PRO:HA	3	0.16	0.03	0.17
(1,2691)	1:A:94:SER:H	1:A:91:CYS:H	3	0.15	0.03	0.13
(1,2692)	1:B:94:SER:H	1:B:91:CYS:H	3	0.15	0.03	0.13
(1,3385)	1:A:17:LEU:HD22	1:B:11:GLU:HG2	3	0.15	0.03	0.14
(1,3385)	1:A:17:LEU:HD21	1:B:11:GLU:HG2	3	0.15	0.03	0.14
(1,3385)	1:A:17:LEU:HD23	1:B:11:GLU:HG2	3	0.15	0.03	0.14
(1,3385)	1:A:17:LEU:HD22	1:B:15:GLU:HG2	3	0.15	0.03	0.14
(1,3385)	1:A:17:LEU:HD21	1:B:15:GLU:HG2	3	0.15	0.03	0.14
(1,3385)	1:A:17:LEU:HD23	1:B:15:GLU:HG2	3	0.15	0.03	0.14
(1,3385)	1:A:17:LEU:HD22	1:B:89:MET:HG3	3	0.15	0.03	0.14
(1,3385)	1:A:17:LEU:HD21	1:B:89:MET:HG3	3	0.15	0.03	0.14
(1,3385)	1:A:17:LEU:HD23	1:B:89:MET:HG3	3	0.15	0.03	0.14
(1,3385)	1:A:83:LEU:HD22	1:B:11:GLU:HG2	3	0.15	0.03	0.14
(1,3385)	1:A:83:LEU:HD21	1:B:11:GLU:HG2	3	0.15	0.03	0.14
(1,3385)	1:A:83:LEU:HD23	1:B:11:GLU:HG2	3	0.15	0.03	0.14
(1,3386)	1:B:17:LEU:HD22	1:A:11:GLU:HG2	3	0.15	0.03	0.14
(1,3386)	1:B:17:LEU:HD21	1:A:11:GLU:HG2	3	0.15	0.03	0.14
(1,3386)	1:B:17:LEU:HD23	1:A:11:GLU:HG2	3	0.15	0.03	0.14
(1,3386)	1:B:17:LEU:HD22	1:A:15:GLU:HG2	3	0.15	0.03	0.14
(1,3386)	1:B:17:LEU:HD21	1:A:15:GLU:HG2	3	0.15	0.03	0.14
(1,3386)	1:B:17:LEU:HD23	1:A:15:GLU:HG2	3	0.15	0.03	0.14
(1,3386)	1:B:17:LEU:HD22	1:A:89:MET:HG3	3	0.15	0.03	0.14
(1,3386)	1:B:17:LEU:HD21	1:A:89:MET:HG3	3	0.15	0.03	0.14
(1,3386)	1:B:17:LEU:HD23	1:A:89:MET:HG3	3	0.15	0.03	0.14
(1,3386)	1:B:83:LEU:HD22	1:A:11:GLU:HG2	3	0.15	0.03	0.14
(1,3386)	1:B:83:LEU:HD21	1:A:11:GLU:HG2	3	0.15	0.03	0.14
(1,3386)	1:B:83:LEU:HD23	1:A:11:GLU:HG2	3	0.15	0.03	0.14
(1,4503)	1:A:24:TYR:H	1:A:34:LEU:HD12	3	0.15	0.03	0.14
(1,4503)	1:A:24:TYR:H	1:A:34:LEU:HD11	3	0.15	0.03	0.14
(1,4503)	1:A:24:TYR:H	1:A:34:LEU:HD13	3	0.15	0.03	0.14
(1,4503)	1:A:75:LEU:HD12	1:A:83:LEU:H	3	0.15	0.03	0.14
(1,4503)	1:A:75:LEU:HD11	1:A:83:LEU:H	3	0.15	0.03	0.14
(1,4503)	1:A:75:LEU:HD13	1:A:83:LEU:H	3	0.15	0.03	0.14
(1,4503)	1:A:82:ASN:H	1:A:81:LEU:HD12	3	0.15	0.03	0.14

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,4503)	1:A:82:ASN:H	1:A:81:LEU:HD11	3	0.15	0.03	0.14
(1,4503)	1:A:82:ASN:H	1:A:81:LEU:HD13	3	0.15	0.03	0.14
(1,4504)	1:B:24:TYR:H	1:B:34:LEU:HD12	3	0.15	0.03	0.14
(1,4504)	1:B:24:TYR:H	1:B:34:LEU:HD11	3	0.15	0.03	0.14
(1,4504)	1:B:24:TYR:H	1:B:34:LEU:HD13	3	0.15	0.03	0.14
(1,4504)	1:B:75:LEU:HD12	1:B:83:LEU:H	3	0.15	0.03	0.14
(1,4504)	1:B:75:LEU:HD11	1:B:83:LEU:H	3	0.15	0.03	0.14
(1,4504)	1:B:75:LEU:HD13	1:B:83:LEU:H	3	0.15	0.03	0.14
(1,4504)	1:B:82:ASN:H	1:B:81:LEU:HD12	3	0.15	0.03	0.14
(1,4504)	1:B:82:ASN:H	1:B:81:LEU:HD11	3	0.15	0.03	0.14
(1,4504)	1:B:82:ASN:H	1:B:81:LEU:HD13	3	0.15	0.03	0.14
(1,3358)	1:B:88:ALA:HB2	1:A:14:ILE:HB	3	0.14	0.01	0.15
(1,3358)	1:B:88:ALA:HB1	1:A:14:ILE:HB	3	0.14	0.01	0.15
(1,3358)	1:B:88:ALA:HB3	1:A:14:ILE:HB	3	0.14	0.01	0.15
(1,3358)	1:B:88:ALA:HB2	1:A:77:PHE:HB3	3	0.14	0.01	0.15
(1,3358)	1:B:88:ALA:HB1	1:A:77:PHE:HB3	3	0.14	0.01	0.15
(1,3358)	1:B:88:ALA:HB3	1:A:77:PHE:HB3	3	0.14	0.01	0.15
(1,3808)	1:B:37:THR:HB	1:B:36:LYS:H	3	0.14	0.01	0.15
(1,3808)	1:B:37:THR:HB	1:B:39:PHE:H	3	0.14	0.01	0.15
(1,3965)	1:A:9:GLU:HB2	1:A:12:ARG:HD2	3	0.13	0.03	0.12
(1,3965)	1:A:9:GLU:HB2	1:A:12:ARG:HD3	3	0.13	0.03	0.12
(1,3965)	1:A:9:GLU:HB3	1:A:12:ARG:HD2	3	0.13	0.03	0.12
(1,3965)	1:A:9:GLU:HB3	1:A:12:ARG:HD3	3	0.13	0.03	0.12
(1,3965)	1:A:15:GLU:HB2	1:A:12:ARG:HD2	3	0.13	0.03	0.12
(1,3965)	1:A:15:GLU:HB2	1:A:12:ARG:HD3	3	0.13	0.03	0.12
(1,3965)	1:A:15:GLU:HB3	1:A:12:ARG:HD2	3	0.13	0.03	0.12
(1,3965)	1:A:15:GLU:HB3	1:A:12:ARG:HD3	3	0.13	0.03	0.12
(1,3966)	1:B:9:GLU:HB2	1:B:12:ARG:HD2	3	0.13	0.03	0.12
(1,3966)	1:B:9:GLU:HB2	1:B:12:ARG:HD3	3	0.13	0.03	0.12
(1,3966)	1:B:9:GLU:HB3	1:B:12:ARG:HD2	3	0.13	0.03	0.12
(1,3966)	1:B:9:GLU:HB3	1:B:12:ARG:HD3	3	0.13	0.03	0.12
(1,3966)	1:B:15:GLU:HB2	1:B:12:ARG:HD2	3	0.13	0.03	0.12
(1,3966)	1:B:15:GLU:HB2	1:B:12:ARG:HD3	3	0.13	0.03	0.12
(1,3966)	1:B:15:GLU:HB3	1:B:12:ARG:HD2	3	0.13	0.03	0.12
(1,3966)	1:B:15:GLU:HB3	1:B:12:ARG:HD3	3	0.13	0.03	0.12
(2,38)	1:B:65:LYS:H	1:B:63:MET:HG2	3	0.13	0.02	0.14
(1,201)	1:A:33:THR:HA	1:A:75:LEU:HA	3	0.13	0.01	0.13
(1,202)	1:B:33:THR:HA	1:B:75:LEU:HA	3	0.13	0.01	0.13
(2,37)	1:A:65:LYS:H	1:A:63:MET:HG2	3	0.13	0.01	0.14
(1,161)	1:A:76:ASP:HB2	1:A:33:THR:HB	3	0.13	0.01	0.12
(1,162)	1:B:76:ASP:HB2	1:B:33:THR:HB	3	0.12	0.01	0.11
(3,20)	1:A:24:TYR:H	1:A:20:VAL:O	3	0.11	0.0	0.11

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,78)	1:B:24:TYR:H	1:B:20:VAL:O	3	0.11	0.0	0.11
(1,1314)	1:B:59:VAL:HB	1:B:60:LEU:H	3	0.11	0.0	0.11
(1,4170)	1:B:17:LEU:HG	1:B:16:SER:HB3	2	0.5	0.12	0.5
(1,4170)	1:B:16:SER:HB3	1:A:9:GLU:HB2	2	0.5	0.12	0.5
(1,4170)	1:B:16:SER:HB3	1:A:9:GLU:HB3	2	0.5	0.12	0.5
(1,4169)	1:A:17:LEU:HG	1:A:16:SER:HB3	2	0.5	0.12	0.5
(1,4169)	1:A:16:SER:HB3	1:B:9:GLU:HB2	2	0.5	0.12	0.5
(1,4169)	1:A:16:SER:HB3	1:B:9:GLU:HB3	2	0.5	0.12	0.5
(1,707)	1:A:67:LEU:HB2	1:A:66:LYS:HB2	2	0.36	0.02	0.36
(1,707)	1:A:67:LEU:HB2	1:A:66:LYS:HB3	2	0.36	0.02	0.36
(1,708)	1:B:67:LEU:HB2	1:B:66:LYS:HB2	2	0.36	0.02	0.36
(1,708)	1:B:67:LEU:HB2	1:B:66:LYS:HB3	2	0.36	0.02	0.36
(1,3403)	1:A:9:GLU:HB2	1:B:16:SER:HB3	2	0.27	0.01	0.27
(1,3403)	1:A:9:GLU:HB3	1:B:16:SER:HB3	2	0.27	0.01	0.27
(1,3403)	1:A:9:GLU:HB2	1:B:20:VAL:HA	2	0.27	0.01	0.27
(1,3403)	1:A:9:GLU:HB3	1:B:20:VAL:HA	2	0.27	0.01	0.27
(1,3404)	1:B:9:GLU:HB2	1:A:16:SER:HB3	2	0.27	0.03	0.27
(1,3404)	1:B:9:GLU:HB3	1:A:16:SER:HB3	2	0.27	0.03	0.27
(1,3404)	1:B:9:GLU:HB2	1:A:20:VAL:HA	2	0.27	0.03	0.27
(1,3404)	1:B:9:GLU:HB3	1:A:20:VAL:HA	2	0.27	0.03	0.27
(1,2000)	1:B:33:THR:HG21	1:B:76:ASP:HB3	2	0.26	0.03	0.26
(1,2000)	1:B:33:THR:HG22	1:B:76:ASP:HB3	2	0.26	0.03	0.26
(1,2000)	1:B:33:THR:HG23	1:B:76:ASP:HB3	2	0.26	0.03	0.26
(1,1999)	1:A:33:THR:HG21	1:A:76:ASP:HB3	2	0.26	0.04	0.26
(1,1999)	1:A:33:THR:HG22	1:A:76:ASP:HB3	2	0.26	0.04	0.26
(1,1999)	1:A:33:THR:HG23	1:A:76:ASP:HB3	2	0.26	0.04	0.26
(1,3465)	1:A:100:PRO:HD2	1:A:96:LEU:HB3	2	0.24	0.04	0.24
(1,3465)	1:A:100:PRO:HD2	1:A:98:ALA:HB2	2	0.24	0.04	0.24
(1,3465)	1:A:100:PRO:HD2	1:A:98:ALA:HB1	2	0.24	0.04	0.24
(1,3465)	1:A:100:PRO:HD2	1:A:98:ALA:HB3	2	0.24	0.04	0.24
(1,3466)	1:B:100:PRO:HD2	1:B:96:LEU:HB3	2	0.24	0.04	0.24
(1,3466)	1:B:100:PRO:HD2	1:B:98:ALA:HB2	2	0.24	0.04	0.24
(1,3466)	1:B:100:PRO:HD2	1:B:98:ALA:HB1	2	0.24	0.04	0.24
(1,3466)	1:B:100:PRO:HD2	1:B:98:ALA:HB3	2	0.24	0.04	0.24
(1,188)	1:B:42:PHE:HA	1:B:34:LEU:HD22	2	0.24	0.04	0.24
(1,188)	1:B:42:PHE:HA	1:B:34:LEU:HD21	2	0.24	0.04	0.24
(1,188)	1:B:42:PHE:HA	1:B:34:LEU:HD23	2	0.24	0.04	0.24
(1,187)	1:A:42:PHE:HA	1:A:34:LEU:HD22	2	0.23	0.04	0.23
(1,187)	1:A:42:PHE:HA	1:A:34:LEU:HD21	2	0.23	0.04	0.23
(1,187)	1:A:42:PHE:HA	1:A:34:LEU:HD23	2	0.23	0.04	0.23
(1,132)	1:B:46:GLU:HB3	1:B:42:PHE:HA	2	0.22	0.06	0.22
(1,131)	1:A:46:GLU:HB3	1:A:42:PHE:HA	2	0.22	0.06	0.22

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,4269)	1:A:25:ALA:HB2	1:A:21:PHE:HB2	2	0.19	0.01	0.19
(1,4269)	1:A:25:ALA:HB1	1:A:21:PHE:HB2	2	0.19	0.01	0.19
(1,4269)	1:A:25:ALA:HB3	1:A:21:PHE:HB2	2	0.19	0.01	0.19
(1,4269)	1:A:25:ALA:HB2	1:A:24:TYR:HB2	2	0.19	0.01	0.19
(1,4269)	1:A:25:ALA:HB1	1:A:24:TYR:HB2	2	0.19	0.01	0.19
(1,4269)	1:A:25:ALA:HB3	1:A:24:TYR:HB2	2	0.19	0.01	0.19
(1,4270)	1:B:25:ALA:HB2	1:B:21:PHE:HB2	2	0.19	0.01	0.19
(1,4270)	1:B:25:ALA:HB1	1:B:21:PHE:HB2	2	0.19	0.01	0.19
(1,4270)	1:B:25:ALA:HB3	1:B:21:PHE:HB2	2	0.19	0.01	0.19
(1,4270)	1:B:25:ALA:HB2	1:B:24:TYR:HB2	2	0.19	0.01	0.19
(1,4270)	1:B:25:ALA:HB1	1:B:24:TYR:HB2	2	0.19	0.01	0.19
(1,4270)	1:B:25:ALA:HB3	1:B:24:TYR:HB2	2	0.19	0.01	0.19
(1,1943)	1:A:42:PHE:HA	1:A:27:LYS:HE2	2	0.17	0.0	0.17
(1,1943)	1:A:42:PHE:HA	1:A:27:LYS:HE3	2	0.17	0.0	0.17
(1,1944)	1:B:42:PHE:HA	1:B:27:LYS:HE2	2	0.17	0.0	0.17
(1,1944)	1:B:42:PHE:HA	1:B:27:LYS:HE3	2	0.17	0.0	0.17
(1,1605)	1:A:74:GLN:HG2	1:A:33:THR:HG21	2	0.17	0.04	0.17
(1,1605)	1:A:74:GLN:HG2	1:A:33:THR:HG22	2	0.17	0.04	0.17
(1,1605)	1:A:74:GLN:HG2	1:A:33:THR:HG23	2	0.17	0.04	0.17
(1,1605)	1:A:74:GLN:HG3	1:A:33:THR:HG21	2	0.17	0.04	0.17
(1,1605)	1:A:74:GLN:HG3	1:A:33:THR:HG22	2	0.17	0.04	0.17
(1,1605)	1:A:74:GLN:HG3	1:A:33:THR:HG23	2	0.17	0.04	0.17
(1,1606)	1:B:74:GLN:HG2	1:B:33:THR:HG21	2	0.17	0.04	0.17
(1,1606)	1:B:74:GLN:HG2	1:B:33:THR:HG22	2	0.17	0.04	0.17
(1,1606)	1:B:74:GLN:HG2	1:B:33:THR:HG23	2	0.17	0.04	0.17
(1,1606)	1:B:74:GLN:HG3	1:B:33:THR:HG21	2	0.17	0.04	0.17
(1,1606)	1:B:74:GLN:HG3	1:B:33:THR:HG22	2	0.17	0.04	0.17
(1,1606)	1:B:74:GLN:HG3	1:B:33:THR:HG23	2	0.17	0.04	0.17
(1,5033)	1:A:66:LYS:HD2	1:A:63:MET:HA	2	0.17	0.04	0.17
(1,5033)	1:A:66:LYS:HD3	1:A:63:MET:HA	2	0.17	0.04	0.17
(1,5033)	1:A:24:TYR:HA	1:A:27:LYS:HD2	2	0.17	0.04	0.17
(1,5033)	1:A:24:TYR:HA	1:A:27:LYS:HD3	2	0.17	0.04	0.17
(1,5034)	1:B:66:LYS:HD2	1:B:63:MET:HA	2	0.16	0.04	0.16
(1,5034)	1:B:66:LYS:HD3	1:B:63:MET:HA	2	0.16	0.04	0.16
(1,5034)	1:B:24:TYR:HA	1:B:27:LYS:HD2	2	0.16	0.04	0.16
(1,5034)	1:B:24:TYR:HA	1:B:27:LYS:HD3	2	0.16	0.04	0.16
(1,4027)	1:A:99:VAL:HG22	1:A:102:GLN:H	2	0.16	0.01	0.16
(1,4027)	1:A:99:VAL:HG21	1:A:102:GLN:H	2	0.16	0.01	0.16
(1,4027)	1:A:99:VAL:HG23	1:A:102:GLN:H	2	0.16	0.01	0.16
(1,4027)	1:A:99:VAL:HG12	1:A:102:GLN:H	2	0.16	0.01	0.16
(1,4027)	1:A:99:VAL:HG11	1:A:102:GLN:H	2	0.16	0.01	0.16
(1,4027)	1:A:99:VAL:HG13	1:A:102:GLN:H	2	0.16	0.01	0.16

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,4028)	1:B:99:VAL:HG22	1:B:102:GLN:H	2	0.16	0.01	0.16
(1,4028)	1:B:99:VAL:HG21	1:B:102:GLN:H	2	0.16	0.01	0.16
(1,4028)	1:B:99:VAL:HG23	1:B:102:GLN:H	2	0.16	0.01	0.16
(1,4028)	1:B:99:VAL:HG12	1:B:102:GLN:H	2	0.16	0.01	0.16
(1,4028)	1:B:99:VAL:HG11	1:B:102:GLN:H	2	0.16	0.01	0.16
(1,4028)	1:B:99:VAL:HG13	1:B:102:GLN:H	2	0.16	0.01	0.16
(1,4676)	1:B:63:MET:HG3	1:B:63:MET:HA	2	0.15	0.01	0.15
(1,4676)	1:B:89:MET:HG3	1:A:78:SER:HB2	2	0.15	0.01	0.15
(1,4676)	1:B:89:MET:HG3	1:A:78:SER:HB3	2	0.15	0.01	0.15
(1,4855)	1:A:34:LEU:HD22	1:A:24:TYR:HA	2	0.15	0.02	0.15
(1,4855)	1:A:34:LEU:HD21	1:A:24:TYR:HA	2	0.15	0.02	0.15
(1,4855)	1:A:34:LEU:HD23	1:A:24:TYR:HA	2	0.15	0.02	0.15
(1,4855)	1:A:25:ALA:HA	1:A:34:LEU:HD22	2	0.15	0.02	0.15
(1,4855)	1:A:25:ALA:HA	1:A:34:LEU:HD21	2	0.15	0.02	0.15
(1,4855)	1:A:25:ALA:HA	1:A:34:LEU:HD23	2	0.15	0.02	0.15
(1,4856)	1:B:34:LEU:HD22	1:B:24:TYR:HA	2	0.15	0.02	0.15
(1,4856)	1:B:34:LEU:HD21	1:B:24:TYR:HA	2	0.15	0.02	0.15
(1,4856)	1:B:34:LEU:HD23	1:B:24:TYR:HA	2	0.15	0.02	0.15
(1,4856)	1:B:25:ALA:HA	1:B:34:LEU:HD22	2	0.15	0.02	0.15
(1,4856)	1:B:25:ALA:HA	1:B:34:LEU:HD21	2	0.15	0.02	0.15
(1,4856)	1:B:25:ALA:HA	1:B:34:LEU:HD23	2	0.15	0.02	0.15
(1,4675)	1:A:63:MET:HG3	1:A:63:MET:HA	2	0.15	0.0	0.15
(1,4675)	1:A:89:MET:HG3	1:B:78:SER:HB2	2	0.15	0.0	0.15
(1,4675)	1:A:89:MET:HG3	1:B:78:SER:HB3	2	0.15	0.0	0.15
(1,325)	1:A:96:LEU:HG	1:A:95:PHE:HB2	2	0.14	0.02	0.14
(1,325)	1:A:96:LEU:HG	1:A:95:PHE:HB3	2	0.14	0.02	0.14
(1,326)	1:B:96:LEU:HG	1:B:95:PHE:HB2	2	0.14	0.02	0.14
(1,326)	1:B:96:LEU:HG	1:B:95:PHE:HB3	2	0.14	0.02	0.14
(1,2506)	1:B:37:THR:H	1:B:34:LEU:HD22	2	0.14	0.0	0.14
(1,2506)	1:B:37:THR:H	1:B:34:LEU:HD21	2	0.14	0.0	0.14
(1,2506)	1:B:37:THR:H	1:B:34:LEU:HD23	2	0.14	0.0	0.14
(1,3503)	1:A:39:PHE:HB3	1:A:33:THR:HA	2	0.14	0.03	0.14
(1,3503)	1:A:33:THR:HA	1:A:80:PHE:HB2	2	0.14	0.03	0.14
(1,3504)	1:B:39:PHE:HB3	1:B:33:THR:HA	2	0.14	0.03	0.14
(1,3504)	1:B:33:THR:HA	1:B:80:PHE:HB2	2	0.14	0.03	0.14
(1,5331)	1:A:21:PHE:H	1:A:18:ILE:HG22	2	0.14	0.02	0.14
(1,5331)	1:A:21:PHE:H	1:A:18:ILE:HG21	2	0.14	0.02	0.14
(1,5331)	1:A:21:PHE:H	1:A:18:ILE:HG23	2	0.14	0.02	0.14
(1,5331)	1:A:21:PHE:H	1:A:81:LEU:HD22	2	0.14	0.02	0.14
(1,5331)	1:A:21:PHE:H	1:A:81:LEU:HD21	2	0.14	0.02	0.14
(1,5331)	1:A:21:PHE:H	1:A:81:LEU:HD23	2	0.14	0.02	0.14
(1,1740)	1:B:23:LYS:HE2	1:A:8:THR:HB	2	0.14	0.02	0.14

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1740)	1:B:23:LYS:HE3	1:A:8:THR:HB	2	0.14	0.02	0.14
(1,2505)	1:A:37:THR:H	1:A:34:LEU:HD22	2	0.14	0.01	0.14
(1,2505)	1:A:37:THR:H	1:A:34:LEU:HD21	2	0.14	0.01	0.14
(1,2505)	1:A:37:THR:H	1:A:34:LEU:HD23	2	0.14	0.01	0.14
(1,5305)	1:A:46:GLU:H	1:A:44:ASN:HB3	2	0.14	0.02	0.14
(1,5305)	1:A:81:LEU:H	1:A:82:ASN:HB3	2	0.14	0.02	0.14
(1,5305)	1:A:81:LEU:H	1:B:89:MET:HG2	2	0.14	0.02	0.14
(1,5306)	1:B:46:GLU:H	1:B:44:ASN:HB3	2	0.14	0.02	0.14
(1,5306)	1:B:81:LEU:H	1:B:82:ASN:HB3	2	0.14	0.02	0.14
(1,5306)	1:B:81:LEU:H	1:A:89:MET:HG2	2	0.14	0.02	0.14
(1,5332)	1:B:21:PHE:H	1:B:18:ILE:HG22	2	0.14	0.02	0.14
(1,5332)	1:B:21:PHE:H	1:B:18:ILE:HG21	2	0.14	0.02	0.14
(1,5332)	1:B:21:PHE:H	1:B:18:ILE:HG23	2	0.14	0.02	0.14
(1,5332)	1:B:21:PHE:H	1:B:81:LEU:HD22	2	0.14	0.02	0.14
(1,5332)	1:B:21:PHE:H	1:B:81:LEU:HD21	2	0.14	0.02	0.14
(1,5332)	1:B:21:PHE:H	1:B:81:LEU:HD23	2	0.14	0.02	0.14
(1,168)	1:B:76:ASP:HB2	1:B:75:LEU:HA	2	0.12	0.02	0.12
(1,2759)	1:A:34:LEU:H	1:A:34:LEU:HD22	2	0.12	0.01	0.12
(1,2759)	1:A:34:LEU:H	1:A:34:LEU:HD21	2	0.12	0.01	0.12
(1,2759)	1:A:34:LEU:H	1:A:34:LEU:HD23	2	0.12	0.01	0.12
(1,2760)	1:B:34:LEU:H	1:B:34:LEU:HD22	2	0.12	0.01	0.12
(1,2760)	1:B:34:LEU:H	1:B:34:LEU:HD21	2	0.12	0.01	0.12
(1,2760)	1:B:34:LEU:H	1:B:34:LEU:HD23	2	0.12	0.01	0.12
(1,4549)	1:A:88:ALA:HB2	1:A:91:CYS:HB2	2	0.12	0.02	0.12
(1,4549)	1:A:88:ALA:HB2	1:A:91:CYS:HB3	2	0.12	0.02	0.12
(1,4549)	1:A:88:ALA:HB1	1:A:91:CYS:HB2	2	0.12	0.02	0.12
(1,4549)	1:A:88:ALA:HB1	1:A:91:CYS:HB3	2	0.12	0.02	0.12
(1,4549)	1:A:88:ALA:HB3	1:A:91:CYS:HB2	2	0.12	0.02	0.12
(1,4549)	1:A:88:ALA:HB3	1:A:91:CYS:HB3	2	0.12	0.02	0.12
(1,4549)	1:A:90:ALA:HB2	1:A:91:CYS:HB2	2	0.12	0.02	0.12
(1,4549)	1:A:90:ALA:HB2	1:A:91:CYS:HB3	2	0.12	0.02	0.12
(1,4549)	1:A:90:ALA:HB1	1:A:91:CYS:HB2	2	0.12	0.02	0.12
(1,4549)	1:A:90:ALA:HB1	1:A:91:CYS:HB3	2	0.12	0.02	0.12
(1,4549)	1:A:90:ALA:HB3	1:A:91:CYS:HB2	2	0.12	0.02	0.12
(1,4549)	1:A:90:ALA:HB3	1:A:91:CYS:HB3	2	0.12	0.02	0.12
(1,4550)	1:B:88:ALA:HB2	1:B:91:CYS:HB2	2	0.12	0.02	0.12
(1,4550)	1:B:88:ALA:HB2	1:B:91:CYS:HB3	2	0.12	0.02	0.12
(1,4550)	1:B:88:ALA:HB1	1:B:91:CYS:HB2	2	0.12	0.02	0.12
(1,4550)	1:B:88:ALA:HB1	1:B:91:CYS:HB3	2	0.12	0.02	0.12
(1,4550)	1:B:88:ALA:HB3	1:B:91:CYS:HB2	2	0.12	0.02	0.12
(1,4550)	1:B:88:ALA:HB3	1:B:91:CYS:HB3	2	0.12	0.02	0.12
(1,4550)	1:B:90:ALA:HB2	1:B:91:CYS:HB2	2	0.12	0.02	0.12

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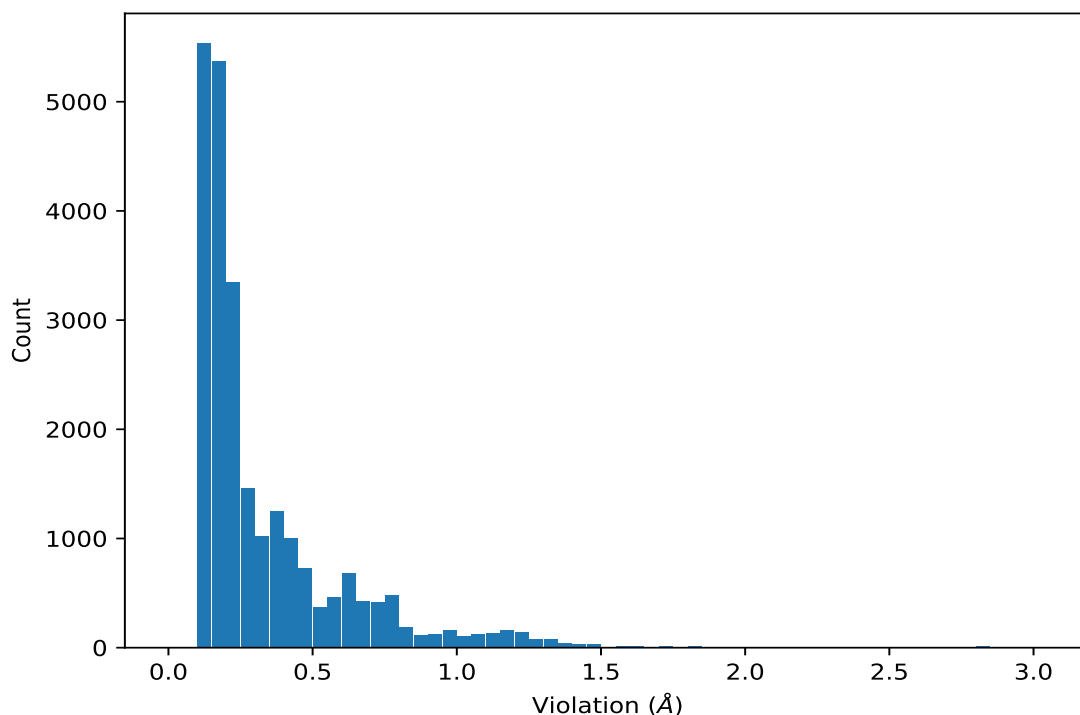
Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,4550)	1:B:90:ALA:HB2	1:B:91:CYS:HB3	2	0.12	0.02	0.12
(1,4550)	1:B:90:ALA:HB1	1:B:91:CYS:HB2	2	0.12	0.02	0.12
(1,4550)	1:B:90:ALA:HB1	1:B:91:CYS:HB3	2	0.12	0.02	0.12
(1,4550)	1:B:90:ALA:HB3	1:B:91:CYS:HB2	2	0.12	0.02	0.12
(1,4550)	1:B:90:ALA:HB3	1:B:91:CYS:HB3	2	0.12	0.02	0.12
(1,167)	1:A:76:ASP:HB2	1:A:75:LEU:HA	2	0.12	0.01	0.12
(1,1739)	1:A:23:LYS:HE2	1:B:8:THR:HB	2	0.12	0.01	0.12
(1,1739)	1:A:23:LYS:HE3	1:B:8:THR:HB	2	0.12	0.01	0.12
(1,2426)	1:B:41:SER:H	1:B:45:THR:H	2	0.12	0.0	0.12
(1,2569)	1:A:76:ASP:H	1:A:79:GLU:HA	2	0.12	0.0	0.12
(1,2570)	1:B:76:ASP:H	1:B:79:GLU:HA	2	0.12	0.0	0.12
(1,2425)	1:A:41:SER:H	1:A:45:THR:H	2	0.12	0.0	0.12
(1,3143)	1:A:93:ASP:H	1:A:93:ASP:HB2	2	0.12	0.0	0.12
(1,3144)	1:B:93:ASP:H	1:B:93:ASP:HB2	2	0.12	0.0	0.12
(1,947)	1:A:13:CYS:HB2	1:A:10:THR:HG21	2	0.11	0.0	0.11
(1,947)	1:A:13:CYS:HB2	1:A:10:THR:HG22	2	0.11	0.0	0.11
(1,947)	1:A:13:CYS:HB2	1:A:10:THR:HG23	2	0.11	0.0	0.11
(1,948)	1:B:13:CYS:HB2	1:B:10:THR:HG21	2	0.11	0.0	0.11
(1,948)	1:B:13:CYS:HB2	1:B:10:THR:HG22	2	0.11	0.0	0.11
(1,948)	1:B:13:CYS:HB2	1:B:10:THR:HG23	2	0.11	0.0	0.11
(1,4194)	1:B:81:LEU:HD22	1:B:80:PHE:H	2	0.11	0.0	0.11
(1,4194)	1:B:81:LEU:HD21	1:B:80:PHE:H	2	0.11	0.0	0.11
(1,4194)	1:B:81:LEU:HD23	1:B:80:PHE:H	2	0.11	0.0	0.11
(1,4194)	1:B:85:GLY:H	1:B:81:LEU:HD22	2	0.11	0.0	0.11
(1,4194)	1:B:85:GLY:H	1:B:81:LEU:HD21	2	0.11	0.0	0.11
(1,4194)	1:B:85:GLY:H	1:B:81:LEU:HD23	2	0.11	0.0	0.11
(1,4194)	1:B:81:LEU:HD22	1:A:85:GLY:H	2	0.11	0.0	0.11
(1,4194)	1:B:81:LEU:HD21	1:A:85:GLY:H	2	0.11	0.0	0.11
(1,4194)	1:B:81:LEU:HD23	1:A:85:GLY:H	2	0.11	0.0	0.11
(1,4194)	1:B:81:LEU:HD22	1:A:89:MET:H	2	0.11	0.0	0.11
(1,4194)	1:B:81:LEU:HD21	1:A:89:MET:H	2	0.11	0.0	0.11
(1,4194)	1:B:81:LEU:HD23	1:A:89:MET:H	2	0.11	0.0	0.11

<sup>1</sup>Number of violated models, <sup>2</sup>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 [i](#)

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)
(1,2068)	1:B:13:CYS:HB2	1:A:13:CYS:HB2	15	3.03
(1,2067)	1:A:13:CYS:HB2	1:B:13:CYS:HB2	15	3.03
(1,2068)	1:B:13:CYS:HB2	1:A:13:CYS:HB2	19	2.92
(1,2067)	1:A:13:CYS:HB2	1:B:13:CYS:HB2	19	2.92
(1,2068)	1:B:13:CYS:HB2	1:A:13:CYS:HB2	5	2.87
(1,2067)	1:A:13:CYS:HB2	1:B:13:CYS:HB2	5	2.87
(1,1328)	1:B:34:LEU:HB2	1:B:39:PHE:HB3	9	2.87
(1,1327)	1:A:34:LEU:HB2	1:A:39:PHE:HB3	9	2.86
(1,2068)	1:B:13:CYS:HB2	1:A:13:CYS:HB2	2	2.83
(1,2067)	1:A:13:CYS:HB2	1:B:13:CYS:HB2	2	2.83
(1,2068)	1:B:13:CYS:HB2	1:A:13:CYS:HB2	6	2.82
(1,2068)	1:B:13:CYS:HB2	1:A:13:CYS:HB2	11	2.82
(1,2068)	1:B:13:CYS:HB2	1:A:13:CYS:HB2	14	2.82
(1,2068)	1:B:13:CYS:HB2	1:A:13:CYS:HB2	20	2.82
(1,2067)	1:A:13:CYS:HB2	1:B:13:CYS:HB2	6	2.82
(1,2067)	1:A:13:CYS:HB2	1:B:13:CYS:HB2	11	2.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2067)	1:A:13:CYS:HB2	1:B:13:CYS:HB2	14	2.82
(1,2067)	1:A:13:CYS:HB2	1:B:13:CYS:HB2	20	2.82
(1,2068)	1:B:13:CYS:HB2	1:A:13:CYS:HB2	3	2.8
(1,2068)	1:B:13:CYS:HB2	1:A:13:CYS:HB2	8	2.8
(1,2067)	1:A:13:CYS:HB2	1:B:13:CYS:HB2	3	2.8
(1,2067)	1:A:13:CYS:HB2	1:B:13:CYS:HB2	8	2.8
(1,2068)	1:B:13:CYS:HB2	1:A:13:CYS:HB2	10	2.76
(1,2068)	1:B:13:CYS:HB2	1:A:13:CYS:HB2	17	2.76
(1,2067)	1:A:13:CYS:HB2	1:B:13:CYS:HB2	10	2.76
(1,2067)	1:A:13:CYS:HB2	1:B:13:CYS:HB2	17	2.76
(1,1328)	1:B:34:LEU:HB2	1:B:39:PHE:HB3	6	2.73
(1,1327)	1:A:34:LEU:HB2	1:A:39:PHE:HB3	6	2.73
(1,1328)	1:B:34:LEU:HB2	1:B:39:PHE:HB3	3	2.7
(1,1327)	1:A:34:LEU:HB2	1:A:39:PHE:HB3	3	2.7
(1,1327)	1:A:34:LEU:HB2	1:A:39:PHE:HB3	7	2.61
(1,1328)	1:B:34:LEU:HB2	1:B:39:PHE:HB3	7	2.6
(1,1328)	1:B:34:LEU:HB2	1:B:39:PHE:HB3	4	2.59
(1,1327)	1:A:34:LEU:HB2	1:A:39:PHE:HB3	4	2.59
(1,1328)	1:B:34:LEU:HB2	1:B:39:PHE:HB3	1	2.51
(1,1327)	1:A:34:LEU:HB2	1:A:39:PHE:HB3	1	2.51
(1,1328)	1:B:34:LEU:HB2	1:B:39:PHE:HB3	2	2.48
(1,1327)	1:A:34:LEU:HB2	1:A:39:PHE:HB3	2	2.48
(1,1328)	1:B:34:LEU:HB2	1:B:39:PHE:HB3	13	2.45
(1,1327)	1:A:34:LEU:HB2	1:A:39:PHE:HB3	13	2.45
(1,1328)	1:B:34:LEU:HB2	1:B:39:PHE:HB3	8	2.43
(1,1327)	1:A:34:LEU:HB2	1:A:39:PHE:HB3	8	2.43
(1,1328)	1:B:34:LEU:HB2	1:B:39:PHE:HB3	18	2.36
(1,1327)	1:A:34:LEU:HB2	1:A:39:PHE:HB3	18	2.36
(1,1328)	1:B:34:LEU:HB2	1:B:39:PHE:HB3	17	2.34
(1,1327)	1:A:34:LEU:HB2	1:A:39:PHE:HB3	17	2.33
(1,286)	1:B:75:LEU:HB3	1:B:39:PHE:HB3	1	2.1
(1,285)	1:A:75:LEU:HB3	1:A:39:PHE:HB3	1	2.1
(1,268)	1:B:75:LEU:HB3	1:B:39:PHE:HB3	1	2.07
(1,267)	1:A:75:LEU:HB3	1:A:39:PHE:HB3	1	2.07
(1,3910)	1:B:82:ASN:HB2	1:B:75:LEU:HB2	20	2.04
(1,3910)	1:B:82:ASN:HB2	1:B:77:PHE:HB3	20	2.04
(1,3909)	1:A:82:ASN:HB2	1:A:75:LEU:HB2	20	2.04
(1,3909)	1:A:82:ASN:HB2	1:A:77:PHE:HB3	20	2.04
(1,320)	1:B:74:GLN:HB3	1:B:76:ASP:HB3	4	1.96
(1,286)	1:B:75:LEU:HB3	1:B:39:PHE:HB3	3	1.96
(1,285)	1:A:75:LEU:HB3	1:A:39:PHE:HB3	3	1.96
(1,319)	1:A:74:GLN:HB3	1:A:76:ASP:HB3	4	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,268)	1:B:75:LEU:HB3	1:B:39:PHE:HB3	3	1.93
(1,267)	1:A:75:LEU:HB3	1:A:39:PHE:HB3	3	1.93
(1,252)	1:B:76:ASP:HB2	1:B:77:PHE:HB2	4	1.86
(1,251)	1:A:76:ASP:HB2	1:A:77:PHE:HB2	4	1.86
(1,320)	1:B:74:GLN:HB3	1:B:76:ASP:HB3	17	1.84
(1,319)	1:A:74:GLN:HB3	1:A:76:ASP:HB3	17	1.84
(1,286)	1:B:75:LEU:HB3	1:B:39:PHE:HB3	2	1.84
(1,285)	1:A:75:LEU:HB3	1:A:39:PHE:HB3	2	1.84
(1,608)	1:B:77:PHE:HB3	1:A:89:MET:HG3	13	1.82
(1,608)	1:B:77:PHE:HB3	1:A:89:MET:HG3	19	1.82
(1,607)	1:A:77:PHE:HB3	1:B:89:MET:HG3	13	1.82
(1,607)	1:A:77:PHE:HB3	1:B:89:MET:HG3	19	1.81
(1,268)	1:B:75:LEU:HB3	1:B:39:PHE:HB3	2	1.81
(1,267)	1:A:75:LEU:HB3	1:A:39:PHE:HB3	2	1.81
(1,608)	1:B:77:PHE:HB3	1:A:89:MET:HG3	5	1.79
(1,607)	1:A:77:PHE:HB3	1:B:89:MET:HG3	5	1.79
(1,608)	1:B:77:PHE:HB3	1:A:89:MET:HG3	2	1.78
(1,607)	1:A:77:PHE:HB3	1:B:89:MET:HG3	2	1.78
(1,286)	1:B:75:LEU:HB3	1:B:39:PHE:HB3	4	1.75
(1,286)	1:B:75:LEU:HB3	1:B:39:PHE:HB3	17	1.75
(1,285)	1:A:75:LEU:HB3	1:A:39:PHE:HB3	4	1.75
(1,285)	1:A:75:LEU:HB3	1:A:39:PHE:HB3	13	1.75
(1,285)	1:A:75:LEU:HB3	1:A:39:PHE:HB3	17	1.75
(1,286)	1:B:75:LEU:HB3	1:B:39:PHE:HB3	13	1.74
(1,286)	1:B:75:LEU:HB3	1:B:39:PHE:HB3	8	1.73
(1,285)	1:A:75:LEU:HB3	1:A:39:PHE:HB3	8	1.73
(1,268)	1:B:75:LEU:HB3	1:B:39:PHE:HB3	4	1.72
(1,268)	1:B:75:LEU:HB3	1:B:39:PHE:HB3	17	1.72
(1,267)	1:A:75:LEU:HB3	1:A:39:PHE:HB3	4	1.72
(1,267)	1:A:75:LEU:HB3	1:A:39:PHE:HB3	13	1.72
(1,267)	1:A:75:LEU:HB3	1:A:39:PHE:HB3	17	1.72
(1,268)	1:B:75:LEU:HB3	1:B:39:PHE:HB3	13	1.71
(1,268)	1:B:75:LEU:HB3	1:B:39:PHE:HB3	8	1.7
(1,267)	1:A:75:LEU:HB3	1:A:39:PHE:HB3	8	1.7
(1,286)	1:B:75:LEU:HB3	1:B:39:PHE:HB3	18	1.67
(1,285)	1:A:75:LEU:HB3	1:A:39:PHE:HB3	18	1.67
(1,268)	1:B:75:LEU:HB3	1:B:39:PHE:HB3	18	1.64
(1,267)	1:A:75:LEU:HB3	1:A:39:PHE:HB3	18	1.64
(1,607)	1:A:77:PHE:HB3	1:B:89:MET:HG3	4	1.63
(1,286)	1:B:75:LEU:HB3	1:B:39:PHE:HB3	9	1.62
(1,285)	1:A:75:LEU:HB3	1:A:39:PHE:HB3	9	1.62
(1,608)	1:B:77:PHE:HB3	1:A:89:MET:HG3	4	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3909)	1:A:82:ASN:HB2	1:A:75:LEU:HB2	4	1.6
(1,3909)	1:A:82:ASN:HB2	1:A:77:PHE:HB3	4	1.6
(1,286)	1:B:75:LEU:HB3	1:B:39:PHE:HB3	6	1.6
(1,285)	1:A:75:LEU:HB3	1:A:39:PHE:HB3	6	1.6
(1,3910)	1:B:82:ASN:HB2	1:B:75:LEU:HB2	4	1.59
(1,3910)	1:B:82:ASN:HB2	1:B:77:PHE:HB3	4	1.59
(1,268)	1:B:75:LEU:HB3	1:B:39:PHE:HB3	9	1.59
(1,267)	1:A:75:LEU:HB3	1:A:39:PHE:HB3	9	1.59
(1,3910)	1:B:82:ASN:HB2	1:B:75:LEU:HB2	5	1.58
(1,3910)	1:B:82:ASN:HB2	1:B:77:PHE:HB3	5	1.58
(1,3909)	1:A:82:ASN:HB2	1:A:75:LEU:HB2	5	1.58
(1,3909)	1:A:82:ASN:HB2	1:A:77:PHE:HB3	5	1.58
(1,268)	1:B:75:LEU:HB3	1:B:39:PHE:HB3	6	1.57
(1,267)	1:A:75:LEU:HB3	1:A:39:PHE:HB3	6	1.57
(1,140)	1:B:58:GLY:HA3	1:B:36:LYS:HE2	9	1.57
(1,140)	1:B:58:GLY:HA3	1:B:36:LYS:HE3	9	1.57
(1,139)	1:A:58:GLY:HA3	1:A:36:LYS:HE2	9	1.57
(1,139)	1:A:58:GLY:HA3	1:A:36:LYS:HE3	9	1.57
(1,139)	1:A:58:GLY:HA3	1:A:36:LYS:HE2	7	1.55
(1,139)	1:A:58:GLY:HA3	1:A:36:LYS:HE3	7	1.55
(1,3910)	1:B:82:ASN:HB2	1:B:75:LEU:HB2	19	1.54
(1,3910)	1:B:82:ASN:HB2	1:B:77:PHE:HB3	19	1.54
(1,3909)	1:A:82:ASN:HB2	1:A:75:LEU:HB2	19	1.54
(1,3909)	1:A:82:ASN:HB2	1:A:77:PHE:HB3	19	1.54
(1,140)	1:B:58:GLY:HA3	1:B:36:LYS:HE2	7	1.54
(1,140)	1:B:58:GLY:HA3	1:B:36:LYS:HE3	7	1.54
(1,3909)	1:A:82:ASN:HB2	1:A:75:LEU:HB2	13	1.49
(1,3909)	1:A:82:ASN:HB2	1:A:77:PHE:HB3	13	1.49
(1,140)	1:B:58:GLY:HA3	1:B:36:LYS:HE2	11	1.49
(1,140)	1:B:58:GLY:HA3	1:B:36:LYS:HE3	11	1.49
(1,3910)	1:B:82:ASN:HB2	1:B:75:LEU:HB2	13	1.48
(1,3910)	1:B:82:ASN:HB2	1:B:77:PHE:HB3	13	1.48
(1,182)	1:B:39:PHE:HB3	1:B:34:LEU:HA	9	1.48
(1,181)	1:A:39:PHE:HB3	1:A:34:LEU:HA	9	1.48
(1,139)	1:A:58:GLY:HA3	1:A:36:LYS:HE2	11	1.48
(1,139)	1:A:58:GLY:HA3	1:A:36:LYS:HE3	11	1.48
(1,139)	1:A:58:GLY:HA3	1:A:36:LYS:HE2	16	1.48
(1,139)	1:A:58:GLY:HA3	1:A:36:LYS:HE3	16	1.48
(2,16)	1:B:61:ASP:HB2	1:B:62:ARG:HD2	20	1.47
(2,15)	1:A:61:ASP:HB2	1:A:62:ARG:HD2	20	1.47
(1,140)	1:B:58:GLY:HA3	1:B:36:LYS:HE2	16	1.47
(1,140)	1:B:58:GLY:HA3	1:B:36:LYS:HE3	16	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4294)	1:B:27:LYS:HB3	1:B:28:ASP:HB3	9	1.45
(1,4294)	1:B:7:PRO:HB3	1:B:11:GLU:HG2	9	1.45
(1,4294)	1:B:23:LYS:HB2	1:B:24:TYR:HB3	9	1.45
(1,4293)	1:A:27:LYS:HB3	1:A:28:ASP:HB3	9	1.45
(1,4293)	1:A:7:PRO:HB3	1:A:11:GLU:HG2	9	1.45
(1,4293)	1:A:23:LYS:HB2	1:A:24:TYR:HB3	9	1.45
(1,140)	1:B:58:GLY:HA3	1:B:36:LYS:HE2	2	1.45
(1,140)	1:B:58:GLY:HA3	1:B:36:LYS:HE3	2	1.45
(1,140)	1:B:58:GLY:HA3	1:B:36:LYS:HE2	18	1.45
(1,140)	1:B:58:GLY:HA3	1:B:36:LYS:HE3	18	1.45
(1,139)	1:A:58:GLY:HA3	1:A:36:LYS:HE2	2	1.45
(1,139)	1:A:58:GLY:HA3	1:A:36:LYS:HE3	2	1.45
(1,139)	1:A:58:GLY:HA3	1:A:36:LYS:HE2	18	1.45
(1,139)	1:A:58:GLY:HA3	1:A:36:LYS:HE3	18	1.45
(2,148)	1:B:89:MET:HG2	1:B:93:ASP:HB3	10	1.44
(2,146)	1:B:15:GLU:HG2	1:B:11:GLU:HG2	19	1.44
(2,145)	1:A:15:GLU:HG2	1:A:11:GLU:HG2	19	1.44
(2,144)	1:B:89:MET:HG2	1:B:93:ASP:HB3	10	1.44
(2,130)	1:B:89:MET:HG2	1:B:93:ASP:HB3	10	1.44
(1,3909)	1:A:82:ASN:HB2	1:A:75:LEU:HB2	15	1.44
(1,3909)	1:A:82:ASN:HB2	1:A:77:PHE:HB3	15	1.44
(2,147)	1:A:89:MET:HG2	1:A:93:ASP:HB3	10	1.43
(2,143)	1:A:89:MET:HG2	1:A:93:ASP:HB3	10	1.43
(2,129)	1:A:89:MET:HG2	1:A:93:ASP:HB3	10	1.43
(1,3910)	1:B:82:ASN:HB2	1:B:75:LEU:HB2	10	1.43
(1,3910)	1:B:82:ASN:HB2	1:B:77:PHE:HB3	10	1.43
(1,3910)	1:B:82:ASN:HB2	1:B:75:LEU:HB2	15	1.43
(1,3910)	1:B:82:ASN:HB2	1:B:77:PHE:HB3	15	1.43
(1,3909)	1:A:82:ASN:HB2	1:A:75:LEU:HB2	10	1.43
(1,3909)	1:A:82:ASN:HB2	1:A:77:PHE:HB3	10	1.43
(1,139)	1:A:58:GLY:HA3	1:A:36:LYS:HE2	8	1.43
(1,139)	1:A:58:GLY:HA3	1:A:36:LYS:HE3	8	1.43
(2,146)	1:B:15:GLU:HG2	1:B:11:GLU:HG2	16	1.42
(2,145)	1:A:15:GLU:HG2	1:A:11:GLU:HG2	16	1.42
(1,224)	1:B:34:LEU:HB2	1:B:39:PHE:HB3	9	1.42
(1,182)	1:B:39:PHE:HB3	1:B:34:LEU:HA	7	1.42
(1,181)	1:A:39:PHE:HB3	1:A:34:LEU:HA	7	1.42
(1,140)	1:B:58:GLY:HA3	1:B:36:LYS:HE2	8	1.42
(1,140)	1:B:58:GLY:HA3	1:B:36:LYS:HE3	8	1.42
(1,140)	1:B:58:GLY:HA3	1:B:36:LYS:HE2	15	1.42
(1,140)	1:B:58:GLY:HA3	1:B:36:LYS:HE3	15	1.42
(1,223)	1:A:34:LEU:HB2	1:A:39:PHE:HB3	9	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,139)	1:A:58:GLY:HA3	1:A:36:LYS:HE2	15	1.41
(1,139)	1:A:58:GLY:HA3	1:A:36:LYS:HE3	15	1.41
(1,140)	1:B:58:GLY:HA3	1:B:36:LYS:HE2	10	1.4
(1,140)	1:B:58:GLY:HA3	1:B:36:LYS:HE3	10	1.4
(1,139)	1:A:58:GLY:HA3	1:A:36:LYS:HE2	10	1.4
(1,139)	1:A:58:GLY:HA3	1:A:36:LYS:HE3	10	1.4
(1,993)	1:A:21:PHE:HB2	1:A:22:GLN:HA	20	1.39
(1,4023)	1:A:83:LEU:HB3	1:A:66:LYS:HE2	20	1.39
(1,4023)	1:A:83:LEU:HB3	1:A:66:LYS:HE3	20	1.39
(1,4023)	1:A:83:LEU:HB3	1:A:82:ASN:HB2	20	1.39
(1,994)	1:B:21:PHE:HB2	1:B:22:GLN:HA	20	1.38
(1,4024)	1:B:83:LEU:HB3	1:B:66:LYS:HE2	20	1.38
(1,4024)	1:B:83:LEU:HB3	1:B:66:LYS:HE3	20	1.38
(1,4024)	1:B:83:LEU:HB3	1:B:82:ASN:HB2	20	1.38
(1,3910)	1:B:82:ASN:HB2	1:B:75:LEU:HB2	2	1.38
(1,3910)	1:B:82:ASN:HB2	1:B:77:PHE:HB3	2	1.38
(1,3910)	1:B:82:ASN:HB2	1:B:75:LEU:HB2	6	1.38
(1,3910)	1:B:82:ASN:HB2	1:B:77:PHE:HB3	6	1.38
(1,3909)	1:A:82:ASN:HB2	1:A:75:LEU:HB2	6	1.38
(1,3909)	1:A:82:ASN:HB2	1:A:77:PHE:HB3	6	1.38
(1,994)	1:B:21:PHE:HB2	1:B:22:GLN:HA	18	1.37
(1,993)	1:A:21:PHE:HB2	1:A:22:GLN:HA	18	1.37
(1,884)	1:B:34:LEU:HB3	1:B:80:PHE:HB2	10	1.37
(1,883)	1:A:34:LEU:HB3	1:A:80:PHE:HB2	10	1.37
(1,3909)	1:A:82:ASN:HB2	1:A:75:LEU:HB2	2	1.37
(1,3909)	1:A:82:ASN:HB2	1:A:77:PHE:HB3	2	1.37
(2,60)	1:B:42:PHE:HB3	1:B:24:TYR:H	1	1.36
(2,60)	1:B:42:PHE:HB3	1:B:24:TYR:H	3	1.36
(2,59)	1:A:42:PHE:HB3	1:A:24:TYR:H	1	1.36
(2,59)	1:A:42:PHE:HB3	1:A:24:TYR:H	3	1.36
(2,146)	1:B:15:GLU:HG2	1:B:11:GLU:HG2	8	1.36
(2,145)	1:A:15:GLU:HG2	1:A:11:GLU:HG2	8	1.36
(1,716)	1:B:76:ASP:HA	1:B:77:PHE:HB2	2	1.36
(1,715)	1:A:76:ASP:HA	1:A:77:PHE:HB2	2	1.36
(1,715)	1:A:76:ASP:HA	1:A:77:PHE:HB2	4	1.36
(2,146)	1:B:15:GLU:HG2	1:B:11:GLU:HG2	13	1.35
(2,146)	1:B:15:GLU:HG2	1:B:11:GLU:HG2	14	1.35
(2,145)	1:A:15:GLU:HG2	1:A:11:GLU:HG2	13	1.35
(2,145)	1:A:15:GLU:HG2	1:A:11:GLU:HG2	14	1.35
(1,716)	1:B:76:ASP:HA	1:B:77:PHE:HB2	4	1.35
(1,140)	1:B:58:GLY:HA3	1:B:36:LYS:HE2	6	1.35
(1,140)	1:B:58:GLY:HA3	1:B:36:LYS:HE3	6	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,139)	1:A:58:GLY:HA3	1:A:36:LYS:HE2	6	1.35
(1,139)	1:A:58:GLY:HA3	1:A:36:LYS:HE3	6	1.35
(1,1030)	1:B:38:GLU:HB3	1:B:24:TYR:HB2	13	1.35
(1,1029)	1:A:38:GLU:HB3	1:A:24:TYR:HB2	13	1.35
(1,994)	1:B:21:PHE:HB2	1:B:22:GLN:HA	19	1.34
(1,993)	1:A:21:PHE:HB2	1:A:22:GLN:HA	19	1.34
(1,3910)	1:B:82:ASN:HB2	1:B:75:LEU:HB2	11	1.34
(1,3910)	1:B:82:ASN:HB2	1:B:77:PHE:HB3	11	1.34
(1,3909)	1:A:82:ASN:HB2	1:A:75:LEU:HB2	11	1.34
(1,3909)	1:A:82:ASN:HB2	1:A:77:PHE:HB3	11	1.34
(2,60)	1:B:42:PHE:HB3	1:B:24:TYR:H	6	1.33
(2,60)	1:B:42:PHE:HB3	1:B:24:TYR:H	10	1.33
(2,59)	1:A:42:PHE:HB3	1:A:24:TYR:H	6	1.33
(2,59)	1:A:42:PHE:HB3	1:A:24:TYR:H	10	1.33
(2,145)	1:A:15:GLU:HG2	1:A:11:GLU:HG2	17	1.33
(1,3910)	1:B:82:ASN:HB2	1:B:75:LEU:HB2	9	1.33
(1,3910)	1:B:82:ASN:HB2	1:B:77:PHE:HB3	9	1.33
(1,3910)	1:B:82:ASN:HB2	1:B:75:LEU:HB2	16	1.33
(1,3910)	1:B:82:ASN:HB2	1:B:77:PHE:HB3	16	1.33
(1,3910)	1:B:82:ASN:HB2	1:B:75:LEU:HB2	18	1.33
(1,3910)	1:B:82:ASN:HB2	1:B:77:PHE:HB3	18	1.33
(1,3909)	1:A:82:ASN:HB2	1:A:75:LEU:HB2	9	1.33
(1,3909)	1:A:82:ASN:HB2	1:A:77:PHE:HB3	9	1.33
(1,3909)	1:A:82:ASN:HB2	1:A:75:LEU:HB2	16	1.33
(1,3909)	1:A:82:ASN:HB2	1:A:77:PHE:HB3	16	1.33
(1,3909)	1:A:82:ASN:HB2	1:A:75:LEU:HB2	18	1.33
(1,3909)	1:A:82:ASN:HB2	1:A:77:PHE:HB3	18	1.33
(2,146)	1:B:15:GLU:HG2	1:B:11:GLU:HG2	3	1.32
(2,146)	1:B:15:GLU:HG2	1:B:11:GLU:HG2	17	1.32
(2,145)	1:A:15:GLU:HG2	1:A:11:GLU:HG2	3	1.32
(2,145)	1:A:15:GLU:HG2	1:A:11:GLU:HG2	20	1.32
(1,994)	1:B:21:PHE:HB2	1:B:22:GLN:HA	13	1.32
(1,993)	1:A:21:PHE:HB2	1:A:22:GLN:HA	9	1.32
(1,993)	1:A:21:PHE:HB2	1:A:22:GLN:HA	13	1.32
(1,716)	1:B:76:ASP:HA	1:B:77:PHE:HB2	5	1.32
(1,715)	1:A:76:ASP:HA	1:A:77:PHE:HB2	5	1.32
(1,3910)	1:B:82:ASN:HB2	1:B:75:LEU:HB2	3	1.32
(1,3910)	1:B:82:ASN:HB2	1:B:77:PHE:HB3	3	1.32
(1,3910)	1:B:82:ASN:HB2	1:B:75:LEU:HB2	7	1.32
(1,3910)	1:B:82:ASN:HB2	1:B:77:PHE:HB3	7	1.32
(1,3909)	1:A:82:ASN:HB2	1:A:75:LEU:HB2	7	1.32
(1,3909)	1:A:82:ASN:HB2	1:A:77:PHE:HB3	7	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,60)	1:B:42:PHE:HB3	1:B:24:TYR:H	15	1.31
(2,59)	1:A:42:PHE:HB3	1:A:24:TYR:H	15	1.31
(2,147)	1:A:89:MET:HG2	1:A:93:ASP:HB3	7	1.31
(2,146)	1:B:15:GLU:HG2	1:B:11:GLU:HG2	2	1.31
(2,146)	1:B:15:GLU:HG2	1:B:11:GLU:HG2	20	1.31
(2,145)	1:A:15:GLU:HG2	1:A:11:GLU:HG2	2	1.31
(2,143)	1:A:89:MET:HG2	1:A:93:ASP:HB3	7	1.31
(2,129)	1:A:89:MET:HG2	1:A:93:ASP:HB3	7	1.31
(1,994)	1:B:21:PHE:HB2	1:B:22:GLN:HA	9	1.31
(1,716)	1:B:76:ASP:HA	1:B:77:PHE:HB2	13	1.31
(1,715)	1:A:76:ASP:HA	1:A:77:PHE:HB2	13	1.31
(1,636)	1:B:62:ARG:HG2	1:B:61:ASP:HB2	15	1.31
(1,3910)	1:B:82:ASN:HB2	1:B:75:LEU:HB2	12	1.31
(1,3910)	1:B:82:ASN:HB2	1:B:77:PHE:HB3	12	1.31
(1,3909)	1:A:82:ASN:HB2	1:A:75:LEU:HB2	3	1.31
(1,3909)	1:A:82:ASN:HB2	1:A:77:PHE:HB3	3	1.31
(1,3909)	1:A:82:ASN:HB2	1:A:75:LEU:HB2	12	1.31
(1,3909)	1:A:82:ASN:HB2	1:A:77:PHE:HB3	12	1.31
(1,182)	1:B:39:PHE:HB3	1:B:34:LEU:HA	6	1.31
(1,181)	1:A:39:PHE:HB3	1:A:34:LEU:HA	6	1.31
(2,148)	1:B:89:MET:HG2	1:B:93:ASP:HB3	7	1.3
(2,144)	1:B:89:MET:HG2	1:B:93:ASP:HB3	7	1.3
(2,130)	1:B:89:MET:HG2	1:B:93:ASP:HB3	7	1.3
(1,994)	1:B:21:PHE:HB2	1:B:22:GLN:HA	2	1.3
(1,994)	1:B:21:PHE:HB2	1:B:22:GLN:HA	7	1.3
(1,994)	1:B:21:PHE:HB2	1:B:22:GLN:HA	12	1.3
(1,993)	1:A:21:PHE:HB2	1:A:22:GLN:HA	2	1.3
(1,993)	1:A:21:PHE:HB2	1:A:22:GLN:HA	7	1.3
(1,993)	1:A:21:PHE:HB2	1:A:22:GLN:HA	12	1.3
(1,716)	1:B:76:ASP:HA	1:B:77:PHE:HB2	19	1.3
(1,715)	1:A:76:ASP:HA	1:A:77:PHE:HB2	19	1.3
(1,635)	1:A:62:ARG:HG2	1:A:61:ASP:HB2	15	1.3
(1,140)	1:B:58:GLY:HA3	1:B:36:LYS:HE2	5	1.3
(1,140)	1:B:58:GLY:HA3	1:B:36:LYS:HE3	5	1.3
(1,140)	1:B:58:GLY:HA3	1:B:36:LYS:HE2	13	1.3
(1,140)	1:B:58:GLY:HA3	1:B:36:LYS:HE3	13	1.3
(1,139)	1:A:58:GLY:HA3	1:A:36:LYS:HE2	5	1.3
(1,139)	1:A:58:GLY:HA3	1:A:36:LYS:HE3	5	1.3
(1,139)	1:A:58:GLY:HA3	1:A:36:LYS:HE2	13	1.3
(1,139)	1:A:58:GLY:HA3	1:A:36:LYS:HE3	13	1.3
(2,60)	1:B:42:PHE:HB3	1:B:24:TYR:H	16	1.29
(2,59)	1:A:42:PHE:HB3	1:A:24:TYR:H	16	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3910)	1:B:82:ASN:HB2	1:B:75:LEU:HB2	14	1.29
(1,3910)	1:B:82:ASN:HB2	1:B:77:PHE:HB3	14	1.29
(1,3909)	1:A:82:ASN:HB2	1:A:75:LEU:HB2	14	1.29
(1,3909)	1:A:82:ASN:HB2	1:A:77:PHE:HB3	14	1.29
(1,139)	1:A:58:GLY:HA3	1:A:36:LYS:HE2	4	1.29
(1,139)	1:A:58:GLY:HA3	1:A:36:LYS:HE3	4	1.29
(1,828)	1:B:40:LEU:HA	1:B:39:PHE:HB2	4	1.28
(1,827)	1:A:40:LEU:HA	1:A:39:PHE:HB2	4	1.28
(1,485)	1:A:59:VAL:H	1:A:62:ARG:HG2	2	1.28
(1,320)	1:B:74:GLN:HB3	1:B:76:ASP:HB3	16	1.28
(1,319)	1:A:74:GLN:HB3	1:A:76:ASP:HB3	16	1.28
(1,224)	1:B:34:LEU:HB2	1:B:39:PHE:HB3	6	1.28
(1,223)	1:A:34:LEU:HB2	1:A:39:PHE:HB3	6	1.28
(1,140)	1:B:58:GLY:HA3	1:B:36:LYS:HE2	4	1.28
(1,140)	1:B:58:GLY:HA3	1:B:36:LYS:HE3	4	1.28
(1,140)	1:B:58:GLY:HA3	1:B:36:LYS:HE2	19	1.28
(1,140)	1:B:58:GLY:HA3	1:B:36:LYS:HE3	19	1.28
(1,139)	1:A:58:GLY:HA3	1:A:36:LYS:HE2	19	1.28
(1,139)	1:A:58:GLY:HA3	1:A:36:LYS:HE3	19	1.28
(2,60)	1:B:42:PHE:HB3	1:B:24:TYR:H	9	1.27
(2,59)	1:A:42:PHE:HB3	1:A:24:TYR:H	9	1.27
(1,994)	1:B:21:PHE:HB2	1:B:22:GLN:HA	11	1.27
(1,994)	1:B:21:PHE:HB2	1:B:22:GLN:HA	14	1.27
(1,994)	1:B:21:PHE:HB2	1:B:22:GLN:HA	16	1.27
(1,993)	1:A:21:PHE:HB2	1:A:22:GLN:HA	11	1.27
(1,993)	1:A:21:PHE:HB2	1:A:22:GLN:HA	14	1.27
(1,993)	1:A:21:PHE:HB2	1:A:22:GLN:HA	16	1.27
(1,828)	1:B:40:LEU:HA	1:B:39:PHE:HB2	8	1.27
(1,827)	1:A:40:LEU:HA	1:A:39:PHE:HB2	8	1.27
(1,636)	1:B:62:ARG:HG2	1:B:61:ASP:HB2	13	1.27
(1,486)	1:B:59:VAL:H	1:B:62:ARG:HG2	2	1.27
(1,486)	1:B:59:VAL:H	1:B:62:ARG:HG2	12	1.27
(1,3910)	1:B:82:ASN:HB2	1:B:75:LEU:HB2	8	1.27
(1,3910)	1:B:82:ASN:HB2	1:B:77:PHE:HB3	8	1.27
(1,3909)	1:A:82:ASN:HB2	1:A:75:LEU:HB2	8	1.27
(1,3909)	1:A:82:ASN:HB2	1:A:77:PHE:HB3	8	1.27
(1,182)	1:B:39:PHE:HB3	1:B:34:LEU:HA	3	1.27
(1,181)	1:A:39:PHE:HB3	1:A:34:LEU:HA	3	1.27
(1,1628)	1:B:24:TYR:HB3	1:B:42:PHE:HB3	15	1.27
(1,1627)	1:A:24:TYR:HB3	1:A:42:PHE:HB3	15	1.27
(2,146)	1:B:15:GLU:HG2	1:B:11:GLU:HG2	10	1.26
(2,145)	1:A:15:GLU:HG2	1:A:11:GLU:HG2	10	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,145)	1:A:15:GLU:HG2	1:A:11:GLU:HG2	15	1.26
(1,994)	1:B:21:PHE:HB2	1:B:22:GLN:HA	3	1.26
(1,993)	1:A:21:PHE:HB2	1:A:22:GLN:HA	3	1.26
(1,828)	1:B:40:LEU:HA	1:B:39:PHE:HB2	3	1.26
(1,827)	1:A:40:LEU:HA	1:A:39:PHE:HB2	3	1.26
(1,635)	1:A:62:ARG:HG2	1:A:61:ASP:HB2	13	1.26
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG22	16	1.26
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG21	16	1.26
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG23	16	1.26
(1,486)	1:B:59:VAL:H	1:B:62:ARG:HG2	13	1.26
(1,485)	1:A:59:VAL:H	1:A:62:ARG:HG2	3	1.26
(1,485)	1:A:59:VAL:H	1:A:62:ARG:HG2	12	1.26
(1,485)	1:A:59:VAL:H	1:A:62:ARG:HG2	13	1.26
(2,60)	1:B:42:PHE:HB3	1:B:24:TYR:H	2	1.25
(2,59)	1:A:42:PHE:HB3	1:A:24:TYR:H	2	1.25
(2,146)	1:B:15:GLU:HG2	1:B:11:GLU:HG2	15	1.25
(2,145)	1:A:15:GLU:HG2	1:A:11:GLU:HG2	1	1.25
(1,994)	1:B:21:PHE:HB2	1:B:22:GLN:HA	4	1.25
(1,994)	1:B:21:PHE:HB2	1:B:22:GLN:HA	8	1.25
(1,993)	1:A:21:PHE:HB2	1:A:22:GLN:HA	4	1.25
(1,993)	1:A:21:PHE:HB2	1:A:22:GLN:HA	8	1.25
(1,828)	1:B:40:LEU:HA	1:B:39:PHE:HB2	1	1.25
(1,827)	1:A:40:LEU:HA	1:A:39:PHE:HB2	1	1.25
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG22	16	1.25
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG21	16	1.25
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG23	16	1.25
(1,486)	1:B:59:VAL:H	1:B:62:ARG:HG2	3	1.25
(1,486)	1:B:59:VAL:H	1:B:62:ARG:HG2	4	1.25
(1,485)	1:A:59:VAL:H	1:A:62:ARG:HG2	4	1.25
(1,3910)	1:B:82:ASN:HB2	1:B:75:LEU:HB2	17	1.25
(1,3910)	1:B:82:ASN:HB2	1:B:77:PHE:HB3	17	1.25
(1,3909)	1:A:82:ASN:HB2	1:A:75:LEU:HB2	17	1.25
(1,3909)	1:A:82:ASN:HB2	1:A:77:PHE:HB3	17	1.25
(1,224)	1:B:34:LEU:HB2	1:B:39:PHE:HB3	3	1.25
(1,223)	1:A:34:LEU:HB2	1:A:39:PHE:HB3	3	1.25
(2,60)	1:B:42:PHE:HB3	1:B:24:TYR:H	5	1.24
(2,60)	1:B:42:PHE:HB3	1:B:24:TYR:H	8	1.24
(2,59)	1:A:42:PHE:HB3	1:A:24:TYR:H	5	1.24
(2,59)	1:A:42:PHE:HB3	1:A:24:TYR:H	8	1.24
(2,148)	1:B:89:MET:HG2	1:B:93:ASP:HB3	17	1.24
(2,146)	1:B:15:GLU:HG2	1:B:11:GLU:HG2	1	1.24
(2,146)	1:B:15:GLU:HG2	1:B:11:GLU:HG2	12	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,145)	1:A:15:GLU:HG2	1:A:11:GLU:HG2	12	1.24
(2,144)	1:B:89:MET:HG2	1:B:93:ASP:HB3	17	1.24
(2,130)	1:B:89:MET:HG2	1:B:93:ASP:HB3	17	1.24
(1,994)	1:B:21:PHE:HB2	1:B:22:GLN:HA	5	1.24
(1,994)	1:B:21:PHE:HB2	1:B:22:GLN:HA	17	1.24
(1,993)	1:A:21:PHE:HB2	1:A:22:GLN:HA	5	1.24
(1,993)	1:A:21:PHE:HB2	1:A:22:GLN:HA	17	1.24
(1,828)	1:B:40:LEU:HA	1:B:39:PHE:HB2	2	1.24
(1,828)	1:B:40:LEU:HA	1:B:39:PHE:HB2	13	1.24
(1,827)	1:A:40:LEU:HA	1:A:39:PHE:HB2	2	1.24
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG22	12	1.24
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG21	12	1.24
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG23	12	1.24
(1,486)	1:B:59:VAL:H	1:B:62:ARG:HG2	5	1.24
(1,486)	1:B:59:VAL:H	1:B:62:ARG:HG2	6	1.24
(1,486)	1:B:59:VAL:H	1:B:62:ARG:HG2	11	1.24
(1,485)	1:A:59:VAL:H	1:A:62:ARG:HG2	6	1.24
(1,286)	1:B:75:LEU:HB3	1:B:39:PHE:HB3	7	1.24
(1,285)	1:A:75:LEU:HB3	1:A:39:PHE:HB3	7	1.24
(1,1596)	1:B:84:ILE:HB	1:B:81:LEU:HB2	15	1.24
(1,1595)	1:A:84:ILE:HB	1:A:81:LEU:HB2	15	1.24
(2,60)	1:B:42:PHE:HB3	1:B:24:TYR:H	7	1.23
(2,59)	1:A:42:PHE:HB3	1:A:24:TYR:H	7	1.23
(2,147)	1:A:89:MET:HG2	1:A:93:ASP:HB3	3	1.23
(2,147)	1:A:89:MET:HG2	1:A:93:ASP:HB3	17	1.23
(2,146)	1:B:15:GLU:HG2	1:B:11:GLU:HG2	7	1.23
(2,145)	1:A:15:GLU:HG2	1:A:11:GLU:HG2	7	1.23
(2,143)	1:A:89:MET:HG2	1:A:93:ASP:HB3	3	1.23
(2,143)	1:A:89:MET:HG2	1:A:93:ASP:HB3	17	1.23
(2,129)	1:A:89:MET:HG2	1:A:93:ASP:HB3	3	1.23
(2,129)	1:A:89:MET:HG2	1:A:93:ASP:HB3	17	1.23
(1,828)	1:B:40:LEU:HA	1:B:39:PHE:HB2	18	1.23
(1,827)	1:A:40:LEU:HA	1:A:39:PHE:HB2	13	1.23
(1,827)	1:A:40:LEU:HA	1:A:39:PHE:HB2	18	1.23
(1,636)	1:B:62:ARG:HG2	1:B:61:ASP:HB2	18	1.23
(1,635)	1:A:62:ARG:HG2	1:A:61:ASP:HB2	18	1.23
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG22	12	1.23
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG21	12	1.23
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG23	12	1.23
(1,486)	1:B:59:VAL:H	1:B:62:ARG:HG2	1	1.23
(1,486)	1:B:59:VAL:H	1:B:62:ARG:HG2	18	1.23
(1,485)	1:A:59:VAL:H	1:A:62:ARG:HG2	1	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,485)	1:A:59:VAL:H	1:A:62:ARG:HG2	5	1.23
(1,485)	1:A:59:VAL:H	1:A:62:ARG:HG2	11	1.23
(1,485)	1:A:59:VAL:H	1:A:62:ARG:HG2	14	1.23
(1,485)	1:A:59:VAL:H	1:A:62:ARG:HG2	18	1.23
(1,358)	1:B:73:GLY:HA2	1:B:72:ASP:HB2	19	1.23
(1,357)	1:A:73:GLY:HA2	1:A:72:ASP:HB2	19	1.23
(2,148)	1:B:89:MET:HG2	1:B:93:ASP:HB3	3	1.22
(2,144)	1:B:89:MET:HG2	1:B:93:ASP:HB3	3	1.22
(2,130)	1:B:89:MET:HG2	1:B:93:ASP:HB3	3	1.22
(1,827)	1:A:40:LEU:HA	1:A:39:PHE:HB2	6	1.22
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG22	1	1.22
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG21	1	1.22
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG23	1	1.22
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG22	11	1.22
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG21	11	1.22
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG23	11	1.22
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG22	11	1.22
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG21	11	1.22
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG23	11	1.22
(1,486)	1:B:59:VAL:H	1:B:62:ARG:HG2	14	1.22
(1,4294)	1:B:27:LYS:HB3	1:B:28:ASP:HB3	20	1.22
(1,4294)	1:B:7:PRO:HB3	1:B:11:GLU:HG2	20	1.22
(1,4294)	1:B:23:LYS:HB2	1:B:24:TYR:HB3	20	1.22
(1,4293)	1:A:27:LYS:HB3	1:A:28:ASP:HB3	20	1.22
(1,4293)	1:A:7:PRO:HB3	1:A:11:GLU:HG2	20	1.22
(1,4293)	1:A:23:LYS:HB2	1:A:24:TYR:HB3	20	1.22
(1,412)	1:B:62:ARG:HD2	1:B:59:VAL:HG12	20	1.22
(1,412)	1:B:62:ARG:HD2	1:B:59:VAL:HG11	20	1.22
(1,412)	1:B:62:ARG:HD2	1:B:59:VAL:HG13	20	1.22
(1,411)	1:A:62:ARG:HD2	1:A:59:VAL:HG12	20	1.22
(1,411)	1:A:62:ARG:HD2	1:A:59:VAL:HG11	20	1.22
(1,411)	1:A:62:ARG:HD2	1:A:59:VAL:HG13	20	1.22
(1,357)	1:A:73:GLY:HA2	1:A:72:ASP:HB2	1	1.22
(2,147)	1:A:89:MET:HG2	1:A:93:ASP:HB3	13	1.21
(2,147)	1:A:89:MET:HG2	1:A:93:ASP:HB3	18	1.21
(2,146)	1:B:15:GLU:HG2	1:B:11:GLU:HG2	5	1.21
(2,145)	1:A:15:GLU:HG2	1:A:11:GLU:HG2	5	1.21
(2,143)	1:A:89:MET:HG2	1:A:93:ASP:HB3	13	1.21
(2,143)	1:A:89:MET:HG2	1:A:93:ASP:HB3	18	1.21
(2,129)	1:A:89:MET:HG2	1:A:93:ASP:HB3	13	1.21
(2,129)	1:A:89:MET:HG2	1:A:93:ASP:HB3	18	1.21
(1,994)	1:B:21:PHE:HB2	1:B:22:GLN:HA	1	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,993)	1:A:21:PHE:HB2	1:A:22:GLN:HA	1	1.21
(1,828)	1:B:40:LEU:HA	1:B:39:PHE:HB2	6	1.21
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG22	1	1.21
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG21	1	1.21
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG23	1	1.21
(1,486)	1:B:59:VAL:H	1:B:62:ARG:HG2	7	1.21
(1,486)	1:B:59:VAL:H	1:B:62:ARG:HG2	8	1.21
(1,486)	1:B:59:VAL:H	1:B:62:ARG:HG2	15	1.21
(1,485)	1:A:59:VAL:H	1:A:62:ARG:HG2	15	1.21
(1,358)	1:B:73:GLY:HA2	1:B:72:ASP:HB2	1	1.21
(1,358)	1:B:73:GLY:HA2	1:B:72:ASP:HB2	3	1.21
(1,358)	1:B:73:GLY:HA2	1:B:72:ASP:HB2	14	1.21
(1,358)	1:B:73:GLY:HA2	1:B:72:ASP:HB2	16	1.21
(1,358)	1:B:73:GLY:HA2	1:B:72:ASP:HB2	17	1.21
(1,357)	1:A:73:GLY:HA2	1:A:72:ASP:HB2	3	1.21
(1,357)	1:A:73:GLY:HA2	1:A:72:ASP:HB2	14	1.21
(1,357)	1:A:73:GLY:HA2	1:A:72:ASP:HB2	16	1.21
(1,357)	1:A:73:GLY:HA2	1:A:72:ASP:HB2	17	1.21
(1,268)	1:B:75:LEU:HB3	1:B:39:PHE:HB3	7	1.21
(1,267)	1:A:75:LEU:HB3	1:A:39:PHE:HB3	7	1.21
(1,1596)	1:B:84:ILE:HB	1:B:81:LEU:HB2	4	1.21
(1,1596)	1:B:84:ILE:HB	1:B:81:LEU:HB2	6	1.21
(1,1595)	1:A:84:ILE:HB	1:A:81:LEU:HB2	6	1.21
(1,140)	1:B:58:GLY:HA3	1:B:36:LYS:HE2	20	1.21
(1,140)	1:B:58:GLY:HA3	1:B:36:LYS:HE3	20	1.21
(1,139)	1:A:58:GLY:HA3	1:A:36:LYS:HE2	20	1.21
(1,139)	1:A:58:GLY:HA3	1:A:36:LYS:HE3	20	1.21
(2,148)	1:B:89:MET:HG2	1:B:93:ASP:HB3	18	1.2
(2,144)	1:B:89:MET:HG2	1:B:93:ASP:HB3	18	1.2
(2,130)	1:B:89:MET:HG2	1:B:93:ASP:HB3	18	1.2
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG22	20	1.2
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG21	20	1.2
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG23	20	1.2
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG22	9	1.2
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG21	9	1.2
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG23	9	1.2
(1,486)	1:B:59:VAL:H	1:B:62:ARG:HG2	16	1.2
(1,486)	1:B:59:VAL:H	1:B:62:ARG:HG2	17	1.2
(1,485)	1:A:59:VAL:H	1:A:62:ARG:HG2	7	1.2
(1,485)	1:A:59:VAL:H	1:A:62:ARG:HG2	8	1.2
(1,485)	1:A:59:VAL:H	1:A:62:ARG:HG2	16	1.2
(1,358)	1:B:73:GLY:HA2	1:B:72:ASP:HB2	5	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,358)	1:B:73:GLY:HA2	1:B:72:ASP:HB2	6	1.2
(1,357)	1:A:73:GLY:HA2	1:A:72:ASP:HB2	5	1.2
(1,357)	1:A:73:GLY:HA2	1:A:72:ASP:HB2	6	1.2
(1,2138)	1:B:47:LEU:HB2	1:B:50:PHE:HB2	10	1.2
(1,2138)	1:B:47:LEU:HB2	1:B:50:PHE:HB3	10	1.2
(1,2137)	1:A:47:LEU:HB2	1:A:50:PHE:HB2	10	1.2
(1,2137)	1:A:47:LEU:HB2	1:A:50:PHE:HB3	10	1.2
(1,1595)	1:A:84:ILE:HB	1:A:81:LEU:HB2	4	1.2
(2,148)	1:B:89:MET:HG2	1:B:93:ASP:HB3	13	1.19
(2,148)	1:B:89:MET:HG2	1:B:93:ASP:HB3	16	1.19
(2,147)	1:A:89:MET:HG2	1:A:93:ASP:HB3	16	1.19
(2,147)	1:A:89:MET:HG2	1:A:93:ASP:HB3	20	1.19
(2,144)	1:B:89:MET:HG2	1:B:93:ASP:HB3	13	1.19
(2,144)	1:B:89:MET:HG2	1:B:93:ASP:HB3	16	1.19
(2,143)	1:A:89:MET:HG2	1:A:93:ASP:HB3	16	1.19
(2,143)	1:A:89:MET:HG2	1:A:93:ASP:HB3	20	1.19
(2,130)	1:B:89:MET:HG2	1:B:93:ASP:HB3	13	1.19
(2,130)	1:B:89:MET:HG2	1:B:93:ASP:HB3	16	1.19
(2,129)	1:A:89:MET:HG2	1:A:93:ASP:HB3	16	1.19
(2,129)	1:A:89:MET:HG2	1:A:93:ASP:HB3	20	1.19
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG22	9	1.19
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG21	9	1.19
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG23	9	1.19
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG22	10	1.19
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG21	10	1.19
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG23	10	1.19
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG22	19	1.19
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG21	19	1.19
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG23	19	1.19
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG22	10	1.19
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG21	10	1.19
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG23	10	1.19
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG22	19	1.19
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG21	19	1.19
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG23	19	1.19
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG22	20	1.19
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG21	20	1.19
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG23	20	1.19
(1,485)	1:A:59:VAL:H	1:A:62:ARG:HG2	17	1.19
(1,4294)	1:B:27:LYS:HB3	1:B:28:ASP:HB3	7	1.19
(1,4294)	1:B:7:PRO:HB3	1:B:11:GLU:HG2	7	1.19
(1,4294)	1:B:23:LYS:HB2	1:B:24:TYR:HB3	7	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,358)	1:B:73:GLY:HA2	1:B:72:ASP:HB2	7	1.19
(1,358)	1:B:73:GLY:HA2	1:B:72:ASP:HB2	20	1.19
(1,357)	1:A:73:GLY:HA2	1:A:72:ASP:HB2	7	1.19
(1,357)	1:A:73:GLY:HA2	1:A:72:ASP:HB2	20	1.19
(1,1596)	1:B:84:ILE:HB	1:B:81:LEU:HB2	12	1.19
(1,1596)	1:B:84:ILE:HB	1:B:81:LEU:HB2	13	1.19
(1,1595)	1:A:84:ILE:HB	1:A:81:LEU:HB2	12	1.19
(1,1595)	1:A:84:ILE:HB	1:A:81:LEU:HB2	13	1.19
(1,140)	1:B:58:GLY:HA3	1:B:36:LYS:HE2	14	1.19
(1,140)	1:B:58:GLY:HA3	1:B:36:LYS:HE3	14	1.19
(1,139)	1:A:58:GLY:HA3	1:A:36:LYS:HE2	14	1.19
(1,139)	1:A:58:GLY:HA3	1:A:36:LYS:HE3	14	1.19
(2,60)	1:B:42:PHE:HB3	1:B:24:TYR:H	14	1.18
(2,59)	1:A:42:PHE:HB3	1:A:24:TYR:H	14	1.18
(2,148)	1:B:89:MET:HG2	1:B:93:ASP:HB3	15	1.18
(2,148)	1:B:89:MET:HG2	1:B:93:ASP:HB3	20	1.18
(2,147)	1:A:89:MET:HG2	1:A:93:ASP:HB3	15	1.18
(2,146)	1:B:15:GLU:HG2	1:B:11:GLU:HG2	4	1.18
(2,145)	1:A:15:GLU:HG2	1:A:11:GLU:HG2	4	1.18
(2,144)	1:B:89:MET:HG2	1:B:93:ASP:HB3	15	1.18
(2,144)	1:B:89:MET:HG2	1:B:93:ASP:HB3	20	1.18
(2,143)	1:A:89:MET:HG2	1:A:93:ASP:HB3	15	1.18
(2,130)	1:B:89:MET:HG2	1:B:93:ASP:HB3	15	1.18
(2,130)	1:B:89:MET:HG2	1:B:93:ASP:HB3	20	1.18
(2,129)	1:A:89:MET:HG2	1:A:93:ASP:HB3	15	1.18
(1,4294)	1:B:27:LYS:HB3	1:B:28:ASP:HB3	18	1.18
(1,4294)	1:B:7:PRO:HB3	1:B:11:GLU:HG2	18	1.18
(1,4294)	1:B:23:LYS:HB2	1:B:24:TYR:HB3	18	1.18
(1,4293)	1:A:27:LYS:HB3	1:A:28:ASP:HB3	7	1.18
(1,4293)	1:A:7:PRO:HB3	1:A:11:GLU:HG2	7	1.18
(1,4293)	1:A:23:LYS:HB2	1:A:24:TYR:HB3	7	1.18
(1,4293)	1:A:27:LYS:HB3	1:A:28:ASP:HB3	18	1.18
(1,4293)	1:A:7:PRO:HB3	1:A:11:GLU:HG2	18	1.18
(1,4293)	1:A:23:LYS:HB2	1:A:24:TYR:HB3	18	1.18
(1,358)	1:B:73:GLY:HA2	1:B:72:ASP:HB2	10	1.18
(1,357)	1:A:73:GLY:HA2	1:A:72:ASP:HB2	10	1.18
(2,146)	1:B:15:GLU:HG2	1:B:11:GLU:HG2	11	1.17
(2,145)	1:A:15:GLU:HG2	1:A:11:GLU:HG2	11	1.17
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG22	3	1.17
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG21	3	1.17
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG23	3	1.17
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG22	14	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG21	14	1.17
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG23	14	1.17
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG22	3	1.17
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG21	3	1.17
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG23	3	1.17
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG22	14	1.17
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG21	14	1.17
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG23	14	1.17
(1,358)	1:B:73:GLY:HA2	1:B:72:ASP:HB2	2	1.17
(1,358)	1:B:73:GLY:HA2	1:B:72:ASP:HB2	11	1.17
(1,357)	1:A:73:GLY:HA2	1:A:72:ASP:HB2	9	1.17
(1,357)	1:A:73:GLY:HA2	1:A:72:ASP:HB2	11	1.17
(1,2138)	1:B:47:LEU:HB2	1:B:50:PHE:HB2	2	1.17
(1,2138)	1:B:47:LEU:HB2	1:B:50:PHE:HB3	2	1.17
(1,2138)	1:B:47:LEU:HB2	1:B:50:PHE:HB2	17	1.17
(1,2138)	1:B:47:LEU:HB2	1:B:50:PHE:HB3	17	1.17
(1,2137)	1:A:47:LEU:HB2	1:A:50:PHE:HB2	2	1.17
(1,2137)	1:A:47:LEU:HB2	1:A:50:PHE:HB3	2	1.17
(1,1596)	1:B:84:ILE:HB	1:B:81:LEU:HB2	1	1.17
(1,1596)	1:B:84:ILE:HB	1:B:81:LEU:HB2	14	1.17
(1,1596)	1:B:84:ILE:HB	1:B:81:LEU:HB2	16	1.17
(1,1596)	1:B:84:ILE:HB	1:B:81:LEU:HB2	18	1.17
(1,1595)	1:A:84:ILE:HB	1:A:81:LEU:HB2	1	1.17
(1,1595)	1:A:84:ILE:HB	1:A:81:LEU:HB2	14	1.17
(1,1595)	1:A:84:ILE:HB	1:A:81:LEU:HB2	16	1.17
(1,1595)	1:A:84:ILE:HB	1:A:81:LEU:HB2	18	1.17
(1,827)	1:A:40:LEU:HA	1:A:39:PHE:HB2	17	1.16
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG22	5	1.16
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG21	5	1.16
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG23	5	1.16
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG22	4	1.16
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG21	4	1.16
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG23	4	1.16
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG22	5	1.16
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG21	5	1.16
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG23	5	1.16
(1,3910)	1:B:82:ASN:HB2	1:B:75:LEU:HB2	1	1.16
(1,3910)	1:B:82:ASN:HB2	1:B:77:PHE:HB3	1	1.16
(1,3909)	1:A:82:ASN:HB2	1:A:75:LEU:HB2	1	1.16
(1,3909)	1:A:82:ASN:HB2	1:A:77:PHE:HB3	1	1.16
(1,358)	1:B:73:GLY:HA2	1:B:72:ASP:HB2	8	1.16
(1,358)	1:B:73:GLY:HA2	1:B:72:ASP:HB2	9	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,357)	1:A:73:GLY:HA2	1:A:72:ASP:HB2	2	1.16
(1,223)	1:A:34:LEU:HB2	1:A:39:PHE:HB3	7	1.16
(1,2138)	1:B:47:LEU:HB2	1:B:50:PHE:HB2	16	1.16
(1,2138)	1:B:47:LEU:HB2	1:B:50:PHE:HB3	16	1.16
(1,2137)	1:A:47:LEU:HB2	1:A:50:PHE:HB2	16	1.16
(1,2137)	1:A:47:LEU:HB2	1:A:50:PHE:HB3	16	1.16
(1,2137)	1:A:47:LEU:HB2	1:A:50:PHE:HB2	17	1.16
(1,2137)	1:A:47:LEU:HB2	1:A:50:PHE:HB3	17	1.16
(1,1628)	1:B:24:TYR:HB3	1:B:42:PHE:HB3	6	1.16
(1,1627)	1:A:24:TYR:HB3	1:A:42:PHE:HB3	6	1.16
(1,1596)	1:B:84:ILE:HB	1:B:81:LEU:HB2	10	1.16
(1,1595)	1:A:84:ILE:HB	1:A:81:LEU:HB2	10	1.16
(1,828)	1:B:40:LEU:HA	1:B:39:PHE:HB2	7	1.15
(1,828)	1:B:40:LEU:HA	1:B:39:PHE:HB2	17	1.15
(1,827)	1:A:40:LEU:HA	1:A:39:PHE:HB2	7	1.15
(1,636)	1:B:62:ARG:HG2	1:B:61:ASP:HB2	5	1.15
(1,636)	1:B:62:ARG:HG2	1:B:61:ASP:HB2	12	1.15
(1,635)	1:A:62:ARG:HG2	1:A:61:ASP:HB2	5	1.15
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG22	4	1.15
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG21	4	1.15
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG23	4	1.15
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG22	17	1.15
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG21	17	1.15
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG23	17	1.15
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG22	17	1.15
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG21	17	1.15
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG23	17	1.15
(1,485)	1:A:59:VAL:H	1:A:62:ARG:HG2	9	1.15
(1,4294)	1:B:27:LYS:HB3	1:B:28:ASP:HB3	12	1.15
(1,4294)	1:B:7:PRO:HB3	1:B:11:GLU:HG2	12	1.15
(1,4294)	1:B:23:LYS:HB2	1:B:24:TYR:HB3	12	1.15
(1,4293)	1:A:27:LYS:HB3	1:A:28:ASP:HB3	12	1.15
(1,4293)	1:A:7:PRO:HB3	1:A:11:GLU:HG2	12	1.15
(1,4293)	1:A:23:LYS:HB2	1:A:24:TYR:HB3	12	1.15
(1,358)	1:B:73:GLY:HA2	1:B:72:ASP:HB2	4	1.15
(1,357)	1:A:73:GLY:HA2	1:A:72:ASP:HB2	4	1.15
(1,357)	1:A:73:GLY:HA2	1:A:72:ASP:HB2	8	1.15
(1,224)	1:B:34:LEU:HB2	1:B:39:PHE:HB3	7	1.15
(1,1596)	1:B:84:ILE:HB	1:B:81:LEU:HB2	2	1.15
(1,1596)	1:B:84:ILE:HB	1:B:81:LEU:HB2	3	1.15
(1,1596)	1:B:84:ILE:HB	1:B:81:LEU:HB2	5	1.15
(1,1595)	1:A:84:ILE:HB	1:A:81:LEU:HB2	2	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1595)	1:A:84:ILE:HB	1:A:81:LEU:HB2	5	1.15
(2,148)	1:B:89:MET:HG2	1:B:93:ASP:HB3	2	1.14
(2,147)	1:A:89:MET:HG2	1:A:93:ASP:HB3	2	1.14
(2,144)	1:B:89:MET:HG2	1:B:93:ASP:HB3	2	1.14
(2,143)	1:A:89:MET:HG2	1:A:93:ASP:HB3	2	1.14
(2,130)	1:B:89:MET:HG2	1:B:93:ASP:HB3	2	1.14
(2,129)	1:A:89:MET:HG2	1:A:93:ASP:HB3	2	1.14
(1,635)	1:A:62:ARG:HG2	1:A:61:ASP:HB2	12	1.14
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG22	15	1.14
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG21	15	1.14
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG23	15	1.14
(1,486)	1:B:59:VAL:H	1:B:62:ARG:HG2	9	1.14
(1,358)	1:B:73:GLY:HA2	1:B:72:ASP:HB2	15	1.14
(1,357)	1:A:73:GLY:HA2	1:A:72:ASP:HB2	15	1.14
(1,224)	1:B:34:LEU:HB2	1:B:39:PHE:HB3	4	1.14
(1,223)	1:A:34:LEU:HB2	1:A:39:PHE:HB3	4	1.14
(1,1596)	1:B:84:ILE:HB	1:B:81:LEU:HB2	8	1.14
(1,1595)	1:A:84:ILE:HB	1:A:81:LEU:HB2	3	1.14
(1,1595)	1:A:84:ILE:HB	1:A:81:LEU:HB2	8	1.14
(2,148)	1:B:89:MET:HG2	1:B:93:ASP:HB3	11	1.13
(2,144)	1:B:89:MET:HG2	1:B:93:ASP:HB3	11	1.13
(2,130)	1:B:89:MET:HG2	1:B:93:ASP:HB3	11	1.13
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG22	15	1.13
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG21	15	1.13
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG23	15	1.13
(1,4294)	1:B:27:LYS:HB3	1:B:28:ASP:HB3	15	1.13
(1,4294)	1:B:7:PRO:HB3	1:B:11:GLU:HG2	15	1.13
(1,4294)	1:B:23:LYS:HB2	1:B:24:TYR:HB3	15	1.13
(1,4293)	1:A:27:LYS:HB3	1:A:28:ASP:HB3	15	1.13
(1,4293)	1:A:7:PRO:HB3	1:A:11:GLU:HG2	15	1.13
(1,4293)	1:A:23:LYS:HB2	1:A:24:TYR:HB3	15	1.13
(1,1596)	1:B:84:ILE:HB	1:B:81:LEU:HB2	7	1.13
(1,1595)	1:A:84:ILE:HB	1:A:81:LEU:HB2	7	1.13
(1,140)	1:B:58:GLY:HA3	1:B:36:LYS:HE2	1	1.13
(1,140)	1:B:58:GLY:HA3	1:B:36:LYS:HE3	1	1.13
(1,139)	1:A:58:GLY:HA3	1:A:36:LYS:HE2	1	1.13
(1,139)	1:A:58:GLY:HA3	1:A:36:LYS:HE3	1	1.13
(2,148)	1:B:89:MET:HG2	1:B:93:ASP:HB3	1	1.12
(2,147)	1:A:89:MET:HG2	1:A:93:ASP:HB3	11	1.12
(2,145)	1:A:15:GLU:HG2	1:A:11:GLU:HG2	6	1.12
(2,144)	1:B:89:MET:HG2	1:B:93:ASP:HB3	1	1.12
(2,143)	1:A:89:MET:HG2	1:A:93:ASP:HB3	11	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,130)	1:B:89:MET:HG2	1:B:93:ASP:HB3	1	1.12
(2,129)	1:A:89:MET:HG2	1:A:93:ASP:HB3	11	1.12
(1,828)	1:B:40:LEU:HA	1:B:39:PHE:HB2	9	1.12
(1,827)	1:A:40:LEU:HA	1:A:39:PHE:HB2	9	1.12
(1,636)	1:B:62:ARG:HG2	1:B:61:ASP:HB2	2	1.12
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG22	7	1.12
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG21	7	1.12
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG23	7	1.12
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG22	13	1.12
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG21	13	1.12
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG23	13	1.12
(1,5416)	1:B:69:THR:H	1:B:74:GLN:HG2	2	1.12
(1,5416)	1:B:69:THR:H	1:B:74:GLN:HG3	2	1.12
(1,5416)	1:B:69:THR:H	1:B:75:LEU:HB2	2	1.12
(1,5416)	1:B:69:THR:H	1:B:74:GLN:HG2	15	1.12
(1,5416)	1:B:69:THR:H	1:B:74:GLN:HG3	15	1.12
(1,5416)	1:B:69:THR:H	1:B:75:LEU:HB2	15	1.12
(1,5415)	1:A:69:THR:H	1:A:74:GLN:HG2	2	1.12
(1,5415)	1:A:69:THR:H	1:A:74:GLN:HG3	2	1.12
(1,5415)	1:A:69:THR:H	1:A:75:LEU:HB2	2	1.12
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG22	13	1.12
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG21	13	1.12
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG23	13	1.12
(1,3674)	1:B:75:LEU:HB3	1:B:21:PHE:HB3	18	1.12
(1,3674)	1:B:75:LEU:HB3	1:B:24:TYR:HB3	18	1.12
(1,3674)	1:B:75:LEU:HB3	1:B:42:PHE:HB3	18	1.12
(1,3674)	1:B:75:LEU:HB3	1:B:63:MET:HB2	18	1.12
(1,3673)	1:A:75:LEU:HB3	1:A:21:PHE:HB3	18	1.12
(1,3673)	1:A:75:LEU:HB3	1:A:24:TYR:HB3	18	1.12
(1,3673)	1:A:75:LEU:HB3	1:A:42:PHE:HB3	18	1.12
(1,3673)	1:A:75:LEU:HB3	1:A:63:MET:HB2	18	1.12
(1,2138)	1:B:47:LEU:HB2	1:B:50:PHE:HB2	14	1.12
(1,2138)	1:B:47:LEU:HB2	1:B:50:PHE:HB3	14	1.12
(1,2137)	1:A:47:LEU:HB2	1:A:50:PHE:HB2	14	1.12
(1,2137)	1:A:47:LEU:HB2	1:A:50:PHE:HB3	14	1.12
(1,1596)	1:B:84:ILE:HB	1:B:81:LEU:HB2	20	1.12
(1,1595)	1:A:84:ILE:HB	1:A:81:LEU:HB2	20	1.12
(1,140)	1:B:58:GLY:HA3	1:B:36:LYS:HE2	17	1.12
(1,140)	1:B:58:GLY:HA3	1:B:36:LYS:HE3	17	1.12
(1,139)	1:A:58:GLY:HA3	1:A:36:LYS:HE2	17	1.12
(1,139)	1:A:58:GLY:HA3	1:A:36:LYS:HE3	17	1.12
(2,148)	1:B:89:MET:HG2	1:B:93:ASP:HB3	6	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,147)	1:A:89:MET:HG2	1:A:93:ASP:HB3	1	1.11
(2,146)	1:B:15:GLU:HG2	1:B:11:GLU:HG2	6	1.11
(2,144)	1:B:89:MET:HG2	1:B:93:ASP:HB3	6	1.11
(2,143)	1:A:89:MET:HG2	1:A:93:ASP:HB3	1	1.11
(2,130)	1:B:89:MET:HG2	1:B:93:ASP:HB3	6	1.11
(2,129)	1:A:89:MET:HG2	1:A:93:ASP:HB3	1	1.11
(1,635)	1:A:62:ARG:HG2	1:A:61:ASP:HB2	2	1.11
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG22	2	1.11
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG21	2	1.11
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG23	2	1.11
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG22	8	1.11
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG21	8	1.11
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG23	8	1.11
(1,5415)	1:A:69:THR:H	1:A:74:GLN:HG2	15	1.11
(1,5415)	1:A:69:THR:H	1:A:74:GLN:HG3	15	1.11
(1,5415)	1:A:69:THR:H	1:A:75:LEU:HB2	15	1.11
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG22	2	1.11
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG21	2	1.11
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG23	2	1.11
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG22	7	1.11
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG21	7	1.11
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG23	7	1.11
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG22	8	1.11
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG21	8	1.11
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG23	8	1.11
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG22	18	1.11
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG21	18	1.11
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG23	18	1.11
(1,1596)	1:B:84:ILE:HB	1:B:81:LEU:HB2	19	1.11
(1,1595)	1:A:84:ILE:HB	1:A:81:LEU:HB2	19	1.11
(2,147)	1:A:89:MET:HG2	1:A:93:ASP:HB3	6	1.1
(2,143)	1:A:89:MET:HG2	1:A:93:ASP:HB3	6	1.1
(2,129)	1:A:89:MET:HG2	1:A:93:ASP:HB3	6	1.1
(1,636)	1:B:62:ARG:HG2	1:B:61:ASP:HB2	3	1.1
(1,635)	1:A:62:ARG:HG2	1:A:61:ASP:HB2	3	1.1
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG22	18	1.1
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG21	18	1.1
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG23	18	1.1
(1,5416)	1:B:69:THR:H	1:B:74:GLN:HG2	3	1.1
(1,5416)	1:B:69:THR:H	1:B:74:GLN:HG3	3	1.1
(1,5416)	1:B:69:THR:H	1:B:75:LEU:HB2	3	1.1
(1,5415)	1:A:69:THR:H	1:A:74:GLN:HG2	3	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5415)	1:A:69:THR:H	1:A:74:GLN:HG3	3	1.1
(1,5415)	1:A:69:THR:H	1:A:75:LEU:HB2	3	1.1
(1,2138)	1:B:47:LEU:HB2	1:B:50:PHE:HB2	20	1.1
(1,2138)	1:B:47:LEU:HB2	1:B:50:PHE:HB3	20	1.1
(1,2137)	1:A:47:LEU:HB2	1:A:50:PHE:HB2	20	1.1
(1,2137)	1:A:47:LEU:HB2	1:A:50:PHE:HB3	20	1.1
(1,1596)	1:B:84:ILE:HB	1:B:81:LEU:HB2	9	1.1
(1,1596)	1:B:84:ILE:HB	1:B:81:LEU:HB2	11	1.1
(1,1595)	1:A:84:ILE:HB	1:A:81:LEU:HB2	9	1.1
(1,1595)	1:A:84:ILE:HB	1:A:81:LEU:HB2	11	1.1
(2,86)	1:B:42:PHE:HB2	1:B:47:LEU:H	19	1.09
(2,85)	1:A:42:PHE:HB2	1:A:47:LEU:H	19	1.09
(2,60)	1:B:42:PHE:HB3	1:B:24:TYR:H	4	1.09
(2,60)	1:B:42:PHE:HB3	1:B:24:TYR:H	11	1.09
(2,59)	1:A:42:PHE:HB3	1:A:24:TYR:H	4	1.09
(2,59)	1:A:42:PHE:HB3	1:A:24:TYR:H	11	1.09
(2,148)	1:B:89:MET:HG2	1:B:93:ASP:HB3	5	1.09
(2,147)	1:A:89:MET:HG2	1:A:93:ASP:HB3	5	1.09
(2,146)	1:B:15:GLU:HG2	1:B:11:GLU:HG2	9	1.09
(2,144)	1:B:89:MET:HG2	1:B:93:ASP:HB3	5	1.09
(2,143)	1:A:89:MET:HG2	1:A:93:ASP:HB3	5	1.09
(2,130)	1:B:89:MET:HG2	1:B:93:ASP:HB3	5	1.09
(2,129)	1:A:89:MET:HG2	1:A:93:ASP:HB3	5	1.09
(1,358)	1:B:73:GLY:HA2	1:B:72:ASP:HB2	13	1.09
(1,357)	1:A:73:GLY:HA2	1:A:72:ASP:HB2	13	1.09
(1,182)	1:B:39:PHE:HB3	1:B:34:LEU:HA	2	1.09
(1,181)	1:A:39:PHE:HB3	1:A:34:LEU:HA	2	1.09
(2,148)	1:B:89:MET:HG2	1:B:93:ASP:HB3	19	1.08
(2,147)	1:A:89:MET:HG2	1:A:93:ASP:HB3	19	1.08
(2,145)	1:A:15:GLU:HG2	1:A:11:GLU:HG2	9	1.08
(2,144)	1:B:89:MET:HG2	1:B:93:ASP:HB3	19	1.08
(2,143)	1:A:89:MET:HG2	1:A:93:ASP:HB3	19	1.08
(2,130)	1:B:89:MET:HG2	1:B:93:ASP:HB3	19	1.08
(2,129)	1:A:89:MET:HG2	1:A:93:ASP:HB3	19	1.08
(1,884)	1:B:34:LEU:HB3	1:B:80:PHE:HB2	15	1.08
(1,883)	1:A:34:LEU:HB3	1:A:80:PHE:HB2	15	1.08
(1,635)	1:A:62:ARG:HG2	1:A:61:ASP:HB2	14	1.08
(1,2138)	1:B:47:LEU:HB2	1:B:50:PHE:HB2	5	1.08
(1,2138)	1:B:47:LEU:HB2	1:B:50:PHE:HB3	5	1.08
(1,2138)	1:B:47:LEU:HB2	1:B:50:PHE:HB2	6	1.08
(1,2138)	1:B:47:LEU:HB2	1:B:50:PHE:HB3	6	1.08
(1,2137)	1:A:47:LEU:HB2	1:A:50:PHE:HB2	5	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2137)	1:A:47:LEU:HB2	1:A:50:PHE:HB3	5	1.08
(1,2137)	1:A:47:LEU:HB2	1:A:50:PHE:HB2	6	1.08
(1,2137)	1:A:47:LEU:HB2	1:A:50:PHE:HB3	6	1.08
(2,86)	1:B:42:PHE:HB2	1:B:47:LEU:H	15	1.07
(2,85)	1:A:42:PHE:HB2	1:A:47:LEU:H	15	1.07
(1,636)	1:B:62:ARG:HG2	1:B:61:ASP:HB2	14	1.07
(1,636)	1:B:62:ARG:HG2	1:B:61:ASP:HB2	17	1.07
(1,624)	1:B:34:LEU:HB2	1:B:38:GLU:HB2	1	1.07
(1,623)	1:A:34:LEU:HB2	1:A:38:GLU:HB2	1	1.07
(1,5416)	1:B:69:THR:H	1:B:74:GLN:HG2	9	1.07
(1,5416)	1:B:69:THR:H	1:B:74:GLN:HG3	9	1.07
(1,5416)	1:B:69:THR:H	1:B:75:LEU:HB2	9	1.07
(1,5416)	1:B:69:THR:H	1:B:74:GLN:HG2	11	1.07
(1,5416)	1:B:69:THR:H	1:B:74:GLN:HG3	11	1.07
(1,5416)	1:B:69:THR:H	1:B:75:LEU:HB2	11	1.07
(1,5415)	1:A:69:THR:H	1:A:74:GLN:HG2	9	1.07
(1,5415)	1:A:69:THR:H	1:A:74:GLN:HG3	9	1.07
(1,5415)	1:A:69:THR:H	1:A:75:LEU:HB2	9	1.07
(1,5415)	1:A:69:THR:H	1:A:74:GLN:HG2	11	1.07
(1,5415)	1:A:69:THR:H	1:A:74:GLN:HG3	11	1.07
(1,5415)	1:A:69:THR:H	1:A:75:LEU:HB2	11	1.07
(1,4294)	1:B:27:LYS:HB3	1:B:28:ASP:HB3	1	1.07
(1,4294)	1:B:7:PRO:HB3	1:B:11:GLU:HG2	1	1.07
(1,4294)	1:B:23:LYS:HB2	1:B:24:TYR:HB3	1	1.07
(1,4293)	1:A:27:LYS:HB3	1:A:28:ASP:HB3	1	1.07
(1,4293)	1:A:7:PRO:HB3	1:A:11:GLU:HG2	1	1.07
(1,4293)	1:A:23:LYS:HB2	1:A:24:TYR:HB3	1	1.07
(1,636)	1:B:62:ARG:HG2	1:B:61:ASP:HB2	7	1.06
(1,635)	1:A:62:ARG:HG2	1:A:61:ASP:HB2	17	1.06
(1,624)	1:B:34:LEU:HB2	1:B:38:GLU:HB2	8	1.06
(1,623)	1:A:34:LEU:HB2	1:A:38:GLU:HB2	8	1.06
(1,5416)	1:B:69:THR:H	1:B:74:GLN:HG2	6	1.06
(1,5416)	1:B:69:THR:H	1:B:74:GLN:HG3	6	1.06
(1,5416)	1:B:69:THR:H	1:B:75:LEU:HB2	6	1.06
(1,5416)	1:B:69:THR:H	1:B:74:GLN:HG2	13	1.06
(1,5416)	1:B:69:THR:H	1:B:74:GLN:HG3	13	1.06
(1,5416)	1:B:69:THR:H	1:B:75:LEU:HB2	13	1.06
(1,5415)	1:A:69:THR:H	1:A:74:GLN:HG2	6	1.06
(1,5415)	1:A:69:THR:H	1:A:74:GLN:HG3	6	1.06
(1,5415)	1:A:69:THR:H	1:A:75:LEU:HB2	6	1.06
(1,5415)	1:A:69:THR:H	1:A:74:GLN:HG2	13	1.06
(1,5415)	1:A:69:THR:H	1:A:74:GLN:HG3	13	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5415)	1:A:69:THR:H	1:A:75:LEU:HB2	13	1.06
(1,3674)	1:B:75:LEU:HB3	1:B:21:PHE:HB3	12	1.06
(1,3674)	1:B:75:LEU:HB3	1:B:24:TYR:HB3	12	1.06
(1,3674)	1:B:75:LEU:HB3	1:B:42:PHE:HB3	12	1.06
(1,3674)	1:B:75:LEU:HB3	1:B:63:MET:HB2	12	1.06
(1,3673)	1:A:75:LEU:HB3	1:A:21:PHE:HB3	12	1.06
(1,3673)	1:A:75:LEU:HB3	1:A:24:TYR:HB3	12	1.06
(1,3673)	1:A:75:LEU:HB3	1:A:42:PHE:HB3	12	1.06
(1,3673)	1:A:75:LEU:HB3	1:A:63:MET:HB2	12	1.06
(1,224)	1:B:34:LEU:HB2	1:B:39:PHE:HB3	1	1.06
(1,223)	1:A:34:LEU:HB2	1:A:39:PHE:HB3	1	1.06
(1,2138)	1:B:47:LEU:HB2	1:B:50:PHE:HB2	3	1.06
(1,2138)	1:B:47:LEU:HB2	1:B:50:PHE:HB3	3	1.06
(1,2138)	1:B:47:LEU:HB2	1:B:50:PHE:HB2	8	1.06
(1,2138)	1:B:47:LEU:HB2	1:B:50:PHE:HB3	8	1.06
(1,2137)	1:A:47:LEU:HB2	1:A:50:PHE:HB2	3	1.06
(1,2137)	1:A:47:LEU:HB2	1:A:50:PHE:HB3	3	1.06
(1,2137)	1:A:47:LEU:HB2	1:A:50:PHE:HB2	8	1.06
(1,2137)	1:A:47:LEU:HB2	1:A:50:PHE:HB3	8	1.06
(1,1628)	1:B:24:TYR:HB3	1:B:42:PHE:HB3	10	1.06
(1,1627)	1:A:24:TYR:HB3	1:A:42:PHE:HB3	10	1.06
(1,636)	1:B:62:ARG:HG2	1:B:61:ASP:HB2	9	1.05
(1,635)	1:A:62:ARG:HG2	1:A:61:ASP:HB2	7	1.05
(1,5416)	1:B:69:THR:H	1:B:74:GLN:HG2	10	1.05
(1,5416)	1:B:69:THR:H	1:B:74:GLN:HG3	10	1.05
(1,5416)	1:B:69:THR:H	1:B:75:LEU:HB2	10	1.05
(1,5416)	1:B:69:THR:H	1:B:74:GLN:HG2	12	1.05
(1,5416)	1:B:69:THR:H	1:B:74:GLN:HG3	12	1.05
(1,5416)	1:B:69:THR:H	1:B:75:LEU:HB2	12	1.05
(1,5416)	1:B:69:THR:H	1:B:74:GLN:HG2	14	1.05
(1,5416)	1:B:69:THR:H	1:B:74:GLN:HG3	14	1.05
(1,5416)	1:B:69:THR:H	1:B:75:LEU:HB2	14	1.05
(1,5415)	1:A:69:THR:H	1:A:74:GLN:HG2	10	1.05
(1,5415)	1:A:69:THR:H	1:A:74:GLN:HG3	10	1.05
(1,5415)	1:A:69:THR:H	1:A:75:LEU:HB2	10	1.05
(1,5415)	1:A:69:THR:H	1:A:74:GLN:HG2	14	1.05
(1,5415)	1:A:69:THR:H	1:A:74:GLN:HG3	14	1.05
(1,5415)	1:A:69:THR:H	1:A:75:LEU:HB2	14	1.05
(1,4294)	1:B:27:LYS:HB3	1:B:28:ASP:HB3	11	1.05
(1,4294)	1:B:7:PRO:HB3	1:B:11:GLU:HG2	11	1.05
(1,4294)	1:B:23:LYS:HB2	1:B:24:TYR:HB3	11	1.05
(1,4293)	1:A:27:LYS:HB3	1:A:28:ASP:HB3	3	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4293)	1:A:7:PRO:HB3	1:A:11:GLU:HG2	3	1.05
(1,4293)	1:A:23:LYS:HB2	1:A:24:TYR:HB3	3	1.05
(1,1628)	1:B:24:TYR:HB3	1:B:42:PHE:HB3	3	1.05
(1,1627)	1:A:24:TYR:HB3	1:A:42:PHE:HB3	3	1.05
(1,635)	1:A:62:ARG:HG2	1:A:61:ASP:HB2	9	1.04
(1,623)	1:A:34:LEU:HB2	1:A:38:GLU:HB2	3	1.04
(1,5415)	1:A:69:THR:H	1:A:74:GLN:HG2	12	1.04
(1,5415)	1:A:69:THR:H	1:A:74:GLN:HG3	12	1.04
(1,5415)	1:A:69:THR:H	1:A:75:LEU:HB2	12	1.04
(1,4294)	1:B:27:LYS:HB3	1:B:28:ASP:HB3	3	1.04
(1,4294)	1:B:7:PRO:HB3	1:B:11:GLU:HG2	3	1.04
(1,4294)	1:B:23:LYS:HB2	1:B:24:TYR:HB3	3	1.04
(1,4293)	1:A:27:LYS:HB3	1:A:28:ASP:HB3	11	1.04
(1,4293)	1:A:7:PRO:HB3	1:A:11:GLU:HG2	11	1.04
(1,4293)	1:A:23:LYS:HB2	1:A:24:TYR:HB3	11	1.04
(1,3448)	1:B:35:SER:HA	1:B:28:ASP:HB3	13	1.04
(1,3448)	1:B:35:SER:HA	1:B:76:ASP:HB3	13	1.04
(1,3447)	1:A:35:SER:HA	1:A:28:ASP:HB3	13	1.04
(1,3447)	1:A:35:SER:HA	1:A:76:ASP:HB3	13	1.04
(1,320)	1:B:74:GLN:HB3	1:B:76:ASP:HB3	8	1.04
(1,319)	1:A:74:GLN:HB3	1:A:76:ASP:HB3	8	1.04
(1,1627)	1:A:24:TYR:HB3	1:A:42:PHE:HB3	1	1.04
(1,140)	1:B:58:GLY:HA3	1:B:36:LYS:HE2	12	1.04
(1,140)	1:B:58:GLY:HA3	1:B:36:LYS:HE3	12	1.04
(1,139)	1:A:58:GLY:HA3	1:A:36:LYS:HE2	12	1.04
(1,139)	1:A:58:GLY:HA3	1:A:36:LYS:HE3	12	1.04
(1,624)	1:B:34:LEU:HB2	1:B:38:GLU:HB2	3	1.03
(1,5416)	1:B:69:THR:H	1:B:74:GLN:HG2	7	1.03
(1,5416)	1:B:69:THR:H	1:B:74:GLN:HG3	7	1.03
(1,5416)	1:B:69:THR:H	1:B:75:LEU:HB2	7	1.03
(1,5415)	1:A:69:THR:H	1:A:74:GLN:HG2	7	1.03
(1,5415)	1:A:69:THR:H	1:A:74:GLN:HG3	7	1.03
(1,5415)	1:A:69:THR:H	1:A:75:LEU:HB2	7	1.03
(1,486)	1:B:59:VAL:H	1:B:62:ARG:HG2	19	1.03
(1,3674)	1:B:75:LEU:HB3	1:B:21:PHE:HB3	9	1.03
(1,3674)	1:B:75:LEU:HB3	1:B:24:TYR:HB3	9	1.03
(1,3674)	1:B:75:LEU:HB3	1:B:42:PHE:HB3	9	1.03
(1,3674)	1:B:75:LEU:HB3	1:B:63:MET:HB2	9	1.03
(1,3673)	1:A:75:LEU:HB3	1:A:21:PHE:HB3	9	1.03
(1,3673)	1:A:75:LEU:HB3	1:A:24:TYR:HB3	9	1.03
(1,3673)	1:A:75:LEU:HB3	1:A:42:PHE:HB3	9	1.03
(1,3673)	1:A:75:LEU:HB3	1:A:63:MET:HB2	9	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,224)	1:B:34:LEU:HB2	1:B:39:PHE:HB3	2	1.03
(1,223)	1:A:34:LEU:HB2	1:A:39:PHE:HB3	2	1.03
(1,1628)	1:B:24:TYR:HB3	1:B:42:PHE:HB3	1	1.03
(1,1628)	1:B:24:TYR:HB3	1:B:42:PHE:HB3	16	1.03
(1,1627)	1:A:24:TYR:HB3	1:A:42:PHE:HB3	16	1.03
(1,1596)	1:B:84:ILE:HB	1:B:81:LEU:HB2	17	1.03
(1,1595)	1:A:84:ILE:HB	1:A:81:LEU:HB2	17	1.03
(2,154)	1:B:71:SER:H	1:B:73:GLY:HA3	6	1.02
(1,485)	1:A:59:VAL:H	1:A:62:ARG:HG2	19	1.02
(1,2138)	1:B:47:LEU:HB2	1:B:50:PHE:HB2	13	1.02
(1,2138)	1:B:47:LEU:HB2	1:B:50:PHE:HB3	13	1.02
(1,2137)	1:A:47:LEU:HB2	1:A:50:PHE:HB2	13	1.02
(1,2137)	1:A:47:LEU:HB2	1:A:50:PHE:HB3	13	1.02
(2,153)	1:A:71:SER:H	1:A:73:GLY:HA3	6	1.01
(1,714)	1:B:16:SER:HB3	1:B:17:LEU:HD22	12	1.01
(1,714)	1:B:16:SER:HB3	1:B:17:LEU:HD21	12	1.01
(1,714)	1:B:16:SER:HB3	1:B:17:LEU:HD23	12	1.01
(1,713)	1:A:16:SER:HB3	1:A:17:LEU:HD22	12	1.01
(1,713)	1:A:16:SER:HB3	1:A:17:LEU:HD21	12	1.01
(1,713)	1:A:16:SER:HB3	1:A:17:LEU:HD23	12	1.01
(1,56)	1:B:17:LEU:HD12	1:A:13:CYS:HB2	14	1.01
(1,56)	1:B:17:LEU:HD11	1:A:13:CYS:HB2	14	1.01
(1,56)	1:B:17:LEU:HD13	1:A:13:CYS:HB2	14	1.01
(1,55)	1:A:17:LEU:HD12	1:B:13:CYS:HB2	14	1.01
(1,55)	1:A:17:LEU:HD11	1:B:13:CYS:HB2	14	1.01
(1,55)	1:A:17:LEU:HD13	1:B:13:CYS:HB2	14	1.01
(1,4294)	1:B:27:LYS:HB3	1:B:28:ASP:HB3	14	1.01
(1,4294)	1:B:7:PRO:HB3	1:B:11:GLU:HG2	14	1.01
(1,4294)	1:B:23:LYS:HB2	1:B:24:TYR:HB3	14	1.01
(1,4293)	1:A:27:LYS:HB3	1:A:28:ASP:HB3	14	1.01
(1,4293)	1:A:7:PRO:HB3	1:A:11:GLU:HG2	14	1.01
(1,4293)	1:A:23:LYS:HB2	1:A:24:TYR:HB3	14	1.01
(1,140)	1:B:58:GLY:HA3	1:B:36:LYS:HE2	3	1.01
(1,140)	1:B:58:GLY:HA3	1:B:36:LYS:HE3	3	1.01
(1,636)	1:B:62:ARG:HG2	1:B:61:ASP:HB2	6	1.0
(1,635)	1:A:62:ARG:HG2	1:A:61:ASP:HB2	6	1.0
(1,5416)	1:B:69:THR:H	1:B:74:GLN:HG2	4	1.0
(1,5416)	1:B:69:THR:H	1:B:74:GLN:HG3	4	1.0
(1,5416)	1:B:69:THR:H	1:B:75:LEU:HB2	4	1.0
(1,5415)	1:A:69:THR:H	1:A:74:GLN:HG2	4	1.0
(1,5415)	1:A:69:THR:H	1:A:74:GLN:HG3	4	1.0
(1,5415)	1:A:69:THR:H	1:A:75:LEU:HB2	4	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,486)	1:B:59:VAL:H	1:B:62:ARG:HG2	10	1.0
(1,485)	1:A:59:VAL:H	1:A:62:ARG:HG2	10	1.0
(1,4104)	1:B:42:PHE:HA	1:B:20:VAL:HB	20	1.0
(1,4104)	1:B:42:PHE:HA	1:B:38:GLU:HB2	20	1.0
(1,4103)	1:A:42:PHE:HA	1:A:20:VAL:HB	20	1.0
(1,4103)	1:A:42:PHE:HA	1:A:38:GLU:HB2	20	1.0
(1,3606)	1:B:77:PHE:HB3	1:A:88:ALA:HB2	5	1.0
(1,3606)	1:B:77:PHE:HB3	1:A:88:ALA:HB1	5	1.0
(1,3606)	1:B:77:PHE:HB3	1:A:88:ALA:HB3	5	1.0
(1,3606)	1:B:77:PHE:HB3	1:A:90:ALA:HB2	5	1.0
(1,3606)	1:B:77:PHE:HB3	1:A:90:ALA:HB1	5	1.0
(1,3606)	1:B:77:PHE:HB3	1:A:90:ALA:HB3	5	1.0
(1,3606)	1:B:77:PHE:HB3	1:B:17:LEU:HB3	5	1.0
(1,224)	1:B:34:LEU:HB2	1:B:39:PHE:HB3	13	1.0
(1,223)	1:A:34:LEU:HB2	1:A:39:PHE:HB3	13	1.0
(1,2138)	1:B:47:LEU:HB2	1:B:50:PHE:HB2	1	1.0
(1,2138)	1:B:47:LEU:HB2	1:B:50:PHE:HB3	1	1.0
(1,2137)	1:A:47:LEU:HB2	1:A:50:PHE:HB2	1	1.0
(1,2137)	1:A:47:LEU:HB2	1:A:50:PHE:HB3	1	1.0
(1,182)	1:B:39:PHE:HB3	1:B:34:LEU:HA	4	1.0
(1,182)	1:B:39:PHE:HB3	1:B:34:LEU:HA	17	1.0
(1,181)	1:A:39:PHE:HB3	1:A:34:LEU:HA	4	1.0
(1,181)	1:A:39:PHE:HB3	1:A:34:LEU:HA	17	1.0
(1,1628)	1:B:24:TYR:HB3	1:B:42:PHE:HB3	14	1.0
(1,1627)	1:A:24:TYR:HB3	1:A:42:PHE:HB3	14	1.0
(1,56)	1:B:17:LEU:HD12	1:A:13:CYS:HB2	6	0.99
(1,56)	1:B:17:LEU:HD11	1:A:13:CYS:HB2	6	0.99
(1,56)	1:B:17:LEU:HD13	1:A:13:CYS:HB2	6	0.99
(1,5416)	1:B:69:THR:H	1:B:74:GLN:HG2	1	0.99
(1,5416)	1:B:69:THR:H	1:B:74:GLN:HG3	1	0.99
(1,5416)	1:B:69:THR:H	1:B:75:LEU:HB2	1	0.99
(1,5415)	1:A:69:THR:H	1:A:74:GLN:HG2	1	0.99
(1,5415)	1:A:69:THR:H	1:A:74:GLN:HG3	1	0.99
(1,5415)	1:A:69:THR:H	1:A:75:LEU:HB2	1	0.99
(1,4294)	1:B:27:LYS:HB3	1:B:28:ASP:HB3	2	0.99
(1,4294)	1:B:7:PRO:HB3	1:B:11:GLU:HG2	2	0.99
(1,4294)	1:B:23:LYS:HB2	1:B:24:TYR:HB3	2	0.99
(1,4293)	1:A:27:LYS:HB3	1:A:28:ASP:HB3	2	0.99
(1,4293)	1:A:7:PRO:HB3	1:A:11:GLU:HG2	2	0.99
(1,4293)	1:A:23:LYS:HB2	1:A:24:TYR:HB3	2	0.99
(1,3605)	1:A:77:PHE:HB3	1:B:88:ALA:HB2	5	0.99
(1,3605)	1:A:77:PHE:HB3	1:B:88:ALA:HB1	5	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3605)	1:A:77:PHE:HB3	1:B:88:ALA:HB3	5	0.99
(1,3605)	1:A:77:PHE:HB3	1:B:90:ALA:HB2	5	0.99
(1,3605)	1:A:77:PHE:HB3	1:B:90:ALA:HB1	5	0.99
(1,3605)	1:A:77:PHE:HB3	1:B:90:ALA:HB3	5	0.99
(1,3605)	1:A:77:PHE:HB3	1:A:17:LEU:HB3	5	0.99
(1,182)	1:B:39:PHE:HB3	1:B:34:LEU:HA	13	0.99
(1,181)	1:A:39:PHE:HB3	1:A:34:LEU:HA	13	0.99
(1,1628)	1:B:24:TYR:HB3	1:B:42:PHE:HB3	5	0.99
(1,1627)	1:A:24:TYR:HB3	1:A:42:PHE:HB3	5	0.99
(1,139)	1:A:58:GLY:HA3	1:A:36:LYS:HE2	3	0.99
(1,139)	1:A:58:GLY:HA3	1:A:36:LYS:HE3	3	0.99
(2,154)	1:B:71:SER:H	1:B:73:GLY:HA3	13	0.98
(2,148)	1:B:89:MET:HG2	1:B:93:ASP:HB3	9	0.98
(2,147)	1:A:89:MET:HG2	1:A:93:ASP:HB3	9	0.98
(2,144)	1:B:89:MET:HG2	1:B:93:ASP:HB3	9	0.98
(2,143)	1:A:89:MET:HG2	1:A:93:ASP:HB3	9	0.98
(2,130)	1:B:89:MET:HG2	1:B:93:ASP:HB3	9	0.98
(2,129)	1:A:89:MET:HG2	1:A:93:ASP:HB3	9	0.98
(1,635)	1:A:62:ARG:HG2	1:A:61:ASP:HB2	1	0.98
(1,55)	1:A:17:LEU:HD12	1:B:13:CYS:HB2	6	0.98
(1,55)	1:A:17:LEU:HD11	1:B:13:CYS:HB2	6	0.98
(1,55)	1:A:17:LEU:HD13	1:B:13:CYS:HB2	6	0.98
(1,5416)	1:B:69:THR:H	1:B:74:GLN:HG2	5	0.98
(1,5416)	1:B:69:THR:H	1:B:74:GLN:HG3	5	0.98
(1,5416)	1:B:69:THR:H	1:B:75:LEU:HB2	5	0.98
(1,4294)	1:B:27:LYS:HB3	1:B:28:ASP:HB3	6	0.98
(1,4294)	1:B:7:PRO:HB3	1:B:11:GLU:HG2	6	0.98
(1,4294)	1:B:23:LYS:HB2	1:B:24:TYR:HB3	6	0.98
(1,4293)	1:A:27:LYS:HB3	1:A:28:ASP:HB3	6	0.98
(1,4293)	1:A:7:PRO:HB3	1:A:11:GLU:HG2	6	0.98
(1,4293)	1:A:23:LYS:HB2	1:A:24:TYR:HB3	6	0.98
(1,3674)	1:B:75:LEU:HB3	1:B:21:PHE:HB3	13	0.98
(1,3674)	1:B:75:LEU:HB3	1:B:24:TYR:HB3	13	0.98
(1,3674)	1:B:75:LEU:HB3	1:B:42:PHE:HB3	13	0.98
(1,3674)	1:B:75:LEU:HB3	1:B:63:MET:HB2	13	0.98
(1,3673)	1:A:75:LEU:HB3	1:A:21:PHE:HB3	13	0.98
(1,3673)	1:A:75:LEU:HB3	1:A:24:TYR:HB3	13	0.98
(1,3673)	1:A:75:LEU:HB3	1:A:42:PHE:HB3	13	0.98
(1,3673)	1:A:75:LEU:HB3	1:A:63:MET:HB2	13	0.98
(1,3448)	1:B:35:SER:HA	1:B:28:ASP:HB3	5	0.98
(1,3448)	1:B:35:SER:HA	1:B:76:ASP:HB3	5	0.98
(1,224)	1:B:34:LEU:HB2	1:B:39:PHE:HB3	8	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,223)	1:A:34:LEU:HB2	1:A:39:PHE:HB3	8	0.98
(1,2138)	1:B:47:LEU:HB2	1:B:50:PHE:HB2	12	0.98
(1,2138)	1:B:47:LEU:HB2	1:B:50:PHE:HB3	12	0.98
(1,2138)	1:B:47:LEU:HB2	1:B:50:PHE:HB2	19	0.98
(1,2138)	1:B:47:LEU:HB2	1:B:50:PHE:HB3	19	0.98
(1,2137)	1:A:47:LEU:HB2	1:A:50:PHE:HB2	12	0.98
(1,2137)	1:A:47:LEU:HB2	1:A:50:PHE:HB3	12	0.98
(1,2137)	1:A:47:LEU:HB2	1:A:50:PHE:HB2	19	0.98
(1,2137)	1:A:47:LEU:HB2	1:A:50:PHE:HB3	19	0.98
(1,1628)	1:B:24:TYR:HB3	1:B:42:PHE:HB3	8	0.98
(1,1627)	1:A:24:TYR:HB3	1:A:42:PHE:HB3	8	0.98
(2,154)	1:B:71:SER:H	1:B:73:GLY:HA3	7	0.97
(2,154)	1:B:71:SER:H	1:B:73:GLY:HA3	10	0.97
(2,153)	1:A:71:SER:H	1:A:73:GLY:HA3	3	0.97
(2,153)	1:A:71:SER:H	1:A:73:GLY:HA3	7	0.97
(2,153)	1:A:71:SER:H	1:A:73:GLY:HA3	10	0.97
(2,153)	1:A:71:SER:H	1:A:73:GLY:HA3	13	0.97
(1,636)	1:B:62:ARG:HG2	1:B:61:ASP:HB2	1	0.97
(1,636)	1:B:62:ARG:HG2	1:B:61:ASP:HB2	10	0.97
(1,635)	1:A:62:ARG:HG2	1:A:61:ASP:HB2	10	0.97
(1,5415)	1:A:69:THR:H	1:A:74:GLN:HG2	5	0.97
(1,5415)	1:A:69:THR:H	1:A:74:GLN:HG3	5	0.97
(1,5415)	1:A:69:THR:H	1:A:75:LEU:HB2	5	0.97
(1,3605)	1:A:77:PHE:HB3	1:B:88:ALA:HB2	4	0.97
(1,3605)	1:A:77:PHE:HB3	1:B:88:ALA:HB1	4	0.97
(1,3605)	1:A:77:PHE:HB3	1:B:88:ALA:HB3	4	0.97
(1,3605)	1:A:77:PHE:HB3	1:B:90:ALA:HB2	4	0.97
(1,3605)	1:A:77:PHE:HB3	1:B:90:ALA:HB1	4	0.97
(1,3605)	1:A:77:PHE:HB3	1:B:90:ALA:HB3	4	0.97
(1,3605)	1:A:77:PHE:HB3	1:A:17:LEU:HB3	4	0.97
(1,3447)	1:A:35:SER:HA	1:A:28:ASP:HB3	5	0.97
(1,3447)	1:A:35:SER:HA	1:A:76:ASP:HB3	5	0.97
(2,154)	1:B:71:SER:H	1:B:73:GLY:HA3	3	0.96
(2,154)	1:B:71:SER:H	1:B:73:GLY:HA3	5	0.96
(2,154)	1:B:71:SER:H	1:B:73:GLY:HA3	9	0.96
(2,154)	1:B:71:SER:H	1:B:73:GLY:HA3	15	0.96
(2,153)	1:A:71:SER:H	1:A:73:GLY:HA3	9	0.96
(2,153)	1:A:71:SER:H	1:A:73:GLY:HA3	15	0.96
(1,486)	1:B:59:VAL:H	1:B:62:ARG:HG2	20	0.96
(1,485)	1:A:59:VAL:H	1:A:62:ARG:HG2	20	0.96
(1,3674)	1:B:75:LEU:HB3	1:B:21:PHE:HB3	17	0.96
(1,3674)	1:B:75:LEU:HB3	1:B:24:TYR:HB3	17	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3674)	1:B:75:LEU:HB3	1:B:42:PHE:HB3	17	0.96
(1,3674)	1:B:75:LEU:HB3	1:B:63:MET:HB2	17	0.96
(1,3673)	1:A:75:LEU:HB3	1:A:21:PHE:HB3	17	0.96
(1,3673)	1:A:75:LEU:HB3	1:A:24:TYR:HB3	17	0.96
(1,3673)	1:A:75:LEU:HB3	1:A:42:PHE:HB3	17	0.96
(1,3673)	1:A:75:LEU:HB3	1:A:63:MET:HB2	17	0.96
(1,3606)	1:B:77:PHE:HB3	1:A:88:ALA:HB2	4	0.96
(1,3606)	1:B:77:PHE:HB3	1:A:88:ALA:HB1	4	0.96
(1,3606)	1:B:77:PHE:HB3	1:A:88:ALA:HB3	4	0.96
(1,3606)	1:B:77:PHE:HB3	1:A:90:ALA:HB2	4	0.96
(1,3606)	1:B:77:PHE:HB3	1:A:90:ALA:HB1	4	0.96
(1,3606)	1:B:77:PHE:HB3	1:A:90:ALA:HB3	4	0.96
(1,3606)	1:B:77:PHE:HB3	1:B:17:LEU:HB3	4	0.96
(1,320)	1:B:74:GLN:HB3	1:B:76:ASP:HB3	7	0.96
(1,319)	1:A:74:GLN:HB3	1:A:76:ASP:HB3	7	0.96
(1,2138)	1:B:47:LEU:HB2	1:B:50:PHE:HB2	7	0.96
(1,2138)	1:B:47:LEU:HB2	1:B:50:PHE:HB3	7	0.96
(1,2138)	1:B:47:LEU:HB2	1:B:50:PHE:HB2	18	0.96
(1,2138)	1:B:47:LEU:HB2	1:B:50:PHE:HB3	18	0.96
(1,2137)	1:A:47:LEU:HB2	1:A:50:PHE:HB2	18	0.96
(1,2137)	1:A:47:LEU:HB2	1:A:50:PHE:HB3	18	0.96
(2,154)	1:B:71:SER:H	1:B:73:GLY:HA3	4	0.95
(2,154)	1:B:71:SER:H	1:B:73:GLY:HA3	8	0.95
(2,154)	1:B:71:SER:H	1:B:73:GLY:HA3	11	0.95
(2,154)	1:B:71:SER:H	1:B:73:GLY:HA3	14	0.95
(2,154)	1:B:71:SER:H	1:B:73:GLY:HA3	16	0.95
(2,154)	1:B:71:SER:H	1:B:73:GLY:HA3	19	0.95
(2,153)	1:A:71:SER:H	1:A:73:GLY:HA3	4	0.95
(2,153)	1:A:71:SER:H	1:A:73:GLY:HA3	5	0.95
(2,153)	1:A:71:SER:H	1:A:73:GLY:HA3	8	0.95
(2,153)	1:A:71:SER:H	1:A:73:GLY:HA3	11	0.95
(2,153)	1:A:71:SER:H	1:A:73:GLY:HA3	14	0.95
(2,153)	1:A:71:SER:H	1:A:73:GLY:HA3	16	0.95
(2,153)	1:A:71:SER:H	1:A:73:GLY:HA3	19	0.95
(1,636)	1:B:62:ARG:HG2	1:B:61:ASP:HB2	8	0.95
(1,635)	1:A:62:ARG:HG2	1:A:61:ASP:HB2	8	0.95
(1,56)	1:B:17:LEU:HD12	1:A:13:CYS:HB2	15	0.95
(1,56)	1:B:17:LEU:HD11	1:A:13:CYS:HB2	15	0.95
(1,56)	1:B:17:LEU:HD13	1:A:13:CYS:HB2	15	0.95
(1,55)	1:A:17:LEU:HD12	1:B:13:CYS:HB2	15	0.95
(1,55)	1:A:17:LEU:HD11	1:B:13:CYS:HB2	15	0.95
(1,55)	1:A:17:LEU:HD13	1:B:13:CYS:HB2	15	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5416)	1:B:69:THR:H	1:B:74:GLN:HG2	16	0.95
(1,5416)	1:B:69:THR:H	1:B:74:GLN:HG3	16	0.95
(1,5416)	1:B:69:THR:H	1:B:75:LEU:HB2	16	0.95
(1,5415)	1:A:69:THR:H	1:A:74:GLN:HG2	16	0.95
(1,5415)	1:A:69:THR:H	1:A:74:GLN:HG3	16	0.95
(1,5415)	1:A:69:THR:H	1:A:75:LEU:HB2	16	0.95
(1,4294)	1:B:27:LYS:HB3	1:B:28:ASP:HB3	5	0.95
(1,4294)	1:B:7:PRO:HB3	1:B:11:GLU:HG2	5	0.95
(1,4294)	1:B:23:LYS:HB2	1:B:24:TYR:HB3	5	0.95
(1,4293)	1:A:27:LYS:HB3	1:A:28:ASP:HB3	5	0.95
(1,4293)	1:A:7:PRO:HB3	1:A:11:GLU:HG2	5	0.95
(1,4293)	1:A:23:LYS:HB2	1:A:24:TYR:HB3	5	0.95
(1,3568)	1:B:17:LEU:HG	1:A:89:MET:HG3	15	0.95
(1,3568)	1:B:17:LEU:HG	1:B:15:GLU:HG2	15	0.95
(1,3568)	1:B:17:LEU:HG	1:B:21:PHE:HB3	15	0.95
(1,3567)	1:A:17:LEU:HG	1:B:89:MET:HG3	15	0.95
(1,3567)	1:A:17:LEU:HG	1:A:15:GLU:HG2	15	0.95
(1,3567)	1:A:17:LEU:HG	1:A:21:PHE:HB3	15	0.95
(1,1014)	1:B:62:ARG:HB3	1:B:63:MET:HG2	20	0.95
(1,1013)	1:A:62:ARG:HB3	1:A:63:MET:HG2	20	0.95
(2,154)	1:B:71:SER:H	1:B:73:GLY:HA3	2	0.94
(2,154)	1:B:71:SER:H	1:B:73:GLY:HA3	12	0.94
(2,153)	1:A:71:SER:H	1:A:73:GLY:HA3	2	0.94
(2,153)	1:A:71:SER:H	1:A:73:GLY:HA3	12	0.94
(1,5416)	1:B:69:THR:H	1:B:74:GLN:HG2	17	0.94
(1,5416)	1:B:69:THR:H	1:B:74:GLN:HG3	17	0.94
(1,5416)	1:B:69:THR:H	1:B:75:LEU:HB2	17	0.94
(1,5415)	1:A:69:THR:H	1:A:74:GLN:HG2	17	0.94
(1,5415)	1:A:69:THR:H	1:A:74:GLN:HG3	17	0.94
(1,5415)	1:A:69:THR:H	1:A:75:LEU:HB2	17	0.94
(1,2137)	1:A:47:LEU:HB2	1:A:50:PHE:HB2	7	0.94
(1,2137)	1:A:47:LEU:HB2	1:A:50:PHE:HB3	7	0.94
(1,182)	1:B:39:PHE:HB3	1:B:34:LEU:HA	1	0.94
(1,181)	1:A:39:PHE:HB3	1:A:34:LEU:HA	1	0.94
(1,1628)	1:B:24:TYR:HB3	1:B:42:PHE:HB3	9	0.94
(1,1627)	1:A:24:TYR:HB3	1:A:42:PHE:HB3	9	0.94
(1,1014)	1:B:62:ARG:HB3	1:B:63:MET:HG2	4	0.94
(1,1013)	1:A:62:ARG:HB3	1:A:63:MET:HG2	4	0.94
(2,86)	1:B:42:PHE:HB2	1:B:47:LEU:H	8	0.93
(2,16)	1:B:61:ASP:HB2	1:B:62:ARG:HD2	15	0.93
(2,15)	1:A:61:ASP:HB2	1:A:62:ARG:HD2	15	0.93
(1,636)	1:B:62:ARG:HG2	1:B:61:ASP:HB2	11	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,635)	1:A:62:ARG:HG2	1:A:61:ASP:HB2	11	0.93
(1,635)	1:A:62:ARG:HG2	1:A:61:ASP:HB2	16	0.93
(1,4294)	1:B:27:LYS:HB3	1:B:28:ASP:HB3	8	0.93
(1,4294)	1:B:7:PRO:HB3	1:B:11:GLU:HG2	8	0.93
(1,4294)	1:B:23:LYS:HB2	1:B:24:TYR:HB3	8	0.93
(1,3674)	1:B:75:LEU:HB3	1:B:21:PHE:HB3	3	0.93
(1,3674)	1:B:75:LEU:HB3	1:B:24:TYR:HB3	3	0.93
(1,3674)	1:B:75:LEU:HB3	1:B:42:PHE:HB3	3	0.93
(1,3674)	1:B:75:LEU:HB3	1:B:63:MET:HB2	3	0.93
(1,3674)	1:B:75:LEU:HB3	1:B:21:PHE:HB3	11	0.93
(1,3674)	1:B:75:LEU:HB3	1:B:24:TYR:HB3	11	0.93
(1,3674)	1:B:75:LEU:HB3	1:B:42:PHE:HB3	11	0.93
(1,3674)	1:B:75:LEU:HB3	1:B:63:MET:HB2	11	0.93
(1,3673)	1:A:75:LEU:HB3	1:A:21:PHE:HB3	3	0.93
(1,3673)	1:A:75:LEU:HB3	1:A:24:TYR:HB3	3	0.93
(1,3673)	1:A:75:LEU:HB3	1:A:42:PHE:HB3	3	0.93
(1,3673)	1:A:75:LEU:HB3	1:A:63:MET:HB2	3	0.93
(1,3673)	1:A:75:LEU:HB3	1:A:21:PHE:HB3	11	0.93
(1,3673)	1:A:75:LEU:HB3	1:A:24:TYR:HB3	11	0.93
(1,3673)	1:A:75:LEU:HB3	1:A:42:PHE:HB3	11	0.93
(1,3673)	1:A:75:LEU:HB3	1:A:63:MET:HB2	11	0.93
(1,182)	1:B:39:PHE:HB3	1:B:34:LEU:HA	18	0.93
(1,181)	1:A:39:PHE:HB3	1:A:34:LEU:HA	18	0.93
(1,1628)	1:B:24:TYR:HB3	1:B:42:PHE:HB3	11	0.93
(1,1627)	1:A:24:TYR:HB3	1:A:42:PHE:HB3	11	0.93
(2,85)	1:A:42:PHE:HB2	1:A:47:LEU:H	8	0.92
(1,636)	1:B:62:ARG:HG2	1:B:61:ASP:HB2	16	0.92
(1,4312)	1:B:68:ASP:HB2	1:B:64:MET:HB2	11	0.92
(1,4312)	1:B:68:ASP:HB2	1:B:75:LEU:HB2	11	0.92
(1,4312)	1:B:21:PHE:HB2	1:B:22:GLN:HB2	11	0.92
(1,4312)	1:B:21:PHE:HB2	1:B:22:GLN:HB3	11	0.92
(1,4311)	1:A:68:ASP:HB2	1:A:64:MET:HB2	11	0.92
(1,4311)	1:A:68:ASP:HB2	1:A:75:LEU:HB2	11	0.92
(1,4311)	1:A:21:PHE:HB2	1:A:22:GLN:HB2	11	0.92
(1,4311)	1:A:21:PHE:HB2	1:A:22:GLN:HB3	11	0.92
(1,4293)	1:A:27:LYS:HB3	1:A:28:ASP:HB3	8	0.92
(1,4293)	1:A:7:PRO:HB3	1:A:11:GLU:HG2	8	0.92
(1,4293)	1:A:23:LYS:HB2	1:A:24:TYR:HB3	8	0.92
(1,319)	1:A:74:GLN:HB3	1:A:76:ASP:HB3	3	0.92
(1,210)	1:B:76:ASP:HA	1:B:34:LEU:HB3	11	0.92
(1,209)	1:A:76:ASP:HA	1:A:34:LEU:HB3	11	0.92
(1,182)	1:B:39:PHE:HB3	1:B:34:LEU:HA	8	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,181)	1:A:39:PHE:HB3	1:A:34:LEU:HA	8	0.92
(2,153)	1:A:71:SER:H	1:A:73:GLY:HA3	17	0.91
(1,56)	1:B:17:LEU:HD12	1:A:13:CYS:HB2	17	0.91
(1,56)	1:B:17:LEU:HD11	1:A:13:CYS:HB2	17	0.91
(1,56)	1:B:17:LEU:HD13	1:A:13:CYS:HB2	17	0.91
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG22	6	0.91
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG21	6	0.91
(1,542)	1:B:15:GLU:HG3	1:B:18:ILE:HG23	6	0.91
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG22	6	0.91
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG21	6	0.91
(1,541)	1:A:15:GLU:HG3	1:A:18:ILE:HG23	6	0.91
(1,4294)	1:B:27:LYS:HB3	1:B:28:ASP:HB3	4	0.91
(1,4294)	1:B:7:PRO:HB3	1:B:11:GLU:HG2	4	0.91
(1,4294)	1:B:23:LYS:HB2	1:B:24:TYR:HB3	4	0.91
(1,4294)	1:B:27:LYS:HB3	1:B:28:ASP:HB3	19	0.91
(1,4294)	1:B:7:PRO:HB3	1:B:11:GLU:HG2	19	0.91
(1,4294)	1:B:23:LYS:HB2	1:B:24:TYR:HB3	19	0.91
(1,4293)	1:A:27:LYS:HB3	1:A:28:ASP:HB3	4	0.91
(1,4293)	1:A:7:PRO:HB3	1:A:11:GLU:HG2	4	0.91
(1,4293)	1:A:23:LYS:HB2	1:A:24:TYR:HB3	4	0.91
(1,4293)	1:A:27:LYS:HB3	1:A:28:ASP:HB3	19	0.91
(1,4293)	1:A:7:PRO:HB3	1:A:11:GLU:HG2	19	0.91
(1,4293)	1:A:23:LYS:HB2	1:A:24:TYR:HB3	19	0.91
(1,320)	1:B:74:GLN:HB3	1:B:76:ASP:HB3	3	0.91
(1,320)	1:B:74:GLN:HB3	1:B:76:ASP:HB3	11	0.91
(1,320)	1:B:74:GLN:HB3	1:B:76:ASP:HB3	18	0.91
(1,320)	1:B:74:GLN:HB3	1:B:76:ASP:HB3	20	0.91
(1,319)	1:A:74:GLN:HB3	1:A:76:ASP:HB3	11	0.91
(1,319)	1:A:74:GLN:HB3	1:A:76:ASP:HB3	18	0.91
(1,319)	1:A:74:GLN:HB3	1:A:76:ASP:HB3	20	0.91
(1,224)	1:B:34:LEU:HB2	1:B:39:PHE:HB3	18	0.91
(1,223)	1:A:34:LEU:HB2	1:A:39:PHE:HB3	18	0.91
(1,210)	1:B:76:ASP:HA	1:B:34:LEU:HB3	17	0.91
(1,209)	1:A:76:ASP:HA	1:A:34:LEU:HB3	13	0.91
(1,209)	1:A:76:ASP:HA	1:A:34:LEU:HB3	17	0.91
(1,1628)	1:B:24:TYR:HB3	1:B:42:PHE:HB3	7	0.91
(1,1627)	1:A:24:TYR:HB3	1:A:42:PHE:HB3	7	0.91
(2,154)	1:B:71:SER:H	1:B:73:GLY:HA3	17	0.9
(1,4312)	1:B:68:ASP:HB2	1:B:64:MET:HB2	4	0.9
(1,4312)	1:B:68:ASP:HB2	1:B:75:LEU:HB2	4	0.9
(1,4312)	1:B:21:PHE:HB2	1:B:22:GLN:HB2	4	0.9
(1,4312)	1:B:21:PHE:HB2	1:B:22:GLN:HB3	4	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4311)	1:A:68:ASP:HB2	1:A:64:MET:HB2	4	0.9
(1,4311)	1:A:68:ASP:HB2	1:A:75:LEU:HB2	4	0.9
(1,4311)	1:A:21:PHE:HB2	1:A:22:GLN:HB2	4	0.9
(1,4311)	1:A:21:PHE:HB2	1:A:22:GLN:HB3	4	0.9
(1,3778)	1:B:57:PRO:HA	1:B:61:ASP:HB3	12	0.9
(1,3778)	1:B:57:PRO:HA	1:B:63:MET:HG3	12	0.9
(1,3777)	1:A:57:PRO:HA	1:A:61:ASP:HB3	12	0.9
(1,3777)	1:A:57:PRO:HA	1:A:63:MET:HG3	12	0.9
(1,3674)	1:B:75:LEU:HB3	1:B:21:PHE:HB3	20	0.9
(1,3674)	1:B:75:LEU:HB3	1:B:24:TYR:HB3	20	0.9
(1,3674)	1:B:75:LEU:HB3	1:B:42:PHE:HB3	20	0.9
(1,3674)	1:B:75:LEU:HB3	1:B:63:MET:HB2	20	0.9
(1,357)	1:A:73:GLY:HA2	1:A:72:ASP:HB2	18	0.9
(1,252)	1:B:76:ASP:HB2	1:B:77:PHE:HB2	17	0.9
(1,251)	1:A:76:ASP:HB2	1:A:77:PHE:HB2	17	0.9
(1,210)	1:B:76:ASP:HA	1:B:34:LEU:HB3	13	0.9
(1,210)	1:B:76:ASP:HA	1:B:34:LEU:HB3	18	0.9
(1,209)	1:A:76:ASP:HA	1:A:34:LEU:HB3	18	0.9
(1,1014)	1:B:62:ARG:HB3	1:B:63:MET:HG2	9	0.9
(1,1013)	1:A:62:ARG:HB3	1:A:63:MET:HG2	9	0.9
(1,4294)	1:B:27:LYS:HB3	1:B:28:ASP:HB3	16	0.89
(1,4294)	1:B:7:PRO:HB3	1:B:11:GLU:HG2	16	0.89
(1,4294)	1:B:23:LYS:HB2	1:B:24:TYR:HB3	16	0.89
(1,4293)	1:A:27:LYS:HB3	1:A:28:ASP:HB3	16	0.89
(1,4293)	1:A:7:PRO:HB3	1:A:11:GLU:HG2	16	0.89
(1,4293)	1:A:23:LYS:HB2	1:A:24:TYR:HB3	16	0.89
(1,3673)	1:A:75:LEU:HB3	1:A:21:PHE:HB3	20	0.89
(1,3673)	1:A:75:LEU:HB3	1:A:24:TYR:HB3	20	0.89
(1,3673)	1:A:75:LEU:HB3	1:A:42:PHE:HB3	20	0.89
(1,3673)	1:A:75:LEU:HB3	1:A:63:MET:HB2	20	0.89
(1,358)	1:B:73:GLY:HA2	1:B:72:ASP:HB2	18	0.89
(1,224)	1:B:34:LEU:HB2	1:B:39:PHE:HB3	17	0.89
(1,1013)	1:A:62:ARG:HB3	1:A:63:MET:HG2	5	0.89
(2,154)	1:B:71:SER:H	1:B:73:GLY:HA3	1	0.88
(2,153)	1:A:71:SER:H	1:A:73:GLY:HA3	1	0.88
(2,122)	1:B:76:ASP:HB3	1:B:68:ASP:HA	4	0.88
(2,121)	1:A:76:ASP:HB3	1:A:68:ASP:HA	4	0.88
(1,55)	1:A:17:LEU:HD12	1:B:13:CYS:HB2	17	0.88
(1,55)	1:A:17:LEU:HD11	1:B:13:CYS:HB2	17	0.88
(1,55)	1:A:17:LEU:HD13	1:B:13:CYS:HB2	17	0.88
(1,320)	1:B:74:GLN:HB3	1:B:76:ASP:HB3	9	0.88
(1,319)	1:A:74:GLN:HB3	1:A:76:ASP:HB3	9	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,223)	1:A:34:LEU:HB2	1:A:39:PHE:HB3	17	0.88
(1,1014)	1:B:62:ARG:HB3	1:B:63:MET:HG2	5	0.88
(1,1014)	1:B:62:ARG:HB3	1:B:63:MET:HG2	6	0.88
(1,1014)	1:B:62:ARG:HB3	1:B:63:MET:HG2	16	0.88
(1,1013)	1:A:62:ARG:HB3	1:A:63:MET:HG2	6	0.88
(1,1013)	1:A:62:ARG:HB3	1:A:63:MET:HG2	16	0.88
(2,86)	1:B:42:PHE:HB2	1:B:47:LEU:H	16	0.87
(2,85)	1:A:42:PHE:HB2	1:A:47:LEU:H	16	0.87
(1,636)	1:B:62:ARG:HG2	1:B:61:ASP:HB2	19	0.87
(1,56)	1:B:17:LEU:HD12	1:A:13:CYS:HB2	8	0.87
(1,56)	1:B:17:LEU:HD11	1:A:13:CYS:HB2	8	0.87
(1,56)	1:B:17:LEU:HD13	1:A:13:CYS:HB2	8	0.87
(1,5416)	1:B:69:THR:H	1:B:74:GLN:HG2	8	0.87
(1,5416)	1:B:69:THR:H	1:B:74:GLN:HG3	8	0.87
(1,5416)	1:B:69:THR:H	1:B:75:LEU:HB2	8	0.87
(1,5415)	1:A:69:THR:H	1:A:74:GLN:HG2	8	0.87
(1,5415)	1:A:69:THR:H	1:A:74:GLN:HG3	8	0.87
(1,5415)	1:A:69:THR:H	1:A:75:LEU:HB2	8	0.87
(1,4196)	1:B:52:LYS:HD2	1:B:53:ASN:HB3	15	0.87
(1,4196)	1:B:52:LYS:HD3	1:B:53:ASN:HB3	15	0.87
(1,4196)	1:B:52:LYS:HD2	1:B:44:ASN:HB3	15	0.87
(1,4196)	1:B:52:LYS:HD3	1:B:44:ASN:HB3	15	0.87
(1,4196)	1:B:52:LYS:HB2	1:B:53:ASN:HB3	15	0.87
(1,4196)	1:B:52:LYS:HB3	1:B:53:ASN:HB3	15	0.87
(1,4195)	1:A:52:LYS:HD2	1:A:53:ASN:HB3	15	0.87
(1,4195)	1:A:52:LYS:HD3	1:A:53:ASN:HB3	15	0.87
(1,4195)	1:A:52:LYS:HD2	1:A:44:ASN:HB3	15	0.87
(1,4195)	1:A:52:LYS:HD3	1:A:44:ASN:HB3	15	0.87
(1,4195)	1:A:52:LYS:HB2	1:A:53:ASN:HB3	15	0.87
(1,4195)	1:A:52:LYS:HB3	1:A:53:ASN:HB3	15	0.87
(1,4024)	1:B:83:LEU:HB3	1:B:66:LYS:HE2	9	0.87
(1,4024)	1:B:83:LEU:HB3	1:B:66:LYS:HE3	9	0.87
(1,4024)	1:B:83:LEU:HB3	1:B:82:ASN:HB2	9	0.87
(1,4023)	1:A:83:LEU:HB3	1:A:66:LYS:HE2	9	0.87
(1,4023)	1:A:83:LEU:HB3	1:A:66:LYS:HE3	9	0.87
(1,4023)	1:A:83:LEU:HB3	1:A:82:ASN:HB2	9	0.87
(1,320)	1:B:74:GLN:HB3	1:B:76:ASP:HB3	1	0.87
(1,319)	1:A:74:GLN:HB3	1:A:76:ASP:HB3	1	0.87
(1,2137)	1:A:47:LEU:HB2	1:A:50:PHE:HB2	11	0.87
(1,2137)	1:A:47:LEU:HB2	1:A:50:PHE:HB3	11	0.87
(1,1014)	1:B:62:ARG:HB3	1:B:63:MET:HG2	1	0.87
(1,1014)	1:B:62:ARG:HB3	1:B:63:MET:HG2	2	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1014)	1:B:62:ARG:HB3	1:B:63:MET:HG2	10	0.87
(1,1013)	1:A:62:ARG:HB3	1:A:63:MET:HG2	1	0.87
(1,1013)	1:A:62:ARG:HB3	1:A:63:MET:HG2	2	0.87
(1,1013)	1:A:62:ARG:HB3	1:A:63:MET:HG2	10	0.87
(2,16)	1:B:61:ASP:HB2	1:B:62:ARG:HD2	18	0.86
(1,635)	1:A:62:ARG:HG2	1:A:61:ASP:HB2	19	0.86
(1,320)	1:B:74:GLN:HB3	1:B:76:ASP:HB3	12	0.86
(1,319)	1:A:74:GLN:HB3	1:A:76:ASP:HB3	12	0.86
(1,2138)	1:B:47:LEU:HB2	1:B:50:PHE:HB2	11	0.86
(1,2138)	1:B:47:LEU:HB2	1:B:50:PHE:HB3	11	0.86
(1,210)	1:B:76:ASP:HA	1:B:34:LEU:HB3	10	0.86
(1,209)	1:A:76:ASP:HA	1:A:34:LEU:HB3	10	0.86
(2,15)	1:A:61:ASP:HB2	1:A:62:ARG:HD2	18	0.85
(1,55)	1:A:17:LEU:HD12	1:B:13:CYS:HB2	8	0.85
(1,55)	1:A:17:LEU:HD11	1:B:13:CYS:HB2	8	0.85
(1,55)	1:A:17:LEU:HD13	1:B:13:CYS:HB2	8	0.85
(1,5416)	1:B:69:THR:H	1:B:74:GLN:HG2	18	0.85
(1,5416)	1:B:69:THR:H	1:B:74:GLN:HG3	18	0.85
(1,5416)	1:B:69:THR:H	1:B:75:LEU:HB2	18	0.85
(1,5415)	1:A:69:THR:H	1:A:74:GLN:HG2	18	0.85
(1,5415)	1:A:69:THR:H	1:A:74:GLN:HG3	18	0.85
(1,5415)	1:A:69:THR:H	1:A:75:LEU:HB2	18	0.85
(1,4312)	1:B:68:ASP:HB2	1:B:64:MET:HB2	7	0.85
(1,4312)	1:B:68:ASP:HB2	1:B:75:LEU:HB2	7	0.85
(1,4312)	1:B:21:PHE:HB2	1:B:22:GLN:HB2	7	0.85
(1,4312)	1:B:21:PHE:HB2	1:B:22:GLN:HB3	7	0.85
(1,4311)	1:A:68:ASP:HB2	1:A:64:MET:HB2	7	0.85
(1,4311)	1:A:68:ASP:HB2	1:A:75:LEU:HB2	7	0.85
(1,4311)	1:A:21:PHE:HB2	1:A:22:GLN:HB2	7	0.85
(1,4311)	1:A:21:PHE:HB2	1:A:22:GLN:HB3	7	0.85
(1,4294)	1:B:27:LYS:HB3	1:B:28:ASP:HB3	17	0.85
(1,4294)	1:B:7:PRO:HB3	1:B:11:GLU:HG2	17	0.85
(1,4294)	1:B:23:LYS:HB2	1:B:24:TYR:HB3	17	0.85
(1,4293)	1:A:27:LYS:HB3	1:A:28:ASP:HB3	17	0.85
(1,4293)	1:A:7:PRO:HB3	1:A:11:GLU:HG2	17	0.85
(1,4293)	1:A:23:LYS:HB2	1:A:24:TYR:HB3	17	0.85
(1,4024)	1:B:83:LEU:HB3	1:B:66:LYS:HE2	11	0.85
(1,4024)	1:B:83:LEU:HB3	1:B:66:LYS:HE3	11	0.85
(1,4024)	1:B:83:LEU:HB3	1:B:82:ASN:HB2	11	0.85
(1,4023)	1:A:83:LEU:HB3	1:A:66:LYS:HE2	11	0.85
(1,4023)	1:A:83:LEU:HB3	1:A:66:LYS:HE3	11	0.85
(1,4023)	1:A:83:LEU:HB3	1:A:82:ASN:HB2	11	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3777)	1:A:57:PRO:HA	1:A:61:ASP:HB3	2	0.85
(1,3777)	1:A:57:PRO:HA	1:A:63:MET:HG3	2	0.85
(1,3755)	1:A:39:PHE:HB2	1:A:36:LYS:HD2	6	0.85
(1,3755)	1:A:39:PHE:HB2	1:A:36:LYS:HD3	6	0.85
(1,3755)	1:A:39:PHE:HB2	1:A:43:MET:HB2	6	0.85
(1,3755)	1:A:39:PHE:HB2	1:A:43:MET:HB3	6	0.85
(1,3755)	1:A:39:PHE:HB2	1:A:64:MET:HB3	6	0.85
(1,1014)	1:B:62:ARG:HB3	1:B:63:MET:HG2	8	0.85
(1,1013)	1:A:62:ARG:HB3	1:A:63:MET:HG2	8	0.85
(2,86)	1:B:42:PHE:HB2	1:B:47:LEU:H	2	0.84
(2,85)	1:A:42:PHE:HB2	1:A:47:LEU:H	2	0.84
(2,16)	1:B:61:ASP:HB2	1:B:62:ARG:HD2	13	0.84
(1,4294)	1:B:27:LYS:HB3	1:B:28:ASP:HB3	13	0.84
(1,4294)	1:B:7:PRO:HB3	1:B:11:GLU:HG2	13	0.84
(1,4294)	1:B:23:LYS:HB2	1:B:24:TYR:HB3	13	0.84
(1,4293)	1:A:27:LYS:HB3	1:A:28:ASP:HB3	13	0.84
(1,4293)	1:A:7:PRO:HB3	1:A:11:GLU:HG2	13	0.84
(1,4293)	1:A:23:LYS:HB2	1:A:24:TYR:HB3	13	0.84
(1,4023)	1:A:83:LEU:HB3	1:A:66:LYS:HE2	3	0.84
(1,4023)	1:A:83:LEU:HB3	1:A:66:LYS:HE3	3	0.84
(1,4023)	1:A:83:LEU:HB3	1:A:82:ASN:HB2	3	0.84
(1,3778)	1:B:57:PRO:HA	1:B:61:ASP:HB3	2	0.84
(1,3778)	1:B:57:PRO:HA	1:B:63:MET:HG3	2	0.84
(1,3756)	1:B:39:PHE:HB2	1:B:36:LYS:HD2	6	0.84
(1,3756)	1:B:39:PHE:HB2	1:B:36:LYS:HD3	6	0.84
(1,3756)	1:B:39:PHE:HB2	1:B:43:MET:HB2	6	0.84
(1,3756)	1:B:39:PHE:HB2	1:B:43:MET:HB3	6	0.84
(1,3756)	1:B:39:PHE:HB2	1:B:64:MET:HB3	6	0.84
(1,3674)	1:B:75:LEU:HB3	1:B:21:PHE:HB3	1	0.84
(1,3674)	1:B:75:LEU:HB3	1:B:24:TYR:HB3	1	0.84
(1,3674)	1:B:75:LEU:HB3	1:B:42:PHE:HB3	1	0.84
(1,3674)	1:B:75:LEU:HB3	1:B:63:MET:HB2	1	0.84
(1,3673)	1:A:75:LEU:HB3	1:A:21:PHE:HB3	1	0.84
(1,3673)	1:A:75:LEU:HB3	1:A:24:TYR:HB3	1	0.84
(1,3673)	1:A:75:LEU:HB3	1:A:42:PHE:HB3	1	0.84
(1,3673)	1:A:75:LEU:HB3	1:A:63:MET:HB2	1	0.84
(1,3588)	1:B:75:LEU:HB2	1:B:76:ASP:HB2	16	0.84
(1,3588)	1:B:76:ASP:HB2	1:B:77:PHE:HB3	16	0.84
(1,3587)	1:A:75:LEU:HB2	1:A:76:ASP:HB2	16	0.84
(1,3587)	1:A:76:ASP:HB2	1:A:77:PHE:HB3	16	0.84
(1,358)	1:B:73:GLY:HA2	1:B:72:ASP:HB2	12	0.84
(1,357)	1:A:73:GLY:HA2	1:A:72:ASP:HB2	12	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3568)	1:B:17:LEU:HG	1:A:89:MET:HG3	10	0.84
(1,3568)	1:B:17:LEU:HG	1:B:15:GLU:HG2	10	0.84
(1,3568)	1:B:17:LEU:HG	1:B:21:PHE:HB3	10	0.84
(1,3567)	1:A:17:LEU:HG	1:B:89:MET:HG3	10	0.84
(1,3567)	1:A:17:LEU:HG	1:A:15:GLU:HG2	10	0.84
(1,3567)	1:A:17:LEU:HG	1:A:21:PHE:HB3	10	0.84
(1,320)	1:B:74:GLN:HB3	1:B:76:ASP:HB3	15	0.84
(1,319)	1:A:74:GLN:HB3	1:A:76:ASP:HB3	15	0.84
(1,2138)	1:B:47:LEU:HB2	1:B:50:PHE:HB2	4	0.84
(1,2138)	1:B:47:LEU:HB2	1:B:50:PHE:HB3	4	0.84
(1,2137)	1:A:47:LEU:HB2	1:A:50:PHE:HB2	4	0.84
(1,2137)	1:A:47:LEU:HB2	1:A:50:PHE:HB3	4	0.84
(1,1628)	1:B:24:TYR:HB3	1:B:42:PHE:HB3	2	0.84
(1,1627)	1:A:24:TYR:HB3	1:A:42:PHE:HB3	2	0.84
(1,1014)	1:B:62:ARG:HB3	1:B:63:MET:HG2	7	0.84
(1,1013)	1:A:62:ARG:HB3	1:A:63:MET:HG2	7	0.84
(2,86)	1:B:42:PHE:HB2	1:B:47:LEU:H	1	0.83
(2,86)	1:B:42:PHE:HB2	1:B:47:LEU:H	3	0.83
(2,85)	1:A:42:PHE:HB2	1:A:47:LEU:H	1	0.83
(2,85)	1:A:42:PHE:HB2	1:A:47:LEU:H	3	0.83
(2,15)	1:A:61:ASP:HB2	1:A:62:ARG:HD2	13	0.83
(1,636)	1:B:62:ARG:HG2	1:B:61:ASP:HB2	20	0.83
(1,635)	1:A:62:ARG:HG2	1:A:61:ASP:HB2	20	0.83
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD22	18	0.83
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD21	18	0.83
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD23	18	0.83
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD12	18	0.83
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD11	18	0.83
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD13	18	0.83
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD22	18	0.83
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD21	18	0.83
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD23	18	0.83
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD12	18	0.83
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD11	18	0.83
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD13	18	0.83
(1,4024)	1:B:83:LEU:HB3	1:B:66:LYS:HE2	3	0.83
(1,4024)	1:B:83:LEU:HB3	1:B:66:LYS:HE3	3	0.83
(1,4024)	1:B:83:LEU:HB3	1:B:82:ASN:HB2	3	0.83
(1,2138)	1:B:47:LEU:HB2	1:B:50:PHE:HB2	15	0.83
(1,2138)	1:B:47:LEU:HB2	1:B:50:PHE:HB3	15	0.83
(1,2137)	1:A:47:LEU:HB2	1:A:50:PHE:HB2	15	0.83
(1,2137)	1:A:47:LEU:HB2	1:A:50:PHE:HB3	15	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,210)	1:B:76:ASP:HA	1:B:34:LEU:HB3	1	0.83
(1,1014)	1:B:62:ARG:HB3	1:B:63:MET:HG2	14	0.83
(1,1014)	1:B:62:ARG:HB3	1:B:63:MET:HG2	19	0.83
(1,1013)	1:A:62:ARG:HB3	1:A:63:MET:HG2	14	0.83
(1,1013)	1:A:62:ARG:HB3	1:A:63:MET:HG2	19	0.83
(2,86)	1:B:42:PHE:HB2	1:B:47:LEU:H	20	0.82
(2,85)	1:A:42:PHE:HB2	1:A:47:LEU:H	20	0.82
(2,154)	1:B:71:SER:H	1:B:73:GLY:HA3	20	0.82
(2,153)	1:A:71:SER:H	1:A:73:GLY:HA3	20	0.82
(1,3448)	1:B:35:SER:HA	1:B:28:ASP:HB3	8	0.82
(1,3448)	1:B:35:SER:HA	1:B:76:ASP:HB3	8	0.82
(1,3447)	1:A:35:SER:HA	1:A:28:ASP:HB3	8	0.82
(1,3447)	1:A:35:SER:HA	1:A:76:ASP:HB3	8	0.82
(1,209)	1:A:76:ASP:HA	1:A:34:LEU:HB3	1	0.82
(1,1014)	1:B:62:ARG:HB3	1:B:63:MET:HG2	11	0.82
(1,1013)	1:A:62:ARG:HB3	1:A:63:MET:HG2	11	0.82
(2,86)	1:B:42:PHE:HB2	1:B:47:LEU:H	5	0.81
(2,86)	1:B:42:PHE:HB2	1:B:47:LEU:H	6	0.81
(2,86)	1:B:42:PHE:HB2	1:B:47:LEU:H	10	0.81
(2,85)	1:A:42:PHE:HB2	1:A:47:LEU:H	5	0.81
(2,85)	1:A:42:PHE:HB2	1:A:47:LEU:H	6	0.81
(2,85)	1:A:42:PHE:HB2	1:A:47:LEU:H	10	0.81
(1,56)	1:B:17:LEU:HD12	1:A:13:CYS:HB2	5	0.81
(1,56)	1:B:17:LEU:HD11	1:A:13:CYS:HB2	5	0.81
(1,56)	1:B:17:LEU:HD13	1:A:13:CYS:HB2	5	0.81
(1,55)	1:A:17:LEU:HD12	1:B:13:CYS:HB2	5	0.81
(1,55)	1:A:17:LEU:HD11	1:B:13:CYS:HB2	5	0.81
(1,55)	1:A:17:LEU:HD13	1:B:13:CYS:HB2	5	0.81
(1,55)	1:A:17:LEU:HD12	1:B:13:CYS:HB2	19	0.81
(1,55)	1:A:17:LEU:HD11	1:B:13:CYS:HB2	19	0.81
(1,55)	1:A:17:LEU:HD13	1:B:13:CYS:HB2	19	0.81
(1,4734)	1:B:8:THR:HG21	1:A:46:GLU:HB2	19	0.81
(1,4734)	1:B:8:THR:HG22	1:A:46:GLU:HB2	19	0.81
(1,4734)	1:B:8:THR:HG23	1:A:46:GLU:HB2	19	0.81
(1,4734)	1:B:20:VAL:HG22	1:B:46:GLU:HB2	19	0.81
(1,4734)	1:B:20:VAL:HG21	1:B:46:GLU:HB2	19	0.81
(1,4734)	1:B:20:VAL:HG23	1:B:46:GLU:HB2	19	0.81
(1,4397)	1:A:13:CYS:HB2	1:B:17:LEU:HD12	6	0.81
(1,4397)	1:A:13:CYS:HB2	1:B:17:LEU:HD11	6	0.81
(1,4397)	1:A:13:CYS:HB2	1:B:17:LEU:HD13	6	0.81
(1,4397)	1:A:13:CYS:HB2	1:A:17:LEU:HD12	6	0.81
(1,4397)	1:A:13:CYS:HB2	1:A:17:LEU:HD11	6	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4397)	1:A:13:CYS:HB2	1:A:17:LEU:HD13	6	0.81
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD22	8	0.81
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD21	8	0.81
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD23	8	0.81
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD12	8	0.81
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD11	8	0.81
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD13	8	0.81
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD22	8	0.81
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD21	8	0.81
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD23	8	0.81
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD12	8	0.81
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD11	8	0.81
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD13	8	0.81
(1,635)	1:A:62:ARG:HG2	1:A:61:ASP:HB2	4	0.8
(1,55)	1:A:17:LEU:HD12	1:B:13:CYS:HB2	10	0.8
(1,55)	1:A:17:LEU:HD11	1:B:13:CYS:HB2	10	0.8
(1,55)	1:A:17:LEU:HD13	1:B:13:CYS:HB2	10	0.8
(1,5416)	1:B:69:THR:H	1:B:74:GLN:HG2	19	0.8
(1,5416)	1:B:69:THR:H	1:B:74:GLN:HG3	19	0.8
(1,5416)	1:B:69:THR:H	1:B:75:LEU:HB2	19	0.8
(1,5415)	1:A:69:THR:H	1:A:74:GLN:HG2	19	0.8
(1,5415)	1:A:69:THR:H	1:A:74:GLN:HG3	19	0.8
(1,5415)	1:A:69:THR:H	1:A:75:LEU:HB2	19	0.8
(1,4734)	1:B:8:THR:HG21	1:A:46:GLU:HB2	20	0.8
(1,4734)	1:B:8:THR:HG22	1:A:46:GLU:HB2	20	0.8
(1,4734)	1:B:8:THR:HG23	1:A:46:GLU:HB2	20	0.8
(1,4734)	1:B:20:VAL:HG22	1:B:46:GLU:HB2	20	0.8
(1,4734)	1:B:20:VAL:HG21	1:B:46:GLU:HB2	20	0.8
(1,4734)	1:B:20:VAL:HG23	1:B:46:GLU:HB2	20	0.8
(1,4733)	1:A:8:THR:HG21	1:B:46:GLU:HB2	20	0.8
(1,4733)	1:A:8:THR:HG22	1:B:46:GLU:HB2	20	0.8
(1,4733)	1:A:8:THR:HG23	1:B:46:GLU:HB2	20	0.8
(1,4733)	1:A:20:VAL:HG22	1:A:46:GLU:HB2	20	0.8
(1,4733)	1:A:20:VAL:HG21	1:A:46:GLU:HB2	20	0.8
(1,4733)	1:A:20:VAL:HG23	1:A:46:GLU:HB2	20	0.8
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD22	1	0.8
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD21	1	0.8
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD23	1	0.8
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD12	1	0.8
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD11	1	0.8
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD13	1	0.8
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD22	1	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD21	1	0.8
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD23	1	0.8
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD12	1	0.8
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD11	1	0.8
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD13	1	0.8
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD22	16	0.8
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD21	16	0.8
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD23	16	0.8
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD22	16	0.8
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD21	16	0.8
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD23	16	0.8
(1,3674)	1:B:75:LEU:HB3	1:B:21:PHE:HB3	7	0.8
(1,3674)	1:B:75:LEU:HB3	1:B:24:TYR:HB3	7	0.8
(1,3674)	1:B:75:LEU:HB3	1:B:42:PHE:HB3	7	0.8
(1,3674)	1:B:75:LEU:HB3	1:B:63:MET:HB2	7	0.8
(1,3674)	1:B:75:LEU:HB3	1:B:21:PHE:HB3	19	0.8
(1,3674)	1:B:75:LEU:HB3	1:B:24:TYR:HB3	19	0.8
(1,3674)	1:B:75:LEU:HB3	1:B:42:PHE:HB3	19	0.8
(1,3674)	1:B:75:LEU:HB3	1:B:63:MET:HB2	19	0.8
(1,3673)	1:A:75:LEU:HB3	1:A:21:PHE:HB3	7	0.8
(1,3673)	1:A:75:LEU:HB3	1:A:24:TYR:HB3	7	0.8
(1,3673)	1:A:75:LEU:HB3	1:A:42:PHE:HB3	7	0.8
(1,3673)	1:A:75:LEU:HB3	1:A:63:MET:HB2	7	0.8
(1,3673)	1:A:75:LEU:HB3	1:A:21:PHE:HB3	19	0.8
(1,3673)	1:A:75:LEU:HB3	1:A:24:TYR:HB3	19	0.8
(1,3673)	1:A:75:LEU:HB3	1:A:42:PHE:HB3	19	0.8
(1,3673)	1:A:75:LEU:HB3	1:A:63:MET:HB2	19	0.8
(1,320)	1:B:74:GLN:HB3	1:B:76:ASP:HB3	14	0.8
(1,319)	1:A:74:GLN:HB3	1:A:76:ASP:HB3	14	0.8
(1,1014)	1:B:62:ARG:HB3	1:B:63:MET:HG2	12	0.8
(1,1013)	1:A:62:ARG:HB3	1:A:63:MET:HG2	12	0.8
(2,85)	1:A:42:PHE:HB2	1:A:47:LEU:H	14	0.79
(1,636)	1:B:62:ARG:HG2	1:B:61:ASP:HB2	4	0.79
(1,56)	1:B:17:LEU:HD12	1:A:13:CYS:HB2	10	0.79
(1,56)	1:B:17:LEU:HD11	1:A:13:CYS:HB2	10	0.79
(1,56)	1:B:17:LEU:HD13	1:A:13:CYS:HB2	10	0.79
(1,4733)	1:A:8:THR:HG21	1:B:46:GLU:HB2	16	0.79
(1,4733)	1:A:8:THR:HG22	1:B:46:GLU:HB2	16	0.79
(1,4733)	1:A:8:THR:HG23	1:B:46:GLU:HB2	16	0.79
(1,4733)	1:A:20:VAL:HG22	1:A:46:GLU:HB2	16	0.79
(1,4733)	1:A:20:VAL:HG21	1:A:46:GLU:HB2	16	0.79
(1,4733)	1:A:20:VAL:HG23	1:A:46:GLU:HB2	16	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4733)	1:A:8:THR:HG21	1:B:46:GLU:HB2	19	0.79
(1,4733)	1:A:8:THR:HG22	1:B:46:GLU:HB2	19	0.79
(1,4733)	1:A:8:THR:HG23	1:B:46:GLU:HB2	19	0.79
(1,4733)	1:A:20:VAL:HG22	1:A:46:GLU:HB2	19	0.79
(1,4733)	1:A:20:VAL:HG21	1:A:46:GLU:HB2	19	0.79
(1,4733)	1:A:20:VAL:HG23	1:A:46:GLU:HB2	19	0.79
(1,4398)	1:B:13:CYS:HB2	1:A:17:LEU:HD12	6	0.79
(1,4398)	1:B:13:CYS:HB2	1:A:17:LEU:HD11	6	0.79
(1,4398)	1:B:13:CYS:HB2	1:A:17:LEU:HD13	6	0.79
(1,4398)	1:B:13:CYS:HB2	1:B:17:LEU:HD12	6	0.79
(1,4398)	1:B:13:CYS:HB2	1:B:17:LEU:HD11	6	0.79
(1,4398)	1:B:13:CYS:HB2	1:B:17:LEU:HD13	6	0.79
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD22	17	0.79
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD21	17	0.79
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD23	17	0.79
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD12	17	0.79
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD11	17	0.79
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD13	17	0.79
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD22	17	0.79
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD21	17	0.79
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD23	17	0.79
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD12	17	0.79
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD11	17	0.79
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD13	17	0.79
(1,4312)	1:B:68:ASP:HB2	1:B:64:MET:HB2	9	0.79
(1,4312)	1:B:68:ASP:HB2	1:B:75:LEU:HB2	9	0.79
(1,4312)	1:B:21:PHE:HB2	1:B:22:GLN:HB2	9	0.79
(1,4312)	1:B:21:PHE:HB2	1:B:22:GLN:HB3	9	0.79
(1,4311)	1:A:68:ASP:HB2	1:A:64:MET:HB2	9	0.79
(1,4311)	1:A:68:ASP:HB2	1:A:75:LEU:HB2	9	0.79
(1,4311)	1:A:21:PHE:HB2	1:A:22:GLN:HB2	9	0.79
(1,4311)	1:A:21:PHE:HB2	1:A:22:GLN:HB3	9	0.79
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD22	16	0.79
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD21	16	0.79
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD23	16	0.79
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD22	16	0.79
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD21	16	0.79
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD23	16	0.79
(1,3674)	1:B:75:LEU:HB3	1:B:21:PHE:HB3	2	0.79
(1,3674)	1:B:75:LEU:HB3	1:B:24:TYR:HB3	2	0.79
(1,3674)	1:B:75:LEU:HB3	1:B:42:PHE:HB3	2	0.79
(1,3674)	1:B:75:LEU:HB3	1:B:63:MET:HB2	2	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3673)	1:A:75:LEU:HB3	1:A:21:PHE:HB3	2	0.79
(1,3673)	1:A:75:LEU:HB3	1:A:24:TYR:HB3	2	0.79
(1,3673)	1:A:75:LEU:HB3	1:A:42:PHE:HB3	2	0.79
(1,3673)	1:A:75:LEU:HB3	1:A:63:MET:HB2	2	0.79
(1,3605)	1:A:77:PHE:HB3	1:B:88:ALA:HB2	19	0.79
(1,3605)	1:A:77:PHE:HB3	1:B:88:ALA:HB1	19	0.79
(1,3605)	1:A:77:PHE:HB3	1:B:88:ALA:HB3	19	0.79
(1,3605)	1:A:77:PHE:HB3	1:B:90:ALA:HB2	19	0.79
(1,3605)	1:A:77:PHE:HB3	1:B:90:ALA:HB1	19	0.79
(1,3605)	1:A:77:PHE:HB3	1:B:90:ALA:HB3	19	0.79
(1,3605)	1:A:77:PHE:HB3	1:A:17:LEU:HB3	19	0.79
(1,3270)	1:B:74:GLN:H	1:B:74:GLN:HB3	18	0.79
(1,3269)	1:A:74:GLN:H	1:A:74:GLN:HB3	15	0.79
(1,3269)	1:A:74:GLN:H	1:A:74:GLN:HB3	18	0.79
(1,2696)	1:B:82:ASN:H	1:B:83:LEU:HB2	11	0.79
(1,2695)	1:A:82:ASN:H	1:A:83:LEU:HB2	11	0.79
(1,1030)	1:B:38:GLU:HB3	1:B:24:TYR:HB2	14	0.79
(1,1029)	1:A:38:GLU:HB3	1:A:24:TYR:HB2	14	0.79
(2,86)	1:B:42:PHE:HB2	1:B:47:LEU:H	14	0.78
(2,56)	1:B:23:LYS:HG2	1:B:26:GLY:H	11	0.78
(2,55)	1:A:23:LYS:HG2	1:A:26:GLY:H	11	0.78
(2,16)	1:B:61:ASP:HB2	1:B:62:ARG:HD2	17	0.78
(1,56)	1:B:17:LEU:HD12	1:A:13:CYS:HB2	19	0.78
(1,56)	1:B:17:LEU:HD11	1:A:13:CYS:HB2	19	0.78
(1,56)	1:B:17:LEU:HD13	1:A:13:CYS:HB2	19	0.78
(1,4734)	1:B:8:THR:HG21	1:A:46:GLU:HB2	16	0.78
(1,4734)	1:B:8:THR:HG22	1:A:46:GLU:HB2	16	0.78
(1,4734)	1:B:8:THR:HG23	1:A:46:GLU:HB2	16	0.78
(1,4734)	1:B:20:VAL:HG22	1:B:46:GLU:HB2	16	0.78
(1,4734)	1:B:20:VAL:HG21	1:B:46:GLU:HB2	16	0.78
(1,4734)	1:B:20:VAL:HG23	1:B:46:GLU:HB2	16	0.78
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD22	12	0.78
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD21	12	0.78
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD23	12	0.78
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD12	12	0.78
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD11	12	0.78
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD13	12	0.78
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD22	12	0.78
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD21	12	0.78
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD23	12	0.78
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD12	12	0.78
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD11	12	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD13	12	0.78
(1,4312)	1:B:68:ASP:HB2	1:B:64:MET:HB2	1	0.78
(1,4312)	1:B:68:ASP:HB2	1:B:75:LEU:HB2	1	0.78
(1,4312)	1:B:21:PHE:HB2	1:B:22:GLN:HB2	1	0.78
(1,4312)	1:B:21:PHE:HB2	1:B:22:GLN:HB3	1	0.78
(1,4312)	1:B:68:ASP:HB2	1:B:64:MET:HB2	12	0.78
(1,4312)	1:B:68:ASP:HB2	1:B:75:LEU:HB2	12	0.78
(1,4312)	1:B:21:PHE:HB2	1:B:22:GLN:HB2	12	0.78
(1,4312)	1:B:21:PHE:HB2	1:B:22:GLN:HB3	12	0.78
(1,4311)	1:A:68:ASP:HB2	1:A:64:MET:HB2	1	0.78
(1,4311)	1:A:68:ASP:HB2	1:A:75:LEU:HB2	1	0.78
(1,4311)	1:A:21:PHE:HB2	1:A:22:GLN:HB2	1	0.78
(1,4311)	1:A:21:PHE:HB2	1:A:22:GLN:HB3	1	0.78
(1,4311)	1:A:68:ASP:HB2	1:A:64:MET:HB2	12	0.78
(1,4311)	1:A:68:ASP:HB2	1:A:75:LEU:HB2	12	0.78
(1,4311)	1:A:21:PHE:HB2	1:A:22:GLN:HB2	12	0.78
(1,4311)	1:A:21:PHE:HB2	1:A:22:GLN:HB3	12	0.78
(1,412)	1:B:62:ARG:HD2	1:B:59:VAL:HG12	1	0.78
(1,412)	1:B:62:ARG:HD2	1:B:59:VAL:HG11	1	0.78
(1,412)	1:B:62:ARG:HD2	1:B:59:VAL:HG13	1	0.78
(1,411)	1:A:62:ARG:HD2	1:A:59:VAL:HG12	1	0.78
(1,411)	1:A:62:ARG:HD2	1:A:59:VAL:HG11	1	0.78
(1,411)	1:A:62:ARG:HD2	1:A:59:VAL:HG13	1	0.78
(1,3606)	1:B:77:PHE:HB3	1:A:88:ALA:HB2	19	0.78
(1,3606)	1:B:77:PHE:HB3	1:A:88:ALA:HB1	19	0.78
(1,3606)	1:B:77:PHE:HB3	1:A:88:ALA:HB3	19	0.78
(1,3606)	1:B:77:PHE:HB3	1:A:90:ALA:HB2	19	0.78
(1,3606)	1:B:77:PHE:HB3	1:A:90:ALA:HB1	19	0.78
(1,3606)	1:B:77:PHE:HB3	1:A:90:ALA:HB3	19	0.78
(1,3606)	1:B:77:PHE:HB3	1:B:17:LEU:HB3	19	0.78
(1,3270)	1:B:74:GLN:H	1:B:74:GLN:HB3	1	0.78
(1,3270)	1:B:74:GLN:H	1:B:74:GLN:HB3	4	0.78
(1,3270)	1:B:74:GLN:H	1:B:74:GLN:HB3	6	0.78
(1,3270)	1:B:74:GLN:H	1:B:74:GLN:HB3	9	0.78
(1,3270)	1:B:74:GLN:H	1:B:74:GLN:HB3	15	0.78
(1,3269)	1:A:74:GLN:H	1:A:74:GLN:HB3	1	0.78
(1,3269)	1:A:74:GLN:H	1:A:74:GLN:HB3	4	0.78
(1,3269)	1:A:74:GLN:H	1:A:74:GLN:HB3	6	0.78
(1,3269)	1:A:74:GLN:H	1:A:74:GLN:HB3	9	0.78
(1,3269)	1:A:74:GLN:H	1:A:74:GLN:HB3	20	0.78
(1,1918)	1:B:94:SER:H	1:B:93:ASP:HB2	10	0.78
(1,1917)	1:A:94:SER:H	1:A:93:ASP:HB2	10	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,15)	1:A:61:ASP:HB2	1:A:62:ARG:HD2	17	0.77
(1,55)	1:A:17:LEU:HD12	1:B:13:CYS:HB2	3	0.77
(1,55)	1:A:17:LEU:HD11	1:B:13:CYS:HB2	3	0.77
(1,55)	1:A:17:LEU:HD13	1:B:13:CYS:HB2	3	0.77
(1,4733)	1:A:8:THR:HG21	1:B:46:GLU:HB2	6	0.77
(1,4733)	1:A:8:THR:HG22	1:B:46:GLU:HB2	6	0.77
(1,4733)	1:A:8:THR:HG23	1:B:46:GLU:HB2	6	0.77
(1,4733)	1:A:20:VAL:HG22	1:A:46:GLU:HB2	6	0.77
(1,4733)	1:A:20:VAL:HG21	1:A:46:GLU:HB2	6	0.77
(1,4733)	1:A:20:VAL:HG23	1:A:46:GLU:HB2	6	0.77
(1,4398)	1:B:13:CYS:HB2	1:A:17:LEU:HD12	14	0.77
(1,4398)	1:B:13:CYS:HB2	1:A:17:LEU:HD11	14	0.77
(1,4398)	1:B:13:CYS:HB2	1:A:17:LEU:HD13	14	0.77
(1,4398)	1:B:13:CYS:HB2	1:B:17:LEU:HD12	14	0.77
(1,4398)	1:B:13:CYS:HB2	1:B:17:LEU:HD11	14	0.77
(1,4398)	1:B:13:CYS:HB2	1:B:17:LEU:HD13	14	0.77
(1,4397)	1:A:13:CYS:HB2	1:B:17:LEU:HD12	14	0.77
(1,4397)	1:A:13:CYS:HB2	1:B:17:LEU:HD11	14	0.77
(1,4397)	1:A:13:CYS:HB2	1:B:17:LEU:HD13	14	0.77
(1,4397)	1:A:13:CYS:HB2	1:A:17:LEU:HD12	14	0.77
(1,4397)	1:A:13:CYS:HB2	1:A:17:LEU:HD11	14	0.77
(1,4397)	1:A:13:CYS:HB2	1:A:17:LEU:HD13	14	0.77
(1,4397)	1:A:13:CYS:HB2	1:B:17:LEU:HD12	17	0.77
(1,4397)	1:A:13:CYS:HB2	1:B:17:LEU:HD11	17	0.77
(1,4397)	1:A:13:CYS:HB2	1:B:17:LEU:HD13	17	0.77
(1,4397)	1:A:13:CYS:HB2	1:A:17:LEU:HD12	17	0.77
(1,4397)	1:A:13:CYS:HB2	1:A:17:LEU:HD11	17	0.77
(1,4397)	1:A:13:CYS:HB2	1:A:17:LEU:HD13	17	0.77
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD22	3	0.77
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD21	3	0.77
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD23	3	0.77
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD12	3	0.77
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD11	3	0.77
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD13	3	0.77
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD22	6	0.77
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD21	6	0.77
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD23	6	0.77
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD12	6	0.77
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD11	6	0.77
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD13	6	0.77
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD22	13	0.77
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD21	13	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD23	13	0.77
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD12	13	0.77
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD11	13	0.77
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD13	13	0.77
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD22	3	0.77
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD21	3	0.77
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD23	3	0.77
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD12	3	0.77
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD11	3	0.77
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD13	3	0.77
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD22	6	0.77
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD21	6	0.77
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD23	6	0.77
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD12	6	0.77
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD11	6	0.77
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD13	6	0.77
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD22	13	0.77
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD21	13	0.77
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD23	13	0.77
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD12	13	0.77
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD11	13	0.77
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD13	13	0.77
(1,3778)	1:B:57:PRO:HA	1:B:61:ASP:HB3	5	0.77
(1,3778)	1:B:57:PRO:HA	1:B:63:MET:HG3	5	0.77
(1,3777)	1:A:57:PRO:HA	1:A:61:ASP:HB3	5	0.77
(1,3777)	1:A:57:PRO:HA	1:A:63:MET:HG3	5	0.77
(1,3538)	1:B:39:PHE:HB3	1:B:34:LEU:HA	7	0.77
(1,3538)	1:B:34:LEU:HA	1:B:80:PHE:HB2	7	0.77
(1,3537)	1:A:39:PHE:HB3	1:A:34:LEU:HA	7	0.77
(1,3537)	1:A:34:LEU:HA	1:A:80:PHE:HB2	7	0.77
(1,3270)	1:B:74:GLN:H	1:B:74:GLN:HB3	8	0.77
(1,3270)	1:B:74:GLN:H	1:B:74:GLN:HB3	20	0.77
(1,3269)	1:A:74:GLN:H	1:A:74:GLN:HB3	8	0.77
(1,2138)	1:B:47:LEU:HB2	1:B:50:PHE:HB2	9	0.77
(1,2138)	1:B:47:LEU:HB2	1:B:50:PHE:HB3	9	0.77
(1,2137)	1:A:47:LEU:HB2	1:A:50:PHE:HB2	9	0.77
(1,2137)	1:A:47:LEU:HB2	1:A:50:PHE:HB3	9	0.77
(1,1030)	1:B:38:GLU:HB3	1:B:24:TYR:HB2	17	0.77
(1,1014)	1:B:62:ARG:HB3	1:B:63:MET:HG2	18	0.77
(1,624)	1:B:34:LEU:HB2	1:B:38:GLU:HB2	6	0.76
(1,623)	1:A:34:LEU:HB2	1:A:38:GLU:HB2	6	0.76
(1,55)	1:A:17:LEU:HD12	1:B:13:CYS:HB2	20	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,55)	1:A:17:LEU:HD11	1:B:13:CYS:HB2	20	0.76
(1,55)	1:A:17:LEU:HD13	1:B:13:CYS:HB2	20	0.76
(1,4734)	1:B:8:THR:HG21	1:A:46:GLU:HB2	6	0.76
(1,4734)	1:B:8:THR:HG22	1:A:46:GLU:HB2	6	0.76
(1,4734)	1:B:8:THR:HG23	1:A:46:GLU:HB2	6	0.76
(1,4734)	1:B:20:VAL:HG22	1:B:46:GLU:HB2	6	0.76
(1,4734)	1:B:20:VAL:HG21	1:B:46:GLU:HB2	6	0.76
(1,4734)	1:B:20:VAL:HG23	1:B:46:GLU:HB2	6	0.76
(1,4734)	1:B:8:THR:HG21	1:A:46:GLU:HB2	14	0.76
(1,4734)	1:B:8:THR:HG22	1:A:46:GLU:HB2	14	0.76
(1,4734)	1:B:8:THR:HG23	1:A:46:GLU:HB2	14	0.76
(1,4734)	1:B:20:VAL:HG22	1:B:46:GLU:HB2	14	0.76
(1,4734)	1:B:20:VAL:HG21	1:B:46:GLU:HB2	14	0.76
(1,4734)	1:B:20:VAL:HG23	1:B:46:GLU:HB2	14	0.76
(1,4733)	1:A:8:THR:HG21	1:B:46:GLU:HB2	14	0.76
(1,4733)	1:A:8:THR:HG22	1:B:46:GLU:HB2	14	0.76
(1,4733)	1:A:8:THR:HG23	1:B:46:GLU:HB2	14	0.76
(1,4733)	1:A:20:VAL:HG22	1:A:46:GLU:HB2	14	0.76
(1,4733)	1:A:20:VAL:HG21	1:A:46:GLU:HB2	14	0.76
(1,4733)	1:A:20:VAL:HG23	1:A:46:GLU:HB2	14	0.76
(1,4398)	1:B:13:CYS:HB2	1:A:17:LEU:HD12	15	0.76
(1,4398)	1:B:13:CYS:HB2	1:A:17:LEU:HD11	15	0.76
(1,4398)	1:B:13:CYS:HB2	1:A:17:LEU:HD13	15	0.76
(1,4398)	1:B:13:CYS:HB2	1:B:17:LEU:HD12	15	0.76
(1,4398)	1:B:13:CYS:HB2	1:B:17:LEU:HD11	15	0.76
(1,4398)	1:B:13:CYS:HB2	1:B:17:LEU:HD13	15	0.76
(1,4398)	1:B:13:CYS:HB2	1:A:17:LEU:HD12	17	0.76
(1,4398)	1:B:13:CYS:HB2	1:A:17:LEU:HD11	17	0.76
(1,4398)	1:B:13:CYS:HB2	1:A:17:LEU:HD13	17	0.76
(1,4398)	1:B:13:CYS:HB2	1:B:17:LEU:HD12	17	0.76
(1,4398)	1:B:13:CYS:HB2	1:B:17:LEU:HD11	17	0.76
(1,4398)	1:B:13:CYS:HB2	1:B:17:LEU:HD13	17	0.76
(1,4397)	1:A:13:CYS:HB2	1:B:17:LEU:HD12	15	0.76
(1,4397)	1:A:13:CYS:HB2	1:B:17:LEU:HD11	15	0.76
(1,4397)	1:A:13:CYS:HB2	1:B:17:LEU:HD13	15	0.76
(1,4397)	1:A:13:CYS:HB2	1:A:17:LEU:HD12	15	0.76
(1,4397)	1:A:13:CYS:HB2	1:A:17:LEU:HD11	15	0.76
(1,4397)	1:A:13:CYS:HB2	1:A:17:LEU:HD13	15	0.76
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD22	9	0.76
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD21	9	0.76
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD23	9	0.76
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD12	9	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD11	9	0.76
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD13	9	0.76
(1,4196)	1:B:52:LYS:HD2	1:B:53:ASN:HB3	4	0.76
(1,4196)	1:B:52:LYS:HD3	1:B:53:ASN:HB3	4	0.76
(1,4196)	1:B:52:LYS:HD2	1:B:44:ASN:HB3	4	0.76
(1,4196)	1:B:52:LYS:HD3	1:B:44:ASN:HB3	4	0.76
(1,4196)	1:B:52:LYS:HB2	1:B:53:ASN:HB3	4	0.76
(1,4196)	1:B:52:LYS:HB3	1:B:53:ASN:HB3	4	0.76
(1,4196)	1:B:52:LYS:HD2	1:B:53:ASN:HB3	13	0.76
(1,4196)	1:B:52:LYS:HD3	1:B:53:ASN:HB3	13	0.76
(1,4196)	1:B:52:LYS:HD2	1:B:44:ASN:HB3	13	0.76
(1,4196)	1:B:52:LYS:HD3	1:B:44:ASN:HB3	13	0.76
(1,4196)	1:B:52:LYS:HB2	1:B:53:ASN:HB3	13	0.76
(1,4196)	1:B:52:LYS:HB3	1:B:53:ASN:HB3	13	0.76
(1,4196)	1:B:52:LYS:HD2	1:B:53:ASN:HB3	14	0.76
(1,4196)	1:B:52:LYS:HD3	1:B:53:ASN:HB3	14	0.76
(1,4196)	1:B:52:LYS:HD2	1:B:44:ASN:HB3	14	0.76
(1,4196)	1:B:52:LYS:HD3	1:B:44:ASN:HB3	14	0.76
(1,4196)	1:B:52:LYS:HB2	1:B:53:ASN:HB3	14	0.76
(1,4196)	1:B:52:LYS:HB3	1:B:53:ASN:HB3	14	0.76
(1,4196)	1:B:52:LYS:HD2	1:B:53:ASN:HB3	17	0.76
(1,4196)	1:B:52:LYS:HD3	1:B:53:ASN:HB3	17	0.76
(1,4196)	1:B:52:LYS:HD2	1:B:44:ASN:HB3	17	0.76
(1,4196)	1:B:52:LYS:HD3	1:B:44:ASN:HB3	17	0.76
(1,4196)	1:B:52:LYS:HB2	1:B:53:ASN:HB3	17	0.76
(1,4196)	1:B:52:LYS:HB3	1:B:53:ASN:HB3	17	0.76
(1,4195)	1:A:52:LYS:HD2	1:A:53:ASN:HB3	4	0.76
(1,4195)	1:A:52:LYS:HD3	1:A:53:ASN:HB3	4	0.76
(1,4195)	1:A:52:LYS:HD2	1:A:44:ASN:HB3	4	0.76
(1,4195)	1:A:52:LYS:HD3	1:A:44:ASN:HB3	4	0.76
(1,4195)	1:A:52:LYS:HB2	1:A:53:ASN:HB3	4	0.76
(1,4195)	1:A:52:LYS:HB3	1:A:53:ASN:HB3	4	0.76
(1,4195)	1:A:52:LYS:HD2	1:A:53:ASN:HB3	13	0.76
(1,4195)	1:A:52:LYS:HD3	1:A:53:ASN:HB3	13	0.76
(1,4195)	1:A:52:LYS:HD2	1:A:44:ASN:HB3	13	0.76
(1,4195)	1:A:52:LYS:HD3	1:A:44:ASN:HB3	13	0.76
(1,4195)	1:A:52:LYS:HB2	1:A:53:ASN:HB3	13	0.76
(1,4195)	1:A:52:LYS:HB3	1:A:53:ASN:HB3	13	0.76
(1,4195)	1:A:52:LYS:HD2	1:A:53:ASN:HB3	14	0.76
(1,4195)	1:A:52:LYS:HD3	1:A:53:ASN:HB3	14	0.76
(1,4195)	1:A:52:LYS:HD2	1:A:44:ASN:HB3	14	0.76
(1,4195)	1:A:52:LYS:HD3	1:A:44:ASN:HB3	14	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4195)	1:A:52:LYS:HB2	1:A:53:ASN:HB3	14	0.76
(1,4195)	1:A:52:LYS:HB3	1:A:53:ASN:HB3	14	0.76
(1,4195)	1:A:52:LYS:HD2	1:A:53:ASN:HB3	17	0.76
(1,4195)	1:A:52:LYS:HD3	1:A:53:ASN:HB3	17	0.76
(1,4195)	1:A:52:LYS:HD2	1:A:44:ASN:HB3	17	0.76
(1,4195)	1:A:52:LYS:HD3	1:A:44:ASN:HB3	17	0.76
(1,4195)	1:A:52:LYS:HB2	1:A:53:ASN:HB3	17	0.76
(1,4195)	1:A:52:LYS:HB3	1:A:53:ASN:HB3	17	0.76
(1,412)	1:B:62:ARG:HD2	1:B:59:VAL:HG12	18	0.76
(1,412)	1:B:62:ARG:HD2	1:B:59:VAL:HG11	18	0.76
(1,412)	1:B:62:ARG:HD2	1:B:59:VAL:HG13	18	0.76
(1,411)	1:A:62:ARG:HD2	1:A:59:VAL:HG12	18	0.76
(1,411)	1:A:62:ARG:HD2	1:A:59:VAL:HG11	18	0.76
(1,411)	1:A:62:ARG:HD2	1:A:59:VAL:HG13	18	0.76
(1,4105)	1:A:47:LEU:HB2	1:A:60:LEU:HB2	7	0.76
(1,4105)	1:A:47:LEU:HB2	1:B:7:PRO:HB3	7	0.76
(1,4105)	1:A:47:LEU:HB2	1:B:11:GLU:HB2	7	0.76
(1,4105)	1:A:47:LEU:HB2	1:B:11:GLU:HB3	7	0.76
(1,4105)	1:A:47:LEU:HB2	1:B:14:ILE:HB	7	0.76
(1,3778)	1:B:57:PRO:HA	1:B:61:ASP:HB3	3	0.76
(1,3778)	1:B:57:PRO:HA	1:B:63:MET:HG3	3	0.76
(1,3777)	1:A:57:PRO:HA	1:A:61:ASP:HB3	3	0.76
(1,3777)	1:A:57:PRO:HA	1:A:63:MET:HG3	3	0.76
(1,3674)	1:B:75:LEU:HB3	1:B:21:PHE:HB3	4	0.76
(1,3674)	1:B:75:LEU:HB3	1:B:24:TYR:HB3	4	0.76
(1,3674)	1:B:75:LEU:HB3	1:B:42:PHE:HB3	4	0.76
(1,3674)	1:B:75:LEU:HB3	1:B:63:MET:HB2	4	0.76
(1,3674)	1:B:75:LEU:HB3	1:B:21:PHE:HB3	14	0.76
(1,3674)	1:B:75:LEU:HB3	1:B:24:TYR:HB3	14	0.76
(1,3674)	1:B:75:LEU:HB3	1:B:42:PHE:HB3	14	0.76
(1,3674)	1:B:75:LEU:HB3	1:B:63:MET:HB2	14	0.76
(1,3673)	1:A:75:LEU:HB3	1:A:21:PHE:HB3	14	0.76
(1,3673)	1:A:75:LEU:HB3	1:A:24:TYR:HB3	14	0.76
(1,3673)	1:A:75:LEU:HB3	1:A:42:PHE:HB3	14	0.76
(1,3673)	1:A:75:LEU:HB3	1:A:63:MET:HB2	14	0.76
(1,3270)	1:B:74:GLN:H	1:B:74:GLN:HB3	5	0.76
(1,3270)	1:B:74:GLN:H	1:B:74:GLN:HB3	7	0.76
(1,3270)	1:B:74:GLN:H	1:B:74:GLN:HB3	12	0.76
(1,3269)	1:A:74:GLN:H	1:A:74:GLN:HB3	5	0.76
(1,3269)	1:A:74:GLN:H	1:A:74:GLN:HB3	7	0.76
(1,3269)	1:A:74:GLN:H	1:A:74:GLN:HB3	12	0.76
(1,296)	1:B:58:GLY:HA2	1:B:59:VAL:HB	11	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,295)	1:A:58:GLY:HA2	1:A:59:VAL:HB	11	0.76
(1,2696)	1:B:82:ASN:H	1:B:83:LEU:HB2	7	0.76
(1,2695)	1:A:82:ASN:H	1:A:83:LEU:HB2	1	0.76
(1,210)	1:B:76:ASP:HA	1:B:34:LEU:HB3	12	0.76
(1,209)	1:A:76:ASP:HA	1:A:34:LEU:HB3	12	0.76
(1,1918)	1:B:94:SER:H	1:B:93:ASP:HB2	5	0.76
(1,1917)	1:A:94:SER:H	1:A:93:ASP:HB2	5	0.76
(1,1029)	1:A:38:GLU:HB3	1:A:24:TYR:HB2	17	0.76
(1,1014)	1:B:62:ARG:HB3	1:B:63:MET:HG2	3	0.76
(1,1013)	1:A:62:ARG:HB3	1:A:63:MET:HG2	3	0.76
(1,1013)	1:A:62:ARG:HB3	1:A:63:MET:HG2	18	0.76
(1,56)	1:B:17:LEU:HD12	1:A:13:CYS:HB2	20	0.75
(1,56)	1:B:17:LEU:HD11	1:A:13:CYS:HB2	20	0.75
(1,56)	1:B:17:LEU:HD13	1:A:13:CYS:HB2	20	0.75
(1,476)	1:B:67:LEU:HB3	1:B:75:LEU:HB2	17	0.75
(1,475)	1:A:67:LEU:HB3	1:A:75:LEU:HB2	17	0.75
(1,4734)	1:B:8:THR:HG21	1:A:46:GLU:HB2	3	0.75
(1,4734)	1:B:8:THR:HG22	1:A:46:GLU:HB2	3	0.75
(1,4734)	1:B:8:THR:HG23	1:A:46:GLU:HB2	3	0.75
(1,4734)	1:B:20:VAL:HG22	1:B:46:GLU:HB2	3	0.75
(1,4734)	1:B:20:VAL:HG21	1:B:46:GLU:HB2	3	0.75
(1,4734)	1:B:20:VAL:HG23	1:B:46:GLU:HB2	3	0.75
(1,4734)	1:B:8:THR:HG21	1:A:46:GLU:HB2	11	0.75
(1,4734)	1:B:8:THR:HG22	1:A:46:GLU:HB2	11	0.75
(1,4734)	1:B:8:THR:HG23	1:A:46:GLU:HB2	11	0.75
(1,4734)	1:B:20:VAL:HG22	1:B:46:GLU:HB2	11	0.75
(1,4734)	1:B:20:VAL:HG21	1:B:46:GLU:HB2	11	0.75
(1,4734)	1:B:20:VAL:HG23	1:B:46:GLU:HB2	11	0.75
(1,4733)	1:A:8:THR:HG21	1:B:46:GLU:HB2	11	0.75
(1,4733)	1:A:8:THR:HG22	1:B:46:GLU:HB2	11	0.75
(1,4733)	1:A:8:THR:HG23	1:B:46:GLU:HB2	11	0.75
(1,4733)	1:A:20:VAL:HG22	1:A:46:GLU:HB2	11	0.75
(1,4733)	1:A:20:VAL:HG21	1:A:46:GLU:HB2	11	0.75
(1,4733)	1:A:20:VAL:HG23	1:A:46:GLU:HB2	11	0.75
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD22	9	0.75
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD21	9	0.75
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD23	9	0.75
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD12	9	0.75
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD11	9	0.75
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD13	9	0.75
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD22	14	0.75
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD21	14	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD23	14	0.75
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD12	14	0.75
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD11	14	0.75
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD13	14	0.75
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD22	14	0.75
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD21	14	0.75
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD23	14	0.75
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD12	14	0.75
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD11	14	0.75
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD13	14	0.75
(1,4312)	1:B:68:ASP:HB2	1:B:64:MET:HB2	5	0.75
(1,4312)	1:B:68:ASP:HB2	1:B:75:LEU:HB2	5	0.75
(1,4312)	1:B:21:PHE:HB2	1:B:22:GLN:HB2	5	0.75
(1,4312)	1:B:21:PHE:HB2	1:B:22:GLN:HB3	5	0.75
(1,4312)	1:B:68:ASP:HB2	1:B:64:MET:HB2	16	0.75
(1,4312)	1:B:68:ASP:HB2	1:B:75:LEU:HB2	16	0.75
(1,4312)	1:B:21:PHE:HB2	1:B:22:GLN:HB2	16	0.75
(1,4312)	1:B:21:PHE:HB2	1:B:22:GLN:HB3	16	0.75
(1,4311)	1:A:68:ASP:HB2	1:A:64:MET:HB2	5	0.75
(1,4311)	1:A:68:ASP:HB2	1:A:75:LEU:HB2	5	0.75
(1,4311)	1:A:21:PHE:HB2	1:A:22:GLN:HB2	5	0.75
(1,4311)	1:A:21:PHE:HB2	1:A:22:GLN:HB3	5	0.75
(1,4106)	1:B:47:LEU:HB2	1:B:60:LEU:HB2	7	0.75
(1,4106)	1:B:47:LEU:HB2	1:A:7:PRO:HB3	7	0.75
(1,4106)	1:B:47:LEU:HB2	1:A:11:GLU:HB2	7	0.75
(1,4106)	1:B:47:LEU:HB2	1:A:11:GLU:HB3	7	0.75
(1,4106)	1:B:47:LEU:HB2	1:A:14:ILE:HB	7	0.75
(1,4105)	1:A:47:LEU:HB2	1:A:60:LEU:HB2	1	0.75
(1,4105)	1:A:47:LEU:HB2	1:B:7:PRO:HB3	1	0.75
(1,4105)	1:A:47:LEU:HB2	1:B:11:GLU:HB2	1	0.75
(1,4105)	1:A:47:LEU:HB2	1:B:11:GLU:HB3	1	0.75
(1,4105)	1:A:47:LEU:HB2	1:B:14:ILE:HB	1	0.75
(1,4048)	1:B:52:LYS:HB2	1:B:53:ASN:HB3	4	0.75
(1,4048)	1:B:52:LYS:HB3	1:B:53:ASN:HB3	4	0.75
(1,4048)	1:B:74:GLN:HB2	1:B:76:ASP:HB3	4	0.75
(1,4047)	1:A:52:LYS:HB2	1:A:53:ASN:HB3	4	0.75
(1,4047)	1:A:52:LYS:HB3	1:A:53:ASN:HB3	4	0.75
(1,4047)	1:A:74:GLN:HB2	1:A:76:ASP:HB3	4	0.75
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD22	2	0.75
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD21	2	0.75
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD23	2	0.75
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD22	2	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD21	2	0.75
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD23	2	0.75
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD22	17	0.75
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD21	17	0.75
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD23	17	0.75
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD22	17	0.75
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD21	17	0.75
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD23	17	0.75
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD22	2	0.75
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD21	2	0.75
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD23	2	0.75
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD22	2	0.75
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD21	2	0.75
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD23	2	0.75
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD22	17	0.75
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD21	17	0.75
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD23	17	0.75
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD22	17	0.75
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD21	17	0.75
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD23	17	0.75
(1,3673)	1:A:75:LEU:HB3	1:A:21:PHE:HB3	4	0.75
(1,3673)	1:A:75:LEU:HB3	1:A:24:TYR:HB3	4	0.75
(1,3673)	1:A:75:LEU:HB3	1:A:42:PHE:HB3	4	0.75
(1,3673)	1:A:75:LEU:HB3	1:A:63:MET:HB2	4	0.75
(1,3626)	1:B:34:LEU:HA	1:B:24:TYR:HB2	10	0.75
(1,3626)	1:B:34:LEU:HA	1:B:27:LYS:HE2	10	0.75
(1,3626)	1:B:34:LEU:HA	1:B:27:LYS:HE3	10	0.75
(1,3625)	1:A:34:LEU:HA	1:A:24:TYR:HB2	10	0.75
(1,3625)	1:A:34:LEU:HA	1:A:27:LYS:HE2	10	0.75
(1,3625)	1:A:34:LEU:HA	1:A:27:LYS:HE3	10	0.75
(1,3538)	1:B:39:PHE:HB3	1:B:34:LEU:HA	6	0.75
(1,3538)	1:B:34:LEU:HA	1:B:80:PHE:HB2	6	0.75
(1,3537)	1:A:39:PHE:HB3	1:A:34:LEU:HA	6	0.75
(1,3537)	1:A:34:LEU:HA	1:A:80:PHE:HB2	6	0.75
(1,3270)	1:B:74:GLN:H	1:B:74:GLN:HB3	3	0.75
(1,3269)	1:A:74:GLN:H	1:A:74:GLN:HB3	3	0.75
(1,2696)	1:B:82:ASN:H	1:B:83:LEU:HB2	1	0.75
(1,2696)	1:B:82:ASN:H	1:B:83:LEU:HB2	3	0.75
(1,2696)	1:B:82:ASN:H	1:B:83:LEU:HB2	9	0.75
(1,2696)	1:B:82:ASN:H	1:B:83:LEU:HB2	18	0.75
(1,2695)	1:A:82:ASN:H	1:A:83:LEU:HB2	3	0.75
(1,2695)	1:A:82:ASN:H	1:A:83:LEU:HB2	7	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2695)	1:A:82:ASN:H	1:A:83:LEU:HB2	9	0.75
(1,1918)	1:B:94:SER:H	1:B:93:ASP:HB2	9	0.75
(1,1014)	1:B:62:ARG:HB3	1:B:63:MET:HG2	15	0.75
(1,1013)	1:A:62:ARG:HB3	1:A:63:MET:HG2	15	0.75
(2,154)	1:B:71:SER:H	1:B:73:GLY:HA3	18	0.74
(2,153)	1:A:71:SER:H	1:A:73:GLY:HA3	18	0.74
(1,624)	1:B:34:LEU:HB2	1:B:38:GLU:HB2	15	0.74
(1,623)	1:A:34:LEU:HB2	1:A:38:GLU:HB2	15	0.74
(1,56)	1:B:17:LEU:HD12	1:A:13:CYS:HB2	3	0.74
(1,56)	1:B:17:LEU:HD11	1:A:13:CYS:HB2	3	0.74
(1,56)	1:B:17:LEU:HD13	1:A:13:CYS:HB2	3	0.74
(1,4734)	1:B:8:THR:HG21	1:A:46:GLU:HB2	5	0.74
(1,4734)	1:B:8:THR:HG22	1:A:46:GLU:HB2	5	0.74
(1,4734)	1:B:8:THR:HG23	1:A:46:GLU:HB2	5	0.74
(1,4734)	1:B:20:VAL:HG22	1:B:46:GLU:HB2	5	0.74
(1,4734)	1:B:20:VAL:HG21	1:B:46:GLU:HB2	5	0.74
(1,4734)	1:B:20:VAL:HG23	1:B:46:GLU:HB2	5	0.74
(1,4733)	1:A:8:THR:HG21	1:B:46:GLU:HB2	5	0.74
(1,4733)	1:A:8:THR:HG22	1:B:46:GLU:HB2	5	0.74
(1,4733)	1:A:8:THR:HG23	1:B:46:GLU:HB2	5	0.74
(1,4733)	1:A:20:VAL:HG22	1:A:46:GLU:HB2	5	0.74
(1,4733)	1:A:20:VAL:HG21	1:A:46:GLU:HB2	5	0.74
(1,4733)	1:A:20:VAL:HG23	1:A:46:GLU:HB2	5	0.74
(1,4311)	1:A:68:ASP:HB2	1:A:64:MET:HB2	16	0.74
(1,4311)	1:A:68:ASP:HB2	1:A:75:LEU:HB2	16	0.74
(1,4311)	1:A:21:PHE:HB2	1:A:22:GLN:HB2	16	0.74
(1,4311)	1:A:21:PHE:HB2	1:A:22:GLN:HB3	16	0.74
(1,4106)	1:B:47:LEU:HB2	1:B:60:LEU:HB2	1	0.74
(1,4106)	1:B:47:LEU:HB2	1:A:7:PRO:HB3	1	0.74
(1,4106)	1:B:47:LEU:HB2	1:A:11:GLU:HB2	1	0.74
(1,4106)	1:B:47:LEU:HB2	1:A:11:GLU:HB3	1	0.74
(1,4106)	1:B:47:LEU:HB2	1:A:14:ILE:HB	1	0.74
(1,4012)	1:B:81:LEU:HD22	1:A:89:MET:HG3	10	0.74
(1,4012)	1:B:81:LEU:HD21	1:A:89:MET:HG3	10	0.74
(1,4012)	1:B:81:LEU:HD23	1:A:89:MET:HG3	10	0.74
(1,4012)	1:B:81:LEU:HD22	1:B:21:PHE:HB3	10	0.74
(1,4012)	1:B:81:LEU:HD21	1:B:21:PHE:HB3	10	0.74
(1,4012)	1:B:81:LEU:HD23	1:B:21:PHE:HB3	10	0.74
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD22	5	0.74
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD21	5	0.74
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD23	5	0.74
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD22	5	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD21	5	0.74
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD23	5	0.74
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD22	5	0.74
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD21	5	0.74
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD23	5	0.74
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD22	5	0.74
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD21	5	0.74
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD23	5	0.74
(1,3270)	1:B:74:GLN:H	1:B:74:GLN:HB3	13	0.74
(1,3269)	1:A:74:GLN:H	1:A:74:GLN:HB3	13	0.74
(1,3269)	1:A:74:GLN:H	1:A:74:GLN:HB3	17	0.74
(1,2696)	1:B:82:ASN:H	1:B:83:LEU:HB2	12	0.74
(1,2696)	1:B:82:ASN:H	1:B:83:LEU:HB2	14	0.74
(1,2696)	1:B:82:ASN:H	1:B:83:LEU:HB2	19	0.74
(1,2695)	1:A:82:ASN:H	1:A:83:LEU:HB2	12	0.74
(1,2695)	1:A:82:ASN:H	1:A:83:LEU:HB2	14	0.74
(1,2695)	1:A:82:ASN:H	1:A:83:LEU:HB2	18	0.74
(1,2695)	1:A:82:ASN:H	1:A:83:LEU:HB2	19	0.74
(1,1918)	1:B:94:SER:H	1:B:93:ASP:HB2	1	0.74
(1,1918)	1:B:94:SER:H	1:B:93:ASP:HB2	18	0.74
(1,1917)	1:A:94:SER:H	1:A:93:ASP:HB2	1	0.74
(1,1917)	1:A:94:SER:H	1:A:93:ASP:HB2	9	0.74
(1,1917)	1:A:94:SER:H	1:A:93:ASP:HB2	18	0.74
(2,15)	1:A:61:ASP:HB2	1:A:62:ARG:HD2	1	0.73
(1,4734)	1:B:8:THR:HG21	1:A:46:GLU:HB2	1	0.73
(1,4734)	1:B:8:THR:HG22	1:A:46:GLU:HB2	1	0.73
(1,4734)	1:B:8:THR:HG23	1:A:46:GLU:HB2	1	0.73
(1,4734)	1:B:20:VAL:HG22	1:B:46:GLU:HB2	1	0.73
(1,4734)	1:B:20:VAL:HG21	1:B:46:GLU:HB2	1	0.73
(1,4734)	1:B:20:VAL:HG23	1:B:46:GLU:HB2	1	0.73
(1,4733)	1:A:8:THR:HG21	1:B:46:GLU:HB2	2	0.73
(1,4733)	1:A:8:THR:HG22	1:B:46:GLU:HB2	2	0.73
(1,4733)	1:A:8:THR:HG23	1:B:46:GLU:HB2	2	0.73
(1,4733)	1:A:20:VAL:HG22	1:A:46:GLU:HB2	2	0.73
(1,4733)	1:A:20:VAL:HG21	1:A:46:GLU:HB2	2	0.73
(1,4733)	1:A:20:VAL:HG23	1:A:46:GLU:HB2	2	0.73
(1,4733)	1:A:8:THR:HG21	1:B:46:GLU:HB2	3	0.73
(1,4733)	1:A:8:THR:HG22	1:B:46:GLU:HB2	3	0.73
(1,4733)	1:A:8:THR:HG23	1:B:46:GLU:HB2	3	0.73
(1,4733)	1:A:20:VAL:HG22	1:A:46:GLU:HB2	3	0.73
(1,4733)	1:A:20:VAL:HG21	1:A:46:GLU:HB2	3	0.73
(1,4733)	1:A:20:VAL:HG23	1:A:46:GLU:HB2	3	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4438)	1:B:22:GLN:HG2	1:B:25:ALA:HB2	20	0.73
(1,4438)	1:B:22:GLN:HG2	1:B:25:ALA:HB1	20	0.73
(1,4438)	1:B:22:GLN:HG2	1:B:25:ALA:HB3	20	0.73
(1,4438)	1:B:22:GLN:HG3	1:B:25:ALA:HB2	20	0.73
(1,4438)	1:B:22:GLN:HG3	1:B:25:ALA:HB1	20	0.73
(1,4438)	1:B:22:GLN:HG3	1:B:25:ALA:HB3	20	0.73
(1,4438)	1:B:25:ALA:HB2	1:B:24:TYR:HB3	20	0.73
(1,4438)	1:B:25:ALA:HB1	1:B:24:TYR:HB3	20	0.73
(1,4438)	1:B:25:ALA:HB3	1:B:24:TYR:HB3	20	0.73
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD22	2	0.73
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD21	2	0.73
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD23	2	0.73
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD12	2	0.73
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD11	2	0.73
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD13	2	0.73
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD22	19	0.73
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD21	19	0.73
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD23	19	0.73
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD12	19	0.73
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD11	19	0.73
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD13	19	0.73
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD22	2	0.73
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD21	2	0.73
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD23	2	0.73
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD12	2	0.73
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD11	2	0.73
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD13	2	0.73
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD22	19	0.73
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD21	19	0.73
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD23	19	0.73
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD12	19	0.73
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD11	19	0.73
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD13	19	0.73
(1,412)	1:B:62:ARG:HD2	1:B:59:VAL:HG12	11	0.73
(1,412)	1:B:62:ARG:HD2	1:B:59:VAL:HG11	11	0.73
(1,412)	1:B:62:ARG:HD2	1:B:59:VAL:HG13	11	0.73
(1,411)	1:A:62:ARG:HD2	1:A:59:VAL:HG12	11	0.73
(1,411)	1:A:62:ARG:HD2	1:A:59:VAL:HG11	11	0.73
(1,411)	1:A:62:ARG:HD2	1:A:59:VAL:HG13	11	0.73
(1,4048)	1:B:52:LYS:HB2	1:B:53:ASN:HB3	17	0.73
(1,4048)	1:B:52:LYS:HB3	1:B:53:ASN:HB3	17	0.73
(1,4048)	1:B:74:GLN:HB2	1:B:76:ASP:HB3	17	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4047)	1:A:52:LYS:HB2	1:A:53:ASN:HB3	17	0.73
(1,4047)	1:A:52:LYS:HB3	1:A:53:ASN:HB3	17	0.73
(1,4047)	1:A:74:GLN:HB2	1:A:76:ASP:HB3	17	0.73
(1,4011)	1:A:81:LEU:HD22	1:B:89:MET:HG3	10	0.73
(1,4011)	1:A:81:LEU:HD21	1:B:89:MET:HG3	10	0.73
(1,4011)	1:A:81:LEU:HD23	1:B:89:MET:HG3	10	0.73
(1,4011)	1:A:81:LEU:HD22	1:A:21:PHE:HB3	10	0.73
(1,4011)	1:A:81:LEU:HD21	1:A:21:PHE:HB3	10	0.73
(1,4011)	1:A:81:LEU:HD23	1:A:21:PHE:HB3	10	0.73
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD22	3	0.73
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD21	3	0.73
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD23	3	0.73
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD22	3	0.73
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD21	3	0.73
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD23	3	0.73
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD22	3	0.73
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD21	3	0.73
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD23	3	0.73
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD22	3	0.73
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD21	3	0.73
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD23	3	0.73
(1,3270)	1:B:74:GLN:H	1:B:74:GLN:HB3	10	0.73
(1,3270)	1:B:74:GLN:H	1:B:74:GLN:HB3	14	0.73
(1,3270)	1:B:74:GLN:H	1:B:74:GLN:HB3	16	0.73
(1,3270)	1:B:74:GLN:H	1:B:74:GLN:HB3	17	0.73
(1,3269)	1:A:74:GLN:H	1:A:74:GLN:HB3	10	0.73
(1,3269)	1:A:74:GLN:H	1:A:74:GLN:HB3	14	0.73
(1,3269)	1:A:74:GLN:H	1:A:74:GLN:HB3	16	0.73
(1,296)	1:B:58:GLY:HA2	1:B:59:VAL:HB	7	0.73
(1,295)	1:A:58:GLY:HA2	1:A:59:VAL:HB	7	0.73
(2,16)	1:B:61:ASP:HB2	1:B:62:ARG:HD2	1	0.72
(1,714)	1:B:16:SER:HB3	1:B:17:LEU:HD22	16	0.72
(1,714)	1:B:16:SER:HB3	1:B:17:LEU:HD21	16	0.72
(1,714)	1:B:16:SER:HB3	1:B:17:LEU:HD23	16	0.72
(1,476)	1:B:67:LEU:HB3	1:B:75:LEU:HB2	8	0.72
(1,475)	1:A:67:LEU:HB3	1:A:75:LEU:HB2	8	0.72
(1,4734)	1:B:8:THR:HG21	1:A:46:GLU:HB2	2	0.72
(1,4734)	1:B:8:THR:HG22	1:A:46:GLU:HB2	2	0.72
(1,4734)	1:B:8:THR:HG23	1:A:46:GLU:HB2	2	0.72
(1,4734)	1:B:20:VAL:HG22	1:B:46:GLU:HB2	2	0.72
(1,4734)	1:B:20:VAL:HG21	1:B:46:GLU:HB2	2	0.72
(1,4734)	1:B:20:VAL:HG23	1:B:46:GLU:HB2	2	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4734)	1:B:8:THR:HG21	1:A:46:GLU:HB2	12	0.72
(1,4734)	1:B:8:THR:HG22	1:A:46:GLU:HB2	12	0.72
(1,4734)	1:B:8:THR:HG23	1:A:46:GLU:HB2	12	0.72
(1,4734)	1:B:20:VAL:HG22	1:B:46:GLU:HB2	12	0.72
(1,4734)	1:B:20:VAL:HG21	1:B:46:GLU:HB2	12	0.72
(1,4734)	1:B:20:VAL:HG23	1:B:46:GLU:HB2	12	0.72
(1,4733)	1:A:8:THR:HG21	1:B:46:GLU:HB2	1	0.72
(1,4733)	1:A:8:THR:HG22	1:B:46:GLU:HB2	1	0.72
(1,4733)	1:A:8:THR:HG23	1:B:46:GLU:HB2	1	0.72
(1,4733)	1:A:20:VAL:HG22	1:A:46:GLU:HB2	1	0.72
(1,4733)	1:A:20:VAL:HG21	1:A:46:GLU:HB2	1	0.72
(1,4733)	1:A:20:VAL:HG23	1:A:46:GLU:HB2	1	0.72
(1,4733)	1:A:8:THR:HG21	1:B:46:GLU:HB2	12	0.72
(1,4733)	1:A:8:THR:HG22	1:B:46:GLU:HB2	12	0.72
(1,4733)	1:A:8:THR:HG23	1:B:46:GLU:HB2	12	0.72
(1,4733)	1:A:20:VAL:HG22	1:A:46:GLU:HB2	12	0.72
(1,4733)	1:A:20:VAL:HG21	1:A:46:GLU:HB2	12	0.72
(1,4733)	1:A:20:VAL:HG23	1:A:46:GLU:HB2	12	0.72
(1,4437)	1:A:22:GLN:HG2	1:A:25:ALA:HB2	20	0.72
(1,4437)	1:A:22:GLN:HG2	1:A:25:ALA:HB1	20	0.72
(1,4437)	1:A:22:GLN:HG2	1:A:25:ALA:HB3	20	0.72
(1,4437)	1:A:22:GLN:HG3	1:A:25:ALA:HB2	20	0.72
(1,4437)	1:A:22:GLN:HG3	1:A:25:ALA:HB1	20	0.72
(1,4437)	1:A:22:GLN:HG3	1:A:25:ALA:HB3	20	0.72
(1,4437)	1:A:25:ALA:HB2	1:A:24:TYR:HB3	20	0.72
(1,4437)	1:A:25:ALA:HB1	1:A:24:TYR:HB3	20	0.72
(1,4437)	1:A:25:ALA:HB3	1:A:24:TYR:HB3	20	0.72
(1,4397)	1:A:13:CYS:HB2	1:B:17:LEU:HD12	8	0.72
(1,4397)	1:A:13:CYS:HB2	1:B:17:LEU:HD11	8	0.72
(1,4397)	1:A:13:CYS:HB2	1:B:17:LEU:HD13	8	0.72
(1,4397)	1:A:13:CYS:HB2	1:A:17:LEU:HD12	8	0.72
(1,4397)	1:A:13:CYS:HB2	1:A:17:LEU:HD11	8	0.72
(1,4397)	1:A:13:CYS:HB2	1:A:17:LEU:HD13	8	0.72
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD22	4	0.72
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD21	4	0.72
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD23	4	0.72
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD12	4	0.72
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD11	4	0.72
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD13	4	0.72
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD22	4	0.72
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD21	4	0.72
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD23	4	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD12	4	0.72
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD11	4	0.72
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD13	4	0.72
(1,4312)	1:B:68:ASP:HB2	1:B:64:MET:HB2	14	0.72
(1,4312)	1:B:68:ASP:HB2	1:B:75:LEU:HB2	14	0.72
(1,4312)	1:B:21:PHE:HB2	1:B:22:GLN:HB2	14	0.72
(1,4312)	1:B:21:PHE:HB2	1:B:22:GLN:HB3	14	0.72
(1,4311)	1:A:68:ASP:HB2	1:A:64:MET:HB2	14	0.72
(1,4311)	1:A:68:ASP:HB2	1:A:75:LEU:HB2	14	0.72
(1,4311)	1:A:21:PHE:HB2	1:A:22:GLN:HB2	14	0.72
(1,4311)	1:A:21:PHE:HB2	1:A:22:GLN:HB3	14	0.72
(1,412)	1:B:62:ARG:HD2	1:B:59:VAL:HG12	7	0.72
(1,412)	1:B:62:ARG:HD2	1:B:59:VAL:HG11	7	0.72
(1,412)	1:B:62:ARG:HD2	1:B:59:VAL:HG13	7	0.72
(1,411)	1:A:62:ARG:HD2	1:A:59:VAL:HG12	7	0.72
(1,411)	1:A:62:ARG:HD2	1:A:59:VAL:HG11	7	0.72
(1,411)	1:A:62:ARG:HD2	1:A:59:VAL:HG13	7	0.72
(1,4106)	1:B:47:LEU:HB2	1:B:60:LEU:HB2	4	0.72
(1,4106)	1:B:47:LEU:HB2	1:A:7:PRO:HB3	4	0.72
(1,4106)	1:B:47:LEU:HB2	1:A:11:GLU:HB2	4	0.72
(1,4106)	1:B:47:LEU:HB2	1:A:11:GLU:HB3	4	0.72
(1,4106)	1:B:47:LEU:HB2	1:A:14:ILE:HB	4	0.72
(1,3674)	1:B:75:LEU:HB3	1:B:21:PHE:HB3	8	0.72
(1,3674)	1:B:75:LEU:HB3	1:B:24:TYR:HB3	8	0.72
(1,3674)	1:B:75:LEU:HB3	1:B:42:PHE:HB3	8	0.72
(1,3674)	1:B:75:LEU:HB3	1:B:63:MET:HB2	8	0.72
(1,3673)	1:A:75:LEU:HB3	1:A:21:PHE:HB3	8	0.72
(1,3673)	1:A:75:LEU:HB3	1:A:24:TYR:HB3	8	0.72
(1,3673)	1:A:75:LEU:HB3	1:A:42:PHE:HB3	8	0.72
(1,3673)	1:A:75:LEU:HB3	1:A:63:MET:HB2	8	0.72
(1,3270)	1:B:74:GLN:H	1:B:74:GLN:HB3	2	0.72
(1,3270)	1:B:74:GLN:H	1:B:74:GLN:HB3	11	0.72
(1,3270)	1:B:74:GLN:H	1:B:74:GLN:HB3	19	0.72
(1,3269)	1:A:74:GLN:H	1:A:74:GLN:HB3	2	0.72
(1,3269)	1:A:74:GLN:H	1:A:74:GLN:HB3	11	0.72
(1,3269)	1:A:74:GLN:H	1:A:74:GLN:HB3	19	0.72
(1,296)	1:B:58:GLY:HA2	1:B:59:VAL:HB	6	0.72
(1,296)	1:B:58:GLY:HA2	1:B:59:VAL:HB	9	0.72
(1,295)	1:A:58:GLY:HA2	1:A:59:VAL:HB	9	0.72
(1,2696)	1:B:82:ASN:H	1:B:83:LEU:HB2	2	0.72
(1,2695)	1:A:82:ASN:H	1:A:83:LEU:HB2	2	0.72
(1,1030)	1:B:38:GLU:HB3	1:B:24:TYR:HB2	12	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1030)	1:B:38:GLU:HB3	1:B:24:TYR:HB2	18	0.72
(1,1029)	1:A:38:GLU:HB3	1:A:24:TYR:HB2	12	0.72
(1,1029)	1:A:38:GLU:HB3	1:A:24:TYR:HB2	18	0.72
(2,16)	1:B:61:ASP:HB2	1:B:62:ARG:HD2	7	0.71
(2,15)	1:A:61:ASP:HB2	1:A:62:ARG:HD2	7	0.71
(1,713)	1:A:16:SER:HB3	1:A:17:LEU:HD22	16	0.71
(1,713)	1:A:16:SER:HB3	1:A:17:LEU:HD21	16	0.71
(1,713)	1:A:16:SER:HB3	1:A:17:LEU:HD23	16	0.71
(1,56)	1:B:17:LEU:HD12	1:A:13:CYS:HB2	11	0.71
(1,56)	1:B:17:LEU:HD11	1:A:13:CYS:HB2	11	0.71
(1,56)	1:B:17:LEU:HD13	1:A:13:CYS:HB2	11	0.71
(1,4312)	1:B:68:ASP:HB2	1:B:64:MET:HB2	20	0.71
(1,4312)	1:B:68:ASP:HB2	1:B:75:LEU:HB2	20	0.71
(1,4312)	1:B:21:PHE:HB2	1:B:22:GLN:HB2	20	0.71
(1,4312)	1:B:21:PHE:HB2	1:B:22:GLN:HB3	20	0.71
(1,4311)	1:A:68:ASP:HB2	1:A:64:MET:HB2	13	0.71
(1,4311)	1:A:68:ASP:HB2	1:A:75:LEU:HB2	13	0.71
(1,4311)	1:A:21:PHE:HB2	1:A:22:GLN:HB2	13	0.71
(1,4311)	1:A:21:PHE:HB2	1:A:22:GLN:HB3	13	0.71
(1,4311)	1:A:68:ASP:HB2	1:A:64:MET:HB2	20	0.71
(1,4311)	1:A:68:ASP:HB2	1:A:75:LEU:HB2	20	0.71
(1,4311)	1:A:21:PHE:HB2	1:A:22:GLN:HB2	20	0.71
(1,4311)	1:A:21:PHE:HB2	1:A:22:GLN:HB3	20	0.71
(1,412)	1:B:62:ARG:HD2	1:B:59:VAL:HG12	13	0.71
(1,412)	1:B:62:ARG:HD2	1:B:59:VAL:HG11	13	0.71
(1,412)	1:B:62:ARG:HD2	1:B:59:VAL:HG13	13	0.71
(1,411)	1:A:62:ARG:HD2	1:A:59:VAL:HG12	13	0.71
(1,411)	1:A:62:ARG:HD2	1:A:59:VAL:HG11	13	0.71
(1,411)	1:A:62:ARG:HD2	1:A:59:VAL:HG13	13	0.71
(1,4106)	1:B:47:LEU:HB2	1:B:60:LEU:HB2	6	0.71
(1,4106)	1:B:47:LEU:HB2	1:A:7:PRO:HB3	6	0.71
(1,4106)	1:B:47:LEU:HB2	1:A:11:GLU:HB2	6	0.71
(1,4106)	1:B:47:LEU:HB2	1:A:11:GLU:HB3	6	0.71
(1,4106)	1:B:47:LEU:HB2	1:A:14:ILE:HB	6	0.71
(1,4106)	1:B:47:LEU:HB2	1:B:60:LEU:HB2	11	0.71
(1,4106)	1:B:47:LEU:HB2	1:A:7:PRO:HB3	11	0.71
(1,4106)	1:B:47:LEU:HB2	1:A:11:GLU:HB2	11	0.71
(1,4106)	1:B:47:LEU:HB2	1:A:11:GLU:HB3	11	0.71
(1,4106)	1:B:47:LEU:HB2	1:A:14:ILE:HB	11	0.71
(1,4105)	1:A:47:LEU:HB2	1:A:60:LEU:HB2	11	0.71
(1,4105)	1:A:47:LEU:HB2	1:B:7:PRO:HB3	11	0.71
(1,4105)	1:A:47:LEU:HB2	1:B:11:GLU:HB2	11	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4105)	1:A:47:LEU:HB2	1:B:11:GLU:HB3	11	0.71
(1,4105)	1:A:47:LEU:HB2	1:B:14:ILE:HB	11	0.71
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD22	15	0.71
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD21	15	0.71
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD23	15	0.71
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD22	15	0.71
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD21	15	0.71
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD23	15	0.71
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD22	15	0.71
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD21	15	0.71
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD23	15	0.71
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD22	15	0.71
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD21	15	0.71
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD23	15	0.71
(1,296)	1:B:58:GLY:HA2	1:B:59:VAL:HB	14	0.71
(1,296)	1:B:58:GLY:HA2	1:B:59:VAL:HB	15	0.71
(1,296)	1:B:58:GLY:HA2	1:B:59:VAL:HB	16	0.71
(1,295)	1:A:58:GLY:HA2	1:A:59:VAL:HB	6	0.71
(1,295)	1:A:58:GLY:HA2	1:A:59:VAL:HB	16	0.71
(1,295)	1:A:58:GLY:HA2	1:A:59:VAL:HB	20	0.71
(1,2696)	1:B:82:ASN:H	1:B:83:LEU:HB2	15	0.71
(1,2695)	1:A:82:ASN:H	1:A:83:LEU:HB2	15	0.71
(1,210)	1:B:76:ASP:HA	1:B:34:LEU:HB3	16	0.71
(1,209)	1:A:76:ASP:HA	1:A:34:LEU:HB3	16	0.71
(1,1918)	1:B:94:SER:H	1:B:93:ASP:HB2	16	0.71
(1,1917)	1:A:94:SER:H	1:A:93:ASP:HB2	16	0.71
(1,714)	1:B:16:SER:HB3	1:B:17:LEU:HD22	4	0.7
(1,714)	1:B:16:SER:HB3	1:B:17:LEU:HD21	4	0.7
(1,714)	1:B:16:SER:HB3	1:B:17:LEU:HD23	4	0.7
(1,713)	1:A:16:SER:HB3	1:A:17:LEU:HD22	4	0.7
(1,713)	1:A:16:SER:HB3	1:A:17:LEU:HD21	4	0.7
(1,713)	1:A:16:SER:HB3	1:A:17:LEU:HD23	4	0.7
(1,55)	1:A:17:LEU:HD12	1:B:13:CYS:HB2	11	0.7
(1,55)	1:A:17:LEU:HD11	1:B:13:CYS:HB2	11	0.7
(1,55)	1:A:17:LEU:HD13	1:B:13:CYS:HB2	11	0.7
(1,4818)	1:B:62:ARG:HB3	1:B:59:VAL:HA	16	0.7
(1,4818)	1:B:59:VAL:HA	1:B:62:ARG:HG2	16	0.7
(1,4817)	1:A:62:ARG:HB3	1:A:59:VAL:HA	16	0.7
(1,4817)	1:A:59:VAL:HA	1:A:62:ARG:HG2	16	0.7
(1,476)	1:B:67:LEU:HB3	1:B:75:LEU:HB2	2	0.7
(1,4733)	1:A:8:THR:HG21	1:B:46:GLU:HB2	8	0.7
(1,4733)	1:A:8:THR:HG22	1:B:46:GLU:HB2	8	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4733)	1:A:8:THR:HG23	1:B:46:GLU:HB2	8	0.7
(1,4733)	1:A:20:VAL:HG22	1:A:46:GLU:HB2	8	0.7
(1,4733)	1:A:20:VAL:HG21	1:A:46:GLU:HB2	8	0.7
(1,4733)	1:A:20:VAL:HG23	1:A:46:GLU:HB2	8	0.7
(1,4398)	1:B:13:CYS:HB2	1:A:17:LEU:HD12	8	0.7
(1,4398)	1:B:13:CYS:HB2	1:A:17:LEU:HD11	8	0.7
(1,4398)	1:B:13:CYS:HB2	1:A:17:LEU:HD13	8	0.7
(1,4398)	1:B:13:CYS:HB2	1:B:17:LEU:HD12	8	0.7
(1,4398)	1:B:13:CYS:HB2	1:B:17:LEU:HD11	8	0.7
(1,4398)	1:B:13:CYS:HB2	1:B:17:LEU:HD13	8	0.7
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD22	7	0.7
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD21	7	0.7
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD23	7	0.7
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD12	7	0.7
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD11	7	0.7
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD13	7	0.7
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD22	16	0.7
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD21	16	0.7
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD23	16	0.7
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD12	16	0.7
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD11	16	0.7
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD13	16	0.7
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD22	7	0.7
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD21	7	0.7
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD23	7	0.7
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD12	7	0.7
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD11	7	0.7
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD13	7	0.7
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD22	16	0.7
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD21	16	0.7
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD23	16	0.7
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD12	16	0.7
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD11	16	0.7
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD13	16	0.7
(1,4312)	1:B:68:ASP:HB2	1:B:64:MET:HB2	13	0.7
(1,4312)	1:B:68:ASP:HB2	1:B:75:LEU:HB2	13	0.7
(1,4312)	1:B:21:PHE:HB2	1:B:22:GLN:HB2	13	0.7
(1,4312)	1:B:21:PHE:HB2	1:B:22:GLN:HB3	13	0.7
(1,4105)	1:A:47:LEU:HB2	1:A:60:LEU:HB2	4	0.7
(1,4105)	1:A:47:LEU:HB2	1:B:7:PRO:HB3	4	0.7
(1,4105)	1:A:47:LEU:HB2	1:B:11:GLU:HB2	4	0.7
(1,4105)	1:A:47:LEU:HB2	1:B:11:GLU:HB3	4	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4105)	1:A:47:LEU:HB2	1:B:14:ILE:HB	4	0.7
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD22	8	0.7
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD21	8	0.7
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD23	8	0.7
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD22	8	0.7
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD21	8	0.7
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD23	8	0.7
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD22	8	0.7
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD21	8	0.7
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD23	8	0.7
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD22	8	0.7
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD21	8	0.7
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD23	8	0.7
(1,3674)	1:B:75:LEU:HB3	1:B:21:PHE:HB3	5	0.7
(1,3674)	1:B:75:LEU:HB3	1:B:24:TYR:HB3	5	0.7
(1,3674)	1:B:75:LEU:HB3	1:B:42:PHE:HB3	5	0.7
(1,3674)	1:B:75:LEU:HB3	1:B:63:MET:HB2	5	0.7
(1,3673)	1:A:75:LEU:HB3	1:A:21:PHE:HB3	5	0.7
(1,3673)	1:A:75:LEU:HB3	1:A:24:TYR:HB3	5	0.7
(1,3673)	1:A:75:LEU:HB3	1:A:42:PHE:HB3	5	0.7
(1,3673)	1:A:75:LEU:HB3	1:A:63:MET:HB2	5	0.7
(1,3568)	1:B:17:LEU:HG	1:A:89:MET:HG3	6	0.7
(1,3568)	1:B:17:LEU:HG	1:B:15:GLU:HG2	6	0.7
(1,3568)	1:B:17:LEU:HG	1:B:21:PHE:HB3	6	0.7
(1,3567)	1:A:17:LEU:HG	1:B:89:MET:HG3	6	0.7
(1,3567)	1:A:17:LEU:HG	1:A:15:GLU:HG2	6	0.7
(1,3567)	1:A:17:LEU:HG	1:A:21:PHE:HB3	6	0.7
(1,320)	1:B:74:GLN:HB3	1:B:76:ASP:HB3	6	0.7
(1,319)	1:A:74:GLN:HB3	1:A:76:ASP:HB3	6	0.7
(1,296)	1:B:58:GLY:HA2	1:B:59:VAL:HB	17	0.7
(1,296)	1:B:58:GLY:HA2	1:B:59:VAL:HB	19	0.7
(1,296)	1:B:58:GLY:HA2	1:B:59:VAL:HB	20	0.7
(1,295)	1:A:58:GLY:HA2	1:A:59:VAL:HB	10	0.7
(1,295)	1:A:58:GLY:HA2	1:A:59:VAL:HB	14	0.7
(1,295)	1:A:58:GLY:HA2	1:A:59:VAL:HB	15	0.7
(1,295)	1:A:58:GLY:HA2	1:A:59:VAL:HB	19	0.7
(1,2170)	1:B:9:GLU:HG2	1:A:16:SER:HB3	4	0.7
(1,2170)	1:B:9:GLU:HG3	1:A:16:SER:HB3	4	0.7
(1,2169)	1:A:9:GLU:HG2	1:B:16:SER:HB3	4	0.7
(1,2169)	1:A:9:GLU:HG3	1:B:16:SER:HB3	4	0.7
(1,1016)	1:B:9:GLU:HG2	1:B:13:CYS:HB3	19	0.7
(1,1016)	1:B:9:GLU:HG3	1:B:13:CYS:HB3	19	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1015)	1:A:9:GLU:HG2	1:A:13:CYS:HB3	19	0.7
(1,1015)	1:A:9:GLU:HG3	1:A:13:CYS:HB3	19	0.7
(2,15)	1:A:61:ASP:HB2	1:A:62:ARG:HD2	11	0.69
(1,4818)	1:B:62:ARG:HB3	1:B:59:VAL:HA	3	0.69
(1,4818)	1:B:59:VAL:HA	1:B:62:ARG:HG2	3	0.69
(1,4818)	1:B:62:ARG:HB3	1:B:59:VAL:HA	17	0.69
(1,4818)	1:B:59:VAL:HA	1:B:62:ARG:HG2	17	0.69
(1,4817)	1:A:62:ARG:HB3	1:A:59:VAL:HA	3	0.69
(1,4817)	1:A:59:VAL:HA	1:A:62:ARG:HG2	3	0.69
(1,4817)	1:A:62:ARG:HB3	1:A:59:VAL:HA	14	0.69
(1,4817)	1:A:59:VAL:HA	1:A:62:ARG:HG2	14	0.69
(1,4817)	1:A:62:ARG:HB3	1:A:59:VAL:HA	17	0.69
(1,4817)	1:A:59:VAL:HA	1:A:62:ARG:HG2	17	0.69
(1,475)	1:A:67:LEU:HB3	1:A:75:LEU:HB2	2	0.69
(1,4734)	1:B:8:THR:HG21	1:A:46:GLU:HB2	8	0.69
(1,4734)	1:B:8:THR:HG22	1:A:46:GLU:HB2	8	0.69
(1,4734)	1:B:8:THR:HG23	1:A:46:GLU:HB2	8	0.69
(1,4734)	1:B:20:VAL:HG22	1:B:46:GLU:HB2	8	0.69
(1,4734)	1:B:20:VAL:HG21	1:B:46:GLU:HB2	8	0.69
(1,4734)	1:B:20:VAL:HG23	1:B:46:GLU:HB2	8	0.69
(1,4312)	1:B:68:ASP:HB2	1:B:64:MET:HB2	17	0.69
(1,4312)	1:B:68:ASP:HB2	1:B:75:LEU:HB2	17	0.69
(1,4312)	1:B:21:PHE:HB2	1:B:22:GLN:HB2	17	0.69
(1,4312)	1:B:21:PHE:HB2	1:B:22:GLN:HB3	17	0.69
(1,4312)	1:B:68:ASP:HB2	1:B:64:MET:HB2	18	0.69
(1,4312)	1:B:68:ASP:HB2	1:B:75:LEU:HB2	18	0.69
(1,4312)	1:B:21:PHE:HB2	1:B:22:GLN:HB2	18	0.69
(1,4312)	1:B:21:PHE:HB2	1:B:22:GLN:HB3	18	0.69
(1,4311)	1:A:68:ASP:HB2	1:A:64:MET:HB2	18	0.69
(1,4311)	1:A:68:ASP:HB2	1:A:75:LEU:HB2	18	0.69
(1,4311)	1:A:21:PHE:HB2	1:A:22:GLN:HB2	18	0.69
(1,4311)	1:A:21:PHE:HB2	1:A:22:GLN:HB3	18	0.69
(1,412)	1:B:62:ARG:HD2	1:B:59:VAL:HG12	15	0.69
(1,412)	1:B:62:ARG:HD2	1:B:59:VAL:HG11	15	0.69
(1,412)	1:B:62:ARG:HD2	1:B:59:VAL:HG13	15	0.69
(1,411)	1:A:62:ARG:HD2	1:A:59:VAL:HG12	15	0.69
(1,411)	1:A:62:ARG:HD2	1:A:59:VAL:HG11	15	0.69
(1,411)	1:A:62:ARG:HD2	1:A:59:VAL:HG13	15	0.69
(1,4106)	1:B:47:LEU:HB2	1:B:60:LEU:HB2	2	0.69
(1,4106)	1:B:47:LEU:HB2	1:A:7:PRO:HB3	2	0.69
(1,4106)	1:B:47:LEU:HB2	1:A:11:GLU:HB2	2	0.69
(1,4106)	1:B:47:LEU:HB2	1:A:11:GLU:HB3	2	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4106)	1:B:47:LEU:HB2	1:A:14:ILE:HB	2	0.69
(1,4105)	1:A:47:LEU:HB2	1:A:60:LEU:HB2	2	0.69
(1,4105)	1:A:47:LEU:HB2	1:B:7:PRO:HB3	2	0.69
(1,4105)	1:A:47:LEU:HB2	1:B:11:GLU:HB2	2	0.69
(1,4105)	1:A:47:LEU:HB2	1:B:11:GLU:HB3	2	0.69
(1,4105)	1:A:47:LEU:HB2	1:B:14:ILE:HB	2	0.69
(1,4105)	1:A:47:LEU:HB2	1:A:60:LEU:HB2	3	0.69
(1,4105)	1:A:47:LEU:HB2	1:B:7:PRO:HB3	3	0.69
(1,4105)	1:A:47:LEU:HB2	1:B:11:GLU:HB2	3	0.69
(1,4105)	1:A:47:LEU:HB2	1:B:11:GLU:HB3	3	0.69
(1,4105)	1:A:47:LEU:HB2	1:B:14:ILE:HB	3	0.69
(1,4105)	1:A:47:LEU:HB2	1:A:60:LEU:HB2	6	0.69
(1,4105)	1:A:47:LEU:HB2	1:B:7:PRO:HB3	6	0.69
(1,4105)	1:A:47:LEU:HB2	1:B:11:GLU:HB2	6	0.69
(1,4105)	1:A:47:LEU:HB2	1:B:11:GLU:HB3	6	0.69
(1,4105)	1:A:47:LEU:HB2	1:B:14:ILE:HB	6	0.69
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD22	13	0.69
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD21	13	0.69
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD23	13	0.69
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD22	13	0.69
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD21	13	0.69
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD23	13	0.69
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD22	19	0.69
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD21	19	0.69
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD23	19	0.69
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD22	19	0.69
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD21	19	0.69
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD23	19	0.69
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD22	13	0.69
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD21	13	0.69
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD23	13	0.69
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD22	13	0.69
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD21	13	0.69
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD23	13	0.69
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD22	19	0.69
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD21	19	0.69
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD23	19	0.69
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD22	19	0.69
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD21	19	0.69
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD23	19	0.69
(1,3606)	1:B:77:PHE:HB3	1:A:88:ALA:HB2	13	0.69
(1,3606)	1:B:77:PHE:HB3	1:A:88:ALA:HB1	13	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3606)	1:B:77:PHE:HB3	1:A:88:ALA:HB3	13	0.69
(1,3606)	1:B:77:PHE:HB3	1:A:90:ALA:HB2	13	0.69
(1,3606)	1:B:77:PHE:HB3	1:A:90:ALA:HB1	13	0.69
(1,3606)	1:B:77:PHE:HB3	1:A:90:ALA:HB3	13	0.69
(1,3606)	1:B:77:PHE:HB3	1:B:17:LEU:HB3	13	0.69
(1,3605)	1:A:77:PHE:HB3	1:B:88:ALA:HB2	13	0.69
(1,3605)	1:A:77:PHE:HB3	1:B:88:ALA:HB1	13	0.69
(1,3605)	1:A:77:PHE:HB3	1:B:88:ALA:HB3	13	0.69
(1,3605)	1:A:77:PHE:HB3	1:B:90:ALA:HB2	13	0.69
(1,3605)	1:A:77:PHE:HB3	1:B:90:ALA:HB1	13	0.69
(1,3605)	1:A:77:PHE:HB3	1:B:90:ALA:HB3	13	0.69
(1,3605)	1:A:77:PHE:HB3	1:A:17:LEU:HB3	13	0.69
(1,296)	1:B:58:GLY:HA2	1:B:59:VAL:HB	1	0.69
(1,296)	1:B:58:GLY:HA2	1:B:59:VAL:HB	4	0.69
(1,296)	1:B:58:GLY:HA2	1:B:59:VAL:HB	10	0.69
(1,295)	1:A:58:GLY:HA2	1:A:59:VAL:HB	1	0.69
(1,295)	1:A:58:GLY:HA2	1:A:59:VAL:HB	17	0.69
(1,2696)	1:B:82:ASN:H	1:B:83:LEU:HB2	4	0.69
(1,2696)	1:B:82:ASN:H	1:B:83:LEU:HB2	16	0.69
(1,2696)	1:B:82:ASN:H	1:B:83:LEU:HB2	20	0.69
(1,2695)	1:A:82:ASN:H	1:A:83:LEU:HB2	4	0.69
(1,2695)	1:A:82:ASN:H	1:A:83:LEU:HB2	16	0.69
(1,2695)	1:A:82:ASN:H	1:A:83:LEU:HB2	20	0.69
(1,1918)	1:B:94:SER:H	1:B:93:ASP:HB2	15	0.69
(1,1917)	1:A:94:SER:H	1:A:93:ASP:HB2	15	0.69
(1,1016)	1:B:9:GLU:HG2	1:B:13:CYS:HB3	15	0.69
(1,1016)	1:B:9:GLU:HG3	1:B:13:CYS:HB3	15	0.69
(1,1015)	1:A:9:GLU:HG2	1:A:13:CYS:HB3	15	0.69
(1,1015)	1:A:9:GLU:HG3	1:A:13:CYS:HB3	15	0.69
(2,86)	1:B:42:PHE:HB2	1:B:47:LEU:H	9	0.68
(2,85)	1:A:42:PHE:HB2	1:A:47:LEU:H	9	0.68
(2,16)	1:B:61:ASP:HB2	1:B:62:ARG:HD2	11	0.68
(2,15)	1:A:61:ASP:HB2	1:A:62:ARG:HD2	16	0.68
(1,4818)	1:B:62:ARG:HB3	1:B:59:VAL:HA	12	0.68
(1,4818)	1:B:59:VAL:HA	1:B:62:ARG:HG2	12	0.68
(1,4818)	1:B:62:ARG:HB3	1:B:59:VAL:HA	14	0.68
(1,4818)	1:B:59:VAL:HA	1:B:62:ARG:HG2	14	0.68
(1,475)	1:A:67:LEU:HB3	1:A:75:LEU:HB2	13	0.68
(1,4734)	1:B:8:THR:HG21	1:A:46:GLU:HB2	10	0.68
(1,4734)	1:B:8:THR:HG22	1:A:46:GLU:HB2	10	0.68
(1,4734)	1:B:8:THR:HG23	1:A:46:GLU:HB2	10	0.68
(1,4734)	1:B:20:VAL:HG22	1:B:46:GLU:HB2	10	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4734)	1:B:20:VAL:HG21	1:B:46:GLU:HB2	10	0.68
(1,4734)	1:B:20:VAL:HG23	1:B:46:GLU:HB2	10	0.68
(1,4733)	1:A:8:THR:HG21	1:B:46:GLU:HB2	10	0.68
(1,4733)	1:A:8:THR:HG22	1:B:46:GLU:HB2	10	0.68
(1,4733)	1:A:8:THR:HG23	1:B:46:GLU:HB2	10	0.68
(1,4733)	1:A:20:VAL:HG22	1:A:46:GLU:HB2	10	0.68
(1,4733)	1:A:20:VAL:HG21	1:A:46:GLU:HB2	10	0.68
(1,4733)	1:A:20:VAL:HG23	1:A:46:GLU:HB2	10	0.68
(1,4733)	1:A:8:THR:HG21	1:B:46:GLU:HB2	18	0.68
(1,4733)	1:A:8:THR:HG22	1:B:46:GLU:HB2	18	0.68
(1,4733)	1:A:8:THR:HG23	1:B:46:GLU:HB2	18	0.68
(1,4733)	1:A:20:VAL:HG22	1:A:46:GLU:HB2	18	0.68
(1,4733)	1:A:20:VAL:HG21	1:A:46:GLU:HB2	18	0.68
(1,4733)	1:A:20:VAL:HG23	1:A:46:GLU:HB2	18	0.68
(1,4312)	1:B:68:ASP:HB2	1:B:64:MET:HB2	19	0.68
(1,4312)	1:B:68:ASP:HB2	1:B:75:LEU:HB2	19	0.68
(1,4312)	1:B:21:PHE:HB2	1:B:22:GLN:HB2	19	0.68
(1,4312)	1:B:21:PHE:HB2	1:B:22:GLN:HB3	19	0.68
(1,4311)	1:A:68:ASP:HB2	1:A:64:MET:HB2	17	0.68
(1,4311)	1:A:68:ASP:HB2	1:A:75:LEU:HB2	17	0.68
(1,4311)	1:A:21:PHE:HB2	1:A:22:GLN:HB2	17	0.68
(1,4311)	1:A:21:PHE:HB2	1:A:22:GLN:HB3	17	0.68
(1,4311)	1:A:68:ASP:HB2	1:A:64:MET:HB2	19	0.68
(1,4311)	1:A:68:ASP:HB2	1:A:75:LEU:HB2	19	0.68
(1,4311)	1:A:21:PHE:HB2	1:A:22:GLN:HB2	19	0.68
(1,4311)	1:A:21:PHE:HB2	1:A:22:GLN:HB3	19	0.68
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD22	20	0.68
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD21	20	0.68
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD23	20	0.68
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD22	20	0.68
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD21	20	0.68
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD23	20	0.68
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD22	20	0.68
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD21	20	0.68
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD23	20	0.68
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD22	20	0.68
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD21	20	0.68
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD23	20	0.68
(1,296)	1:B:58:GLY:HA2	1:B:59:VAL:HB	18	0.68
(1,295)	1:A:58:GLY:HA2	1:A:59:VAL:HB	4	0.68
(1,295)	1:A:58:GLY:HA2	1:A:59:VAL:HB	18	0.68
(1,2695)	1:A:82:ASN:H	1:A:83:LEU:HB2	10	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1918)	1:B:94:SER:H	1:B:93:ASP:HB2	3	0.68
(1,1917)	1:A:94:SER:H	1:A:93:ASP:HB2	3	0.68
(1,1030)	1:B:38:GLU:HB3	1:B:24:TYR:HB2	16	0.68
(1,1016)	1:B:9:GLU:HG2	1:B:13:CYS:HB3	2	0.68
(1,1016)	1:B:9:GLU:HG3	1:B:13:CYS:HB3	2	0.68
(1,1015)	1:A:9:GLU:HG2	1:A:13:CYS:HB3	14	0.68
(1,1015)	1:A:9:GLU:HG3	1:A:13:CYS:HB3	14	0.68
(2,16)	1:B:61:ASP:HB2	1:B:62:ARG:HD2	16	0.67
(1,4818)	1:B:62:ARG:HB3	1:B:59:VAL:HA	13	0.67
(1,4818)	1:B:59:VAL:HA	1:B:62:ARG:HG2	13	0.67
(1,4817)	1:A:62:ARG:HB3	1:A:59:VAL:HA	12	0.67
(1,4817)	1:A:59:VAL:HA	1:A:62:ARG:HG2	12	0.67
(1,4817)	1:A:62:ARG:HB3	1:A:59:VAL:HA	13	0.67
(1,4817)	1:A:59:VAL:HA	1:A:62:ARG:HG2	13	0.67
(1,476)	1:B:67:LEU:HB3	1:B:75:LEU:HB2	13	0.67
(1,4734)	1:B:8:THR:HG21	1:A:46:GLU:HB2	18	0.67
(1,4734)	1:B:8:THR:HG22	1:A:46:GLU:HB2	18	0.67
(1,4734)	1:B:8:THR:HG23	1:A:46:GLU:HB2	18	0.67
(1,4734)	1:B:20:VAL:HG22	1:B:46:GLU:HB2	18	0.67
(1,4734)	1:B:20:VAL:HG21	1:B:46:GLU:HB2	18	0.67
(1,4734)	1:B:20:VAL:HG23	1:B:46:GLU:HB2	18	0.67
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD22	11	0.67
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD21	11	0.67
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD23	11	0.67
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD12	11	0.67
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD11	11	0.67
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD13	11	0.67
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD22	11	0.67
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD21	11	0.67
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD23	11	0.67
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD12	11	0.67
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD11	11	0.67
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD13	11	0.67
(1,4312)	1:B:68:ASP:HB2	1:B:64:MET:HB2	2	0.67
(1,4312)	1:B:68:ASP:HB2	1:B:75:LEU:HB2	2	0.67
(1,4312)	1:B:21:PHE:HB2	1:B:22:GLN:HB2	2	0.67
(1,4312)	1:B:21:PHE:HB2	1:B:22:GLN:HB3	2	0.67
(1,4311)	1:A:68:ASP:HB2	1:A:64:MET:HB2	2	0.67
(1,4311)	1:A:68:ASP:HB2	1:A:75:LEU:HB2	2	0.67
(1,4311)	1:A:21:PHE:HB2	1:A:22:GLN:HB2	2	0.67
(1,4311)	1:A:21:PHE:HB2	1:A:22:GLN:HB3	2	0.67
(1,4106)	1:B:47:LEU:HB2	1:B:60:LEU:HB2	3	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4106)	1:B:47:LEU:HB2	1:A:7:PRO:HB3	3	0.67
(1,4106)	1:B:47:LEU:HB2	1:A:11:GLU:HB2	3	0.67
(1,4106)	1:B:47:LEU:HB2	1:A:11:GLU:HB3	3	0.67
(1,4106)	1:B:47:LEU:HB2	1:A:14:ILE:HB	3	0.67
(1,4106)	1:B:47:LEU:HB2	1:B:60:LEU:HB2	5	0.67
(1,4106)	1:B:47:LEU:HB2	1:A:7:PRO:HB3	5	0.67
(1,4106)	1:B:47:LEU:HB2	1:A:11:GLU:HB2	5	0.67
(1,4106)	1:B:47:LEU:HB2	1:A:11:GLU:HB3	5	0.67
(1,4106)	1:B:47:LEU:HB2	1:A:14:ILE:HB	5	0.67
(1,4106)	1:B:47:LEU:HB2	1:B:60:LEU:HB2	12	0.67
(1,4106)	1:B:47:LEU:HB2	1:A:7:PRO:HB3	12	0.67
(1,4106)	1:B:47:LEU:HB2	1:A:11:GLU:HB2	12	0.67
(1,4106)	1:B:47:LEU:HB2	1:A:11:GLU:HB3	12	0.67
(1,4106)	1:B:47:LEU:HB2	1:A:14:ILE:HB	12	0.67
(1,4105)	1:A:47:LEU:HB2	1:A:60:LEU:HB2	5	0.67
(1,4105)	1:A:47:LEU:HB2	1:B:7:PRO:HB3	5	0.67
(1,4105)	1:A:47:LEU:HB2	1:B:11:GLU:HB2	5	0.67
(1,4105)	1:A:47:LEU:HB2	1:B:11:GLU:HB3	5	0.67
(1,4105)	1:A:47:LEU:HB2	1:B:14:ILE:HB	5	0.67
(1,4105)	1:A:47:LEU:HB2	1:A:60:LEU:HB2	12	0.67
(1,4105)	1:A:47:LEU:HB2	1:B:7:PRO:HB3	12	0.67
(1,4105)	1:A:47:LEU:HB2	1:B:11:GLU:HB2	12	0.67
(1,4105)	1:A:47:LEU:HB2	1:B:11:GLU:HB3	12	0.67
(1,4105)	1:A:47:LEU:HB2	1:B:14:ILE:HB	12	0.67
(1,3568)	1:B:17:LEU:HG	1:A:89:MET:HG3	16	0.67
(1,3568)	1:B:17:LEU:HG	1:B:15:GLU:HG2	16	0.67
(1,3568)	1:B:17:LEU:HG	1:B:21:PHE:HB3	16	0.67
(1,3567)	1:A:17:LEU:HG	1:B:89:MET:HG3	16	0.67
(1,3567)	1:A:17:LEU:HG	1:A:15:GLU:HG2	16	0.67
(1,3567)	1:A:17:LEU:HG	1:A:21:PHE:HB3	16	0.67
(1,3538)	1:B:39:PHE:HB3	1:B:34:LEU:HA	9	0.67
(1,3538)	1:B:34:LEU:HA	1:B:80:PHE:HB2	9	0.67
(1,3537)	1:A:39:PHE:HB3	1:A:34:LEU:HA	9	0.67
(1,3537)	1:A:34:LEU:HA	1:A:80:PHE:HB2	9	0.67
(1,296)	1:B:58:GLY:HA2	1:B:59:VAL:HB	5	0.67
(1,296)	1:B:58:GLY:HA2	1:B:59:VAL:HB	12	0.67
(1,296)	1:B:58:GLY:HA2	1:B:59:VAL:HB	13	0.67
(1,295)	1:A:58:GLY:HA2	1:A:59:VAL:HB	5	0.67
(1,295)	1:A:58:GLY:HA2	1:A:59:VAL:HB	12	0.67
(1,295)	1:A:58:GLY:HA2	1:A:59:VAL:HB	13	0.67
(1,2696)	1:B:82:ASN:H	1:B:83:LEU:HB2	10	0.67
(1,2695)	1:A:82:ASN:H	1:A:83:LEU:HB2	6	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1030)	1:B:38:GLU:HB3	1:B:24:TYR:HB2	4	0.67
(1,1029)	1:A:38:GLU:HB3	1:A:24:TYR:HB2	4	0.67
(1,1029)	1:A:38:GLU:HB3	1:A:24:TYR:HB2	16	0.67
(1,1016)	1:B:9:GLU:HG2	1:B:13:CYS:HB3	14	0.67
(1,1016)	1:B:9:GLU:HG3	1:B:13:CYS:HB3	14	0.67
(1,1015)	1:A:9:GLU:HG2	1:A:13:CYS:HB3	2	0.67
(1,1015)	1:A:9:GLU:HG3	1:A:13:CYS:HB3	2	0.67
(1,1013)	1:A:62:ARG:HB3	1:A:63:MET:HG2	13	0.67
(2,86)	1:B:42:PHE:HB2	1:B:47:LEU:H	11	0.66
(2,16)	1:B:61:ASP:HB2	1:B:62:ARG:HD2	9	0.66
(2,15)	1:A:61:ASP:HB2	1:A:62:ARG:HD2	9	0.66
(1,884)	1:B:34:LEU:HB3	1:B:80:PHE:HB2	5	0.66
(1,884)	1:B:34:LEU:HB3	1:B:80:PHE:HB2	16	0.66
(1,883)	1:A:34:LEU:HB3	1:A:80:PHE:HB2	5	0.66
(1,883)	1:A:34:LEU:HB3	1:A:80:PHE:HB2	16	0.66
(1,4818)	1:B:62:ARG:HB3	1:B:59:VAL:HA	4	0.66
(1,4818)	1:B:59:VAL:HA	1:B:62:ARG:HG2	4	0.66
(1,4817)	1:A:62:ARG:HB3	1:A:59:VAL:HA	4	0.66
(1,4817)	1:A:59:VAL:HA	1:A:62:ARG:HG2	4	0.66
(1,476)	1:B:67:LEU:HB3	1:B:75:LEU:HB2	1	0.66
(1,475)	1:A:67:LEU:HB3	1:A:75:LEU:HB2	1	0.66
(1,4106)	1:B:47:LEU:HB2	1:B:60:LEU:HB2	15	0.66
(1,4106)	1:B:47:LEU:HB2	1:A:7:PRO:HB3	15	0.66
(1,4106)	1:B:47:LEU:HB2	1:A:11:GLU:HB2	15	0.66
(1,4106)	1:B:47:LEU:HB2	1:A:11:GLU:HB3	15	0.66
(1,4106)	1:B:47:LEU:HB2	1:A:14:ILE:HB	15	0.66
(1,4106)	1:B:47:LEU:HB2	1:B:60:LEU:HB2	18	0.66
(1,4106)	1:B:47:LEU:HB2	1:A:7:PRO:HB3	18	0.66
(1,4106)	1:B:47:LEU:HB2	1:A:11:GLU:HB2	18	0.66
(1,4106)	1:B:47:LEU:HB2	1:A:11:GLU:HB3	18	0.66
(1,4106)	1:B:47:LEU:HB2	1:A:14:ILE:HB	18	0.66
(1,4104)	1:B:42:PHE:HA	1:B:20:VAL:HB	19	0.66
(1,4104)	1:B:42:PHE:HA	1:B:38:GLU:HB2	19	0.66
(1,4103)	1:A:42:PHE:HA	1:A:20:VAL:HB	19	0.66
(1,4103)	1:A:42:PHE:HA	1:A:38:GLU:HB2	19	0.66
(1,3778)	1:B:57:PRO:HA	1:B:61:ASP:HB3	15	0.66
(1,3778)	1:B:57:PRO:HA	1:B:63:MET:HG3	15	0.66
(1,3626)	1:B:34:LEU:HA	1:B:24:TYR:HB2	2	0.66
(1,3626)	1:B:34:LEU:HA	1:B:27:LYS:HE2	2	0.66
(1,3626)	1:B:34:LEU:HA	1:B:27:LYS:HE3	2	0.66
(1,3625)	1:A:34:LEU:HA	1:A:24:TYR:HB2	2	0.66
(1,3625)	1:A:34:LEU:HA	1:A:27:LYS:HE2	2	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3625)	1:A:34:LEU:HA	1:A:27:LYS:HE3	2	0.66
(1,3568)	1:B:17:LEU:HG	1:A:89:MET:HG3	2	0.66
(1,3568)	1:B:17:LEU:HG	1:B:15:GLU:HG2	2	0.66
(1,3568)	1:B:17:LEU:HG	1:B:21:PHE:HB3	2	0.66
(1,3568)	1:B:17:LEU:HG	1:A:89:MET:HG3	9	0.66
(1,3568)	1:B:17:LEU:HG	1:B:15:GLU:HG2	9	0.66
(1,3568)	1:B:17:LEU:HG	1:B:21:PHE:HB3	9	0.66
(1,3568)	1:B:17:LEU:HG	1:A:89:MET:HG3	20	0.66
(1,3568)	1:B:17:LEU:HG	1:B:15:GLU:HG2	20	0.66
(1,3568)	1:B:17:LEU:HG	1:B:21:PHE:HB3	20	0.66
(1,3567)	1:A:17:LEU:HG	1:B:89:MET:HG3	2	0.66
(1,3567)	1:A:17:LEU:HG	1:A:15:GLU:HG2	2	0.66
(1,3567)	1:A:17:LEU:HG	1:A:21:PHE:HB3	2	0.66
(1,3567)	1:A:17:LEU:HG	1:B:89:MET:HG3	9	0.66
(1,3567)	1:A:17:LEU:HG	1:A:15:GLU:HG2	9	0.66
(1,3567)	1:A:17:LEU:HG	1:A:21:PHE:HB3	9	0.66
(1,3567)	1:A:17:LEU:HG	1:B:89:MET:HG3	20	0.66
(1,3567)	1:A:17:LEU:HG	1:A:15:GLU:HG2	20	0.66
(1,3567)	1:A:17:LEU:HG	1:A:21:PHE:HB3	20	0.66
(1,320)	1:B:74:GLN:HB3	1:B:76:ASP:HB3	2	0.66
(1,320)	1:B:74:GLN:HB3	1:B:76:ASP:HB3	10	0.66
(1,319)	1:A:74:GLN:HB3	1:A:76:ASP:HB3	10	0.66
(1,296)	1:B:58:GLY:HA2	1:B:59:VAL:HB	8	0.66
(1,295)	1:A:58:GLY:HA2	1:A:59:VAL:HB	8	0.66
(1,2696)	1:B:82:ASN:H	1:B:83:LEU:HB2	6	0.66
(1,1918)	1:B:94:SER:H	1:B:93:ASP:HB2	6	0.66
(1,1918)	1:B:94:SER:H	1:B:93:ASP:HB2	11	0.66
(1,1917)	1:A:94:SER:H	1:A:93:ASP:HB2	11	0.66
(1,1030)	1:B:38:GLU:HB3	1:B:24:TYR:HB2	8	0.66
(1,1029)	1:A:38:GLU:HB3	1:A:24:TYR:HB2	8	0.66
(1,1014)	1:B:62:ARG:HB3	1:B:63:MET:HG2	13	0.66
(2,85)	1:A:42:PHE:HB2	1:A:47:LEU:H	11	0.65
(1,624)	1:B:34:LEU:HB2	1:B:38:GLU:HB2	14	0.65
(1,4818)	1:B:62:ARG:HB3	1:B:59:VAL:HA	2	0.65
(1,4818)	1:B:59:VAL:HA	1:B:62:ARG:HG2	2	0.65
(1,4818)	1:B:62:ARG:HB3	1:B:59:VAL:HA	7	0.65
(1,4818)	1:B:59:VAL:HA	1:B:62:ARG:HG2	7	0.65
(1,4817)	1:A:62:ARG:HB3	1:A:59:VAL:HA	2	0.65
(1,4817)	1:A:59:VAL:HA	1:A:62:ARG:HG2	2	0.65
(1,4817)	1:A:62:ARG:HB3	1:A:59:VAL:HA	7	0.65
(1,4817)	1:A:59:VAL:HA	1:A:62:ARG:HG2	7	0.65
(1,476)	1:B:67:LEU:HB3	1:B:75:LEU:HB2	16	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,475)	1:A:67:LEU:HB3	1:A:75:LEU:HB2	16	0.65
(1,4438)	1:B:22:GLN:HG2	1:B:25:ALA:HB2	17	0.65
(1,4438)	1:B:22:GLN:HG2	1:B:25:ALA:HB1	17	0.65
(1,4438)	1:B:22:GLN:HG2	1:B:25:ALA:HB3	17	0.65
(1,4438)	1:B:22:GLN:HG3	1:B:25:ALA:HB2	17	0.65
(1,4438)	1:B:22:GLN:HG3	1:B:25:ALA:HB1	17	0.65
(1,4438)	1:B:22:GLN:HG3	1:B:25:ALA:HB3	17	0.65
(1,4438)	1:B:25:ALA:HB2	1:B:24:TYR:HB3	17	0.65
(1,4438)	1:B:25:ALA:HB1	1:B:24:TYR:HB3	17	0.65
(1,4438)	1:B:25:ALA:HB3	1:B:24:TYR:HB3	17	0.65
(1,4437)	1:A:22:GLN:HG2	1:A:25:ALA:HB2	13	0.65
(1,4437)	1:A:22:GLN:HG2	1:A:25:ALA:HB1	13	0.65
(1,4437)	1:A:22:GLN:HG2	1:A:25:ALA:HB3	13	0.65
(1,4437)	1:A:22:GLN:HG3	1:A:25:ALA:HB2	13	0.65
(1,4437)	1:A:22:GLN:HG3	1:A:25:ALA:HB1	13	0.65
(1,4437)	1:A:22:GLN:HG3	1:A:25:ALA:HB3	13	0.65
(1,4437)	1:A:25:ALA:HB2	1:A:24:TYR:HB3	13	0.65
(1,4437)	1:A:25:ALA:HB1	1:A:24:TYR:HB3	13	0.65
(1,4437)	1:A:25:ALA:HB3	1:A:24:TYR:HB3	13	0.65
(1,4437)	1:A:22:GLN:HG2	1:A:25:ALA:HB2	17	0.65
(1,4437)	1:A:22:GLN:HG2	1:A:25:ALA:HB1	17	0.65
(1,4437)	1:A:22:GLN:HG2	1:A:25:ALA:HB3	17	0.65
(1,4437)	1:A:22:GLN:HG3	1:A:25:ALA:HB2	17	0.65
(1,4437)	1:A:22:GLN:HG3	1:A:25:ALA:HB1	17	0.65
(1,4437)	1:A:22:GLN:HG3	1:A:25:ALA:HB3	17	0.65
(1,4437)	1:A:25:ALA:HB2	1:A:24:TYR:HB3	17	0.65
(1,4437)	1:A:25:ALA:HB1	1:A:24:TYR:HB3	17	0.65
(1,4437)	1:A:25:ALA:HB3	1:A:24:TYR:HB3	17	0.65
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD22	5	0.65
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD21	5	0.65
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD23	5	0.65
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD12	5	0.65
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD11	5	0.65
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD13	5	0.65
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD22	5	0.65
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD21	5	0.65
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD23	5	0.65
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD12	5	0.65
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD11	5	0.65
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD13	5	0.65
(1,4106)	1:B:47:LEU:HB2	1:B:60:LEU:HB2	8	0.65
(1,4106)	1:B:47:LEU:HB2	1:A:7:PRO:HB3	8	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4106)	1:B:47:LEU:HB2	1:A:11:GLU:HB2	8	0.65
(1,4106)	1:B:47:LEU:HB2	1:A:11:GLU:HB3	8	0.65
(1,4106)	1:B:47:LEU:HB2	1:A:14:ILE:HB	8	0.65
(1,4105)	1:A:47:LEU:HB2	1:A:60:LEU:HB2	15	0.65
(1,4105)	1:A:47:LEU:HB2	1:B:7:PRO:HB3	15	0.65
(1,4105)	1:A:47:LEU:HB2	1:B:11:GLU:HB2	15	0.65
(1,4105)	1:A:47:LEU:HB2	1:B:11:GLU:HB3	15	0.65
(1,4105)	1:A:47:LEU:HB2	1:B:14:ILE:HB	15	0.65
(1,4105)	1:A:47:LEU:HB2	1:A:60:LEU:HB2	18	0.65
(1,4105)	1:A:47:LEU:HB2	1:B:7:PRO:HB3	18	0.65
(1,4105)	1:A:47:LEU:HB2	1:B:11:GLU:HB2	18	0.65
(1,4105)	1:A:47:LEU:HB2	1:B:11:GLU:HB3	18	0.65
(1,4105)	1:A:47:LEU:HB2	1:B:14:ILE:HB	18	0.65
(1,3778)	1:B:57:PRO:HA	1:B:61:ASP:HB3	13	0.65
(1,3778)	1:B:57:PRO:HA	1:B:63:MET:HG3	13	0.65
(1,3777)	1:A:57:PRO:HA	1:A:61:ASP:HB3	6	0.65
(1,3777)	1:A:57:PRO:HA	1:A:63:MET:HG3	6	0.65
(1,3777)	1:A:57:PRO:HA	1:A:61:ASP:HB3	13	0.65
(1,3777)	1:A:57:PRO:HA	1:A:63:MET:HG3	13	0.65
(1,3777)	1:A:57:PRO:HA	1:A:61:ASP:HB3	15	0.65
(1,3777)	1:A:57:PRO:HA	1:A:63:MET:HG3	15	0.65
(1,3568)	1:B:17:LEU:HG	1:A:89:MET:HG3	19	0.65
(1,3568)	1:B:17:LEU:HG	1:B:15:GLU:HG2	19	0.65
(1,3568)	1:B:17:LEU:HG	1:B:21:PHE:HB3	19	0.65
(1,3567)	1:A:17:LEU:HG	1:B:89:MET:HG3	19	0.65
(1,3567)	1:A:17:LEU:HG	1:A:15:GLU:HG2	19	0.65
(1,3567)	1:A:17:LEU:HG	1:A:21:PHE:HB3	19	0.65
(1,296)	1:B:58:GLY:HA2	1:B:59:VAL:HB	2	0.65
(1,296)	1:B:58:GLY:HA2	1:B:59:VAL:HB	3	0.65
(1,295)	1:A:58:GLY:HA2	1:A:59:VAL:HB	2	0.65
(1,295)	1:A:58:GLY:HA2	1:A:59:VAL:HB	3	0.65
(1,2826)	1:B:78:SER:H	1:A:89:MET:HG2	10	0.65
(1,2825)	1:A:78:SER:H	1:B:89:MET:HG2	10	0.65
(1,2696)	1:B:82:ASN:H	1:B:83:LEU:HB2	8	0.65
(1,2695)	1:A:82:ASN:H	1:A:83:LEU:HB2	8	0.65
(1,210)	1:B:76:ASP:HA	1:B:34:LEU:HB3	6	0.65
(1,209)	1:A:76:ASP:HA	1:A:34:LEU:HB3	6	0.65
(1,209)	1:A:76:ASP:HA	1:A:34:LEU:HB3	9	0.65
(1,1918)	1:B:94:SER:H	1:B:93:ASP:HB2	7	0.65
(1,1918)	1:B:94:SER:H	1:B:93:ASP:HB2	19	0.65
(1,1917)	1:A:94:SER:H	1:A:93:ASP:HB2	6	0.65
(1,1917)	1:A:94:SER:H	1:A:93:ASP:HB2	7	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1917)	1:A:94:SER:H	1:A:93:ASP:HB2	17	0.65
(1,1917)	1:A:94:SER:H	1:A:93:ASP:HB2	19	0.65
(1,1014)	1:B:62:ARG:HB3	1:B:63:MET:HG2	17	0.65
(1,1013)	1:A:62:ARG:HB3	1:A:63:MET:HG2	17	0.65
(2,16)	1:B:61:ASP:HB2	1:B:62:ARG:HD2	10	0.64
(2,15)	1:A:61:ASP:HB2	1:A:62:ARG:HD2	10	0.64
(1,884)	1:B:34:LEU:HB3	1:B:80:PHE:HB2	13	0.64
(1,884)	1:B:34:LEU:HB3	1:B:80:PHE:HB2	17	0.64
(1,883)	1:A:34:LEU:HB3	1:A:80:PHE:HB2	13	0.64
(1,883)	1:A:34:LEU:HB3	1:A:80:PHE:HB2	17	0.64
(1,624)	1:B:34:LEU:HB2	1:B:38:GLU:HB2	7	0.64
(1,624)	1:B:34:LEU:HB2	1:B:38:GLU:HB2	13	0.64
(1,623)	1:A:34:LEU:HB2	1:A:38:GLU:HB2	7	0.64
(1,623)	1:A:34:LEU:HB2	1:A:38:GLU:HB2	13	0.64
(1,623)	1:A:34:LEU:HB2	1:A:38:GLU:HB2	14	0.64
(1,4920)	1:B:52:LYS:HA	1:B:43:MET:HB2	17	0.64
(1,4920)	1:B:52:LYS:HA	1:B:43:MET:HB3	17	0.64
(1,4920)	1:B:52:LYS:HA	1:B:47:LEU:HB3	17	0.64
(1,4920)	1:B:71:SER:HA	1:B:36:LYS:HD2	17	0.64
(1,4920)	1:B:71:SER:HA	1:B:36:LYS:HD3	17	0.64
(1,4920)	1:B:71:SER:HA	1:B:67:LEU:HB2	17	0.64
(1,4920)	1:B:71:SER:HA	1:B:74:GLN:HB3	17	0.64
(1,4919)	1:A:52:LYS:HA	1:A:43:MET:HB2	17	0.64
(1,4919)	1:A:52:LYS:HA	1:A:43:MET:HB3	17	0.64
(1,4919)	1:A:52:LYS:HA	1:A:47:LEU:HB3	17	0.64
(1,4919)	1:A:71:SER:HA	1:A:36:LYS:HD2	17	0.64
(1,4919)	1:A:71:SER:HA	1:A:36:LYS:HD3	17	0.64
(1,4919)	1:A:71:SER:HA	1:A:67:LEU:HB2	17	0.64
(1,4919)	1:A:71:SER:HA	1:A:74:GLN:HB3	17	0.64
(1,4840)	1:B:68:ASP:HB2	1:B:39:PHE:HB3	1	0.64
(1,4840)	1:B:68:ASP:HB2	1:B:72:ASP:HB2	1	0.64
(1,4840)	1:B:80:PHE:HB3	1:B:39:PHE:HB3	1	0.64
(1,4840)	1:B:68:ASP:HB2	1:B:39:PHE:HB3	17	0.64
(1,4840)	1:B:68:ASP:HB2	1:B:72:ASP:HB2	17	0.64
(1,4840)	1:B:80:PHE:HB3	1:B:39:PHE:HB3	17	0.64
(1,4839)	1:A:68:ASP:HB2	1:A:39:PHE:HB3	1	0.64
(1,4839)	1:A:68:ASP:HB2	1:A:72:ASP:HB2	1	0.64
(1,4839)	1:A:80:PHE:HB3	1:A:39:PHE:HB3	1	0.64
(1,4818)	1:B:62:ARG:HB3	1:B:59:VAL:HA	5	0.64
(1,4818)	1:B:59:VAL:HA	1:B:62:ARG:HG2	5	0.64
(1,4817)	1:A:62:ARG:HB3	1:A:59:VAL:HA	5	0.64
(1,4817)	1:A:59:VAL:HA	1:A:62:ARG:HG2	5	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4438)	1:B:22:GLN:HG2	1:B:25:ALA:HB2	13	0.64
(1,4438)	1:B:22:GLN:HG2	1:B:25:ALA:HB1	13	0.64
(1,4438)	1:B:22:GLN:HG2	1:B:25:ALA:HB3	13	0.64
(1,4438)	1:B:22:GLN:HG3	1:B:25:ALA:HB2	13	0.64
(1,4438)	1:B:22:GLN:HG3	1:B:25:ALA:HB1	13	0.64
(1,4438)	1:B:22:GLN:HG3	1:B:25:ALA:HB3	13	0.64
(1,4438)	1:B:25:ALA:HB2	1:B:24:TYR:HB3	13	0.64
(1,4438)	1:B:25:ALA:HB1	1:B:24:TYR:HB3	13	0.64
(1,4438)	1:B:25:ALA:HB3	1:B:24:TYR:HB3	13	0.64
(1,4438)	1:B:22:GLN:HG2	1:B:25:ALA:HB2	18	0.64
(1,4438)	1:B:22:GLN:HG2	1:B:25:ALA:HB1	18	0.64
(1,4438)	1:B:22:GLN:HG2	1:B:25:ALA:HB3	18	0.64
(1,4438)	1:B:22:GLN:HG3	1:B:25:ALA:HB2	18	0.64
(1,4438)	1:B:22:GLN:HG3	1:B:25:ALA:HB1	18	0.64
(1,4438)	1:B:22:GLN:HG3	1:B:25:ALA:HB3	18	0.64
(1,4438)	1:B:25:ALA:HB2	1:B:24:TYR:HB3	18	0.64
(1,4438)	1:B:25:ALA:HB1	1:B:24:TYR:HB3	18	0.64
(1,4438)	1:B:25:ALA:HB3	1:B:24:TYR:HB3	18	0.64
(1,4437)	1:A:22:GLN:HG2	1:A:25:ALA:HB2	18	0.64
(1,4437)	1:A:22:GLN:HG2	1:A:25:ALA:HB1	18	0.64
(1,4437)	1:A:22:GLN:HG2	1:A:25:ALA:HB3	18	0.64
(1,4437)	1:A:22:GLN:HG3	1:A:25:ALA:HB2	18	0.64
(1,4437)	1:A:22:GLN:HG3	1:A:25:ALA:HB1	18	0.64
(1,4437)	1:A:22:GLN:HG3	1:A:25:ALA:HB3	18	0.64
(1,4437)	1:A:25:ALA:HB2	1:A:24:TYR:HB3	18	0.64
(1,4437)	1:A:25:ALA:HB1	1:A:24:TYR:HB3	18	0.64
(1,4437)	1:A:25:ALA:HB3	1:A:24:TYR:HB3	18	0.64
(1,4398)	1:B:13:CYS:HB2	1:A:17:LEU:HD12	20	0.64
(1,4398)	1:B:13:CYS:HB2	1:A:17:LEU:HD11	20	0.64
(1,4398)	1:B:13:CYS:HB2	1:A:17:LEU:HD13	20	0.64
(1,4398)	1:B:13:CYS:HB2	1:B:17:LEU:HD12	20	0.64
(1,4398)	1:B:13:CYS:HB2	1:B:17:LEU:HD11	20	0.64
(1,4398)	1:B:13:CYS:HB2	1:B:17:LEU:HD13	20	0.64
(1,4397)	1:A:13:CYS:HB2	1:B:17:LEU:HD12	20	0.64
(1,4397)	1:A:13:CYS:HB2	1:B:17:LEU:HD11	20	0.64
(1,4397)	1:A:13:CYS:HB2	1:B:17:LEU:HD13	20	0.64
(1,4397)	1:A:13:CYS:HB2	1:A:17:LEU:HD12	20	0.64
(1,4397)	1:A:13:CYS:HB2	1:A:17:LEU:HD11	20	0.64
(1,4397)	1:A:13:CYS:HB2	1:A:17:LEU:HD13	20	0.64
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD22	20	0.64
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD21	20	0.64
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD23	20	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD12	20	0.64
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD11	20	0.64
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD13	20	0.64
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD22	20	0.64
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD21	20	0.64
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD23	20	0.64
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD12	20	0.64
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD11	20	0.64
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD13	20	0.64
(1,412)	1:B:62:ARG:HD2	1:B:59:VAL:HG12	17	0.64
(1,412)	1:B:62:ARG:HD2	1:B:59:VAL:HG11	17	0.64
(1,412)	1:B:62:ARG:HD2	1:B:59:VAL:HG13	17	0.64
(1,411)	1:A:62:ARG:HD2	1:A:59:VAL:HG12	17	0.64
(1,411)	1:A:62:ARG:HD2	1:A:59:VAL:HG11	17	0.64
(1,411)	1:A:62:ARG:HD2	1:A:59:VAL:HG13	17	0.64
(1,4105)	1:A:47:LEU:HB2	1:A:60:LEU:HB2	8	0.64
(1,4105)	1:A:47:LEU:HB2	1:B:7:PRO:HB3	8	0.64
(1,4105)	1:A:47:LEU:HB2	1:B:11:GLU:HB2	8	0.64
(1,4105)	1:A:47:LEU:HB2	1:B:11:GLU:HB3	8	0.64
(1,4105)	1:A:47:LEU:HB2	1:B:14:ILE:HB	8	0.64
(1,4057)	1:A:18:ILE:HG22	1:B:91:CYS:HB2	16	0.64
(1,4057)	1:A:18:ILE:HG22	1:B:91:CYS:HB3	16	0.64
(1,4057)	1:A:18:ILE:HG21	1:B:91:CYS:HB2	16	0.64
(1,4057)	1:A:18:ILE:HG21	1:B:91:CYS:HB3	16	0.64
(1,4057)	1:A:18:ILE:HG23	1:B:91:CYS:HB2	16	0.64
(1,4057)	1:A:18:ILE:HG23	1:B:91:CYS:HB3	16	0.64
(1,4057)	1:A:21:PHE:HB2	1:A:18:ILE:HG22	16	0.64
(1,4057)	1:A:21:PHE:HB2	1:A:18:ILE:HG21	16	0.64
(1,4057)	1:A:21:PHE:HB2	1:A:18:ILE:HG23	16	0.64
(1,3778)	1:B:57:PRO:HA	1:B:61:ASP:HB3	6	0.64
(1,3778)	1:B:57:PRO:HA	1:B:63:MET:HG3	6	0.64
(1,3778)	1:B:57:PRO:HA	1:B:61:ASP:HB3	18	0.64
(1,3778)	1:B:57:PRO:HA	1:B:63:MET:HG3	18	0.64
(1,3777)	1:A:57:PRO:HA	1:A:61:ASP:HB3	18	0.64
(1,3777)	1:A:57:PRO:HA	1:A:63:MET:HG3	18	0.64
(1,3756)	1:B:39:PHE:HB2	1:B:36:LYS:HD2	9	0.64
(1,3756)	1:B:39:PHE:HB2	1:B:36:LYS:HD3	9	0.64
(1,3756)	1:B:39:PHE:HB2	1:B:43:MET:HB2	9	0.64
(1,3756)	1:B:39:PHE:HB2	1:B:43:MET:HB3	9	0.64
(1,3756)	1:B:39:PHE:HB2	1:B:64:MET:HB3	9	0.64
(1,3755)	1:A:39:PHE:HB2	1:A:36:LYS:HD2	9	0.64
(1,3755)	1:A:39:PHE:HB2	1:A:36:LYS:HD3	9	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3755)	1:A:39:PHE:HB2	1:A:43:MET:HB2	9	0.64
(1,3755)	1:A:39:PHE:HB2	1:A:43:MET:HB3	9	0.64
(1,3755)	1:A:39:PHE:HB2	1:A:64:MET:HB3	9	0.64
(1,3254)	1:B:62:ARG:H	1:B:61:ASP:HB2	19	0.64
(1,319)	1:A:74:GLN:HB3	1:A:76:ASP:HB3	2	0.64
(1,2696)	1:B:82:ASN:H	1:B:83:LEU:HB2	17	0.64
(1,2695)	1:A:82:ASN:H	1:A:83:LEU:HB2	5	0.64
(1,2695)	1:A:82:ASN:H	1:A:83:LEU:HB2	17	0.64
(1,210)	1:B:76:ASP:HA	1:B:34:LEU:HB3	9	0.64
(1,1918)	1:B:94:SER:H	1:B:93:ASP:HB2	17	0.64
(1,624)	1:B:34:LEU:HB2	1:B:38:GLU:HB2	2	0.63
(1,624)	1:B:34:LEU:HB2	1:B:38:GLU:HB2	18	0.63
(1,623)	1:A:34:LEU:HB2	1:A:38:GLU:HB2	2	0.63
(1,4839)	1:A:68:ASP:HB2	1:A:39:PHE:HB3	17	0.63
(1,4839)	1:A:68:ASP:HB2	1:A:72:ASP:HB2	17	0.63
(1,4839)	1:A:80:PHE:HB3	1:A:39:PHE:HB3	17	0.63
(1,4818)	1:B:62:ARG:HB3	1:B:59:VAL:HA	1	0.63
(1,4818)	1:B:59:VAL:HA	1:B:62:ARG:HG2	1	0.63
(1,4818)	1:B:62:ARG:HB3	1:B:59:VAL:HA	11	0.63
(1,4818)	1:B:59:VAL:HA	1:B:62:ARG:HG2	11	0.63
(1,4818)	1:B:62:ARG:HB3	1:B:59:VAL:HA	18	0.63
(1,4818)	1:B:59:VAL:HA	1:B:62:ARG:HG2	18	0.63
(1,4817)	1:A:62:ARG:HB3	1:A:59:VAL:HA	1	0.63
(1,4817)	1:A:59:VAL:HA	1:A:62:ARG:HG2	1	0.63
(1,4817)	1:A:62:ARG:HB3	1:A:59:VAL:HA	11	0.63
(1,4817)	1:A:59:VAL:HA	1:A:62:ARG:HG2	11	0.63
(1,4817)	1:A:62:ARG:HB3	1:A:59:VAL:HA	18	0.63
(1,4817)	1:A:59:VAL:HA	1:A:62:ARG:HG2	18	0.63
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD22	10	0.63
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD21	10	0.63
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD23	10	0.63
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD12	10	0.63
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD11	10	0.63
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD13	10	0.63
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD22	10	0.63
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD21	10	0.63
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD23	10	0.63
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD12	10	0.63
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD11	10	0.63
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD13	10	0.63
(1,4312)	1:B:68:ASP:HB2	1:B:64:MET:HB2	3	0.63
(1,4312)	1:B:68:ASP:HB2	1:B:75:LEU:HB2	3	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4312)	1:B:21:PHE:HB2	1:B:22:GLN:HB2	3	0.63
(1,4312)	1:B:21:PHE:HB2	1:B:22:GLN:HB3	3	0.63
(1,4312)	1:B:68:ASP:HB2	1:B:64:MET:HB2	8	0.63
(1,4312)	1:B:68:ASP:HB2	1:B:75:LEU:HB2	8	0.63
(1,4312)	1:B:21:PHE:HB2	1:B:22:GLN:HB2	8	0.63
(1,4312)	1:B:21:PHE:HB2	1:B:22:GLN:HB3	8	0.63
(1,4311)	1:A:68:ASP:HB2	1:A:64:MET:HB2	3	0.63
(1,4311)	1:A:68:ASP:HB2	1:A:75:LEU:HB2	3	0.63
(1,4311)	1:A:21:PHE:HB2	1:A:22:GLN:HB2	3	0.63
(1,4311)	1:A:21:PHE:HB2	1:A:22:GLN:HB3	3	0.63
(1,4311)	1:A:68:ASP:HB2	1:A:64:MET:HB2	8	0.63
(1,4311)	1:A:68:ASP:HB2	1:A:75:LEU:HB2	8	0.63
(1,4311)	1:A:21:PHE:HB2	1:A:22:GLN:HB2	8	0.63
(1,4311)	1:A:21:PHE:HB2	1:A:22:GLN:HB3	8	0.63
(1,412)	1:B:62:ARG:HD2	1:B:59:VAL:HG12	16	0.63
(1,412)	1:B:62:ARG:HD2	1:B:59:VAL:HG11	16	0.63
(1,412)	1:B:62:ARG:HD2	1:B:59:VAL:HG13	16	0.63
(1,411)	1:A:62:ARG:HD2	1:A:59:VAL:HG12	16	0.63
(1,411)	1:A:62:ARG:HD2	1:A:59:VAL:HG11	16	0.63
(1,411)	1:A:62:ARG:HD2	1:A:59:VAL:HG13	16	0.63
(1,4106)	1:B:47:LEU:HB2	1:B:60:LEU:HB2	13	0.63
(1,4106)	1:B:47:LEU:HB2	1:A:7:PRO:HB3	13	0.63
(1,4106)	1:B:47:LEU:HB2	1:A:11:GLU:HB2	13	0.63
(1,4106)	1:B:47:LEU:HB2	1:A:11:GLU:HB3	13	0.63
(1,4106)	1:B:47:LEU:HB2	1:A:14:ILE:HB	13	0.63
(1,4105)	1:A:47:LEU:HB2	1:A:60:LEU:HB2	13	0.63
(1,4105)	1:A:47:LEU:HB2	1:B:7:PRO:HB3	13	0.63
(1,4105)	1:A:47:LEU:HB2	1:B:11:GLU:HB2	13	0.63
(1,4105)	1:A:47:LEU:HB2	1:B:11:GLU:HB3	13	0.63
(1,4105)	1:A:47:LEU:HB2	1:B:14:ILE:HB	13	0.63
(1,4105)	1:A:47:LEU:HB2	1:A:60:LEU:HB2	14	0.63
(1,4105)	1:A:47:LEU:HB2	1:B:7:PRO:HB3	14	0.63
(1,4105)	1:A:47:LEU:HB2	1:B:11:GLU:HB2	14	0.63
(1,4105)	1:A:47:LEU:HB2	1:B:11:GLU:HB3	14	0.63
(1,4105)	1:A:47:LEU:HB2	1:B:14:ILE:HB	14	0.63
(1,4058)	1:B:18:ILE:HG22	1:A:91:CYS:HB2	16	0.63
(1,4058)	1:B:18:ILE:HG22	1:A:91:CYS:HB3	16	0.63
(1,4058)	1:B:18:ILE:HG21	1:A:91:CYS:HB2	16	0.63
(1,4058)	1:B:18:ILE:HG21	1:A:91:CYS:HB3	16	0.63
(1,4058)	1:B:18:ILE:HG23	1:A:91:CYS:HB2	16	0.63
(1,4058)	1:B:18:ILE:HG23	1:A:91:CYS:HB3	16	0.63
(1,4058)	1:B:21:PHE:HB2	1:B:18:ILE:HG22	16	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4058)	1:B:21:PHE:HB2	1:B:18:ILE:HG21	16	0.63
(1,4058)	1:B:21:PHE:HB2	1:B:18:ILE:HG23	16	0.63
(1,4030)	1:B:73:GLY:HA3	1:B:36:LYS:HD2	3	0.63
(1,4030)	1:B:73:GLY:HA3	1:B:36:LYS:HD3	3	0.63
(1,4030)	1:B:73:GLY:HA3	1:B:74:GLN:HB3	3	0.63
(1,4030)	1:B:73:GLY:HA3	1:B:36:LYS:HD2	15	0.63
(1,4030)	1:B:73:GLY:HA3	1:B:36:LYS:HD3	15	0.63
(1,4030)	1:B:73:GLY:HA3	1:B:74:GLN:HB3	15	0.63
(1,4029)	1:A:73:GLY:HA3	1:A:36:LYS:HD2	3	0.63
(1,4029)	1:A:73:GLY:HA3	1:A:36:LYS:HD3	3	0.63
(1,4029)	1:A:73:GLY:HA3	1:A:74:GLN:HB3	3	0.63
(1,4029)	1:A:73:GLY:HA3	1:A:36:LYS:HD2	15	0.63
(1,4029)	1:A:73:GLY:HA3	1:A:36:LYS:HD3	15	0.63
(1,4029)	1:A:73:GLY:HA3	1:A:74:GLN:HB3	15	0.63
(1,3778)	1:B:57:PRO:HA	1:B:61:ASP:HB3	20	0.63
(1,3778)	1:B:57:PRO:HA	1:B:63:MET:HG3	20	0.63
(1,3777)	1:A:57:PRO:HA	1:A:61:ASP:HB3	20	0.63
(1,3777)	1:A:57:PRO:HA	1:A:63:MET:HG3	20	0.63
(1,3568)	1:B:17:LEU:HG	1:A:89:MET:HG3	7	0.63
(1,3568)	1:B:17:LEU:HG	1:B:15:GLU:HG2	7	0.63
(1,3568)	1:B:17:LEU:HG	1:B:21:PHE:HB3	7	0.63
(1,3568)	1:B:17:LEU:HG	1:A:89:MET:HG3	12	0.63
(1,3568)	1:B:17:LEU:HG	1:B:15:GLU:HG2	12	0.63
(1,3568)	1:B:17:LEU:HG	1:B:21:PHE:HB3	12	0.63
(1,3567)	1:A:17:LEU:HG	1:B:89:MET:HG3	7	0.63
(1,3567)	1:A:17:LEU:HG	1:A:15:GLU:HG2	7	0.63
(1,3567)	1:A:17:LEU:HG	1:A:21:PHE:HB3	7	0.63
(1,3567)	1:A:17:LEU:HG	1:B:89:MET:HG3	12	0.63
(1,3567)	1:A:17:LEU:HG	1:A:15:GLU:HG2	12	0.63
(1,3567)	1:A:17:LEU:HG	1:A:21:PHE:HB3	12	0.63
(1,3254)	1:B:62:ARG:H	1:B:61:ASP:HB2	9	0.63
(1,3253)	1:A:62:ARG:H	1:A:61:ASP:HB2	19	0.63
(1,3024)	1:B:76:ASP:H	1:B:75:LEU:HB2	17	0.63
(1,3023)	1:A:76:ASP:H	1:A:75:LEU:HB2	17	0.63
(1,2768)	1:B:80:PHE:H	1:B:75:LEU:HB2	16	0.63
(1,2767)	1:A:80:PHE:H	1:A:75:LEU:HB2	16	0.63
(1,2696)	1:B:82:ASN:H	1:B:83:LEU:HB2	5	0.63
(1,1918)	1:B:94:SER:H	1:B:93:ASP:HB2	13	0.63
(1,1917)	1:A:94:SER:H	1:A:93:ASP:HB2	2	0.63
(1,145)	1:A:78:SER:HB2	1:A:81:LEU:HB3	8	0.63
(1,145)	1:A:78:SER:HB3	1:A:81:LEU:HB3	8	0.63
(2,86)	1:B:42:PHE:HB2	1:B:47:LEU:H	4	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,85)	1:A:42:PHE:HB2	1:A:47:LEU:H	4	0.62
(2,124)	1:B:44:ASN:HB2	1:B:48:ALA:H	18	0.62
(2,123)	1:A:44:ASN:HB2	1:A:48:ALA:H	18	0.62
(1,624)	1:B:34:LEU:HB2	1:B:38:GLU:HB2	4	0.62
(1,623)	1:A:34:LEU:HB2	1:A:38:GLU:HB2	4	0.62
(1,623)	1:A:34:LEU:HB2	1:A:38:GLU:HB2	18	0.62
(1,623)	1:A:34:LEU:HB2	1:A:38:GLU:HB2	20	0.62
(1,4840)	1:B:68:ASP:HB2	1:B:39:PHE:HB3	3	0.62
(1,4840)	1:B:68:ASP:HB2	1:B:72:ASP:HB2	3	0.62
(1,4840)	1:B:80:PHE:HB3	1:B:39:PHE:HB3	3	0.62
(1,4839)	1:A:68:ASP:HB2	1:A:39:PHE:HB3	3	0.62
(1,4839)	1:A:68:ASP:HB2	1:A:72:ASP:HB2	3	0.62
(1,4839)	1:A:80:PHE:HB3	1:A:39:PHE:HB3	3	0.62
(1,4839)	1:A:68:ASP:HB2	1:A:39:PHE:HB3	18	0.62
(1,4839)	1:A:68:ASP:HB2	1:A:72:ASP:HB2	18	0.62
(1,4839)	1:A:80:PHE:HB3	1:A:39:PHE:HB3	18	0.62
(1,4818)	1:B:62:ARG:HB3	1:B:59:VAL:HA	15	0.62
(1,4818)	1:B:59:VAL:HA	1:B:62:ARG:HG2	15	0.62
(1,475)	1:A:67:LEU:HB3	1:A:75:LEU:HB2	14	0.62
(1,4398)	1:B:13:CYS:HB2	1:A:17:LEU:HD12	10	0.62
(1,4398)	1:B:13:CYS:HB2	1:A:17:LEU:HD11	10	0.62
(1,4398)	1:B:13:CYS:HB2	1:A:17:LEU:HD13	10	0.62
(1,4398)	1:B:13:CYS:HB2	1:B:17:LEU:HD12	10	0.62
(1,4398)	1:B:13:CYS:HB2	1:B:17:LEU:HD11	10	0.62
(1,4398)	1:B:13:CYS:HB2	1:B:17:LEU:HD13	10	0.62
(1,4397)	1:A:13:CYS:HB2	1:B:17:LEU:HD12	10	0.62
(1,4397)	1:A:13:CYS:HB2	1:B:17:LEU:HD11	10	0.62
(1,4397)	1:A:13:CYS:HB2	1:B:17:LEU:HD13	10	0.62
(1,4397)	1:A:13:CYS:HB2	1:A:17:LEU:HD12	10	0.62
(1,4397)	1:A:13:CYS:HB2	1:A:17:LEU:HD11	10	0.62
(1,4397)	1:A:13:CYS:HB2	1:A:17:LEU:HD13	10	0.62
(1,4170)	1:B:17:LEU:HG	1:B:16:SER:HB3	4	0.62
(1,4170)	1:B:16:SER:HB3	1:A:9:GLU:HB2	4	0.62
(1,4170)	1:B:16:SER:HB3	1:A:9:GLU:HB3	4	0.62
(1,4106)	1:B:47:LEU:HB2	1:B:60:LEU:HB2	10	0.62
(1,4106)	1:B:47:LEU:HB2	1:A:7:PRO:HB3	10	0.62
(1,4106)	1:B:47:LEU:HB2	1:A:11:GLU:HB2	10	0.62
(1,4106)	1:B:47:LEU:HB2	1:A:11:GLU:HB3	10	0.62
(1,4106)	1:B:47:LEU:HB2	1:A:14:ILE:HB	10	0.62
(1,4106)	1:B:47:LEU:HB2	1:B:60:LEU:HB2	14	0.62
(1,4106)	1:B:47:LEU:HB2	1:A:7:PRO:HB3	14	0.62
(1,4106)	1:B:47:LEU:HB2	1:A:11:GLU:HB2	14	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4106)	1:B:47:LEU:HB2	1:A:11:GLU:HB3	14	0.62
(1,4106)	1:B:47:LEU:HB2	1:A:14:ILE:HB	14	0.62
(1,4105)	1:A:47:LEU:HB2	1:A:60:LEU:HB2	10	0.62
(1,4105)	1:A:47:LEU:HB2	1:B:7:PRO:HB3	10	0.62
(1,4105)	1:A:47:LEU:HB2	1:B:11:GLU:HB2	10	0.62
(1,4105)	1:A:47:LEU:HB2	1:B:11:GLU:HB3	10	0.62
(1,4105)	1:A:47:LEU:HB2	1:B:14:ILE:HB	10	0.62
(1,4030)	1:B:73:GLY:HA3	1:B:36:LYS:HD2	10	0.62
(1,4030)	1:B:73:GLY:HA3	1:B:36:LYS:HD3	10	0.62
(1,4030)	1:B:73:GLY:HA3	1:B:74:GLN:HB3	10	0.62
(1,4029)	1:A:73:GLY:HA3	1:A:36:LYS:HD2	10	0.62
(1,4029)	1:A:73:GLY:HA3	1:A:36:LYS:HD3	10	0.62
(1,4029)	1:A:73:GLY:HA3	1:A:74:GLN:HB3	10	0.62
(1,3626)	1:B:34:LEU:HA	1:B:24:TYR:HB2	8	0.62
(1,3626)	1:B:34:LEU:HA	1:B:27:LYS:HE2	8	0.62
(1,3626)	1:B:34:LEU:HA	1:B:27:LYS:HE3	8	0.62
(1,3625)	1:A:34:LEU:HA	1:A:24:TYR:HB2	8	0.62
(1,3625)	1:A:34:LEU:HA	1:A:27:LYS:HE2	8	0.62
(1,3625)	1:A:34:LEU:HA	1:A:27:LYS:HE3	8	0.62
(1,3568)	1:B:17:LEU:HG	1:A:89:MET:HG3	3	0.62
(1,3568)	1:B:17:LEU:HG	1:B:15:GLU:HG2	3	0.62
(1,3568)	1:B:17:LEU:HG	1:B:21:PHE:HB3	3	0.62
(1,3567)	1:A:17:LEU:HG	1:B:89:MET:HG3	3	0.62
(1,3567)	1:A:17:LEU:HG	1:A:15:GLU:HG2	3	0.62
(1,3567)	1:A:17:LEU:HG	1:A:21:PHE:HB3	3	0.62
(1,3538)	1:B:39:PHE:HB3	1:B:34:LEU:HA	3	0.62
(1,3538)	1:B:34:LEU:HA	1:B:80:PHE:HB2	3	0.62
(1,3537)	1:A:39:PHE:HB3	1:A:34:LEU:HA	3	0.62
(1,3537)	1:A:34:LEU:HA	1:A:80:PHE:HB2	3	0.62
(1,3254)	1:B:62:ARG:H	1:B:61:ASP:HB2	10	0.62
(1,3253)	1:A:62:ARG:H	1:A:61:ASP:HB2	9	0.62
(1,3253)	1:A:62:ARG:H	1:A:61:ASP:HB2	10	0.62
(1,3024)	1:B:76:ASP:H	1:B:75:LEU:HB2	8	0.62
(1,3023)	1:A:76:ASP:H	1:A:75:LEU:HB2	8	0.62
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD22	9	0.62
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD21	9	0.62
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD23	9	0.62
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD22	9	0.62
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD21	9	0.62
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD23	9	0.62
(1,210)	1:B:76:ASP:HA	1:B:34:LEU:HB3	5	0.62
(1,209)	1:A:76:ASP:HA	1:A:34:LEU:HB3	5	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1918)	1:B:94:SER:H	1:B:93:ASP:HB2	2	0.62
(1,1918)	1:B:94:SER:H	1:B:93:ASP:HB2	20	0.62
(1,1917)	1:A:94:SER:H	1:A:93:ASP:HB2	20	0.62
(1,146)	1:B:78:SER:HB2	1:B:81:LEU:HB3	8	0.62
(1,146)	1:B:78:SER:HB3	1:B:81:LEU:HB3	8	0.62
(1,1016)	1:B:9:GLU:HG2	1:B:13:CYS:HB3	5	0.62
(1,1016)	1:B:9:GLU:HG3	1:B:13:CYS:HB3	5	0.62
(1,1015)	1:A:9:GLU:HG2	1:A:13:CYS:HB3	5	0.62
(1,1015)	1:A:9:GLU:HG3	1:A:13:CYS:HB3	5	0.62
(1,624)	1:B:34:LEU:HB2	1:B:38:GLU:HB2	5	0.61
(1,624)	1:B:34:LEU:HB2	1:B:38:GLU:HB2	20	0.61
(1,623)	1:A:34:LEU:HB2	1:A:38:GLU:HB2	5	0.61
(1,4840)	1:B:68:ASP:HB2	1:B:39:PHE:HB3	18	0.61
(1,4840)	1:B:68:ASP:HB2	1:B:72:ASP:HB2	18	0.61
(1,4840)	1:B:80:PHE:HB3	1:B:39:PHE:HB3	18	0.61
(1,4817)	1:A:62:ARG:HB3	1:A:59:VAL:HA	15	0.61
(1,4817)	1:A:59:VAL:HA	1:A:62:ARG:HG2	15	0.61
(1,476)	1:B:67:LEU:HB3	1:B:75:LEU:HB2	14	0.61
(1,476)	1:B:67:LEU:HB3	1:B:75:LEU:HB2	18	0.61
(1,475)	1:A:67:LEU:HB3	1:A:75:LEU:HB2	18	0.61
(1,4398)	1:B:13:CYS:HB2	1:A:17:LEU:HD12	19	0.61
(1,4398)	1:B:13:CYS:HB2	1:A:17:LEU:HD11	19	0.61
(1,4398)	1:B:13:CYS:HB2	1:A:17:LEU:HD13	19	0.61
(1,4398)	1:B:13:CYS:HB2	1:B:17:LEU:HD12	19	0.61
(1,4398)	1:B:13:CYS:HB2	1:B:17:LEU:HD11	19	0.61
(1,4398)	1:B:13:CYS:HB2	1:B:17:LEU:HD13	19	0.61
(1,4397)	1:A:13:CYS:HB2	1:B:17:LEU:HD12	11	0.61
(1,4397)	1:A:13:CYS:HB2	1:B:17:LEU:HD11	11	0.61
(1,4397)	1:A:13:CYS:HB2	1:B:17:LEU:HD13	11	0.61
(1,4397)	1:A:13:CYS:HB2	1:A:17:LEU:HD12	11	0.61
(1,4397)	1:A:13:CYS:HB2	1:A:17:LEU:HD11	11	0.61
(1,4397)	1:A:13:CYS:HB2	1:A:17:LEU:HD13	11	0.61
(1,4230)	1:B:11:GLU:HB2	1:B:13:CYS:HB3	8	0.61
(1,4230)	1:B:11:GLU:HB3	1:B:13:CYS:HB3	8	0.61
(1,4230)	1:B:12:ARG:HB2	1:B:13:CYS:HB3	8	0.61
(1,4230)	1:B:12:ARG:HB3	1:B:13:CYS:HB3	8	0.61
(1,4230)	1:B:14:ILE:HB	1:B:13:CYS:HB3	8	0.61
(1,4230)	1:B:91:CYS:HB2	1:A:14:ILE:HB	8	0.61
(1,4230)	1:B:91:CYS:HB3	1:A:14:ILE:HB	8	0.61
(1,4169)	1:A:17:LEU:HG	1:A:16:SER:HB3	4	0.61
(1,4169)	1:A:16:SER:HB3	1:B:9:GLU:HB2	4	0.61
(1,4169)	1:A:16:SER:HB3	1:B:9:GLU:HB3	4	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4106)	1:B:47:LEU:HB2	1:B:60:LEU:HB2	16	0.61
(1,4106)	1:B:47:LEU:HB2	1:A:7:PRO:HB3	16	0.61
(1,4106)	1:B:47:LEU:HB2	1:A:11:GLU:HB2	16	0.61
(1,4106)	1:B:47:LEU:HB2	1:A:11:GLU:HB3	16	0.61
(1,4106)	1:B:47:LEU:HB2	1:A:14:ILE:HB	16	0.61
(1,4105)	1:A:47:LEU:HB2	1:A:60:LEU:HB2	9	0.61
(1,4105)	1:A:47:LEU:HB2	1:B:7:PRO:HB3	9	0.61
(1,4105)	1:A:47:LEU:HB2	1:B:11:GLU:HB2	9	0.61
(1,4105)	1:A:47:LEU:HB2	1:B:11:GLU:HB3	9	0.61
(1,4105)	1:A:47:LEU:HB2	1:B:14:ILE:HB	9	0.61
(1,4105)	1:A:47:LEU:HB2	1:A:60:LEU:HB2	16	0.61
(1,4105)	1:A:47:LEU:HB2	1:B:7:PRO:HB3	16	0.61
(1,4105)	1:A:47:LEU:HB2	1:B:11:GLU:HB2	16	0.61
(1,4105)	1:A:47:LEU:HB2	1:B:11:GLU:HB3	16	0.61
(1,4105)	1:A:47:LEU:HB2	1:B:14:ILE:HB	16	0.61
(1,3568)	1:B:17:LEU:HG	1:A:89:MET:HG3	4	0.61
(1,3568)	1:B:17:LEU:HG	1:B:15:GLU:HG2	4	0.61
(1,3568)	1:B:17:LEU:HG	1:B:21:PHE:HB3	4	0.61
(1,3568)	1:B:17:LEU:HG	1:A:89:MET:HG3	18	0.61
(1,3568)	1:B:17:LEU:HG	1:B:15:GLU:HG2	18	0.61
(1,3568)	1:B:17:LEU:HG	1:B:21:PHE:HB3	18	0.61
(1,3567)	1:A:17:LEU:HG	1:B:89:MET:HG3	4	0.61
(1,3567)	1:A:17:LEU:HG	1:A:15:GLU:HG2	4	0.61
(1,3567)	1:A:17:LEU:HG	1:A:21:PHE:HB3	4	0.61
(1,3567)	1:A:17:LEU:HG	1:B:89:MET:HG3	18	0.61
(1,3567)	1:A:17:LEU:HG	1:A:15:GLU:HG2	18	0.61
(1,3567)	1:A:17:LEU:HG	1:A:21:PHE:HB3	18	0.61
(1,3538)	1:B:39:PHE:HB3	1:B:34:LEU:HA	13	0.61
(1,3538)	1:B:34:LEU:HA	1:B:80:PHE:HB2	13	0.61
(1,3537)	1:A:39:PHE:HB3	1:A:34:LEU:HA	13	0.61
(1,3537)	1:A:34:LEU:HA	1:A:80:PHE:HB2	13	0.61
(1,3490)	1:B:13:CYS:HB2	1:B:81:LEU:HD22	14	0.61
(1,3490)	1:B:13:CYS:HB2	1:B:81:LEU:HD21	14	0.61
(1,3490)	1:B:13:CYS:HB2	1:B:81:LEU:HD23	14	0.61
(1,3490)	1:B:13:CYS:HB2	1:A:81:LEU:HD22	14	0.61
(1,3490)	1:B:13:CYS:HB2	1:A:81:LEU:HD21	14	0.61
(1,3490)	1:B:13:CYS:HB2	1:A:81:LEU:HD23	14	0.61
(1,3489)	1:A:13:CYS:HB2	1:A:81:LEU:HD22	6	0.61
(1,3489)	1:A:13:CYS:HB2	1:A:81:LEU:HD21	6	0.61
(1,3489)	1:A:13:CYS:HB2	1:A:81:LEU:HD23	6	0.61
(1,3489)	1:A:13:CYS:HB2	1:B:81:LEU:HD22	6	0.61
(1,3489)	1:A:13:CYS:HB2	1:B:81:LEU:HD21	6	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3489)	1:A:13:CYS:HB2	1:B:81:LEU:HD23	6	0.61
(1,3489)	1:A:13:CYS:HB2	1:A:81:LEU:HD22	14	0.61
(1,3489)	1:A:13:CYS:HB2	1:A:81:LEU:HD21	14	0.61
(1,3489)	1:A:13:CYS:HB2	1:A:81:LEU:HD23	14	0.61
(1,3489)	1:A:13:CYS:HB2	1:B:81:LEU:HD22	14	0.61
(1,3489)	1:A:13:CYS:HB2	1:B:81:LEU:HD21	14	0.61
(1,3489)	1:A:13:CYS:HB2	1:B:81:LEU:HD23	14	0.61
(1,3024)	1:B:76:ASP:H	1:B:75:LEU:HB2	16	0.61
(1,3023)	1:A:76:ASP:H	1:A:75:LEU:HB2	16	0.61
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD22	1	0.61
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD21	1	0.61
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD23	1	0.61
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD22	2	0.61
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD21	2	0.61
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD23	2	0.61
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD22	3	0.61
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD21	3	0.61
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD23	3	0.61
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD22	4	0.61
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD21	4	0.61
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD23	4	0.61
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD22	7	0.61
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD21	7	0.61
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD23	7	0.61
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD22	8	0.61
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD21	8	0.61
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD23	8	0.61
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD22	10	0.61
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD21	10	0.61
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD23	10	0.61
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD22	11	0.61
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD21	11	0.61
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD23	11	0.61
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD22	12	0.61
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD21	12	0.61
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD23	12	0.61
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD22	13	0.61
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD21	13	0.61
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD23	13	0.61
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD22	17	0.61
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD21	17	0.61
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD23	17	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD22	18	0.61
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD21	18	0.61
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD23	18	0.61
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD22	1	0.61
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD21	1	0.61
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD23	1	0.61
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD22	2	0.61
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD21	2	0.61
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD23	2	0.61
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD22	3	0.61
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD21	3	0.61
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD23	3	0.61
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD22	4	0.61
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD21	4	0.61
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD23	4	0.61
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD22	7	0.61
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD21	7	0.61
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD23	7	0.61
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD22	8	0.61
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD21	8	0.61
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD23	8	0.61
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD22	10	0.61
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD21	10	0.61
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD23	10	0.61
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD22	11	0.61
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD21	11	0.61
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD23	11	0.61
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD22	12	0.61
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD21	12	0.61
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD23	12	0.61
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD22	13	0.61
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD21	13	0.61
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD23	13	0.61
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD22	17	0.61
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD21	17	0.61
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD23	17	0.61
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD22	18	0.61
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD21	18	0.61
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD23	18	0.61
(1,210)	1:B:76:ASP:HA	1:B:34:LEU:HB3	19	0.61
(1,209)	1:A:76:ASP:HA	1:A:34:LEU:HB3	19	0.61
(1,1917)	1:A:94:SER:H	1:A:93:ASP:HB2	13	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1628)	1:B:24:TYR:HB3	1:B:42:PHE:HB3	4	0.61
(1,1016)	1:B:9:GLU:HG2	1:B:13:CYS:HB3	3	0.61
(1,1016)	1:B:9:GLU:HG3	1:B:13:CYS:HB3	3	0.61
(1,1016)	1:B:9:GLU:HG2	1:B:13:CYS:HB3	10	0.61
(1,1016)	1:B:9:GLU:HG3	1:B:13:CYS:HB3	10	0.61
(1,1016)	1:B:9:GLU:HG2	1:B:13:CYS:HB3	11	0.61
(1,1016)	1:B:9:GLU:HG3	1:B:13:CYS:HB3	11	0.61
(1,1016)	1:B:9:GLU:HG2	1:B:13:CYS:HB3	20	0.61
(1,1016)	1:B:9:GLU:HG3	1:B:13:CYS:HB3	20	0.61
(1,1015)	1:A:9:GLU:HG2	1:A:13:CYS:HB3	3	0.61
(1,1015)	1:A:9:GLU:HG3	1:A:13:CYS:HB3	3	0.61
(1,1015)	1:A:9:GLU:HG2	1:A:13:CYS:HB3	10	0.61
(1,1015)	1:A:9:GLU:HG3	1:A:13:CYS:HB3	10	0.61
(1,1015)	1:A:9:GLU:HG2	1:A:13:CYS:HB3	20	0.61
(1,1015)	1:A:9:GLU:HG3	1:A:13:CYS:HB3	20	0.61
(2,16)	1:B:61:ASP:HB2	1:B:62:ARG:HD2	3	0.6
(2,16)	1:B:61:ASP:HB2	1:B:62:ARG:HD2	8	0.6
(2,15)	1:A:61:ASP:HB2	1:A:62:ARG:HD2	3	0.6
(2,15)	1:A:61:ASP:HB2	1:A:62:ARG:HD2	8	0.6
(2,145)	1:A:15:GLU:HG2	1:A:11:GLU:HG2	18	0.6
(2,124)	1:B:44:ASN:HB2	1:B:48:ALA:H	5	0.6
(1,56)	1:B:17:LEU:HD12	1:A:13:CYS:HB2	2	0.6
(1,56)	1:B:17:LEU:HD11	1:A:13:CYS:HB2	2	0.6
(1,56)	1:B:17:LEU:HD13	1:A:13:CYS:HB2	2	0.6
(1,4840)	1:B:68:ASP:HB2	1:B:39:PHE:HB3	20	0.6
(1,4840)	1:B:68:ASP:HB2	1:B:72:ASP:HB2	20	0.6
(1,4840)	1:B:80:PHE:HB3	1:B:39:PHE:HB3	20	0.6
(1,4839)	1:A:68:ASP:HB2	1:A:39:PHE:HB3	20	0.6
(1,4839)	1:A:68:ASP:HB2	1:A:72:ASP:HB2	20	0.6
(1,4839)	1:A:80:PHE:HB3	1:A:39:PHE:HB3	20	0.6
(1,4818)	1:B:62:ARG:HB3	1:B:59:VAL:HA	6	0.6
(1,4818)	1:B:59:VAL:HA	1:B:62:ARG:HG2	6	0.6
(1,4818)	1:B:62:ARG:HB3	1:B:59:VAL:HA	8	0.6
(1,4818)	1:B:59:VAL:HA	1:B:62:ARG:HG2	8	0.6
(1,4817)	1:A:62:ARG:HB3	1:A:59:VAL:HA	6	0.6
(1,4817)	1:A:59:VAL:HA	1:A:62:ARG:HG2	6	0.6
(1,4817)	1:A:62:ARG:HB3	1:A:59:VAL:HA	8	0.6
(1,4817)	1:A:59:VAL:HA	1:A:62:ARG:HG2	8	0.6
(1,4398)	1:B:13:CYS:HB2	1:A:17:LEU:HD12	3	0.6
(1,4398)	1:B:13:CYS:HB2	1:A:17:LEU:HD11	3	0.6
(1,4398)	1:B:13:CYS:HB2	1:A:17:LEU:HD13	3	0.6
(1,4398)	1:B:13:CYS:HB2	1:B:17:LEU:HD12	3	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4398)	1:B:13:CYS:HB2	1:B:17:LEU:HD11	3	0.6
(1,4398)	1:B:13:CYS:HB2	1:B:17:LEU:HD13	3	0.6
(1,4398)	1:B:13:CYS:HB2	1:A:17:LEU:HD12	5	0.6
(1,4398)	1:B:13:CYS:HB2	1:A:17:LEU:HD11	5	0.6
(1,4398)	1:B:13:CYS:HB2	1:A:17:LEU:HD13	5	0.6
(1,4398)	1:B:13:CYS:HB2	1:B:17:LEU:HD12	5	0.6
(1,4398)	1:B:13:CYS:HB2	1:B:17:LEU:HD11	5	0.6
(1,4398)	1:B:13:CYS:HB2	1:B:17:LEU:HD13	5	0.6
(1,4398)	1:B:13:CYS:HB2	1:A:17:LEU:HD12	11	0.6
(1,4398)	1:B:13:CYS:HB2	1:A:17:LEU:HD11	11	0.6
(1,4398)	1:B:13:CYS:HB2	1:A:17:LEU:HD13	11	0.6
(1,4398)	1:B:13:CYS:HB2	1:B:17:LEU:HD12	11	0.6
(1,4398)	1:B:13:CYS:HB2	1:B:17:LEU:HD11	11	0.6
(1,4398)	1:B:13:CYS:HB2	1:B:17:LEU:HD13	11	0.6
(1,4397)	1:A:13:CYS:HB2	1:B:17:LEU:HD12	5	0.6
(1,4397)	1:A:13:CYS:HB2	1:B:17:LEU:HD11	5	0.6
(1,4397)	1:A:13:CYS:HB2	1:B:17:LEU:HD13	5	0.6
(1,4397)	1:A:13:CYS:HB2	1:A:17:LEU:HD12	5	0.6
(1,4397)	1:A:13:CYS:HB2	1:A:17:LEU:HD11	5	0.6
(1,4397)	1:A:13:CYS:HB2	1:A:17:LEU:HD13	5	0.6
(1,4397)	1:A:13:CYS:HB2	1:B:17:LEU:HD12	19	0.6
(1,4397)	1:A:13:CYS:HB2	1:B:17:LEU:HD11	19	0.6
(1,4397)	1:A:13:CYS:HB2	1:B:17:LEU:HD13	19	0.6
(1,4397)	1:A:13:CYS:HB2	1:A:17:LEU:HD12	19	0.6
(1,4397)	1:A:13:CYS:HB2	1:A:17:LEU:HD11	19	0.6
(1,4397)	1:A:13:CYS:HB2	1:A:17:LEU:HD13	19	0.6
(1,4229)	1:A:11:GLU:HB2	1:A:13:CYS:HB3	8	0.6
(1,4229)	1:A:11:GLU:HB3	1:A:13:CYS:HB3	8	0.6
(1,4229)	1:A:12:ARG:HB2	1:A:13:CYS:HB3	8	0.6
(1,4229)	1:A:12:ARG:HB3	1:A:13:CYS:HB3	8	0.6
(1,4229)	1:A:14:ILE:HB	1:A:13:CYS:HB3	8	0.6
(1,4229)	1:A:91:CYS:HB2	1:B:14:ILE:HB	8	0.6
(1,4229)	1:A:91:CYS:HB3	1:B:14:ILE:HB	8	0.6
(1,4196)	1:B:52:LYS:HD2	1:B:53:ASN:HB3	9	0.6
(1,4196)	1:B:52:LYS:HD3	1:B:53:ASN:HB3	9	0.6
(1,4196)	1:B:52:LYS:HD2	1:B:44:ASN:HB3	9	0.6
(1,4196)	1:B:52:LYS:HD3	1:B:44:ASN:HB3	9	0.6
(1,4196)	1:B:52:LYS:HB2	1:B:53:ASN:HB3	9	0.6
(1,4196)	1:B:52:LYS:HB3	1:B:53:ASN:HB3	9	0.6
(1,4195)	1:A:52:LYS:HD2	1:A:53:ASN:HB3	9	0.6
(1,4195)	1:A:52:LYS:HD3	1:A:53:ASN:HB3	9	0.6
(1,4195)	1:A:52:LYS:HD2	1:A:44:ASN:HB3	9	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4195)	1:A:52:LYS:HD3	1:A:44:ASN:HB3	9	0.6
(1,4195)	1:A:52:LYS:HB2	1:A:53:ASN:HB3	9	0.6
(1,4195)	1:A:52:LYS:HB3	1:A:53:ASN:HB3	9	0.6
(1,3756)	1:B:39:PHE:HB2	1:B:36:LYS:HD2	7	0.6
(1,3756)	1:B:39:PHE:HB2	1:B:36:LYS:HD3	7	0.6
(1,3756)	1:B:39:PHE:HB2	1:B:43:MET:HB2	7	0.6
(1,3756)	1:B:39:PHE:HB2	1:B:43:MET:HB3	7	0.6
(1,3756)	1:B:39:PHE:HB2	1:B:64:MET:HB3	7	0.6
(1,3755)	1:A:39:PHE:HB2	1:A:36:LYS:HD2	7	0.6
(1,3755)	1:A:39:PHE:HB2	1:A:36:LYS:HD3	7	0.6
(1,3755)	1:A:39:PHE:HB2	1:A:43:MET:HB2	7	0.6
(1,3755)	1:A:39:PHE:HB2	1:A:43:MET:HB3	7	0.6
(1,3755)	1:A:39:PHE:HB2	1:A:64:MET:HB3	7	0.6
(1,3674)	1:B:75:LEU:HB3	1:B:21:PHE:HB3	6	0.6
(1,3674)	1:B:75:LEU:HB3	1:B:24:TYR:HB3	6	0.6
(1,3674)	1:B:75:LEU:HB3	1:B:42:PHE:HB3	6	0.6
(1,3674)	1:B:75:LEU:HB3	1:B:63:MET:HB2	6	0.6
(1,3673)	1:A:75:LEU:HB3	1:A:21:PHE:HB3	6	0.6
(1,3673)	1:A:75:LEU:HB3	1:A:24:TYR:HB3	6	0.6
(1,3673)	1:A:75:LEU:HB3	1:A:42:PHE:HB3	6	0.6
(1,3673)	1:A:75:LEU:HB3	1:A:63:MET:HB2	6	0.6
(1,3588)	1:B:75:LEU:HB2	1:B:76:ASP:HB2	17	0.6
(1,3588)	1:B:76:ASP:HB2	1:B:77:PHE:HB3	17	0.6
(1,3587)	1:A:75:LEU:HB2	1:A:76:ASP:HB2	17	0.6
(1,3587)	1:A:76:ASP:HB2	1:A:77:PHE:HB3	17	0.6
(1,3568)	1:B:17:LEU:HG	1:A:89:MET:HG3	13	0.6
(1,3568)	1:B:17:LEU:HG	1:B:15:GLU:HG2	13	0.6
(1,3568)	1:B:17:LEU:HG	1:B:21:PHE:HB3	13	0.6
(1,3567)	1:A:17:LEU:HG	1:B:89:MET:HG3	13	0.6
(1,3567)	1:A:17:LEU:HG	1:A:15:GLU:HG2	13	0.6
(1,3567)	1:A:17:LEU:HG	1:A:21:PHE:HB3	13	0.6
(1,3490)	1:B:13:CYS:HB2	1:B:81:LEU:HD22	6	0.6
(1,3490)	1:B:13:CYS:HB2	1:B:81:LEU:HD21	6	0.6
(1,3490)	1:B:13:CYS:HB2	1:B:81:LEU:HD23	6	0.6
(1,3490)	1:B:13:CYS:HB2	1:A:81:LEU:HD22	6	0.6
(1,3490)	1:B:13:CYS:HB2	1:A:81:LEU:HD21	6	0.6
(1,3490)	1:B:13:CYS:HB2	1:A:81:LEU:HD23	6	0.6
(1,3024)	1:B:76:ASP:H	1:B:75:LEU:HB2	11	0.6
(1,3024)	1:B:76:ASP:H	1:B:75:LEU:HB2	12	0.6
(1,3023)	1:A:76:ASP:H	1:A:75:LEU:HB2	11	0.6
(1,3023)	1:A:76:ASP:H	1:A:75:LEU:HB2	12	0.6
(1,2696)	1:B:82:ASN:H	1:B:83:LEU:HB2	13	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2695)	1:A:82:ASN:H	1:A:83:LEU:HB2	13	0.6
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD22	5	0.6
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD21	5	0.6
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD23	5	0.6
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD22	6	0.6
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD21	6	0.6
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD23	6	0.6
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD22	14	0.6
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD21	14	0.6
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD23	14	0.6
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD22	15	0.6
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD21	15	0.6
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD23	15	0.6
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD22	16	0.6
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD21	16	0.6
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD23	16	0.6
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD22	19	0.6
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD21	19	0.6
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD23	19	0.6
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD22	20	0.6
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD21	20	0.6
(1,2240)	1:B:47:LEU:HB2	1:B:47:LEU:HD23	20	0.6
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD22	5	0.6
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD21	5	0.6
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD23	5	0.6
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD22	6	0.6
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD21	6	0.6
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD23	6	0.6
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD22	14	0.6
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD21	14	0.6
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD23	14	0.6
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD22	15	0.6
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD21	15	0.6
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD23	15	0.6
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD22	16	0.6
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD21	16	0.6
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD23	16	0.6
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD22	19	0.6
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD21	19	0.6
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD23	19	0.6
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD22	20	0.6
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD21	20	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2239)	1:A:47:LEU:HB2	1:A:47:LEU:HD23	20	0.6
(1,210)	1:B:76:ASP:HA	1:B:34:LEU:HB3	8	0.6
(1,209)	1:A:76:ASP:HA	1:A:34:LEU:HB3	8	0.6
(1,1627)	1:A:24:TYR:HB3	1:A:42:PHE:HB3	4	0.6
(1,1030)	1:B:38:GLU:HB3	1:B:24:TYR:HB2	7	0.6
(1,1029)	1:A:38:GLU:HB3	1:A:24:TYR:HB2	7	0.6
(1,1016)	1:B:9:GLU:HG2	1:B:13:CYS:HB3	6	0.6
(1,1016)	1:B:9:GLU:HG3	1:B:13:CYS:HB3	6	0.6
(1,1015)	1:A:9:GLU:HG2	1:A:13:CYS:HB3	6	0.6
(1,1015)	1:A:9:GLU:HG3	1:A:13:CYS:HB3	6	0.6
(1,1015)	1:A:9:GLU:HG2	1:A:13:CYS:HB3	11	0.6
(1,1015)	1:A:9:GLU:HG3	1:A:13:CYS:HB3	11	0.6
(2,86)	1:B:42:PHE:HB2	1:B:47:LEU:H	7	0.59
(2,85)	1:A:42:PHE:HB2	1:A:47:LEU:H	7	0.59
(2,16)	1:B:61:ASP:HB2	1:B:62:ARG:HD2	14	0.59
(2,15)	1:A:61:ASP:HB2	1:A:62:ARG:HD2	12	0.59
(2,15)	1:A:61:ASP:HB2	1:A:62:ARG:HD2	14	0.59
(2,146)	1:B:15:GLU:HG2	1:B:11:GLU:HG2	18	0.59
(2,124)	1:B:44:ASN:HB2	1:B:48:ALA:H	3	0.59
(2,124)	1:B:44:ASN:HB2	1:B:48:ALA:H	16	0.59
(2,123)	1:A:44:ASN:HB2	1:A:48:ALA:H	3	0.59
(2,123)	1:A:44:ASN:HB2	1:A:48:ALA:H	5	0.59
(2,123)	1:A:44:ASN:HB2	1:A:48:ALA:H	16	0.59
(1,884)	1:B:34:LEU:HB3	1:B:80:PHE:HB2	20	0.59
(1,883)	1:A:34:LEU:HB3	1:A:80:PHE:HB2	20	0.59
(1,5676)	1:B:61:ASP:H	1:B:60:LEU:HG	7	0.59
(1,5676)	1:B:61:ASP:H	1:B:62:ARG:HB3	7	0.59
(1,5676)	1:B:61:ASP:H	1:B:62:ARG:HG2	7	0.59
(1,5675)	1:A:61:ASP:H	1:A:60:LEU:HG	7	0.59
(1,5675)	1:A:61:ASP:H	1:A:62:ARG:HB3	7	0.59
(1,5675)	1:A:61:ASP:H	1:A:62:ARG:HG2	7	0.59
(1,55)	1:A:17:LEU:HD12	1:B:13:CYS:HB2	2	0.59
(1,55)	1:A:17:LEU:HD11	1:B:13:CYS:HB2	2	0.59
(1,55)	1:A:17:LEU:HD13	1:B:13:CYS:HB2	2	0.59
(1,4230)	1:B:11:GLU:HB2	1:B:13:CYS:HB3	10	0.59
(1,4230)	1:B:11:GLU:HB3	1:B:13:CYS:HB3	10	0.59
(1,4230)	1:B:12:ARG:HB2	1:B:13:CYS:HB3	10	0.59
(1,4230)	1:B:12:ARG:HB3	1:B:13:CYS:HB3	10	0.59
(1,4230)	1:B:14:ILE:HB	1:B:13:CYS:HB3	10	0.59
(1,4230)	1:B:91:CYS:HB2	1:A:14:ILE:HB	10	0.59
(1,4230)	1:B:91:CYS:HB3	1:A:14:ILE:HB	10	0.59
(1,4229)	1:A:11:GLU:HB2	1:A:13:CYS:HB3	10	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4229)	1:A:11:GLU:HB3	1:A:13:CYS:HB3	10	0.59
(1,4229)	1:A:12:ARG:HB2	1:A:13:CYS:HB3	10	0.59
(1,4229)	1:A:12:ARG:HB3	1:A:13:CYS:HB3	10	0.59
(1,4229)	1:A:14:ILE:HB	1:A:13:CYS:HB3	10	0.59
(1,4229)	1:A:91:CYS:HB2	1:B:14:ILE:HB	10	0.59
(1,4229)	1:A:91:CYS:HB3	1:B:14:ILE:HB	10	0.59
(1,4106)	1:B:47:LEU:HB2	1:B:60:LEU:HB2	9	0.59
(1,4106)	1:B:47:LEU:HB2	1:A:7:PRO:HB3	9	0.59
(1,4106)	1:B:47:LEU:HB2	1:A:11:GLU:HB2	9	0.59
(1,4106)	1:B:47:LEU:HB2	1:A:11:GLU:HB3	9	0.59
(1,4106)	1:B:47:LEU:HB2	1:A:14:ILE:HB	9	0.59
(1,4105)	1:A:47:LEU:HB2	1:A:60:LEU:HB2	19	0.59
(1,4105)	1:A:47:LEU:HB2	1:B:7:PRO:HB3	19	0.59
(1,4105)	1:A:47:LEU:HB2	1:B:11:GLU:HB2	19	0.59
(1,4105)	1:A:47:LEU:HB2	1:B:11:GLU:HB3	19	0.59
(1,4105)	1:A:47:LEU:HB2	1:B:14:ILE:HB	19	0.59
(1,4030)	1:B:73:GLY:HA3	1:B:36:LYS:HD2	12	0.59
(1,4030)	1:B:73:GLY:HA3	1:B:36:LYS:HD3	12	0.59
(1,4030)	1:B:73:GLY:HA3	1:B:74:GLN:HB3	12	0.59
(1,4029)	1:A:73:GLY:HA3	1:A:36:LYS:HD2	12	0.59
(1,4029)	1:A:73:GLY:HA3	1:A:36:LYS:HD3	12	0.59
(1,4029)	1:A:73:GLY:HA3	1:A:74:GLN:HB3	12	0.59
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD22	7	0.59
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD21	7	0.59
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD23	7	0.59
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD22	7	0.59
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD21	7	0.59
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD23	7	0.59
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD22	7	0.59
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD21	7	0.59
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD23	7	0.59
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD22	7	0.59
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD21	7	0.59
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD23	7	0.59
(1,3606)	1:B:77:PHE:HB3	1:A:88:ALA:HB2	2	0.59
(1,3606)	1:B:77:PHE:HB3	1:A:88:ALA:HB1	2	0.59
(1,3606)	1:B:77:PHE:HB3	1:A:88:ALA:HB3	2	0.59
(1,3606)	1:B:77:PHE:HB3	1:A:90:ALA:HB2	2	0.59
(1,3606)	1:B:77:PHE:HB3	1:A:90:ALA:HB1	2	0.59
(1,3606)	1:B:77:PHE:HB3	1:A:90:ALA:HB3	2	0.59
(1,3606)	1:B:77:PHE:HB3	1:B:17:LEU:HB3	2	0.59
(1,3605)	1:A:77:PHE:HB3	1:B:88:ALA:HB2	2	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3605)	1:A:77:PHE:HB3	1:B:88:ALA:HB1	2	0.59
(1,3605)	1:A:77:PHE:HB3	1:B:88:ALA:HB3	2	0.59
(1,3605)	1:A:77:PHE:HB3	1:B:90:ALA:HB2	2	0.59
(1,3605)	1:A:77:PHE:HB3	1:B:90:ALA:HB1	2	0.59
(1,3605)	1:A:77:PHE:HB3	1:B:90:ALA:HB3	2	0.59
(1,3605)	1:A:77:PHE:HB3	1:A:17:LEU:HB3	2	0.59
(1,3568)	1:B:17:LEU:HG	1:A:89:MET:HG3	8	0.59
(1,3568)	1:B:17:LEU:HG	1:B:15:GLU:HG2	8	0.59
(1,3568)	1:B:17:LEU:HG	1:B:21:PHE:HB3	8	0.59
(1,3568)	1:B:17:LEU:HG	1:A:89:MET:HG3	11	0.59
(1,3568)	1:B:17:LEU:HG	1:B:15:GLU:HG2	11	0.59
(1,3568)	1:B:17:LEU:HG	1:B:21:PHE:HB3	11	0.59
(1,3567)	1:A:17:LEU:HG	1:B:89:MET:HG3	8	0.59
(1,3567)	1:A:17:LEU:HG	1:A:15:GLU:HG2	8	0.59
(1,3567)	1:A:17:LEU:HG	1:A:21:PHE:HB3	8	0.59
(1,3567)	1:A:17:LEU:HG	1:B:89:MET:HG3	11	0.59
(1,3567)	1:A:17:LEU:HG	1:A:15:GLU:HG2	11	0.59
(1,3567)	1:A:17:LEU:HG	1:A:21:PHE:HB3	11	0.59
(1,3253)	1:A:62:ARG:H	1:A:61:ASP:HB2	1	0.59
(1,3024)	1:B:76:ASP:H	1:B:75:LEU:HB2	7	0.59
(1,3023)	1:A:76:ASP:H	1:A:75:LEU:HB2	7	0.59
(1,1030)	1:B:38:GLU:HB3	1:B:24:TYR:HB2	2	0.59
(1,1029)	1:A:38:GLU:HB3	1:A:24:TYR:HB2	2	0.59
(1,1016)	1:B:9:GLU:HG2	1:B:13:CYS:HB3	8	0.59
(1,1016)	1:B:9:GLU:HG3	1:B:13:CYS:HB3	8	0.59
(1,1015)	1:A:9:GLU:HG2	1:A:13:CYS:HB3	8	0.59
(1,1015)	1:A:9:GLU:HG3	1:A:13:CYS:HB3	8	0.59
(2,16)	1:B:61:ASP:HB2	1:B:62:ARG:HD2	12	0.58
(1,884)	1:B:34:LEU:HB3	1:B:80:PHE:HB2	14	0.58
(1,883)	1:A:34:LEU:HB3	1:A:80:PHE:HB2	14	0.58
(1,624)	1:B:34:LEU:HB2	1:B:38:GLU:HB2	9	0.58
(1,4920)	1:B:52:LYS:HA	1:B:43:MET:HB2	13	0.58
(1,4920)	1:B:52:LYS:HA	1:B:43:MET:HB3	13	0.58
(1,4920)	1:B:52:LYS:HA	1:B:47:LEU:HB3	13	0.58
(1,4920)	1:B:71:SER:HA	1:B:36:LYS:HD2	13	0.58
(1,4920)	1:B:71:SER:HA	1:B:36:LYS:HD3	13	0.58
(1,4920)	1:B:71:SER:HA	1:B:67:LEU:HB2	13	0.58
(1,4920)	1:B:71:SER:HA	1:B:74:GLN:HB3	13	0.58
(1,4919)	1:A:52:LYS:HA	1:A:43:MET:HB2	13	0.58
(1,4919)	1:A:52:LYS:HA	1:A:43:MET:HB3	13	0.58
(1,4919)	1:A:52:LYS:HA	1:A:47:LEU:HB3	13	0.58
(1,4919)	1:A:71:SER:HA	1:A:36:LYS:HD2	13	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4919)	1:A:71:SER:HA	1:A:36:LYS:HD3	13	0.58
(1,4919)	1:A:71:SER:HA	1:A:67:LEU:HB2	13	0.58
(1,4919)	1:A:71:SER:HA	1:A:74:GLN:HB3	13	0.58
(1,4397)	1:A:13:CYS:HB2	1:B:17:LEU:HD12	3	0.58
(1,4397)	1:A:13:CYS:HB2	1:B:17:LEU:HD11	3	0.58
(1,4397)	1:A:13:CYS:HB2	1:B:17:LEU:HD13	3	0.58
(1,4397)	1:A:13:CYS:HB2	1:A:17:LEU:HD12	3	0.58
(1,4397)	1:A:13:CYS:HB2	1:A:17:LEU:HD11	3	0.58
(1,4397)	1:A:13:CYS:HB2	1:A:17:LEU:HD13	3	0.58
(1,4048)	1:B:52:LYS:HB2	1:B:53:ASN:HB3	16	0.58
(1,4048)	1:B:52:LYS:HB3	1:B:53:ASN:HB3	16	0.58
(1,4048)	1:B:74:GLN:HB2	1:B:76:ASP:HB3	16	0.58
(1,4047)	1:A:52:LYS:HB2	1:A:53:ASN:HB3	16	0.58
(1,4047)	1:A:52:LYS:HB3	1:A:53:ASN:HB3	16	0.58
(1,4047)	1:A:74:GLN:HB2	1:A:76:ASP:HB3	16	0.58
(1,4030)	1:B:73:GLY:HA3	1:B:36:LYS:HD2	4	0.58
(1,4030)	1:B:73:GLY:HA3	1:B:36:LYS:HD3	4	0.58
(1,4030)	1:B:73:GLY:HA3	1:B:74:GLN:HB3	4	0.58
(1,4030)	1:B:73:GLY:HA3	1:B:36:LYS:HD2	7	0.58
(1,4030)	1:B:73:GLY:HA3	1:B:36:LYS:HD3	7	0.58
(1,4030)	1:B:73:GLY:HA3	1:B:74:GLN:HB3	7	0.58
(1,4030)	1:B:73:GLY:HA3	1:B:36:LYS:HD2	11	0.58
(1,4030)	1:B:73:GLY:HA3	1:B:36:LYS:HD3	11	0.58
(1,4030)	1:B:73:GLY:HA3	1:B:74:GLN:HB3	11	0.58
(1,4029)	1:A:73:GLY:HA3	1:A:36:LYS:HD2	4	0.58
(1,4029)	1:A:73:GLY:HA3	1:A:36:LYS:HD3	4	0.58
(1,4029)	1:A:73:GLY:HA3	1:A:74:GLN:HB3	4	0.58
(1,4029)	1:A:73:GLY:HA3	1:A:36:LYS:HD2	7	0.58
(1,4029)	1:A:73:GLY:HA3	1:A:36:LYS:HD3	7	0.58
(1,4029)	1:A:73:GLY:HA3	1:A:74:GLN:HB3	7	0.58
(1,4029)	1:A:73:GLY:HA3	1:A:36:LYS:HD2	11	0.58
(1,4029)	1:A:73:GLY:HA3	1:A:36:LYS:HD3	11	0.58
(1,4029)	1:A:73:GLY:HA3	1:A:74:GLN:HB3	11	0.58
(1,3938)	1:B:39:PHE:HB2	1:B:36:LYS:HG2	4	0.58
(1,3938)	1:B:39:PHE:HB2	1:B:36:LYS:HG3	4	0.58
(1,3938)	1:B:65:LYS:HG2	1:B:64:MET:HA	4	0.58
(1,3938)	1:B:65:LYS:HG3	1:B:64:MET:HA	4	0.58
(1,3937)	1:A:39:PHE:HB2	1:A:36:LYS:HG2	4	0.58
(1,3937)	1:A:39:PHE:HB2	1:A:36:LYS:HG3	4	0.58
(1,3937)	1:A:65:LYS:HG2	1:A:64:MET:HA	4	0.58
(1,3937)	1:A:65:LYS:HG3	1:A:64:MET:HA	4	0.58
(1,3850)	1:B:34:LEU:HB2	1:B:39:PHE:HB2	19	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3850)	1:B:39:PHE:HB2	1:B:36:LYS:HB2	19	0.58
(1,3850)	1:B:39:PHE:HB2	1:B:36:LYS:HB3	19	0.58
(1,3850)	1:B:39:PHE:HB2	1:B:40:LEU:HG	19	0.58
(1,3850)	1:B:39:PHE:HB2	1:B:64:MET:HB2	19	0.58
(1,3849)	1:A:34:LEU:HB2	1:A:39:PHE:HB2	19	0.58
(1,3849)	1:A:39:PHE:HB2	1:A:36:LYS:HB2	19	0.58
(1,3849)	1:A:39:PHE:HB2	1:A:36:LYS:HB3	19	0.58
(1,3849)	1:A:39:PHE:HB2	1:A:40:LEU:HG	19	0.58
(1,3849)	1:A:39:PHE:HB2	1:A:64:MET:HB2	19	0.58
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD22	1	0.58
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD21	1	0.58
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD23	1	0.58
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD22	1	0.58
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD21	1	0.58
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD23	1	0.58
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD22	1	0.58
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD21	1	0.58
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD23	1	0.58
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD22	1	0.58
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD21	1	0.58
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD23	1	0.58
(1,3538)	1:B:39:PHE:HB3	1:B:34:LEU:HA	17	0.58
(1,3538)	1:B:34:LEU:HA	1:B:80:PHE:HB2	17	0.58
(1,3537)	1:A:39:PHE:HB3	1:A:34:LEU:HA	17	0.58
(1,3537)	1:A:34:LEU:HA	1:A:80:PHE:HB2	17	0.58
(1,3489)	1:A:13:CYS:HB2	1:A:81:LEU:HD22	17	0.58
(1,3489)	1:A:13:CYS:HB2	1:A:81:LEU:HD21	17	0.58
(1,3489)	1:A:13:CYS:HB2	1:A:81:LEU:HD23	17	0.58
(1,3489)	1:A:13:CYS:HB2	1:B:81:LEU:HD22	17	0.58
(1,3489)	1:A:13:CYS:HB2	1:B:81:LEU:HD21	17	0.58
(1,3489)	1:A:13:CYS:HB2	1:B:81:LEU:HD23	17	0.58
(1,3254)	1:B:62:ARG:H	1:B:61:ASP:HB2	1	0.58
(1,3253)	1:A:62:ARG:H	1:A:61:ASP:HB2	11	0.58
(1,3024)	1:B:76:ASP:H	1:B:75:LEU:HB2	6	0.58
(1,3023)	1:A:76:ASP:H	1:A:75:LEU:HB2	6	0.58
(1,1238)	1:B:62:ARG:HB3	1:B:59:VAL:HA	20	0.58
(1,1237)	1:A:62:ARG:HB3	1:A:59:VAL:HA	20	0.58
(1,1030)	1:B:38:GLU:HB3	1:B:24:TYR:HB2	5	0.58
(1,1029)	1:A:38:GLU:HB3	1:A:24:TYR:HB2	5	0.58
(1,1016)	1:B:9:GLU:HG2	1:B:13:CYS:HB3	17	0.58
(1,1016)	1:B:9:GLU:HG3	1:B:13:CYS:HB3	17	0.58
(2,16)	1:B:61:ASP:HB2	1:B:62:ARG:HD2	19	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,15)	1:A:61:ASP:HB2	1:A:62:ARG:HD2	19	0.57
(1,884)	1:B:34:LEU:HB3	1:B:80:PHE:HB2	19	0.57
(1,883)	1:A:34:LEU:HB3	1:A:80:PHE:HB2	19	0.57
(1,623)	1:A:34:LEU:HB2	1:A:38:GLU:HB2	9	0.57
(1,4840)	1:B:68:ASP:HB2	1:B:39:PHE:HB3	8	0.57
(1,4840)	1:B:68:ASP:HB2	1:B:72:ASP:HB2	8	0.57
(1,4840)	1:B:80:PHE:HB3	1:B:39:PHE:HB3	8	0.57
(1,4196)	1:B:52:LYS:HD2	1:B:53:ASN:HB3	7	0.57
(1,4196)	1:B:52:LYS:HD3	1:B:53:ASN:HB3	7	0.57
(1,4196)	1:B:52:LYS:HD2	1:B:44:ASN:HB3	7	0.57
(1,4196)	1:B:52:LYS:HD3	1:B:44:ASN:HB3	7	0.57
(1,4196)	1:B:52:LYS:HB2	1:B:53:ASN:HB3	7	0.57
(1,4196)	1:B:52:LYS:HB3	1:B:53:ASN:HB3	7	0.57
(1,4106)	1:B:47:LEU:HB2	1:B:60:LEU:HB2	19	0.57
(1,4106)	1:B:47:LEU:HB2	1:A:7:PRO:HB3	19	0.57
(1,4106)	1:B:47:LEU:HB2	1:A:11:GLU:HB2	19	0.57
(1,4106)	1:B:47:LEU:HB2	1:A:11:GLU:HB3	19	0.57
(1,4106)	1:B:47:LEU:HB2	1:A:14:ILE:HB	19	0.57
(1,3802)	1:B:40:LEU:HA	1:B:36:LYS:HE2	7	0.57
(1,3802)	1:B:40:LEU:HA	1:B:36:LYS:HE3	7	0.57
(1,3802)	1:B:21:PHE:HB2	1:B:22:GLN:HA	7	0.57
(1,3538)	1:B:39:PHE:HB3	1:B:34:LEU:HA	2	0.57
(1,3538)	1:B:34:LEU:HA	1:B:80:PHE:HB2	2	0.57
(1,3538)	1:B:39:PHE:HB3	1:B:34:LEU:HA	8	0.57
(1,3538)	1:B:34:LEU:HA	1:B:80:PHE:HB2	8	0.57
(1,3537)	1:A:39:PHE:HB3	1:A:34:LEU:HA	2	0.57
(1,3537)	1:A:34:LEU:HA	1:A:80:PHE:HB2	2	0.57
(1,3537)	1:A:39:PHE:HB3	1:A:34:LEU:HA	8	0.57
(1,3537)	1:A:34:LEU:HA	1:A:80:PHE:HB2	8	0.57
(1,3518)	1:B:51:THR:HB	1:B:44:ASN:HB2	9	0.57
(1,3518)	1:B:37:THR:HB	1:B:27:LYS:HE2	9	0.57
(1,3518)	1:B:37:THR:HB	1:B:27:LYS:HE3	9	0.57
(1,3254)	1:B:62:ARG:H	1:B:61:ASP:HB2	8	0.57
(1,3254)	1:B:62:ARG:H	1:B:61:ASP:HB2	11	0.57
(1,3253)	1:A:62:ARG:H	1:A:61:ASP:HB2	8	0.57
(1,3024)	1:B:76:ASP:H	1:B:75:LEU:HB2	4	0.57
(1,210)	1:B:76:ASP:HA	1:B:34:LEU:HB3	20	0.57
(1,209)	1:A:76:ASP:HA	1:A:34:LEU:HB3	20	0.57
(1,136)	1:B:89:MET:HG2	1:B:85:GLY:HA3	8	0.57
(1,135)	1:A:89:MET:HG2	1:A:85:GLY:HA3	8	0.57
(1,1015)	1:A:9:GLU:HG2	1:A:13:CYS:HB3	17	0.57
(1,1015)	1:A:9:GLU:HG3	1:A:13:CYS:HB3	17	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,15)	1:A:61:ASP:HB2	1:A:62:ARG:HD2	4	0.56
(2,124)	1:B:44:ASN:HB2	1:B:48:ALA:H	10	0.56
(2,124)	1:B:44:ASN:HB2	1:B:48:ALA:H	12	0.56
(2,124)	1:B:44:ASN:HB2	1:B:48:ALA:H	20	0.56
(2,123)	1:A:44:ASN:HB2	1:A:48:ALA:H	10	0.56
(2,123)	1:A:44:ASN:HB2	1:A:48:ALA:H	20	0.56
(1,884)	1:B:34:LEU:HB3	1:B:80:PHE:HB2	6	0.56
(1,883)	1:A:34:LEU:HB3	1:A:80:PHE:HB2	6	0.56
(1,4839)	1:A:68:ASP:HB2	1:A:39:PHE:HB3	8	0.56
(1,4839)	1:A:68:ASP:HB2	1:A:72:ASP:HB2	8	0.56
(1,4839)	1:A:80:PHE:HB3	1:A:39:PHE:HB3	8	0.56
(1,476)	1:B:67:LEU:HB3	1:B:75:LEU:HB2	12	0.56
(1,475)	1:A:67:LEU:HB3	1:A:75:LEU:HB2	12	0.56
(1,4195)	1:A:52:LYS:HD2	1:A:53:ASN:HB3	7	0.56
(1,4195)	1:A:52:LYS:HD3	1:A:53:ASN:HB3	7	0.56
(1,4195)	1:A:52:LYS:HD2	1:A:44:ASN:HB3	7	0.56
(1,4195)	1:A:52:LYS:HD3	1:A:44:ASN:HB3	7	0.56
(1,4195)	1:A:52:LYS:HB2	1:A:53:ASN:HB3	7	0.56
(1,4195)	1:A:52:LYS:HB3	1:A:53:ASN:HB3	7	0.56
(1,3801)	1:A:40:LEU:HA	1:A:36:LYS:HE2	7	0.56
(1,3801)	1:A:40:LEU:HA	1:A:36:LYS:HE3	7	0.56
(1,3801)	1:A:21:PHE:HB2	1:A:22:GLN:HA	7	0.56
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD22	4	0.56
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD21	4	0.56
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD23	4	0.56
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD22	4	0.56
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD21	4	0.56
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD23	4	0.56
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD22	14	0.56
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD21	14	0.56
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD23	14	0.56
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD22	14	0.56
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD21	14	0.56
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD23	14	0.56
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD22	4	0.56
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD21	4	0.56
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD23	4	0.56
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD22	4	0.56
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD21	4	0.56
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD23	4	0.56
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD22	14	0.56
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD21	14	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD23	14	0.56
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD22	14	0.56
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD21	14	0.56
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD23	14	0.56
(1,3625)	1:A:34:LEU:HA	1:A:24:TYR:HB2	5	0.56
(1,3625)	1:A:34:LEU:HA	1:A:27:LYS:HE2	5	0.56
(1,3625)	1:A:34:LEU:HA	1:A:27:LYS:HE3	5	0.56
(1,3538)	1:B:39:PHE:HB3	1:B:34:LEU:HA	4	0.56
(1,3538)	1:B:34:LEU:HA	1:B:80:PHE:HB2	4	0.56
(1,3537)	1:A:39:PHE:HB3	1:A:34:LEU:HA	4	0.56
(1,3537)	1:A:34:LEU:HA	1:A:80:PHE:HB2	4	0.56
(1,3517)	1:A:51:THR:HB	1:A:44:ASN:HB2	9	0.56
(1,3517)	1:A:37:THR:HB	1:A:27:LYS:HE2	9	0.56
(1,3517)	1:A:37:THR:HB	1:A:27:LYS:HE3	9	0.56
(1,3513)	1:A:40:LEU:HB2	1:A:39:PHE:HB3	11	0.56
(1,3513)	1:A:40:LEU:HB2	1:A:42:PHE:HB2	11	0.56
(1,3513)	1:A:60:LEU:HB2	1:A:39:PHE:HB3	11	0.56
(1,3490)	1:B:13:CYS:HB2	1:B:81:LEU:HD22	15	0.56
(1,3490)	1:B:13:CYS:HB2	1:B:81:LEU:HD21	15	0.56
(1,3490)	1:B:13:CYS:HB2	1:B:81:LEU:HD23	15	0.56
(1,3490)	1:B:13:CYS:HB2	1:A:81:LEU:HD22	15	0.56
(1,3490)	1:B:13:CYS:HB2	1:A:81:LEU:HD21	15	0.56
(1,3490)	1:B:13:CYS:HB2	1:A:81:LEU:HD23	15	0.56
(1,3490)	1:B:13:CYS:HB2	1:B:81:LEU:HD22	17	0.56
(1,3490)	1:B:13:CYS:HB2	1:B:81:LEU:HD21	17	0.56
(1,3490)	1:B:13:CYS:HB2	1:B:81:LEU:HD23	17	0.56
(1,3490)	1:B:13:CYS:HB2	1:A:81:LEU:HD22	17	0.56
(1,3490)	1:B:13:CYS:HB2	1:A:81:LEU:HD21	17	0.56
(1,3490)	1:B:13:CYS:HB2	1:A:81:LEU:HD23	17	0.56
(1,3489)	1:A:13:CYS:HB2	1:A:81:LEU:HD22	15	0.56
(1,3489)	1:A:13:CYS:HB2	1:A:81:LEU:HD21	15	0.56
(1,3489)	1:A:13:CYS:HB2	1:A:81:LEU:HD23	15	0.56
(1,3489)	1:A:13:CYS:HB2	1:B:81:LEU:HD22	15	0.56
(1,3489)	1:A:13:CYS:HB2	1:B:81:LEU:HD21	15	0.56
(1,3489)	1:A:13:CYS:HB2	1:B:81:LEU:HD23	15	0.56
(1,3253)	1:A:62:ARG:H	1:A:61:ASP:HB2	16	0.56
(1,3024)	1:B:76:ASP:H	1:B:75:LEU:HB2	18	0.56
(1,3023)	1:A:76:ASP:H	1:A:75:LEU:HB2	4	0.56
(1,3023)	1:A:76:ASP:H	1:A:75:LEU:HB2	18	0.56
(1,2776)	1:B:50:PHE:H	1:B:47:LEU:HB2	17	0.56
(1,2775)	1:A:50:PHE:H	1:A:47:LEU:HB2	16	0.56
(1,2775)	1:A:50:PHE:H	1:A:47:LEU:HB2	17	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2592)	1:B:26:GLY:H	1:B:24:TYR:HB3	20	0.56
(1,2591)	1:A:26:GLY:H	1:A:24:TYR:HB3	20	0.56
(1,251)	1:A:76:ASP:HB2	1:A:77:PHE:HB2	2	0.56
(1,1238)	1:B:62:ARG:HB3	1:B:59:VAL:HA	16	0.56
(1,1237)	1:A:62:ARG:HB3	1:A:59:VAL:HA	16	0.56
(1,1030)	1:B:38:GLU:HB3	1:B:24:TYR:HB2	10	0.56
(1,1029)	1:A:38:GLU:HB3	1:A:24:TYR:HB2	10	0.56
(2,16)	1:B:61:ASP:HB2	1:B:62:ARG:HD2	4	0.55
(2,124)	1:B:44:ASN:HB2	1:B:48:ALA:H	1	0.55
(2,124)	1:B:44:ASN:HB2	1:B:48:ALA:H	2	0.55
(2,124)	1:B:44:ASN:HB2	1:B:48:ALA:H	8	0.55
(2,123)	1:A:44:ASN:HB2	1:A:48:ALA:H	1	0.55
(2,123)	1:A:44:ASN:HB2	1:A:48:ALA:H	2	0.55
(2,123)	1:A:44:ASN:HB2	1:A:48:ALA:H	12	0.55
(1,5536)	1:B:23:LYS:H	1:B:20:VAL:HB	9	0.55
(1,5536)	1:B:23:LYS:H	1:B:22:GLN:HG2	9	0.55
(1,5536)	1:B:23:LYS:H	1:B:22:GLN:HG3	9	0.55
(1,5536)	1:B:23:LYS:H	1:B:24:TYR:HB3	9	0.55
(1,5535)	1:A:23:LYS:H	1:A:20:VAL:HB	9	0.55
(1,5535)	1:A:23:LYS:H	1:A:22:GLN:HG2	9	0.55
(1,5535)	1:A:23:LYS:H	1:A:22:GLN:HG3	9	0.55
(1,5535)	1:A:23:LYS:H	1:A:24:TYR:HB3	9	0.55
(1,5216)	1:B:34:LEU:H	1:B:21:PHE:HB3	19	0.55
(1,5216)	1:B:34:LEU:H	1:B:22:GLN:HG2	19	0.55
(1,5216)	1:B:34:LEU:H	1:B:22:GLN:HG3	19	0.55
(1,5216)	1:B:34:LEU:H	1:B:64:MET:HG2	19	0.55
(1,5216)	1:B:34:LEU:H	1:B:64:MET:HG3	19	0.55
(1,5216)	1:B:34:LEU:H	1:B:77:PHE:HB2	19	0.55
(1,5215)	1:A:34:LEU:H	1:A:21:PHE:HB3	19	0.55
(1,5215)	1:A:34:LEU:H	1:A:22:GLN:HG2	19	0.55
(1,5215)	1:A:34:LEU:H	1:A:22:GLN:HG3	19	0.55
(1,5215)	1:A:34:LEU:H	1:A:64:MET:HG2	19	0.55
(1,5215)	1:A:34:LEU:H	1:A:64:MET:HG3	19	0.55
(1,5215)	1:A:34:LEU:H	1:A:77:PHE:HB2	19	0.55
(1,4438)	1:B:22:GLN:HG2	1:B:25:ALA:HB2	12	0.55
(1,4438)	1:B:22:GLN:HG2	1:B:25:ALA:HB1	12	0.55
(1,4438)	1:B:22:GLN:HG2	1:B:25:ALA:HB3	12	0.55
(1,4438)	1:B:22:GLN:HG3	1:B:25:ALA:HB2	12	0.55
(1,4438)	1:B:22:GLN:HG3	1:B:25:ALA:HB1	12	0.55
(1,4438)	1:B:22:GLN:HG3	1:B:25:ALA:HB3	12	0.55
(1,4438)	1:B:25:ALA:HB2	1:B:24:TYR:HB3	12	0.55
(1,4438)	1:B:25:ALA:HB1	1:B:24:TYR:HB3	12	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4438)	1:B:25:ALA:HB3	1:B:24:TYR:HB3	12	0.55
(1,4437)	1:A:22:GLN:HG2	1:A:25:ALA:HB2	12	0.55
(1,4437)	1:A:22:GLN:HG2	1:A:25:ALA:HB1	12	0.55
(1,4437)	1:A:22:GLN:HG2	1:A:25:ALA:HB3	12	0.55
(1,4437)	1:A:22:GLN:HG3	1:A:25:ALA:HB2	12	0.55
(1,4437)	1:A:22:GLN:HG3	1:A:25:ALA:HB1	12	0.55
(1,4437)	1:A:22:GLN:HG3	1:A:25:ALA:HB3	12	0.55
(1,4437)	1:A:25:ALA:HB2	1:A:24:TYR:HB3	12	0.55
(1,4437)	1:A:25:ALA:HB1	1:A:24:TYR:HB3	12	0.55
(1,4437)	1:A:25:ALA:HB3	1:A:24:TYR:HB3	12	0.55
(1,4272)	1:B:82:ASN:HA	1:B:83:LEU:HA	1	0.55
(1,4272)	1:B:82:ASN:HA	1:B:85:GLY:HA2	1	0.55
(1,4272)	1:B:82:ASN:HA	1:B:83:LEU:HA	3	0.55
(1,4272)	1:B:82:ASN:HA	1:B:85:GLY:HA2	3	0.55
(1,4271)	1:A:82:ASN:HA	1:A:83:LEU:HA	1	0.55
(1,4271)	1:A:82:ASN:HA	1:A:85:GLY:HA2	1	0.55
(1,4271)	1:A:82:ASN:HA	1:A:83:LEU:HA	3	0.55
(1,4271)	1:A:82:ASN:HA	1:A:85:GLY:HA2	3	0.55
(1,4048)	1:B:52:LYS:HB2	1:B:53:ASN:HB3	7	0.55
(1,4048)	1:B:52:LYS:HB3	1:B:53:ASN:HB3	7	0.55
(1,4048)	1:B:74:GLN:HB2	1:B:76:ASP:HB3	7	0.55
(1,4047)	1:A:52:LYS:HB2	1:A:53:ASN:HB3	7	0.55
(1,4047)	1:A:52:LYS:HB3	1:A:53:ASN:HB3	7	0.55
(1,4047)	1:A:74:GLN:HB2	1:A:76:ASP:HB3	7	0.55
(1,4030)	1:B:73:GLY:HA3	1:B:36:LYS:HD2	9	0.55
(1,4030)	1:B:73:GLY:HA3	1:B:36:LYS:HD3	9	0.55
(1,4030)	1:B:73:GLY:HA3	1:B:74:GLN:HB3	9	0.55
(1,4029)	1:A:73:GLY:HA3	1:A:36:LYS:HD2	9	0.55
(1,4029)	1:A:73:GLY:HA3	1:A:36:LYS:HD3	9	0.55
(1,4029)	1:A:73:GLY:HA3	1:A:74:GLN:HB3	9	0.55
(1,3850)	1:B:34:LEU:HB2	1:B:39:PHE:HB2	20	0.55
(1,3850)	1:B:39:PHE:HB2	1:B:36:LYS:HB2	20	0.55
(1,3850)	1:B:39:PHE:HB2	1:B:36:LYS:HB3	20	0.55
(1,3850)	1:B:39:PHE:HB2	1:B:40:LEU:HG	20	0.55
(1,3850)	1:B:39:PHE:HB2	1:B:64:MET:HB2	20	0.55
(1,3849)	1:A:34:LEU:HB2	1:A:39:PHE:HB2	20	0.55
(1,3849)	1:A:39:PHE:HB2	1:A:36:LYS:HB2	20	0.55
(1,3849)	1:A:39:PHE:HB2	1:A:36:LYS:HB3	20	0.55
(1,3849)	1:A:39:PHE:HB2	1:A:40:LEU:HG	20	0.55
(1,3849)	1:A:39:PHE:HB2	1:A:64:MET:HB2	20	0.55
(1,3838)	1:B:33:THR:HA	1:B:34:LEU:HG	3	0.55
(1,3838)	1:B:75:LEU:HB3	1:B:33:THR:HA	3	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3837)	1:A:33:THR:HA	1:A:34:LEU:HG	3	0.55
(1,3837)	1:A:75:LEU:HB3	1:A:33:THR:HA	3	0.55
(1,3762)	1:B:58:GLY:HA3	1:B:60:LEU:HG	16	0.55
(1,3762)	1:B:58:GLY:HA3	1:B:62:ARG:HG2	16	0.55
(1,3761)	1:A:58:GLY:HA3	1:A:60:LEU:HG	16	0.55
(1,3761)	1:A:58:GLY:HA3	1:A:62:ARG:HG2	16	0.55
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD22	6	0.55
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD21	6	0.55
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD23	6	0.55
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD22	6	0.55
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD21	6	0.55
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD23	6	0.55
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD22	6	0.55
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD21	6	0.55
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD23	6	0.55
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD22	6	0.55
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD21	6	0.55
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD23	6	0.55
(1,3626)	1:B:34:LEU:HA	1:B:24:TYR:HB2	5	0.55
(1,3626)	1:B:34:LEU:HA	1:B:27:LYS:HE2	5	0.55
(1,3626)	1:B:34:LEU:HA	1:B:27:LYS:HE3	5	0.55
(1,3568)	1:B:17:LEU:HG	1:A:89:MET:HG3	1	0.55
(1,3568)	1:B:17:LEU:HG	1:B:15:GLU:HG2	1	0.55
(1,3568)	1:B:17:LEU:HG	1:B:21:PHE:HB3	1	0.55
(1,3568)	1:B:17:LEU:HG	1:A:89:MET:HG3	5	0.55
(1,3568)	1:B:17:LEU:HG	1:B:15:GLU:HG2	5	0.55
(1,3568)	1:B:17:LEU:HG	1:B:21:PHE:HB3	5	0.55
(1,3568)	1:B:17:LEU:HG	1:A:89:MET:HG3	14	0.55
(1,3568)	1:B:17:LEU:HG	1:B:15:GLU:HG2	14	0.55
(1,3568)	1:B:17:LEU:HG	1:B:21:PHE:HB3	14	0.55
(1,3567)	1:A:17:LEU:HG	1:B:89:MET:HG3	1	0.55
(1,3567)	1:A:17:LEU:HG	1:A:15:GLU:HG2	1	0.55
(1,3567)	1:A:17:LEU:HG	1:A:21:PHE:HB3	1	0.55
(1,3567)	1:A:17:LEU:HG	1:B:89:MET:HG3	5	0.55
(1,3567)	1:A:17:LEU:HG	1:A:15:GLU:HG2	5	0.55
(1,3567)	1:A:17:LEU:HG	1:A:21:PHE:HB3	5	0.55
(1,3514)	1:B:40:LEU:HB2	1:B:39:PHE:HB3	11	0.55
(1,3514)	1:B:40:LEU:HB2	1:B:42:PHE:HB2	11	0.55
(1,3514)	1:B:60:LEU:HB2	1:B:39:PHE:HB3	11	0.55
(1,3514)	1:B:40:LEU:HB2	1:B:39:PHE:HB3	14	0.55
(1,3514)	1:B:40:LEU:HB2	1:B:42:PHE:HB2	14	0.55
(1,3514)	1:B:60:LEU:HB2	1:B:39:PHE:HB3	14	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3513)	1:A:40:LEU:HB2	1:A:39:PHE:HB3	14	0.55
(1,3513)	1:A:40:LEU:HB2	1:A:42:PHE:HB2	14	0.55
(1,3513)	1:A:60:LEU:HB2	1:A:39:PHE:HB3	14	0.55
(1,3254)	1:B:62:ARG:H	1:B:61:ASP:HB2	16	0.55
(1,3024)	1:B:76:ASP:H	1:B:75:LEU:HB2	1	0.55
(1,3023)	1:A:76:ASP:H	1:A:75:LEU:HB2	1	0.55
(1,3023)	1:A:76:ASP:H	1:A:75:LEU:HB2	13	0.55
(1,2768)	1:B:80:PHE:H	1:B:75:LEU:HB2	10	0.55
(1,252)	1:B:76:ASP:HB2	1:B:77:PHE:HB2	2	0.55
(1,624)	1:B:34:LEU:HB2	1:B:38:GLU:HB2	12	0.54
(1,624)	1:B:34:LEU:HB2	1:B:38:GLU:HB2	17	0.54
(1,623)	1:A:34:LEU:HB2	1:A:38:GLU:HB2	12	0.54
(1,623)	1:A:34:LEU:HB2	1:A:38:GLU:HB2	17	0.54
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD22	15	0.54
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD21	15	0.54
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD23	15	0.54
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD12	15	0.54
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD11	15	0.54
(1,4370)	1:B:75:LEU:HB2	1:B:67:LEU:HD13	15	0.54
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD22	15	0.54
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD21	15	0.54
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD23	15	0.54
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD12	15	0.54
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD11	15	0.54
(1,4369)	1:A:75:LEU:HB2	1:A:67:LEU:HD13	15	0.54
(1,4272)	1:B:82:ASN:HA	1:B:83:LEU:HA	13	0.54
(1,4272)	1:B:82:ASN:HA	1:B:85:GLY:HA2	13	0.54
(1,4272)	1:B:82:ASN:HA	1:B:83:LEU:HA	18	0.54
(1,4272)	1:B:82:ASN:HA	1:B:85:GLY:HA2	18	0.54
(1,4271)	1:A:82:ASN:HA	1:A:83:LEU:HA	13	0.54
(1,4271)	1:A:82:ASN:HA	1:A:85:GLY:HA2	13	0.54
(1,4271)	1:A:82:ASN:HA	1:A:83:LEU:HA	18	0.54
(1,4271)	1:A:82:ASN:HA	1:A:85:GLY:HA2	18	0.54
(1,3838)	1:B:33:THR:HA	1:B:34:LEU:HG	9	0.54
(1,3838)	1:B:75:LEU:HB3	1:B:33:THR:HA	9	0.54
(1,3837)	1:A:33:THR:HA	1:A:34:LEU:HG	9	0.54
(1,3837)	1:A:75:LEU:HB3	1:A:33:THR:HA	9	0.54
(1,3567)	1:A:17:LEU:HG	1:B:89:MET:HG3	14	0.54
(1,3567)	1:A:17:LEU:HG	1:A:15:GLU:HG2	14	0.54
(1,3567)	1:A:17:LEU:HG	1:A:21:PHE:HB3	14	0.54
(1,3514)	1:B:40:LEU:HB2	1:B:39:PHE:HB3	5	0.54
(1,3514)	1:B:40:LEU:HB2	1:B:42:PHE:HB2	5	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3514)	1:B:60:LEU:HB2	1:B:39:PHE:HB3	5	0.54
(1,3513)	1:A:40:LEU:HB2	1:A:39:PHE:HB3	5	0.54
(1,3513)	1:A:40:LEU:HB2	1:A:42:PHE:HB2	5	0.54
(1,3513)	1:A:60:LEU:HB2	1:A:39:PHE:HB3	5	0.54
(1,3024)	1:B:76:ASP:H	1:B:75:LEU:HB2	13	0.54
(1,2776)	1:B:50:PHE:H	1:B:47:LEU:HB2	16	0.54
(1,2767)	1:A:80:PHE:H	1:A:75:LEU:HB2	10	0.54
(2,123)	1:A:44:ASN:HB2	1:A:48:ALA:H	8	0.53
(1,624)	1:B:34:LEU:HB2	1:B:38:GLU:HB2	11	0.53
(1,623)	1:A:34:LEU:HB2	1:A:38:GLU:HB2	11	0.53
(1,4840)	1:B:68:ASP:HB2	1:B:39:PHE:HB3	19	0.53
(1,4840)	1:B:68:ASP:HB2	1:B:72:ASP:HB2	19	0.53
(1,4840)	1:B:80:PHE:HB3	1:B:39:PHE:HB3	19	0.53
(1,4839)	1:A:68:ASP:HB2	1:A:39:PHE:HB3	19	0.53
(1,4839)	1:A:68:ASP:HB2	1:A:72:ASP:HB2	19	0.53
(1,4839)	1:A:80:PHE:HB3	1:A:39:PHE:HB3	19	0.53
(1,4818)	1:B:62:ARG:HB3	1:B:59:VAL:HA	9	0.53
(1,4818)	1:B:59:VAL:HA	1:B:62:ARG:HG2	9	0.53
(1,4817)	1:A:62:ARG:HB3	1:A:59:VAL:HA	9	0.53
(1,4817)	1:A:59:VAL:HA	1:A:62:ARG:HG2	9	0.53
(1,4733)	1:A:8:THR:HG21	1:B:46:GLU:HB2	17	0.53
(1,4733)	1:A:8:THR:HG22	1:B:46:GLU:HB2	17	0.53
(1,4733)	1:A:8:THR:HG23	1:B:46:GLU:HB2	17	0.53
(1,4733)	1:A:20:VAL:HG22	1:A:46:GLU:HB2	17	0.53
(1,4733)	1:A:20:VAL:HG21	1:A:46:GLU:HB2	17	0.53
(1,4733)	1:A:20:VAL:HG23	1:A:46:GLU:HB2	17	0.53
(1,4272)	1:B:82:ASN:HA	1:B:83:LEU:HA	11	0.53
(1,4272)	1:B:82:ASN:HA	1:B:85:GLY:HA2	11	0.53
(1,4271)	1:A:82:ASN:HA	1:A:83:LEU:HA	11	0.53
(1,4271)	1:A:82:ASN:HA	1:A:85:GLY:HA2	11	0.53
(1,4196)	1:B:52:LYS:HD2	1:B:53:ASN:HB3	2	0.53
(1,4196)	1:B:52:LYS:HD3	1:B:53:ASN:HB3	2	0.53
(1,4196)	1:B:52:LYS:HD2	1:B:44:ASN:HB3	2	0.53
(1,4196)	1:B:52:LYS:HD3	1:B:44:ASN:HB3	2	0.53
(1,4196)	1:B:52:LYS:HB2	1:B:53:ASN:HB3	2	0.53
(1,4196)	1:B:52:LYS:HB3	1:B:53:ASN:HB3	2	0.53
(1,4195)	1:A:52:LYS:HD2	1:A:53:ASN:HB3	2	0.53
(1,4195)	1:A:52:LYS:HD3	1:A:53:ASN:HB3	2	0.53
(1,4195)	1:A:52:LYS:HD2	1:A:44:ASN:HB3	2	0.53
(1,4195)	1:A:52:LYS:HD3	1:A:44:ASN:HB3	2	0.53
(1,4195)	1:A:52:LYS:HB2	1:A:53:ASN:HB3	2	0.53
(1,4195)	1:A:52:LYS:HB3	1:A:53:ASN:HB3	2	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4124)	1:B:67:LEU:HA	1:B:66:LYS:HE2	20	0.53
(1,4124)	1:B:67:LEU:HA	1:B:66:LYS:HE3	20	0.53
(1,4124)	1:B:67:LEU:HA	1:B:82:ASN:HB2	20	0.53
(1,4123)	1:A:67:LEU:HA	1:A:66:LYS:HE2	20	0.53
(1,4123)	1:A:67:LEU:HA	1:A:66:LYS:HE3	20	0.53
(1,4123)	1:A:67:LEU:HA	1:A:82:ASN:HB2	20	0.53
(1,412)	1:B:62:ARG:HD2	1:B:59:VAL:HG12	8	0.53
(1,412)	1:B:62:ARG:HD2	1:B:59:VAL:HG11	8	0.53
(1,412)	1:B:62:ARG:HD2	1:B:59:VAL:HG13	8	0.53
(1,411)	1:A:62:ARG:HD2	1:A:59:VAL:HG12	8	0.53
(1,411)	1:A:62:ARG:HD2	1:A:59:VAL:HG11	8	0.53
(1,411)	1:A:62:ARG:HD2	1:A:59:VAL:HG13	8	0.53
(1,3802)	1:B:40:LEU:HA	1:B:36:LYS:HE2	13	0.53
(1,3802)	1:B:40:LEU:HA	1:B:36:LYS:HE3	13	0.53
(1,3802)	1:B:21:PHE:HB2	1:B:22:GLN:HA	13	0.53
(1,3801)	1:A:40:LEU:HA	1:A:36:LYS:HE2	13	0.53
(1,3801)	1:A:40:LEU:HA	1:A:36:LYS:HE3	13	0.53
(1,3801)	1:A:21:PHE:HB2	1:A:22:GLN:HA	13	0.53
(1,3778)	1:B:57:PRO:HA	1:B:61:ASP:HB3	11	0.53
(1,3778)	1:B:57:PRO:HA	1:B:63:MET:HG3	11	0.53
(1,3777)	1:A:57:PRO:HA	1:A:61:ASP:HB3	11	0.53
(1,3777)	1:A:57:PRO:HA	1:A:63:MET:HG3	11	0.53
(1,319)	1:A:74:GLN:HB3	1:A:76:ASP:HB3	5	0.53
(1,3024)	1:B:76:ASP:H	1:B:75:LEU:HB2	2	0.53
(1,3023)	1:A:76:ASP:H	1:A:75:LEU:HB2	2	0.53
(1,2768)	1:B:80:PHE:H	1:B:75:LEU:HB2	15	0.53
(1,2767)	1:A:80:PHE:H	1:A:75:LEU:HB2	15	0.53
(1,1238)	1:B:62:ARG:HB3	1:B:59:VAL:HA	17	0.53
(1,1237)	1:A:62:ARG:HB3	1:A:59:VAL:HA	17	0.53
(2,16)	1:B:61:ASP:HB2	1:B:62:ARG:HD2	2	0.52
(2,15)	1:A:61:ASP:HB2	1:A:62:ARG:HD2	5	0.52
(2,124)	1:B:44:ASN:HB2	1:B:48:ALA:H	4	0.52
(2,123)	1:A:44:ASN:HB2	1:A:48:ALA:H	4	0.52
(1,5676)	1:B:61:ASP:H	1:B:60:LEU:HG	5	0.52
(1,5676)	1:B:61:ASP:H	1:B:62:ARG:HB3	5	0.52
(1,5676)	1:B:61:ASP:H	1:B:62:ARG:HG2	5	0.52
(1,5676)	1:B:61:ASP:H	1:B:60:LEU:HG	12	0.52
(1,5676)	1:B:61:ASP:H	1:B:62:ARG:HB3	12	0.52
(1,5676)	1:B:61:ASP:H	1:B:62:ARG:HG2	12	0.52
(1,5675)	1:A:61:ASP:H	1:A:60:LEU:HG	5	0.52
(1,5675)	1:A:61:ASP:H	1:A:62:ARG:HB3	5	0.52
(1,5675)	1:A:61:ASP:H	1:A:62:ARG:HG2	5	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5675)	1:A:61:ASP:H	1:A:60:LEU:HG	12	0.52
(1,5675)	1:A:61:ASP:H	1:A:62:ARG:HB3	12	0.52
(1,5675)	1:A:61:ASP:H	1:A:62:ARG:HG2	12	0.52
(1,4840)	1:B:68:ASP:HB2	1:B:39:PHE:HB3	6	0.52
(1,4840)	1:B:68:ASP:HB2	1:B:72:ASP:HB2	6	0.52
(1,4840)	1:B:80:PHE:HB3	1:B:39:PHE:HB3	6	0.52
(1,4734)	1:B:8:THR:HG21	1:A:46:GLU:HB2	17	0.52
(1,4734)	1:B:8:THR:HG22	1:A:46:GLU:HB2	17	0.52
(1,4734)	1:B:8:THR:HG23	1:A:46:GLU:HB2	17	0.52
(1,4734)	1:B:20:VAL:HG22	1:B:46:GLU:HB2	17	0.52
(1,4734)	1:B:20:VAL:HG21	1:B:46:GLU:HB2	17	0.52
(1,4734)	1:B:20:VAL:HG23	1:B:46:GLU:HB2	17	0.52
(1,4398)	1:B:13:CYS:HB2	1:A:17:LEU:HD12	2	0.52
(1,4398)	1:B:13:CYS:HB2	1:A:17:LEU:HD11	2	0.52
(1,4398)	1:B:13:CYS:HB2	1:A:17:LEU:HD13	2	0.52
(1,4398)	1:B:13:CYS:HB2	1:B:17:LEU:HD12	2	0.52
(1,4398)	1:B:13:CYS:HB2	1:B:17:LEU:HD11	2	0.52
(1,4398)	1:B:13:CYS:HB2	1:B:17:LEU:HD13	2	0.52
(1,4397)	1:A:13:CYS:HB2	1:B:17:LEU:HD12	2	0.52
(1,4397)	1:A:13:CYS:HB2	1:B:17:LEU:HD11	2	0.52
(1,4397)	1:A:13:CYS:HB2	1:B:17:LEU:HD13	2	0.52
(1,4397)	1:A:13:CYS:HB2	1:A:17:LEU:HD12	2	0.52
(1,4397)	1:A:13:CYS:HB2	1:A:17:LEU:HD11	2	0.52
(1,4397)	1:A:13:CYS:HB2	1:A:17:LEU:HD13	2	0.52
(1,4294)	1:B:27:LYS:HB3	1:B:28:ASP:HB3	10	0.52
(1,4294)	1:B:7:PRO:HB3	1:B:11:GLU:HG2	10	0.52
(1,4294)	1:B:23:LYS:HB2	1:B:24:TYR:HB3	10	0.52
(1,4293)	1:A:27:LYS:HB3	1:A:28:ASP:HB3	10	0.52
(1,4293)	1:A:7:PRO:HB3	1:A:11:GLU:HG2	10	0.52
(1,4293)	1:A:23:LYS:HB2	1:A:24:TYR:HB3	10	0.52
(1,4230)	1:B:11:GLU:HB2	1:B:13:CYS:HB3	2	0.52
(1,4230)	1:B:11:GLU:HB3	1:B:13:CYS:HB3	2	0.52
(1,4230)	1:B:12:ARG:HB2	1:B:13:CYS:HB3	2	0.52
(1,4230)	1:B:12:ARG:HB3	1:B:13:CYS:HB3	2	0.52
(1,4230)	1:B:14:ILE:HB	1:B:13:CYS:HB3	2	0.52
(1,4230)	1:B:91:CYS:HB2	1:A:14:ILE:HB	2	0.52
(1,4230)	1:B:91:CYS:HB3	1:A:14:ILE:HB	2	0.52
(1,4229)	1:A:11:GLU:HB2	1:A:13:CYS:HB3	2	0.52
(1,4229)	1:A:11:GLU:HB3	1:A:13:CYS:HB3	2	0.52
(1,4229)	1:A:12:ARG:HB2	1:A:13:CYS:HB3	2	0.52
(1,4229)	1:A:12:ARG:HB3	1:A:13:CYS:HB3	2	0.52
(1,4229)	1:A:14:ILE:HB	1:A:13:CYS:HB3	2	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4229)	1:A:91:CYS:HB2	1:B:14:ILE:HB	2	0.52
(1,4229)	1:A:91:CYS:HB3	1:B:14:ILE:HB	2	0.52
(1,4030)	1:B:73:GLY:HA3	1:B:36:LYS:HD2	14	0.52
(1,4030)	1:B:73:GLY:HA3	1:B:36:LYS:HD3	14	0.52
(1,4030)	1:B:73:GLY:HA3	1:B:74:GLN:HB3	14	0.52
(1,4029)	1:A:73:GLY:HA3	1:A:36:LYS:HD2	14	0.52
(1,4029)	1:A:73:GLY:HA3	1:A:36:LYS:HD3	14	0.52
(1,4029)	1:A:73:GLY:HA3	1:A:74:GLN:HB3	14	0.52
(1,4024)	1:B:83:LEU:HB3	1:B:66:LYS:HE2	12	0.52
(1,4024)	1:B:83:LEU:HB3	1:B:66:LYS:HE3	12	0.52
(1,4024)	1:B:83:LEU:HB3	1:B:82:ASN:HB2	12	0.52
(1,4023)	1:A:83:LEU:HB3	1:A:66:LYS:HE2	12	0.52
(1,4023)	1:A:83:LEU:HB3	1:A:66:LYS:HE3	12	0.52
(1,4023)	1:A:83:LEU:HB3	1:A:82:ASN:HB2	12	0.52
(1,3802)	1:B:40:LEU:HA	1:B:36:LYS:HE2	8	0.52
(1,3802)	1:B:40:LEU:HA	1:B:36:LYS:HE3	8	0.52
(1,3802)	1:B:21:PHE:HB2	1:B:22:GLN:HA	8	0.52
(1,3801)	1:A:40:LEU:HA	1:A:36:LYS:HE2	8	0.52
(1,3801)	1:A:40:LEU:HA	1:A:36:LYS:HE3	8	0.52
(1,3801)	1:A:21:PHE:HB2	1:A:22:GLN:HA	8	0.52
(1,3762)	1:B:58:GLY:HA3	1:B:60:LEU:HG	11	0.52
(1,3762)	1:B:58:GLY:HA3	1:B:62:ARG:HG2	11	0.52
(1,3761)	1:A:58:GLY:HA3	1:A:60:LEU:HG	11	0.52
(1,3761)	1:A:58:GLY:HA3	1:A:62:ARG:HG2	11	0.52
(1,3024)	1:B:76:ASP:H	1:B:75:LEU:HB2	3	0.52
(1,3024)	1:B:76:ASP:H	1:B:75:LEU:HB2	14	0.52
(1,3023)	1:A:76:ASP:H	1:A:75:LEU:HB2	3	0.52
(1,3023)	1:A:76:ASP:H	1:A:75:LEU:HB2	14	0.52
(1,2776)	1:B:50:PHE:H	1:B:47:LEU:HB2	10	0.52
(1,2775)	1:A:50:PHE:H	1:A:47:LEU:HB2	10	0.52
(1,210)	1:B:76:ASP:HA	1:B:34:LEU:HB3	3	0.52
(1,209)	1:A:76:ASP:HA	1:A:34:LEU:HB3	3	0.52
(1,1328)	1:B:34:LEU:HB2	1:B:39:PHE:HB3	19	0.52
(1,1327)	1:A:34:LEU:HB2	1:A:39:PHE:HB3	19	0.52
(2,16)	1:B:61:ASP:HB2	1:B:62:ARG:HD2	5	0.51
(2,15)	1:A:61:ASP:HB2	1:A:62:ARG:HD2	2	0.51
(1,4839)	1:A:68:ASP:HB2	1:A:39:PHE:HB3	6	0.51
(1,4839)	1:A:68:ASP:HB2	1:A:72:ASP:HB2	6	0.51
(1,4839)	1:A:80:PHE:HB3	1:A:39:PHE:HB3	6	0.51
(1,4272)	1:B:82:ASN:HA	1:B:83:LEU:HA	14	0.51
(1,4272)	1:B:82:ASN:HA	1:B:85:GLY:HA2	14	0.51
(1,4272)	1:B:82:ASN:HA	1:B:83:LEU:HA	16	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4272)	1:B:82:ASN:HA	1:B:85:GLY:HA2	16	0.51
(1,4272)	1:B:82:ASN:HA	1:B:83:LEU:HA	17	0.51
(1,4272)	1:B:82:ASN:HA	1:B:85:GLY:HA2	17	0.51
(1,4271)	1:A:82:ASN:HA	1:A:83:LEU:HA	14	0.51
(1,4271)	1:A:82:ASN:HA	1:A:85:GLY:HA2	14	0.51
(1,4271)	1:A:82:ASN:HA	1:A:83:LEU:HA	16	0.51
(1,4271)	1:A:82:ASN:HA	1:A:85:GLY:HA2	16	0.51
(1,4271)	1:A:82:ASN:HA	1:A:83:LEU:HA	17	0.51
(1,4271)	1:A:82:ASN:HA	1:A:85:GLY:HA2	17	0.51
(1,4106)	1:B:47:LEU:HB2	1:B:60:LEU:HB2	17	0.51
(1,4106)	1:B:47:LEU:HB2	1:A:7:PRO:HB3	17	0.51
(1,4106)	1:B:47:LEU:HB2	1:A:11:GLU:HB2	17	0.51
(1,4106)	1:B:47:LEU:HB2	1:A:11:GLU:HB3	17	0.51
(1,4106)	1:B:47:LEU:HB2	1:A:14:ILE:HB	17	0.51
(1,3938)	1:B:39:PHE:HB2	1:B:36:LYS:HG2	17	0.51
(1,3938)	1:B:39:PHE:HB2	1:B:36:LYS:HG3	17	0.51
(1,3938)	1:B:65:LYS:HG2	1:B:64:MET:HA	17	0.51
(1,3938)	1:B:65:LYS:HG3	1:B:64:MET:HA	17	0.51
(1,3937)	1:A:39:PHE:HB2	1:A:36:LYS:HG2	17	0.51
(1,3937)	1:A:39:PHE:HB2	1:A:36:LYS:HG3	17	0.51
(1,3937)	1:A:65:LYS:HG2	1:A:64:MET:HA	17	0.51
(1,3937)	1:A:65:LYS:HG3	1:A:64:MET:HA	17	0.51
(1,3838)	1:B:33:THR:HA	1:B:34:LEU:HG	7	0.51
(1,3838)	1:B:75:LEU:HB3	1:B:33:THR:HA	7	0.51
(1,3837)	1:A:33:THR:HA	1:A:34:LEU:HG	7	0.51
(1,3837)	1:A:75:LEU:HB3	1:A:33:THR:HA	7	0.51
(1,3762)	1:B:58:GLY:HA3	1:B:60:LEU:HG	7	0.51
(1,3762)	1:B:58:GLY:HA3	1:B:62:ARG:HG2	7	0.51
(1,3762)	1:B:58:GLY:HA3	1:B:60:LEU:HG	9	0.51
(1,3762)	1:B:58:GLY:HA3	1:B:62:ARG:HG2	9	0.51
(1,3761)	1:A:58:GLY:HA3	1:A:60:LEU:HG	7	0.51
(1,3761)	1:A:58:GLY:HA3	1:A:62:ARG:HG2	7	0.51
(1,3568)	1:B:17:LEU:HG	1:A:89:MET:HG3	17	0.51
(1,3568)	1:B:17:LEU:HG	1:B:15:GLU:HG2	17	0.51
(1,3568)	1:B:17:LEU:HG	1:B:21:PHE:HB3	17	0.51
(1,3567)	1:A:17:LEU:HG	1:B:89:MET:HG3	17	0.51
(1,3567)	1:A:17:LEU:HG	1:A:15:GLU:HG2	17	0.51
(1,3567)	1:A:17:LEU:HG	1:A:21:PHE:HB3	17	0.51
(1,3518)	1:B:51:THR:HB	1:B:44:ASN:HB2	4	0.51
(1,3518)	1:B:37:THR:HB	1:B:27:LYS:HE2	4	0.51
(1,3518)	1:B:37:THR:HB	1:B:27:LYS:HE3	4	0.51
(1,3517)	1:A:51:THR:HB	1:A:44:ASN:HB2	4	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3517)	1:A:37:THR:HB	1:A:27:LYS:HE2	4	0.51
(1,3517)	1:A:37:THR:HB	1:A:27:LYS:HE3	4	0.51
(1,3489)	1:A:13:CYS:HB2	1:A:81:LEU:HD22	8	0.51
(1,3489)	1:A:13:CYS:HB2	1:A:81:LEU:HD21	8	0.51
(1,3489)	1:A:13:CYS:HB2	1:A:81:LEU:HD23	8	0.51
(1,3489)	1:A:13:CYS:HB2	1:B:81:LEU:HD22	8	0.51
(1,3489)	1:A:13:CYS:HB2	1:B:81:LEU:HD21	8	0.51
(1,3489)	1:A:13:CYS:HB2	1:B:81:LEU:HD23	8	0.51
(1,3266)	1:B:27:LYS:H	1:B:27:LYS:HB3	1	0.51
(1,3265)	1:A:27:LYS:H	1:A:27:LYS:HB3	1	0.51
(1,320)	1:B:74:GLN:HB3	1:B:76:ASP:HB3	5	0.51
(1,210)	1:B:76:ASP:HA	1:B:34:LEU:HB3	14	0.51
(1,209)	1:A:76:ASP:HA	1:A:34:LEU:HB3	14	0.51
(2,124)	1:B:44:ASN:HB2	1:B:48:ALA:H	9	0.5
(2,123)	1:A:44:ASN:HB2	1:A:48:ALA:H	9	0.5
(1,5676)	1:B:61:ASP:H	1:B:60:LEU:HG	15	0.5
(1,5676)	1:B:61:ASP:H	1:B:62:ARG:HB3	15	0.5
(1,5676)	1:B:61:ASP:H	1:B:62:ARG:HG2	15	0.5
(1,5675)	1:A:61:ASP:H	1:A:60:LEU:HG	15	0.5
(1,5675)	1:A:61:ASP:H	1:A:62:ARG:HB3	15	0.5
(1,5675)	1:A:61:ASP:H	1:A:62:ARG:HG2	15	0.5
(1,5300)	1:B:26:GLY:H	1:B:23:LYS:HD2	20	0.5
(1,5300)	1:B:26:GLY:H	1:B:23:LYS:HD3	20	0.5
(1,5300)	1:B:26:GLY:H	1:B:34:LEU:HB3	20	0.5
(1,5299)	1:A:26:GLY:H	1:A:23:LYS:HD2	20	0.5
(1,5299)	1:A:26:GLY:H	1:A:23:LYS:HD3	20	0.5
(1,5299)	1:A:26:GLY:H	1:A:34:LEU:HB3	20	0.5
(1,5298)	1:B:26:GLY:H	1:B:23:LYS:HD2	20	0.5
(1,5298)	1:B:26:GLY:H	1:B:23:LYS:HD3	20	0.5
(1,5298)	1:B:26:GLY:H	1:B:34:LEU:HB3	20	0.5
(1,5297)	1:A:26:GLY:H	1:A:23:LYS:HD2	20	0.5
(1,5297)	1:A:26:GLY:H	1:A:23:LYS:HD3	20	0.5
(1,5297)	1:A:26:GLY:H	1:A:34:LEU:HB3	20	0.5
(1,4920)	1:B:52:LYS:HA	1:B:43:MET:HB2	19	0.5
(1,4920)	1:B:52:LYS:HA	1:B:43:MET:HB3	19	0.5
(1,4920)	1:B:52:LYS:HA	1:B:47:LEU:HB3	19	0.5
(1,4920)	1:B:71:SER:HA	1:B:36:LYS:HD2	19	0.5
(1,4920)	1:B:71:SER:HA	1:B:36:LYS:HD3	19	0.5
(1,4920)	1:B:71:SER:HA	1:B:67:LEU:HB2	19	0.5
(1,4920)	1:B:71:SER:HA	1:B:74:GLN:HB3	19	0.5
(1,4919)	1:A:52:LYS:HA	1:A:43:MET:HB2	19	0.5
(1,4919)	1:A:52:LYS:HA	1:A:43:MET:HB3	19	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4919)	1:A:52:LYS:HA	1:A:47:LEU:HB3	19	0.5
(1,4919)	1:A:71:SER:HA	1:A:36:LYS:HD2	19	0.5
(1,4919)	1:A:71:SER:HA	1:A:36:LYS:HD3	19	0.5
(1,4919)	1:A:71:SER:HA	1:A:67:LEU:HB2	19	0.5
(1,4919)	1:A:71:SER:HA	1:A:74:GLN:HB3	19	0.5
(1,4272)	1:B:82:ASN:HA	1:B:83:LEU:HA	6	0.5
(1,4272)	1:B:82:ASN:HA	1:B:85:GLY:HA2	6	0.5
(1,4272)	1:B:82:ASN:HA	1:B:83:LEU:HA	9	0.5
(1,4272)	1:B:82:ASN:HA	1:B:85:GLY:HA2	9	0.5
(1,4271)	1:A:82:ASN:HA	1:A:83:LEU:HA	6	0.5
(1,4271)	1:A:82:ASN:HA	1:A:85:GLY:HA2	6	0.5
(1,4271)	1:A:82:ASN:HA	1:A:83:LEU:HA	7	0.5
(1,4271)	1:A:82:ASN:HA	1:A:85:GLY:HA2	7	0.5
(1,4271)	1:A:82:ASN:HA	1:A:83:LEU:HA	9	0.5
(1,4271)	1:A:82:ASN:HA	1:A:85:GLY:HA2	9	0.5
(1,4024)	1:B:83:LEU:HB3	1:B:66:LYS:HE2	4	0.5
(1,4024)	1:B:83:LEU:HB3	1:B:66:LYS:HE3	4	0.5
(1,4024)	1:B:83:LEU:HB3	1:B:82:ASN:HB2	4	0.5
(1,4024)	1:B:83:LEU:HB3	1:B:66:LYS:HE2	10	0.5
(1,4024)	1:B:83:LEU:HB3	1:B:66:LYS:HE3	10	0.5
(1,4024)	1:B:83:LEU:HB3	1:B:82:ASN:HB2	10	0.5
(1,4023)	1:A:83:LEU:HB3	1:A:66:LYS:HE2	4	0.5
(1,4023)	1:A:83:LEU:HB3	1:A:66:LYS:HE3	4	0.5
(1,4023)	1:A:83:LEU:HB3	1:A:82:ASN:HB2	4	0.5
(1,4023)	1:A:83:LEU:HB3	1:A:66:LYS:HE2	10	0.5
(1,4023)	1:A:83:LEU:HB3	1:A:66:LYS:HE3	10	0.5
(1,4023)	1:A:83:LEU:HB3	1:A:82:ASN:HB2	10	0.5
(1,3938)	1:B:39:PHE:HB2	1:B:36:LYS:HG2	2	0.5
(1,3938)	1:B:39:PHE:HB2	1:B:36:LYS:HG3	2	0.5
(1,3938)	1:B:65:LYS:HG2	1:B:64:MET:HA	2	0.5
(1,3938)	1:B:65:LYS:HG3	1:B:64:MET:HA	2	0.5
(1,3937)	1:A:39:PHE:HB2	1:A:36:LYS:HG2	2	0.5
(1,3937)	1:A:39:PHE:HB2	1:A:36:LYS:HG3	2	0.5
(1,3937)	1:A:65:LYS:HG2	1:A:64:MET:HA	2	0.5
(1,3937)	1:A:65:LYS:HG3	1:A:64:MET:HA	2	0.5
(1,3802)	1:B:40:LEU:HA	1:B:36:LYS:HE2	9	0.5
(1,3802)	1:B:40:LEU:HA	1:B:36:LYS:HE3	9	0.5
(1,3802)	1:B:21:PHE:HB2	1:B:22:GLN:HA	9	0.5
(1,3802)	1:B:40:LEU:HA	1:B:36:LYS:HE2	18	0.5
(1,3802)	1:B:40:LEU:HA	1:B:36:LYS:HE3	18	0.5
(1,3802)	1:B:21:PHE:HB2	1:B:22:GLN:HA	18	0.5
(1,3801)	1:A:40:LEU:HA	1:A:36:LYS:HE2	9	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3801)	1:A:40:LEU:HA	1:A:36:LYS:HE3	9	0.5
(1,3801)	1:A:21:PHE:HB2	1:A:22:GLN:HA	9	0.5
(1,3801)	1:A:40:LEU:HA	1:A:36:LYS:HE2	18	0.5
(1,3801)	1:A:40:LEU:HA	1:A:36:LYS:HE3	18	0.5
(1,3801)	1:A:21:PHE:HB2	1:A:22:GLN:HA	18	0.5
(1,3778)	1:B:57:PRO:HA	1:B:61:ASP:HB3	14	0.5
(1,3778)	1:B:57:PRO:HA	1:B:63:MET:HG3	14	0.5
(1,3777)	1:A:57:PRO:HA	1:A:61:ASP:HB3	14	0.5
(1,3777)	1:A:57:PRO:HA	1:A:63:MET:HG3	14	0.5
(1,3761)	1:A:58:GLY:HA3	1:A:60:LEU:HG	9	0.5
(1,3761)	1:A:58:GLY:HA3	1:A:62:ARG:HG2	9	0.5
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD22	18	0.5
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD21	18	0.5
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD23	18	0.5
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD22	18	0.5
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD21	18	0.5
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD23	18	0.5
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD22	18	0.5
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD21	18	0.5
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD23	18	0.5
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD22	18	0.5
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD21	18	0.5
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD23	18	0.5
(1,3674)	1:B:75:LEU:HB3	1:B:21:PHE:HB3	16	0.5
(1,3674)	1:B:75:LEU:HB3	1:B:24:TYR:HB3	16	0.5
(1,3674)	1:B:75:LEU:HB3	1:B:42:PHE:HB3	16	0.5
(1,3674)	1:B:75:LEU:HB3	1:B:63:MET:HB2	16	0.5
(1,3673)	1:A:75:LEU:HB3	1:A:21:PHE:HB3	16	0.5
(1,3673)	1:A:75:LEU:HB3	1:A:24:TYR:HB3	16	0.5
(1,3673)	1:A:75:LEU:HB3	1:A:42:PHE:HB3	16	0.5
(1,3673)	1:A:75:LEU:HB3	1:A:63:MET:HB2	16	0.5
(1,3626)	1:B:34:LEU:HA	1:B:24:TYR:HB2	16	0.5
(1,3626)	1:B:34:LEU:HA	1:B:27:LYS:HE2	16	0.5
(1,3626)	1:B:34:LEU:HA	1:B:27:LYS:HE3	16	0.5
(1,3625)	1:A:34:LEU:HA	1:A:24:TYR:HB2	16	0.5
(1,3625)	1:A:34:LEU:HA	1:A:27:LYS:HE2	16	0.5
(1,3625)	1:A:34:LEU:HA	1:A:27:LYS:HE3	16	0.5
(1,3265)	1:A:27:LYS:H	1:A:27:LYS:HB3	3	0.5
(1,3024)	1:B:76:ASP:H	1:B:75:LEU:HB2	19	0.5
(1,3023)	1:A:76:ASP:H	1:A:75:LEU:HB2	19	0.5
(1,2776)	1:B:50:PHE:H	1:B:47:LEU:HB2	5	0.5
(1,2775)	1:A:50:PHE:H	1:A:47:LEU:HB2	5	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,210)	1:B:76:ASP:HA	1:B:34:LEU:HB3	2	0.5
(1,5676)	1:B:61:ASP:H	1:B:60:LEU:HG	11	0.49
(1,5676)	1:B:61:ASP:H	1:B:62:ARG:HB3	11	0.49
(1,5676)	1:B:61:ASP:H	1:B:62:ARG:HG2	11	0.49
(1,4920)	1:B:52:LYS:HA	1:B:43:MET:HB2	8	0.49
(1,4920)	1:B:52:LYS:HA	1:B:43:MET:HB3	8	0.49
(1,4920)	1:B:52:LYS:HA	1:B:47:LEU:HB3	8	0.49
(1,4920)	1:B:71:SER:HA	1:B:36:LYS:HD2	8	0.49
(1,4920)	1:B:71:SER:HA	1:B:36:LYS:HD3	8	0.49
(1,4920)	1:B:71:SER:HA	1:B:67:LEU:HB2	8	0.49
(1,4920)	1:B:71:SER:HA	1:B:74:GLN:HB3	8	0.49
(1,4920)	1:B:52:LYS:HA	1:B:43:MET:HB2	20	0.49
(1,4920)	1:B:52:LYS:HA	1:B:43:MET:HB3	20	0.49
(1,4920)	1:B:52:LYS:HA	1:B:47:LEU:HB3	20	0.49
(1,4920)	1:B:71:SER:HA	1:B:36:LYS:HD2	20	0.49
(1,4920)	1:B:71:SER:HA	1:B:36:LYS:HD3	20	0.49
(1,4920)	1:B:71:SER:HA	1:B:67:LEU:HB2	20	0.49
(1,4920)	1:B:71:SER:HA	1:B:74:GLN:HB3	20	0.49
(1,4919)	1:A:52:LYS:HA	1:A:43:MET:HB2	8	0.49
(1,4919)	1:A:52:LYS:HA	1:A:43:MET:HB3	8	0.49
(1,4919)	1:A:52:LYS:HA	1:A:47:LEU:HB3	8	0.49
(1,4919)	1:A:71:SER:HA	1:A:36:LYS:HD2	8	0.49
(1,4919)	1:A:71:SER:HA	1:A:36:LYS:HD3	8	0.49
(1,4919)	1:A:71:SER:HA	1:A:67:LEU:HB2	8	0.49
(1,4919)	1:A:71:SER:HA	1:A:74:GLN:HB3	8	0.49
(1,4919)	1:A:52:LYS:HA	1:A:43:MET:HB2	20	0.49
(1,4919)	1:A:52:LYS:HA	1:A:43:MET:HB3	20	0.49
(1,4919)	1:A:52:LYS:HA	1:A:47:LEU:HB3	20	0.49
(1,4919)	1:A:71:SER:HA	1:A:36:LYS:HD2	20	0.49
(1,4919)	1:A:71:SER:HA	1:A:36:LYS:HD3	20	0.49
(1,4919)	1:A:71:SER:HA	1:A:67:LEU:HB2	20	0.49
(1,4919)	1:A:71:SER:HA	1:A:74:GLN:HB3	20	0.49
(1,4840)	1:B:68:ASP:HB2	1:B:39:PHE:HB3	4	0.49
(1,4840)	1:B:68:ASP:HB2	1:B:72:ASP:HB2	4	0.49
(1,4840)	1:B:80:PHE:HB3	1:B:39:PHE:HB3	4	0.49
(1,4840)	1:B:68:ASP:HB2	1:B:39:PHE:HB3	7	0.49
(1,4840)	1:B:68:ASP:HB2	1:B:72:ASP:HB2	7	0.49
(1,4840)	1:B:80:PHE:HB3	1:B:39:PHE:HB3	7	0.49
(1,4839)	1:A:68:ASP:HB2	1:A:39:PHE:HB3	4	0.49
(1,4839)	1:A:68:ASP:HB2	1:A:72:ASP:HB2	4	0.49
(1,4839)	1:A:80:PHE:HB3	1:A:39:PHE:HB3	4	0.49
(1,4839)	1:A:68:ASP:HB2	1:A:39:PHE:HB3	7	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4839)	1:A:68:ASP:HB2	1:A:72:ASP:HB2	7	0.49
(1,4839)	1:A:80:PHE:HB3	1:A:39:PHE:HB3	7	0.49
(1,4818)	1:B:62:ARG:HB3	1:B:59:VAL:HA	20	0.49
(1,4818)	1:B:59:VAL:HA	1:B:62:ARG:HG2	20	0.49
(1,4817)	1:A:62:ARG:HB3	1:A:59:VAL:HA	20	0.49
(1,4817)	1:A:59:VAL:HA	1:A:62:ARG:HG2	20	0.49
(1,4272)	1:B:82:ASN:HA	1:B:83:LEU:HA	4	0.49
(1,4272)	1:B:82:ASN:HA	1:B:85:GLY:HA2	4	0.49
(1,4272)	1:B:82:ASN:HA	1:B:83:LEU:HA	7	0.49
(1,4272)	1:B:82:ASN:HA	1:B:85:GLY:HA2	7	0.49
(1,4271)	1:A:82:ASN:HA	1:A:83:LEU:HA	4	0.49
(1,4271)	1:A:82:ASN:HA	1:A:85:GLY:HA2	4	0.49
(1,4105)	1:A:47:LEU:HB2	1:A:60:LEU:HB2	17	0.49
(1,4105)	1:A:47:LEU:HB2	1:B:7:PRO:HB3	17	0.49
(1,4105)	1:A:47:LEU:HB2	1:B:11:GLU:HB2	17	0.49
(1,4105)	1:A:47:LEU:HB2	1:B:11:GLU:HB3	17	0.49
(1,4105)	1:A:47:LEU:HB2	1:B:14:ILE:HB	17	0.49
(1,4104)	1:B:42:PHE:HA	1:B:20:VAL:HB	17	0.49
(1,4104)	1:B:42:PHE:HA	1:B:38:GLU:HB2	17	0.49
(1,4103)	1:A:42:PHE:HA	1:A:20:VAL:HB	17	0.49
(1,4103)	1:A:42:PHE:HA	1:A:38:GLU:HB2	17	0.49
(1,3938)	1:B:39:PHE:HB2	1:B:36:LYS:HG2	1	0.49
(1,3938)	1:B:39:PHE:HB2	1:B:36:LYS:HG3	1	0.49
(1,3938)	1:B:65:LYS:HG2	1:B:64:MET:HA	1	0.49
(1,3938)	1:B:65:LYS:HG3	1:B:64:MET:HA	1	0.49
(1,3937)	1:A:39:PHE:HB2	1:A:36:LYS:HG2	1	0.49
(1,3937)	1:A:39:PHE:HB2	1:A:36:LYS:HG3	1	0.49
(1,3937)	1:A:65:LYS:HG2	1:A:64:MET:HA	1	0.49
(1,3937)	1:A:65:LYS:HG3	1:A:64:MET:HA	1	0.49
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD22	10	0.49
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD21	10	0.49
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD23	10	0.49
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD22	10	0.49
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD21	10	0.49
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD23	10	0.49
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD22	10	0.49
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD21	10	0.49
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD23	10	0.49
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD22	10	0.49
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD21	10	0.49
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD23	10	0.49
(1,3702)	1:B:27:LYS:HD2	1:B:28:ASP:HB3	14	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3702)	1:B:27:LYS:HD3	1:B:28:ASP:HB3	14	0.49
(1,3702)	1:B:27:LYS:HD2	1:B:42:PHE:HB3	14	0.49
(1,3702)	1:B:27:LYS:HD3	1:B:42:PHE:HB3	14	0.49
(1,3702)	1:B:52:LYS:HD2	1:B:44:ASN:HB3	14	0.49
(1,3702)	1:B:52:LYS:HD3	1:B:44:ASN:HB3	14	0.49
(1,3702)	1:B:97:LYS:HD2	1:B:93:ASP:HB3	14	0.49
(1,3702)	1:B:97:LYS:HD3	1:B:93:ASP:HB3	14	0.49
(1,3701)	1:A:27:LYS:HD2	1:A:28:ASP:HB3	14	0.49
(1,3701)	1:A:27:LYS:HD3	1:A:28:ASP:HB3	14	0.49
(1,3701)	1:A:27:LYS:HD2	1:A:42:PHE:HB3	14	0.49
(1,3701)	1:A:27:LYS:HD3	1:A:42:PHE:HB3	14	0.49
(1,3701)	1:A:52:LYS:HD2	1:A:44:ASN:HB3	14	0.49
(1,3701)	1:A:52:LYS:HD3	1:A:44:ASN:HB3	14	0.49
(1,3701)	1:A:97:LYS:HD2	1:A:93:ASP:HB3	14	0.49
(1,3701)	1:A:97:LYS:HD3	1:A:93:ASP:HB3	14	0.49
(1,3626)	1:B:34:LEU:HA	1:B:24:TYR:HB2	6	0.49
(1,3626)	1:B:34:LEU:HA	1:B:27:LYS:HE2	6	0.49
(1,3626)	1:B:34:LEU:HA	1:B:27:LYS:HE3	6	0.49
(1,3514)	1:B:40:LEU:HB2	1:B:39:PHE:HB3	15	0.49
(1,3514)	1:B:40:LEU:HB2	1:B:42:PHE:HB2	15	0.49
(1,3514)	1:B:60:LEU:HB2	1:B:39:PHE:HB3	15	0.49
(1,3513)	1:A:40:LEU:HB2	1:A:39:PHE:HB3	15	0.49
(1,3513)	1:A:40:LEU:HB2	1:A:42:PHE:HB2	15	0.49
(1,3513)	1:A:60:LEU:HB2	1:A:39:PHE:HB3	15	0.49
(1,3490)	1:B:13:CYS:HB2	1:B:81:LEU:HD22	8	0.49
(1,3490)	1:B:13:CYS:HB2	1:B:81:LEU:HD21	8	0.49
(1,3490)	1:B:13:CYS:HB2	1:B:81:LEU:HD23	8	0.49
(1,3490)	1:B:13:CYS:HB2	1:A:81:LEU:HD22	8	0.49
(1,3490)	1:B:13:CYS:HB2	1:A:81:LEU:HD21	8	0.49
(1,3490)	1:B:13:CYS:HB2	1:A:81:LEU:HD23	8	0.49
(1,3266)	1:B:27:LYS:H	1:B:27:LYS:HB3	2	0.49
(1,3266)	1:B:27:LYS:H	1:B:27:LYS:HB3	3	0.49
(1,3266)	1:B:27:LYS:H	1:B:27:LYS:HB3	12	0.49
(1,3266)	1:B:27:LYS:H	1:B:27:LYS:HB3	19	0.49
(1,3265)	1:A:27:LYS:H	1:A:27:LYS:HB3	2	0.49
(1,3265)	1:A:27:LYS:H	1:A:27:LYS:HB3	12	0.49
(1,3254)	1:B:62:ARG:H	1:B:61:ASP:HB2	13	0.49
(1,3254)	1:B:62:ARG:H	1:B:61:ASP:HB2	20	0.49
(1,3253)	1:A:62:ARG:H	1:A:61:ASP:HB2	13	0.49
(1,3253)	1:A:62:ARG:H	1:A:61:ASP:HB2	20	0.49
(1,3024)	1:B:76:ASP:H	1:B:75:LEU:HB2	10	0.49
(1,3024)	1:B:76:ASP:H	1:B:75:LEU:HB2	15	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3023)	1:A:76:ASP:H	1:A:75:LEU:HB2	10	0.49
(1,3023)	1:A:76:ASP:H	1:A:75:LEU:HB2	15	0.49
(1,2776)	1:B:50:PHE:H	1:B:47:LEU:HB2	20	0.49
(1,2775)	1:A:50:PHE:H	1:A:47:LEU:HB2	20	0.49
(1,210)	1:B:76:ASP:HA	1:B:34:LEU:HB3	7	0.49
(1,209)	1:A:76:ASP:HA	1:A:34:LEU:HB3	2	0.49
(1,209)	1:A:76:ASP:HA	1:A:34:LEU:HB3	7	0.49
(1,1918)	1:B:94:SER:H	1:B:93:ASP:HB2	4	0.49
(2,180)	1:B:13:CYS:H	1:B:11:GLU:HG2	18	0.48
(2,179)	1:A:13:CYS:H	1:A:11:GLU:HG2	18	0.48
(2,16)	1:B:61:ASP:HB2	1:B:62:ARG:HD2	6	0.48
(1,884)	1:B:34:LEU:HB3	1:B:80:PHE:HB2	11	0.48
(1,883)	1:A:34:LEU:HB3	1:A:80:PHE:HB2	11	0.48
(1,692)	1:B:15:GLU:HG2	1:B:16:SER:H	9	0.48
(1,5675)	1:A:61:ASP:H	1:A:60:LEU:HG	11	0.48
(1,5675)	1:A:61:ASP:H	1:A:62:ARG:HB3	11	0.48
(1,5675)	1:A:61:ASP:H	1:A:62:ARG:HG2	11	0.48
(1,4272)	1:B:82:ASN:HA	1:B:83:LEU:HA	2	0.48
(1,4272)	1:B:82:ASN:HA	1:B:85:GLY:HA2	2	0.48
(1,4271)	1:A:82:ASN:HA	1:A:83:LEU:HA	2	0.48
(1,4271)	1:A:82:ASN:HA	1:A:85:GLY:HA2	2	0.48
(1,4271)	1:A:82:ASN:HA	1:A:83:LEU:HA	12	0.48
(1,4271)	1:A:82:ASN:HA	1:A:85:GLY:HA2	12	0.48
(1,4106)	1:B:47:LEU:HB2	1:B:60:LEU:HB2	20	0.48
(1,4106)	1:B:47:LEU:HB2	1:A:7:PRO:HB3	20	0.48
(1,4106)	1:B:47:LEU:HB2	1:A:11:GLU:HB2	20	0.48
(1,4106)	1:B:47:LEU:HB2	1:A:11:GLU:HB3	20	0.48
(1,4106)	1:B:47:LEU:HB2	1:A:14:ILE:HB	20	0.48
(1,4105)	1:A:47:LEU:HB2	1:A:60:LEU:HB2	20	0.48
(1,4105)	1:A:47:LEU:HB2	1:B:7:PRO:HB3	20	0.48
(1,4105)	1:A:47:LEU:HB2	1:B:11:GLU:HB2	20	0.48
(1,4105)	1:A:47:LEU:HB2	1:B:11:GLU:HB3	20	0.48
(1,4105)	1:A:47:LEU:HB2	1:B:14:ILE:HB	20	0.48
(1,382)	1:B:11:GLU:HG2	1:B:10:THR:H	18	0.48
(1,381)	1:A:11:GLU:HG2	1:A:10:THR:H	18	0.48
(1,3762)	1:B:58:GLY:HA3	1:B:60:LEU:HG	1	0.48
(1,3762)	1:B:58:GLY:HA3	1:B:62:ARG:HG2	1	0.48
(1,3761)	1:A:58:GLY:HA3	1:A:60:LEU:HG	1	0.48
(1,3761)	1:A:58:GLY:HA3	1:A:62:ARG:HG2	1	0.48
(1,3625)	1:A:34:LEU:HA	1:A:24:TYR:HB2	6	0.48
(1,3625)	1:A:34:LEU:HA	1:A:27:LYS:HE2	6	0.48
(1,3625)	1:A:34:LEU:HA	1:A:27:LYS:HE3	6	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3538)	1:B:39:PHE:HB3	1:B:34:LEU:HA	1	0.48
(1,3538)	1:B:34:LEU:HA	1:B:80:PHE:HB2	1	0.48
(1,3537)	1:A:39:PHE:HB3	1:A:34:LEU:HA	1	0.48
(1,3537)	1:A:34:LEU:HA	1:A:80:PHE:HB2	1	0.48
(1,3514)	1:B:40:LEU:HB2	1:B:39:PHE:HB3	16	0.48
(1,3514)	1:B:40:LEU:HB2	1:B:42:PHE:HB2	16	0.48
(1,3514)	1:B:60:LEU:HB2	1:B:39:PHE:HB3	16	0.48
(1,3513)	1:A:40:LEU:HB2	1:A:39:PHE:HB3	16	0.48
(1,3513)	1:A:40:LEU:HB2	1:A:42:PHE:HB2	16	0.48
(1,3513)	1:A:60:LEU:HB2	1:A:39:PHE:HB3	16	0.48
(1,3266)	1:B:27:LYS:H	1:B:27:LYS:HB3	9	0.48
(1,3266)	1:B:27:LYS:H	1:B:27:LYS:HB3	10	0.48
(1,3266)	1:B:27:LYS:H	1:B:27:LYS:HB3	13	0.48
(1,3266)	1:B:27:LYS:H	1:B:27:LYS:HB3	20	0.48
(1,3265)	1:A:27:LYS:H	1:A:27:LYS:HB3	9	0.48
(1,3265)	1:A:27:LYS:H	1:A:27:LYS:HB3	10	0.48
(1,3265)	1:A:27:LYS:H	1:A:27:LYS:HB3	13	0.48
(1,3265)	1:A:27:LYS:H	1:A:27:LYS:HB3	19	0.48
(1,3265)	1:A:27:LYS:H	1:A:27:LYS:HB3	20	0.48
(1,2776)	1:B:50:PHE:H	1:B:47:LEU:HB2	2	0.48
(1,2775)	1:A:50:PHE:H	1:A:47:LEU:HB2	2	0.48
(1,1918)	1:B:94:SER:H	1:B:93:ASP:HB2	14	0.48
(1,1917)	1:A:94:SER:H	1:A:93:ASP:HB2	4	0.48
(1,1917)	1:A:94:SER:H	1:A:93:ASP:HB2	8	0.48
(1,1917)	1:A:94:SER:H	1:A:93:ASP:HB2	14	0.48
(1,1608)	1:B:47:LEU:HB2	1:B:50:PHE:HB2	10	0.48
(1,1608)	1:B:47:LEU:HB2	1:B:50:PHE:HB3	10	0.48
(1,1607)	1:A:47:LEU:HB2	1:A:50:PHE:HB2	10	0.48
(1,1607)	1:A:47:LEU:HB2	1:A:50:PHE:HB3	10	0.48
(1,146)	1:B:78:SER:HB2	1:B:81:LEU:HB3	10	0.48
(1,146)	1:B:78:SER:HB3	1:B:81:LEU:HB3	10	0.48
(1,145)	1:A:78:SER:HB2	1:A:81:LEU:HB3	10	0.48
(1,145)	1:A:78:SER:HB3	1:A:81:LEU:HB3	10	0.48
(1,1238)	1:B:62:ARG:HB3	1:B:59:VAL:HA	3	0.48
(1,1237)	1:A:62:ARG:HB3	1:A:59:VAL:HA	3	0.48
(2,8)	1:B:89:MET:HG3	1:A:77:PHE:HB3	13	0.47
(2,7)	1:A:89:MET:HG3	1:B:77:PHE:HB3	13	0.47
(2,7)	1:A:89:MET:HG3	1:B:77:PHE:HB3	19	0.47
(2,15)	1:A:61:ASP:HB2	1:A:62:ARG:HD2	6	0.47
(1,691)	1:A:15:GLU:HG2	1:A:16:SER:H	9	0.47
(1,5676)	1:B:61:ASP:H	1:B:60:LEU:HG	10	0.47
(1,5676)	1:B:61:ASP:H	1:B:62:ARG:HB3	10	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5676)	1:B:61:ASP:H	1:B:62:ARG:HG2	10	0.47
(1,5675)	1:A:61:ASP:H	1:A:60:LEU:HG	10	0.47
(1,5675)	1:A:61:ASP:H	1:A:62:ARG:HB3	10	0.47
(1,5675)	1:A:61:ASP:H	1:A:62:ARG:HG2	10	0.47
(1,5216)	1:B:34:LEU:H	1:B:21:PHE:HB3	18	0.47
(1,5216)	1:B:34:LEU:H	1:B:22:GLN:HG2	18	0.47
(1,5216)	1:B:34:LEU:H	1:B:22:GLN:HG3	18	0.47
(1,5216)	1:B:34:LEU:H	1:B:64:MET:HG2	18	0.47
(1,5216)	1:B:34:LEU:H	1:B:64:MET:HG3	18	0.47
(1,5216)	1:B:34:LEU:H	1:B:77:PHE:HB2	18	0.47
(1,5215)	1:A:34:LEU:H	1:A:21:PHE:HB3	18	0.47
(1,5215)	1:A:34:LEU:H	1:A:22:GLN:HG2	18	0.47
(1,5215)	1:A:34:LEU:H	1:A:22:GLN:HG3	18	0.47
(1,5215)	1:A:34:LEU:H	1:A:64:MET:HG2	18	0.47
(1,5215)	1:A:34:LEU:H	1:A:64:MET:HG3	18	0.47
(1,5215)	1:A:34:LEU:H	1:A:77:PHE:HB2	18	0.47
(1,4618)	1:B:68:ASP:HA	1:B:74:GLN:HB3	11	0.47
(1,4618)	1:B:74:GLN:HB3	1:B:72:ASP:HA	11	0.47
(1,4618)	1:B:68:ASP:HA	1:B:74:GLN:HB3	12	0.47
(1,4618)	1:B:74:GLN:HB3	1:B:72:ASP:HA	12	0.47
(1,4617)	1:A:68:ASP:HA	1:A:74:GLN:HB3	11	0.47
(1,4617)	1:A:74:GLN:HB3	1:A:72:ASP:HA	11	0.47
(1,4617)	1:A:68:ASP:HA	1:A:74:GLN:HB3	12	0.47
(1,4617)	1:A:74:GLN:HB3	1:A:72:ASP:HA	12	0.47
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD22	6	0.47
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD21	6	0.47
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD23	6	0.47
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD22	6	0.47
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD21	6	0.47
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD23	6	0.47
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD22	6	0.47
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD21	6	0.47
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD23	6	0.47
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD22	6	0.47
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD21	6	0.47
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD23	6	0.47
(1,4272)	1:B:82:ASN:HA	1:B:83:LEU:HA	12	0.47
(1,4272)	1:B:82:ASN:HA	1:B:85:GLY:HA2	12	0.47
(1,4096)	1:B:17:LEU:HD12	1:B:11:GLU:HG2	10	0.47
(1,4096)	1:B:17:LEU:HD11	1:B:11:GLU:HG2	10	0.47
(1,4096)	1:B:17:LEU:HD13	1:B:11:GLU:HG2	10	0.47
(1,4096)	1:B:17:LEU:HD12	1:B:89:MET:HG3	10	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4096)	1:B:17:LEU:HD11	1:B:89:MET:HG3	10	0.47
(1,4096)	1:B:17:LEU:HD13	1:B:89:MET:HG3	10	0.47
(1,4096)	1:B:17:LEU:HD12	1:A:11:GLU:HG2	10	0.47
(1,4096)	1:B:17:LEU:HD11	1:A:11:GLU:HG2	10	0.47
(1,4096)	1:B:17:LEU:HD13	1:A:11:GLU:HG2	10	0.47
(1,4096)	1:B:17:LEU:HD12	1:A:89:MET:HG3	10	0.47
(1,4096)	1:B:17:LEU:HD11	1:A:89:MET:HG3	10	0.47
(1,4096)	1:B:17:LEU:HD13	1:A:89:MET:HG3	10	0.47
(1,4095)	1:A:17:LEU:HD12	1:A:11:GLU:HG2	10	0.47
(1,4095)	1:A:17:LEU:HD11	1:A:11:GLU:HG2	10	0.47
(1,4095)	1:A:17:LEU:HD13	1:A:11:GLU:HG2	10	0.47
(1,4095)	1:A:17:LEU:HD12	1:A:89:MET:HG3	10	0.47
(1,4095)	1:A:17:LEU:HD11	1:A:89:MET:HG3	10	0.47
(1,4095)	1:A:17:LEU:HD13	1:A:89:MET:HG3	10	0.47
(1,4095)	1:A:17:LEU:HD12	1:B:11:GLU:HG2	10	0.47
(1,4095)	1:A:17:LEU:HD11	1:B:11:GLU:HG2	10	0.47
(1,4095)	1:A:17:LEU:HD13	1:B:11:GLU:HG2	10	0.47
(1,4095)	1:A:17:LEU:HD12	1:B:89:MET:HG3	10	0.47
(1,4095)	1:A:17:LEU:HD11	1:B:89:MET:HG3	10	0.47
(1,4095)	1:A:17:LEU:HD13	1:B:89:MET:HG3	10	0.47
(1,4048)	1:B:52:LYS:HB2	1:B:53:ASN:HB3	20	0.47
(1,4048)	1:B:52:LYS:HB3	1:B:53:ASN:HB3	20	0.47
(1,4048)	1:B:74:GLN:HB2	1:B:76:ASP:HB3	20	0.47
(1,4047)	1:A:52:LYS:HB2	1:A:53:ASN:HB3	20	0.47
(1,4047)	1:A:52:LYS:HB3	1:A:53:ASN:HB3	20	0.47
(1,4047)	1:A:74:GLN:HB2	1:A:76:ASP:HB3	20	0.47
(1,4030)	1:B:73:GLY:HA3	1:B:36:LYS:HD2	16	0.47
(1,4030)	1:B:73:GLY:HA3	1:B:36:LYS:HD3	16	0.47
(1,4030)	1:B:73:GLY:HA3	1:B:74:GLN:HB3	16	0.47
(1,4029)	1:A:73:GLY:HA3	1:A:36:LYS:HD2	5	0.47
(1,4029)	1:A:73:GLY:HA3	1:A:36:LYS:HD3	5	0.47
(1,4029)	1:A:73:GLY:HA3	1:A:74:GLN:HB3	5	0.47
(1,4029)	1:A:73:GLY:HA3	1:A:36:LYS:HD2	16	0.47
(1,4029)	1:A:73:GLY:HA3	1:A:36:LYS:HD3	16	0.47
(1,4029)	1:A:73:GLY:HA3	1:A:74:GLN:HB3	16	0.47
(1,3937)	1:A:39:PHE:HB2	1:A:36:LYS:HG2	3	0.47
(1,3937)	1:A:39:PHE:HB2	1:A:36:LYS:HG3	3	0.47
(1,3937)	1:A:65:LYS:HG2	1:A:64:MET:HA	3	0.47
(1,3937)	1:A:65:LYS:HG3	1:A:64:MET:HA	3	0.47
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD12	1	0.47
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD11	1	0.47
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD13	1	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD12	1	0.47
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD11	1	0.47
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD13	1	0.47
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD12	1	0.47
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD11	1	0.47
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD13	1	0.47
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD12	1	0.47
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD11	1	0.47
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD13	1	0.47
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD12	1	0.47
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD11	1	0.47
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD13	1	0.47
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD12	1	0.47
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD11	1	0.47
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD13	1	0.47
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD22	1	0.47
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD21	1	0.47
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD23	1	0.47
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD12	1	0.47
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD11	1	0.47
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD13	1	0.47
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD12	1	0.47
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD11	1	0.47
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD13	1	0.47
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD12	1	0.47
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD11	1	0.47
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD13	1	0.47
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD12	1	0.47
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD11	1	0.47
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD13	1	0.47
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD12	1	0.47
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD11	1	0.47
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD13	1	0.47
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD12	1	0.47
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD11	1	0.47
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD13	1	0.47
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD22	1	0.47
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD21	1	0.47
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD23	1	0.47
(1,3838)	1:B:33:THR:HA	1:B:34:LEU:HG	2	0.47
(1,3838)	1:B:75:LEU:HB3	1:B:33:THR:HA	2	0.47
(1,3837)	1:A:33:THR:HA	1:A:34:LEU:HG	2	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3837)	1:A:75:LEU:HB3	1:A:33:THR:HA	2	0.47
(1,3762)	1:B:58:GLY:HA3	1:B:60:LEU:HG	14	0.47
(1,3762)	1:B:58:GLY:HA3	1:B:62:ARG:HG2	14	0.47
(1,3761)	1:A:58:GLY:HA3	1:A:60:LEU:HG	14	0.47
(1,3761)	1:A:58:GLY:HA3	1:A:62:ARG:HG2	14	0.47
(1,356)	1:B:60:LEU:HB2	1:B:61:ASP:HB3	12	0.47
(1,355)	1:A:60:LEU:HB2	1:A:61:ASP:HB3	12	0.47
(1,3266)	1:B:27:LYS:H	1:B:27:LYS:HB3	11	0.47
(1,3266)	1:B:27:LYS:H	1:B:27:LYS:HB3	16	0.47
(1,3265)	1:A:27:LYS:H	1:A:27:LYS:HB3	11	0.47
(1,3265)	1:A:27:LYS:H	1:A:27:LYS:HB3	16	0.47
(1,3254)	1:B:62:ARG:H	1:B:61:ASP:HB2	7	0.47
(1,3254)	1:B:62:ARG:H	1:B:61:ASP:HB2	17	0.47
(1,3253)	1:A:62:ARG:H	1:A:61:ASP:HB2	7	0.47
(1,2776)	1:B:50:PHE:H	1:B:47:LEU:HB2	13	0.47
(1,2776)	1:B:50:PHE:H	1:B:47:LEU:HB2	18	0.47
(1,2775)	1:A:50:PHE:H	1:A:47:LEU:HB2	8	0.47
(1,2775)	1:A:50:PHE:H	1:A:47:LEU:HB2	18	0.47
(1,1918)	1:B:94:SER:H	1:B:93:ASP:HB2	8	0.47
(1,1918)	1:B:94:SER:H	1:B:93:ASP:HB2	12	0.47
(1,1917)	1:A:94:SER:H	1:A:93:ASP:HB2	12	0.47
(2,8)	1:B:89:MET:HG3	1:A:77:PHE:HB3	19	0.46
(1,5676)	1:B:61:ASP:H	1:B:60:LEU:HG	9	0.46
(1,5676)	1:B:61:ASP:H	1:B:62:ARG:HB3	9	0.46
(1,5676)	1:B:61:ASP:H	1:B:62:ARG:HG2	9	0.46
(1,5676)	1:B:61:ASP:H	1:B:60:LEU:HG	14	0.46
(1,5676)	1:B:61:ASP:H	1:B:62:ARG:HB3	14	0.46
(1,5676)	1:B:61:ASP:H	1:B:62:ARG:HG2	14	0.46
(1,5676)	1:B:61:ASP:H	1:B:60:LEU:HG	16	0.46
(1,5676)	1:B:61:ASP:H	1:B:62:ARG:HB3	16	0.46
(1,5676)	1:B:61:ASP:H	1:B:62:ARG:HG2	16	0.46
(1,5675)	1:A:61:ASP:H	1:A:60:LEU:HG	9	0.46
(1,5675)	1:A:61:ASP:H	1:A:62:ARG:HB3	9	0.46
(1,5675)	1:A:61:ASP:H	1:A:62:ARG:HG2	9	0.46
(1,5675)	1:A:61:ASP:H	1:A:60:LEU:HG	14	0.46
(1,5675)	1:A:61:ASP:H	1:A:62:ARG:HB3	14	0.46
(1,5675)	1:A:61:ASP:H	1:A:62:ARG:HG2	14	0.46
(1,5675)	1:A:61:ASP:H	1:A:60:LEU:HG	16	0.46
(1,5675)	1:A:61:ASP:H	1:A:62:ARG:HB3	16	0.46
(1,5675)	1:A:61:ASP:H	1:A:62:ARG:HG2	16	0.46
(1,4858)	1:B:23:LYS:HB2	1:B:23:LYS:HE2	15	0.46
(1,4858)	1:B:23:LYS:HB2	1:B:23:LYS:HE3	15	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4858)	1:B:23:LYS:HB3	1:B:23:LYS:HE2	15	0.46
(1,4858)	1:B:23:LYS:HB3	1:B:23:LYS:HE3	15	0.46
(1,4857)	1:A:23:LYS:HB2	1:A:23:LYS:HE2	15	0.46
(1,4857)	1:A:23:LYS:HB2	1:A:23:LYS:HE3	15	0.46
(1,4857)	1:A:23:LYS:HB3	1:A:23:LYS:HE2	15	0.46
(1,4857)	1:A:23:LYS:HB3	1:A:23:LYS:HE3	15	0.46
(1,4846)	1:B:52:LYS:HE2	1:B:50:PHE:HB2	20	0.46
(1,4846)	1:B:52:LYS:HE2	1:B:50:PHE:HB3	20	0.46
(1,4846)	1:B:52:LYS:HE3	1:B:50:PHE:HB2	20	0.46
(1,4846)	1:B:52:LYS:HE3	1:B:50:PHE:HB3	20	0.46
(1,4846)	1:B:66:LYS:HE2	1:B:50:PHE:HB2	20	0.46
(1,4846)	1:B:66:LYS:HE2	1:B:50:PHE:HB3	20	0.46
(1,4846)	1:B:66:LYS:HE3	1:B:50:PHE:HB2	20	0.46
(1,4846)	1:B:66:LYS:HE3	1:B:50:PHE:HB3	20	0.46
(1,4846)	1:B:66:LYS:HE2	1:B:62:ARG:HD3	20	0.46
(1,4846)	1:B:66:LYS:HE3	1:B:62:ARG:HD3	20	0.46
(1,4846)	1:B:97:LYS:HE2	1:B:95:PHE:HB2	20	0.46
(1,4846)	1:B:97:LYS:HE2	1:B:95:PHE:HB3	20	0.46
(1,4846)	1:B:97:LYS:HE3	1:B:95:PHE:HB2	20	0.46
(1,4846)	1:B:97:LYS:HE3	1:B:95:PHE:HB3	20	0.46
(1,4845)	1:A:52:LYS:HE2	1:A:50:PHE:HB2	20	0.46
(1,4845)	1:A:52:LYS:HE2	1:A:50:PHE:HB3	20	0.46
(1,4845)	1:A:52:LYS:HE3	1:A:50:PHE:HB2	20	0.46
(1,4845)	1:A:52:LYS:HE3	1:A:50:PHE:HB3	20	0.46
(1,4845)	1:A:66:LYS:HE2	1:A:50:PHE:HB2	20	0.46
(1,4845)	1:A:66:LYS:HE2	1:A:50:PHE:HB3	20	0.46
(1,4845)	1:A:66:LYS:HE3	1:A:50:PHE:HB2	20	0.46
(1,4845)	1:A:66:LYS:HE3	1:A:50:PHE:HB3	20	0.46
(1,4845)	1:A:66:LYS:HE2	1:A:62:ARG:HD3	20	0.46
(1,4845)	1:A:66:LYS:HE3	1:A:62:ARG:HD3	20	0.46
(1,4845)	1:A:97:LYS:HE2	1:A:95:PHE:HB2	20	0.46
(1,4845)	1:A:97:LYS:HE2	1:A:95:PHE:HB3	20	0.46
(1,4845)	1:A:97:LYS:HE3	1:A:95:PHE:HB2	20	0.46
(1,4845)	1:A:97:LYS:HE3	1:A:95:PHE:HB3	20	0.46
(1,412)	1:B:62:ARG:HD2	1:B:59:VAL:HG12	9	0.46
(1,412)	1:B:62:ARG:HD2	1:B:59:VAL:HG11	9	0.46
(1,412)	1:B:62:ARG:HD2	1:B:59:VAL:HG13	9	0.46
(1,411)	1:A:62:ARG:HD2	1:A:59:VAL:HG12	9	0.46
(1,411)	1:A:62:ARG:HD2	1:A:59:VAL:HG11	9	0.46
(1,411)	1:A:62:ARG:HD2	1:A:59:VAL:HG13	9	0.46
(1,4104)	1:B:42:PHE:HA	1:B:20:VAL:HB	13	0.46
(1,4104)	1:B:42:PHE:HA	1:B:38:GLU:HB2	13	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4103)	1:A:42:PHE:HA	1:A:20:VAL:HB	13	0.46
(1,4103)	1:A:42:PHE:HA	1:A:38:GLU:HB2	13	0.46
(1,4094)	1:B:11:GLU:HB2	1:B:13:CYS:HB3	6	0.46
(1,4094)	1:B:11:GLU:HB3	1:B:13:CYS:HB3	6	0.46
(1,4094)	1:B:12:ARG:HB2	1:B:13:CYS:HB3	6	0.46
(1,4094)	1:B:12:ARG:HB3	1:B:13:CYS:HB3	6	0.46
(1,4094)	1:B:38:GLU:HB3	1:B:27:LYS:HE2	6	0.46
(1,4094)	1:B:38:GLU:HB3	1:B:27:LYS:HE3	6	0.46
(1,4094)	1:B:62:ARG:HB2	1:B:66:LYS:HE2	6	0.46
(1,4094)	1:B:62:ARG:HB2	1:B:66:LYS:HE3	6	0.46
(1,4030)	1:B:73:GLY:HA3	1:B:36:LYS:HD2	2	0.46
(1,4030)	1:B:73:GLY:HA3	1:B:36:LYS:HD3	2	0.46
(1,4030)	1:B:73:GLY:HA3	1:B:74:GLN:HB3	2	0.46
(1,4030)	1:B:73:GLY:HA3	1:B:36:LYS:HD2	5	0.46
(1,4030)	1:B:73:GLY:HA3	1:B:36:LYS:HD3	5	0.46
(1,4030)	1:B:73:GLY:HA3	1:B:74:GLN:HB3	5	0.46
(1,4030)	1:B:73:GLY:HA3	1:B:36:LYS:HD2	6	0.46
(1,4030)	1:B:73:GLY:HA3	1:B:36:LYS:HD3	6	0.46
(1,4030)	1:B:73:GLY:HA3	1:B:74:GLN:HB3	6	0.46
(1,4029)	1:A:73:GLY:HA3	1:A:36:LYS:HD2	2	0.46
(1,4029)	1:A:73:GLY:HA3	1:A:36:LYS:HD3	2	0.46
(1,4029)	1:A:73:GLY:HA3	1:A:74:GLN:HB3	2	0.46
(1,4029)	1:A:73:GLY:HA3	1:A:36:LYS:HD2	6	0.46
(1,4029)	1:A:73:GLY:HA3	1:A:36:LYS:HD3	6	0.46
(1,4029)	1:A:73:GLY:HA3	1:A:74:GLN:HB3	6	0.46
(1,3938)	1:B:39:PHE:HB2	1:B:36:LYS:HG2	3	0.46
(1,3938)	1:B:39:PHE:HB2	1:B:36:LYS:HG3	3	0.46
(1,3938)	1:B:65:LYS:HG2	1:B:64:MET:HA	3	0.46
(1,3938)	1:B:65:LYS:HG3	1:B:64:MET:HA	3	0.46
(1,3926)	1:B:15:GLU:HB2	1:B:13:CYS:HB3	10	0.46
(1,3926)	1:B:15:GLU:HB3	1:B:13:CYS:HB3	10	0.46
(1,3926)	1:B:15:GLU:HB2	1:A:91:CYS:HB2	10	0.46
(1,3926)	1:B:15:GLU:HB2	1:A:91:CYS:HB3	10	0.46
(1,3926)	1:B:15:GLU:HB3	1:A:91:CYS:HB2	10	0.46
(1,3926)	1:B:15:GLU:HB3	1:A:91:CYS:HB3	10	0.46
(1,3926)	1:B:9:GLU:HB2	1:B:13:CYS:HB3	10	0.46
(1,3926)	1:B:9:GLU:HB3	1:B:13:CYS:HB3	10	0.46
(1,3926)	1:B:15:GLU:HB2	1:B:13:CYS:HB3	11	0.46
(1,3926)	1:B:15:GLU:HB3	1:B:13:CYS:HB3	11	0.46
(1,3926)	1:B:15:GLU:HB2	1:A:91:CYS:HB2	11	0.46
(1,3926)	1:B:15:GLU:HB2	1:A:91:CYS:HB3	11	0.46
(1,3926)	1:B:15:GLU:HB3	1:A:91:CYS:HB2	11	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3926)	1:B:15:GLU:HB3	1:A:91:CYS:HB3	11	0.46
(1,3926)	1:B:9:GLU:HB2	1:B:13:CYS:HB3	11	0.46
(1,3926)	1:B:9:GLU:HB3	1:B:13:CYS:HB3	11	0.46
(1,3925)	1:A:15:GLU:HB2	1:A:13:CYS:HB3	10	0.46
(1,3925)	1:A:15:GLU:HB3	1:A:13:CYS:HB3	10	0.46
(1,3925)	1:A:15:GLU:HB2	1:B:91:CYS:HB2	10	0.46
(1,3925)	1:A:15:GLU:HB2	1:B:91:CYS:HB3	10	0.46
(1,3925)	1:A:15:GLU:HB3	1:B:91:CYS:HB2	10	0.46
(1,3925)	1:A:15:GLU:HB3	1:B:91:CYS:HB3	10	0.46
(1,3925)	1:A:9:GLU:HB2	1:A:13:CYS:HB3	10	0.46
(1,3925)	1:A:9:GLU:HB3	1:A:13:CYS:HB3	10	0.46
(1,3925)	1:A:15:GLU:HB2	1:A:13:CYS:HB3	11	0.46
(1,3925)	1:A:15:GLU:HB3	1:A:13:CYS:HB3	11	0.46
(1,3925)	1:A:15:GLU:HB2	1:B:91:CYS:HB2	11	0.46
(1,3925)	1:A:15:GLU:HB2	1:B:91:CYS:HB3	11	0.46
(1,3925)	1:A:15:GLU:HB3	1:B:91:CYS:HB2	11	0.46
(1,3925)	1:A:15:GLU:HB3	1:B:91:CYS:HB3	11	0.46
(1,3925)	1:A:9:GLU:HB2	1:A:13:CYS:HB3	11	0.46
(1,3925)	1:A:9:GLU:HB3	1:A:13:CYS:HB3	11	0.46
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD12	9	0.46
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD11	9	0.46
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD13	9	0.46
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD12	9	0.46
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD11	9	0.46
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD13	9	0.46
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD12	9	0.46
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD11	9	0.46
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD13	9	0.46
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD12	9	0.46
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD11	9	0.46
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD13	9	0.46
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD12	9	0.46
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD11	9	0.46
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD13	9	0.46
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD12	9	0.46
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD11	9	0.46
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD13	9	0.46
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD22	9	0.46
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD21	9	0.46
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD23	9	0.46
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD12	9	0.46
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD11	9	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD13	9	0.46
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD12	9	0.46
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD11	9	0.46
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD13	9	0.46
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD12	9	0.46
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD11	9	0.46
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD13	9	0.46
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD12	9	0.46
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD11	9	0.46
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD13	9	0.46
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD12	9	0.46
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD11	9	0.46
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD13	9	0.46
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD12	9	0.46
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD11	9	0.46
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD13	9	0.46
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD22	9	0.46
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD21	9	0.46
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD23	9	0.46
(1,3837)	1:A:33:THR:HA	1:A:34:LEU:HG	20	0.46
(1,3837)	1:A:75:LEU:HB3	1:A:33:THR:HA	20	0.46
(1,3762)	1:B:58:GLY:HA3	1:B:60:LEU:HG	10	0.46
(1,3762)	1:B:58:GLY:HA3	1:B:62:ARG:HG2	10	0.46
(1,3762)	1:B:58:GLY:HA3	1:B:60:LEU:HG	17	0.46
(1,3762)	1:B:58:GLY:HA3	1:B:62:ARG:HG2	17	0.46
(1,3761)	1:A:58:GLY:HA3	1:A:60:LEU:HG	10	0.46
(1,3761)	1:A:58:GLY:HA3	1:A:62:ARG:HG2	10	0.46
(1,3761)	1:A:58:GLY:HA3	1:A:60:LEU:HG	17	0.46
(1,3761)	1:A:58:GLY:HA3	1:A:62:ARG:HG2	17	0.46
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD22	11	0.46
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD21	11	0.46
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD23	11	0.46
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD22	11	0.46
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD21	11	0.46
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD23	11	0.46
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD22	12	0.46
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD21	12	0.46
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD23	12	0.46
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD22	12	0.46
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD21	12	0.46
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD23	12	0.46
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD22	11	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD21	11	0.46
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD23	11	0.46
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD22	11	0.46
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD21	11	0.46
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD23	11	0.46
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD22	12	0.46
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD21	12	0.46
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD23	12	0.46
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD22	12	0.46
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD21	12	0.46
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD23	12	0.46
(1,3638)	1:B:34:LEU:HB3	1:B:21:PHE:HB3	20	0.46
(1,3638)	1:B:34:LEU:HB3	1:B:24:TYR:HB3	20	0.46
(1,3638)	1:B:34:LEU:HB3	1:B:42:PHE:HB3	20	0.46
(1,3637)	1:A:34:LEU:HB3	1:A:21:PHE:HB3	20	0.46
(1,3637)	1:A:34:LEU:HB3	1:A:24:TYR:HB3	20	0.46
(1,3637)	1:A:34:LEU:HB3	1:A:42:PHE:HB3	20	0.46
(1,3266)	1:B:27:LYS:H	1:B:27:LYS:HB3	4	0.46
(1,3266)	1:B:27:LYS:H	1:B:27:LYS:HB3	7	0.46
(1,3266)	1:B:27:LYS:H	1:B:27:LYS:HB3	14	0.46
(1,3266)	1:B:27:LYS:H	1:B:27:LYS:HB3	15	0.46
(1,3266)	1:B:27:LYS:H	1:B:27:LYS:HB3	17	0.46
(1,3265)	1:A:27:LYS:H	1:A:27:LYS:HB3	4	0.46
(1,3265)	1:A:27:LYS:H	1:A:27:LYS:HB3	7	0.46
(1,3265)	1:A:27:LYS:H	1:A:27:LYS:HB3	14	0.46
(1,3265)	1:A:27:LYS:H	1:A:27:LYS:HB3	15	0.46
(1,3265)	1:A:27:LYS:H	1:A:27:LYS:HB3	17	0.46
(1,3254)	1:B:62:ARG:H	1:B:61:ASP:HB2	4	0.46
(1,3254)	1:B:62:ARG:H	1:B:61:ASP:HB2	5	0.46
(1,3254)	1:B:62:ARG:H	1:B:61:ASP:HB2	15	0.46
(1,3253)	1:A:62:ARG:H	1:A:61:ASP:HB2	4	0.46
(1,3253)	1:A:62:ARG:H	1:A:61:ASP:HB2	5	0.46
(1,3253)	1:A:62:ARG:H	1:A:61:ASP:HB2	17	0.46
(1,3024)	1:B:76:ASP:H	1:B:75:LEU:HB2	5	0.46
(1,3023)	1:A:76:ASP:H	1:A:75:LEU:HB2	5	0.46
(1,2776)	1:B:50:PHE:H	1:B:47:LEU:HB2	8	0.46
(1,2775)	1:A:50:PHE:H	1:A:47:LEU:HB2	13	0.46
(1,2110)	1:B:33:THR:HG21	1:B:76:ASP:HB3	17	0.46
(1,2110)	1:B:33:THR:HG22	1:B:76:ASP:HB3	17	0.46
(1,2110)	1:B:33:THR:HG23	1:B:76:ASP:HB3	17	0.46
(1,2109)	1:A:33:THR:HG21	1:A:76:ASP:HB3	17	0.46
(1,2109)	1:A:33:THR:HG22	1:A:76:ASP:HB3	17	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2109)	1:A:33:THR:HG23	1:A:76:ASP:HB3	17	0.46
(1,1176)	1:B:44:ASN:HB3	1:B:45:THR:HG21	7	0.46
(1,1176)	1:B:44:ASN:HB3	1:B:45:THR:HG22	7	0.46
(1,1176)	1:B:44:ASN:HB3	1:B:45:THR:HG23	7	0.46
(1,1175)	1:A:44:ASN:HB3	1:A:45:THR:HG21	7	0.46
(1,1175)	1:A:44:ASN:HB3	1:A:45:THR:HG22	7	0.46
(1,1175)	1:A:44:ASN:HB3	1:A:45:THR:HG23	7	0.46
(1,884)	1:B:34:LEU:HB3	1:B:80:PHE:HB2	8	0.45
(1,883)	1:A:34:LEU:HB3	1:A:80:PHE:HB2	8	0.45
(1,692)	1:B:15:GLU:HG2	1:B:16:SER:H	12	0.45
(1,691)	1:A:15:GLU:HG2	1:A:16:SER:H	12	0.45
(1,624)	1:B:34:LEU:HB2	1:B:38:GLU:HB2	19	0.45
(1,623)	1:A:34:LEU:HB2	1:A:38:GLU:HB2	19	0.45
(1,4920)	1:B:52:LYS:HA	1:B:43:MET:HB2	11	0.45
(1,4920)	1:B:52:LYS:HA	1:B:43:MET:HB3	11	0.45
(1,4920)	1:B:52:LYS:HA	1:B:47:LEU:HB3	11	0.45
(1,4920)	1:B:71:SER:HA	1:B:36:LYS:HD2	11	0.45
(1,4920)	1:B:71:SER:HA	1:B:36:LYS:HD3	11	0.45
(1,4920)	1:B:71:SER:HA	1:B:67:LEU:HB2	11	0.45
(1,4920)	1:B:71:SER:HA	1:B:74:GLN:HB3	11	0.45
(1,4919)	1:A:52:LYS:HA	1:A:43:MET:HB2	11	0.45
(1,4919)	1:A:52:LYS:HA	1:A:43:MET:HB3	11	0.45
(1,4919)	1:A:52:LYS:HA	1:A:47:LEU:HB3	11	0.45
(1,4919)	1:A:71:SER:HA	1:A:36:LYS:HD2	11	0.45
(1,4919)	1:A:71:SER:HA	1:A:36:LYS:HD3	11	0.45
(1,4919)	1:A:71:SER:HA	1:A:67:LEU:HB2	11	0.45
(1,4919)	1:A:71:SER:HA	1:A:74:GLN:HB3	11	0.45
(1,476)	1:B:67:LEU:HB3	1:B:75:LEU:HB2	4	0.45
(1,475)	1:A:67:LEU:HB3	1:A:75:LEU:HB2	4	0.45
(1,4438)	1:B:22:GLN:HG2	1:B:25:ALA:HB2	6	0.45
(1,4438)	1:B:22:GLN:HG2	1:B:25:ALA:HB1	6	0.45
(1,4438)	1:B:22:GLN:HG2	1:B:25:ALA:HB3	6	0.45
(1,4438)	1:B:22:GLN:HG3	1:B:25:ALA:HB2	6	0.45
(1,4438)	1:B:22:GLN:HG3	1:B:25:ALA:HB1	6	0.45
(1,4438)	1:B:22:GLN:HG3	1:B:25:ALA:HB3	6	0.45
(1,4438)	1:B:25:ALA:HB2	1:B:24:TYR:HB3	6	0.45
(1,4438)	1:B:25:ALA:HB1	1:B:24:TYR:HB3	6	0.45
(1,4438)	1:B:25:ALA:HB3	1:B:24:TYR:HB3	6	0.45
(1,4437)	1:A:22:GLN:HG2	1:A:25:ALA:HB2	6	0.45
(1,4437)	1:A:22:GLN:HG2	1:A:25:ALA:HB1	6	0.45
(1,4437)	1:A:22:GLN:HG2	1:A:25:ALA:HB3	6	0.45
(1,4437)	1:A:22:GLN:HG3	1:A:25:ALA:HB2	6	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4437)	1:A:22:GLN:HG3	1:A:25:ALA:HB1	6	0.45
(1,4437)	1:A:22:GLN:HG3	1:A:25:ALA:HB3	6	0.45
(1,4437)	1:A:25:ALA:HB2	1:A:24:TYR:HB3	6	0.45
(1,4437)	1:A:25:ALA:HB1	1:A:24:TYR:HB3	6	0.45
(1,4437)	1:A:25:ALA:HB3	1:A:24:TYR:HB3	6	0.45
(1,4271)	1:A:82:ASN:HA	1:A:83:LEU:HA	8	0.45
(1,4271)	1:A:82:ASN:HA	1:A:85:GLY:HA2	8	0.45
(1,4230)	1:B:11:GLU:HB2	1:B:13:CYS:HB3	11	0.45
(1,4230)	1:B:11:GLU:HB3	1:B:13:CYS:HB3	11	0.45
(1,4230)	1:B:12:ARG:HB2	1:B:13:CYS:HB3	11	0.45
(1,4230)	1:B:12:ARG:HB3	1:B:13:CYS:HB3	11	0.45
(1,4230)	1:B:14:ILE:HB	1:B:13:CYS:HB3	11	0.45
(1,4230)	1:B:91:CYS:HB2	1:A:14:ILE:HB	11	0.45
(1,4230)	1:B:91:CYS:HB3	1:A:14:ILE:HB	11	0.45
(1,4229)	1:A:11:GLU:HB2	1:A:13:CYS:HB3	11	0.45
(1,4229)	1:A:11:GLU:HB3	1:A:13:CYS:HB3	11	0.45
(1,4229)	1:A:12:ARG:HB2	1:A:13:CYS:HB3	11	0.45
(1,4229)	1:A:12:ARG:HB3	1:A:13:CYS:HB3	11	0.45
(1,4229)	1:A:14:ILE:HB	1:A:13:CYS:HB3	11	0.45
(1,4229)	1:A:91:CYS:HB2	1:B:14:ILE:HB	11	0.45
(1,4229)	1:A:91:CYS:HB3	1:B:14:ILE:HB	11	0.45
(1,4195)	1:A:52:LYS:HD2	1:A:53:ASN:HB3	11	0.45
(1,4195)	1:A:52:LYS:HD3	1:A:53:ASN:HB3	11	0.45
(1,4195)	1:A:52:LYS:HD2	1:A:44:ASN:HB3	11	0.45
(1,4195)	1:A:52:LYS:HD3	1:A:44:ASN:HB3	11	0.45
(1,4195)	1:A:52:LYS:HB2	1:A:53:ASN:HB3	11	0.45
(1,4195)	1:A:52:LYS:HB3	1:A:53:ASN:HB3	11	0.45
(1,4093)	1:A:11:GLU:HB2	1:A:13:CYS:HB3	6	0.45
(1,4093)	1:A:11:GLU:HB3	1:A:13:CYS:HB3	6	0.45
(1,4093)	1:A:12:ARG:HB2	1:A:13:CYS:HB3	6	0.45
(1,4093)	1:A:12:ARG:HB3	1:A:13:CYS:HB3	6	0.45
(1,4093)	1:A:38:GLU:HB3	1:A:27:LYS:HE2	6	0.45
(1,4093)	1:A:38:GLU:HB3	1:A:27:LYS:HE3	6	0.45
(1,4093)	1:A:62:ARG:HB2	1:A:66:LYS:HE2	6	0.45
(1,4093)	1:A:62:ARG:HB2	1:A:66:LYS:HE3	6	0.45
(1,3946)	1:B:42:PHE:HA	1:B:43:MET:HB2	13	0.45
(1,3946)	1:B:42:PHE:HA	1:B:43:MET:HB3	13	0.45
(1,3946)	1:B:42:PHE:HA	1:B:46:GLU:HB2	13	0.45
(1,3945)	1:A:42:PHE:HA	1:A:43:MET:HB2	13	0.45
(1,3945)	1:A:42:PHE:HA	1:A:43:MET:HB3	13	0.45
(1,3945)	1:A:42:PHE:HA	1:A:46:GLU:HB2	13	0.45
(1,3838)	1:B:33:THR:HA	1:B:34:LEU:HG	20	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3838)	1:B:75:LEU:HB3	1:B:33:THR:HA	20	0.45
(1,3778)	1:B:57:PRO:HA	1:B:61:ASP:HB3	4	0.45
(1,3778)	1:B:57:PRO:HA	1:B:63:MET:HG3	4	0.45
(1,3762)	1:B:58:GLY:HA3	1:B:60:LEU:HG	3	0.45
(1,3762)	1:B:58:GLY:HA3	1:B:62:ARG:HG2	3	0.45
(1,3762)	1:B:58:GLY:HA3	1:B:60:LEU:HG	4	0.45
(1,3762)	1:B:58:GLY:HA3	1:B:62:ARG:HG2	4	0.45
(1,3762)	1:B:58:GLY:HA3	1:B:60:LEU:HG	8	0.45
(1,3762)	1:B:58:GLY:HA3	1:B:62:ARG:HG2	8	0.45
(1,3761)	1:A:58:GLY:HA3	1:A:60:LEU:HG	3	0.45
(1,3761)	1:A:58:GLY:HA3	1:A:62:ARG:HG2	3	0.45
(1,3761)	1:A:58:GLY:HA3	1:A:60:LEU:HG	4	0.45
(1,3761)	1:A:58:GLY:HA3	1:A:62:ARG:HG2	4	0.45
(1,3761)	1:A:58:GLY:HA3	1:A:60:LEU:HG	8	0.45
(1,3761)	1:A:58:GLY:HA3	1:A:62:ARG:HG2	8	0.45
(1,3756)	1:B:39:PHE:HB2	1:B:36:LYS:HD2	18	0.45
(1,3756)	1:B:39:PHE:HB2	1:B:36:LYS:HD3	18	0.45
(1,3756)	1:B:39:PHE:HB2	1:B:43:MET:HB2	18	0.45
(1,3756)	1:B:39:PHE:HB2	1:B:43:MET:HB3	18	0.45
(1,3756)	1:B:39:PHE:HB2	1:B:64:MET:HB3	18	0.45
(1,3755)	1:A:39:PHE:HB2	1:A:36:LYS:HD2	18	0.45
(1,3755)	1:A:39:PHE:HB2	1:A:36:LYS:HD3	18	0.45
(1,3755)	1:A:39:PHE:HB2	1:A:43:MET:HB2	18	0.45
(1,3755)	1:A:39:PHE:HB2	1:A:43:MET:HB3	18	0.45
(1,3755)	1:A:39:PHE:HB2	1:A:64:MET:HB3	18	0.45
(1,356)	1:B:60:LEU:HB2	1:B:61:ASP:HB3	20	0.45
(1,355)	1:A:60:LEU:HB2	1:A:61:ASP:HB3	20	0.45
(1,3490)	1:B:13:CYS:HB2	1:B:81:LEU:HD22	20	0.45
(1,3490)	1:B:13:CYS:HB2	1:B:81:LEU:HD21	20	0.45
(1,3490)	1:B:13:CYS:HB2	1:B:81:LEU:HD23	20	0.45
(1,3490)	1:B:13:CYS:HB2	1:A:81:LEU:HD22	20	0.45
(1,3490)	1:B:13:CYS:HB2	1:A:81:LEU:HD21	20	0.45
(1,3490)	1:B:13:CYS:HB2	1:A:81:LEU:HD23	20	0.45
(1,3489)	1:A:13:CYS:HB2	1:A:81:LEU:HD22	20	0.45
(1,3489)	1:A:13:CYS:HB2	1:A:81:LEU:HD21	20	0.45
(1,3489)	1:A:13:CYS:HB2	1:A:81:LEU:HD23	20	0.45
(1,3489)	1:A:13:CYS:HB2	1:B:81:LEU:HD22	20	0.45
(1,3489)	1:A:13:CYS:HB2	1:B:81:LEU:HD21	20	0.45
(1,3489)	1:A:13:CYS:HB2	1:B:81:LEU:HD23	20	0.45
(1,3266)	1:B:27:LYS:H	1:B:27:LYS:HB3	5	0.45
(1,3266)	1:B:27:LYS:H	1:B:27:LYS:HB3	6	0.45
(1,3265)	1:A:27:LYS:H	1:A:27:LYS:HB3	5	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3265)	1:A:27:LYS:H	1:A:27:LYS:HB3	6	0.45
(1,3254)	1:B:62:ARG:H	1:B:61:ASP:HB2	6	0.45
(1,3254)	1:B:62:ARG:H	1:B:61:ASP:HB2	18	0.45
(1,3253)	1:A:62:ARG:H	1:A:61:ASP:HB2	15	0.45
(1,3024)	1:B:76:ASP:H	1:B:75:LEU:HB2	20	0.45
(1,3023)	1:A:76:ASP:H	1:A:75:LEU:HB2	9	0.45
(1,1608)	1:B:47:LEU:HB2	1:B:50:PHE:HB2	2	0.45
(1,1608)	1:B:47:LEU:HB2	1:B:50:PHE:HB3	2	0.45
(1,1608)	1:B:47:LEU:HB2	1:B:50:PHE:HB2	17	0.45
(1,1608)	1:B:47:LEU:HB2	1:B:50:PHE:HB3	17	0.45
(1,1607)	1:A:47:LEU:HB2	1:A:50:PHE:HB2	2	0.45
(1,1607)	1:A:47:LEU:HB2	1:A:50:PHE:HB3	2	0.45
(2,8)	1:B:89:MET:HG3	1:A:77:PHE:HB3	5	0.44
(2,7)	1:A:89:MET:HG3	1:B:77:PHE:HB3	5	0.44
(2,122)	1:B:76:ASP:HB3	1:B:68:ASP:HA	17	0.44
(1,692)	1:B:15:GLU:HG2	1:B:16:SER:H	16	0.44
(1,691)	1:A:15:GLU:HG2	1:A:16:SER:H	16	0.44
(1,4920)	1:B:52:LYS:HA	1:B:43:MET:HB2	14	0.44
(1,4920)	1:B:52:LYS:HA	1:B:43:MET:HB3	14	0.44
(1,4920)	1:B:52:LYS:HA	1:B:47:LEU:HB3	14	0.44
(1,4920)	1:B:71:SER:HA	1:B:36:LYS:HD2	14	0.44
(1,4920)	1:B:71:SER:HA	1:B:36:LYS:HD3	14	0.44
(1,4920)	1:B:71:SER:HA	1:B:67:LEU:HB2	14	0.44
(1,4920)	1:B:71:SER:HA	1:B:74:GLN:HB3	14	0.44
(1,4920)	1:B:52:LYS:HA	1:B:43:MET:HB2	18	0.44
(1,4920)	1:B:52:LYS:HA	1:B:43:MET:HB3	18	0.44
(1,4920)	1:B:52:LYS:HA	1:B:47:LEU:HB3	18	0.44
(1,4920)	1:B:71:SER:HA	1:B:36:LYS:HD2	18	0.44
(1,4920)	1:B:71:SER:HA	1:B:36:LYS:HD3	18	0.44
(1,4920)	1:B:71:SER:HA	1:B:67:LEU:HB2	18	0.44
(1,4920)	1:B:71:SER:HA	1:B:74:GLN:HB3	18	0.44
(1,4919)	1:A:52:LYS:HA	1:A:43:MET:HB2	14	0.44
(1,4919)	1:A:52:LYS:HA	1:A:43:MET:HB3	14	0.44
(1,4919)	1:A:52:LYS:HA	1:A:47:LEU:HB3	14	0.44
(1,4919)	1:A:71:SER:HA	1:A:36:LYS:HD2	14	0.44
(1,4919)	1:A:71:SER:HA	1:A:36:LYS:HD3	14	0.44
(1,4919)	1:A:71:SER:HA	1:A:67:LEU:HB2	14	0.44
(1,4919)	1:A:71:SER:HA	1:A:74:GLN:HB3	14	0.44
(1,4919)	1:A:52:LYS:HA	1:A:43:MET:HB2	18	0.44
(1,4919)	1:A:52:LYS:HA	1:A:43:MET:HB3	18	0.44
(1,4919)	1:A:52:LYS:HA	1:A:47:LEU:HB3	18	0.44
(1,4919)	1:A:71:SER:HA	1:A:36:LYS:HD2	18	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4919)	1:A:71:SER:HA	1:A:36:LYS:HD3	18	0.44
(1,4919)	1:A:71:SER:HA	1:A:67:LEU:HB2	18	0.44
(1,4919)	1:A:71:SER:HA	1:A:74:GLN:HB3	18	0.44
(1,4858)	1:B:23:LYS:HB2	1:B:23:LYS:HE2	19	0.44
(1,4858)	1:B:23:LYS:HB2	1:B:23:LYS:HE3	19	0.44
(1,4858)	1:B:23:LYS:HB3	1:B:23:LYS:HE2	19	0.44
(1,4858)	1:B:23:LYS:HB3	1:B:23:LYS:HE3	19	0.44
(1,4857)	1:A:23:LYS:HB2	1:A:23:LYS:HE2	19	0.44
(1,4857)	1:A:23:LYS:HB2	1:A:23:LYS:HE3	19	0.44
(1,4857)	1:A:23:LYS:HB3	1:A:23:LYS:HE2	19	0.44
(1,4857)	1:A:23:LYS:HB3	1:A:23:LYS:HE3	19	0.44
(1,4840)	1:B:68:ASP:HB2	1:B:39:PHE:HB3	16	0.44
(1,4840)	1:B:68:ASP:HB2	1:B:72:ASP:HB2	16	0.44
(1,4840)	1:B:80:PHE:HB3	1:B:39:PHE:HB3	16	0.44
(1,4839)	1:A:68:ASP:HB2	1:A:39:PHE:HB3	16	0.44
(1,4839)	1:A:68:ASP:HB2	1:A:72:ASP:HB2	16	0.44
(1,4839)	1:A:80:PHE:HB3	1:A:39:PHE:HB3	16	0.44
(1,476)	1:B:67:LEU:HB3	1:B:75:LEU:HB2	6	0.44
(1,475)	1:A:67:LEU:HB3	1:A:75:LEU:HB2	6	0.44
(1,4618)	1:B:68:ASP:HA	1:B:74:GLN:HB3	7	0.44
(1,4618)	1:B:74:GLN:HB3	1:B:72:ASP:HA	7	0.44
(1,4618)	1:B:68:ASP:HA	1:B:74:GLN:HB3	9	0.44
(1,4618)	1:B:74:GLN:HB3	1:B:72:ASP:HA	9	0.44
(1,4617)	1:A:68:ASP:HA	1:A:74:GLN:HB3	9	0.44
(1,4617)	1:A:74:GLN:HB3	1:A:72:ASP:HA	9	0.44
(1,4272)	1:B:82:ASN:HA	1:B:83:LEU:HA	5	0.44
(1,4272)	1:B:82:ASN:HA	1:B:85:GLY:HA2	5	0.44
(1,4272)	1:B:82:ASN:HA	1:B:83:LEU:HA	8	0.44
(1,4272)	1:B:82:ASN:HA	1:B:85:GLY:HA2	8	0.44
(1,4271)	1:A:82:ASN:HA	1:A:83:LEU:HA	5	0.44
(1,4271)	1:A:82:ASN:HA	1:A:85:GLY:HA2	5	0.44
(1,4230)	1:B:11:GLU:HB2	1:B:13:CYS:HB3	20	0.44
(1,4230)	1:B:11:GLU:HB3	1:B:13:CYS:HB3	20	0.44
(1,4230)	1:B:12:ARG:HB2	1:B:13:CYS:HB3	20	0.44
(1,4230)	1:B:12:ARG:HB3	1:B:13:CYS:HB3	20	0.44
(1,4230)	1:B:14:ILE:HB	1:B:13:CYS:HB3	20	0.44
(1,4230)	1:B:91:CYS:HB2	1:A:14:ILE:HB	20	0.44
(1,4230)	1:B:91:CYS:HB3	1:A:14:ILE:HB	20	0.44
(1,4229)	1:A:11:GLU:HB2	1:A:13:CYS:HB3	20	0.44
(1,4229)	1:A:11:GLU:HB3	1:A:13:CYS:HB3	20	0.44
(1,4229)	1:A:12:ARG:HB2	1:A:13:CYS:HB3	20	0.44
(1,4229)	1:A:12:ARG:HB3	1:A:13:CYS:HB3	20	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4229)	1:A:14:ILE:HB	1:A:13:CYS:HB3	20	0.44
(1,4229)	1:A:91:CYS:HB2	1:B:14:ILE:HB	20	0.44
(1,4229)	1:A:91:CYS:HB3	1:B:14:ILE:HB	20	0.44
(1,4196)	1:B:52:LYS:HD2	1:B:53:ASN:HB3	11	0.44
(1,4196)	1:B:52:LYS:HD3	1:B:53:ASN:HB3	11	0.44
(1,4196)	1:B:52:LYS:HD2	1:B:44:ASN:HB3	11	0.44
(1,4196)	1:B:52:LYS:HD3	1:B:44:ASN:HB3	11	0.44
(1,4196)	1:B:52:LYS:HB2	1:B:53:ASN:HB3	11	0.44
(1,4196)	1:B:52:LYS:HB3	1:B:53:ASN:HB3	11	0.44
(1,4150)	1:B:17:LEU:HG	1:B:13:CYS:HB2	6	0.44
(1,4150)	1:B:13:CYS:HB2	1:A:17:LEU:HG	6	0.44
(1,4149)	1:A:17:LEU:HG	1:A:13:CYS:HB2	6	0.44
(1,4149)	1:A:13:CYS:HB2	1:B:17:LEU:HG	6	0.44
(1,4024)	1:B:83:LEU:HB3	1:B:66:LYS:HE2	7	0.44
(1,4024)	1:B:83:LEU:HB3	1:B:66:LYS:HE3	7	0.44
(1,4024)	1:B:83:LEU:HB3	1:B:82:ASN:HB2	7	0.44
(1,4023)	1:A:83:LEU:HB3	1:A:66:LYS:HE2	7	0.44
(1,4023)	1:A:83:LEU:HB3	1:A:66:LYS:HE3	7	0.44
(1,4023)	1:A:83:LEU:HB3	1:A:82:ASN:HB2	7	0.44
(1,4023)	1:A:83:LEU:HB3	1:A:66:LYS:HE2	19	0.44
(1,4023)	1:A:83:LEU:HB3	1:A:66:LYS:HE3	19	0.44
(1,4023)	1:A:83:LEU:HB3	1:A:82:ASN:HB2	19	0.44
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD12	7	0.44
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD11	7	0.44
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD13	7	0.44
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD12	7	0.44
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD11	7	0.44
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD13	7	0.44
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD12	7	0.44
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD11	7	0.44
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD13	7	0.44
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD12	7	0.44
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD11	7	0.44
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD13	7	0.44
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD12	7	0.44
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD11	7	0.44
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD13	7	0.44
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD12	7	0.44
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD11	7	0.44
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD13	7	0.44
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD22	7	0.44
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD21	7	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD23	7	0.44
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD12	7	0.44
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD11	7	0.44
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD13	7	0.44
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD12	7	0.44
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD11	7	0.44
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD13	7	0.44
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD12	7	0.44
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD11	7	0.44
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD13	7	0.44
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD12	7	0.44
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD11	7	0.44
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD13	7	0.44
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD12	7	0.44
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD11	7	0.44
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD13	7	0.44
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD12	7	0.44
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD11	7	0.44
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD13	7	0.44
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD22	7	0.44
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD21	7	0.44
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD23	7	0.44
(1,3838)	1:B:33:THR:HA	1:B:34:LEU:HG	6	0.44
(1,3838)	1:B:75:LEU:HB3	1:B:33:THR:HA	6	0.44
(1,3837)	1:A:33:THR:HA	1:A:34:LEU:HG	6	0.44
(1,3837)	1:A:75:LEU:HB3	1:A:33:THR:HA	6	0.44
(1,3777)	1:A:57:PRO:HA	1:A:61:ASP:HB3	4	0.44
(1,3777)	1:A:57:PRO:HA	1:A:63:MET:HG3	4	0.44
(1,3777)	1:A:57:PRO:HA	1:A:61:ASP:HB3	19	0.44
(1,3777)	1:A:57:PRO:HA	1:A:63:MET:HG3	19	0.44
(1,3762)	1:B:58:GLY:HA3	1:B:60:LEU:HG	19	0.44
(1,3762)	1:B:58:GLY:HA3	1:B:62:ARG:HG2	19	0.44
(1,3762)	1:B:58:GLY:HA3	1:B:60:LEU:HG	20	0.44
(1,3762)	1:B:58:GLY:HA3	1:B:62:ARG:HG2	20	0.44
(1,3761)	1:A:58:GLY:HA3	1:A:60:LEU:HG	19	0.44
(1,3761)	1:A:58:GLY:HA3	1:A:62:ARG:HG2	19	0.44
(1,3761)	1:A:58:GLY:HA3	1:A:60:LEU:HG	20	0.44
(1,3761)	1:A:58:GLY:HA3	1:A:62:ARG:HG2	20	0.44
(1,3506)	1:B:69:THR:HB	1:B:65:LYS:HE2	20	0.44
(1,3506)	1:B:69:THR:HB	1:B:65:LYS:HE3	20	0.44
(1,3506)	1:B:69:THR:HB	1:B:68:ASP:HB2	20	0.44
(1,3506)	1:B:69:THR:HB	1:B:82:ASN:HB2	20	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3505)	1:A:69:THR:HB	1:A:65:LYS:HE2	20	0.44
(1,3505)	1:A:69:THR:HB	1:A:65:LYS:HE3	20	0.44
(1,3505)	1:A:69:THR:HB	1:A:68:ASP:HB2	20	0.44
(1,3505)	1:A:69:THR:HB	1:A:82:ASN:HB2	20	0.44
(1,3266)	1:B:27:LYS:H	1:B:27:LYS:HB3	8	0.44
(1,3266)	1:B:27:LYS:H	1:B:27:LYS:HB3	18	0.44
(1,3265)	1:A:27:LYS:H	1:A:27:LYS:HB3	8	0.44
(1,3265)	1:A:27:LYS:H	1:A:27:LYS:HB3	18	0.44
(1,3253)	1:A:62:ARG:H	1:A:61:ASP:HB2	6	0.44
(1,3253)	1:A:62:ARG:H	1:A:61:ASP:HB2	18	0.44
(1,3024)	1:B:76:ASP:H	1:B:75:LEU:HB2	9	0.44
(1,3023)	1:A:76:ASP:H	1:A:75:LEU:HB2	20	0.44
(1,2776)	1:B:50:PHE:H	1:B:47:LEU:HB2	14	0.44
(1,2775)	1:A:50:PHE:H	1:A:47:LEU:HB2	14	0.44
(1,1607)	1:A:47:LEU:HB2	1:A:50:PHE:HB2	17	0.44
(1,1607)	1:A:47:LEU:HB2	1:A:50:PHE:HB3	17	0.44
(2,8)	1:B:89:MET:HG3	1:A:77:PHE:HB3	2	0.43
(2,7)	1:A:89:MET:HG3	1:B:77:PHE:HB3	2	0.43
(2,121)	1:A:76:ASP:HB3	1:A:68:ASP:HA	17	0.43
(1,692)	1:B:15:GLU:HG2	1:B:16:SER:H	4	0.43
(1,691)	1:A:15:GLU:HG2	1:A:16:SER:H	4	0.43
(1,650)	1:B:15:GLU:HG2	1:B:16:SER:H	9	0.43
(1,5536)	1:B:23:LYS:H	1:B:20:VAL:HB	16	0.43
(1,5536)	1:B:23:LYS:H	1:B:22:GLN:HG2	16	0.43
(1,5536)	1:B:23:LYS:H	1:B:22:GLN:HG3	16	0.43
(1,5536)	1:B:23:LYS:H	1:B:24:TYR:HB3	16	0.43
(1,5535)	1:A:23:LYS:H	1:A:20:VAL:HB	16	0.43
(1,5535)	1:A:23:LYS:H	1:A:22:GLN:HG2	16	0.43
(1,5535)	1:A:23:LYS:H	1:A:22:GLN:HG3	16	0.43
(1,5535)	1:A:23:LYS:H	1:A:24:TYR:HB3	16	0.43
(1,4858)	1:B:23:LYS:HB2	1:B:23:LYS:HE2	9	0.43
(1,4858)	1:B:23:LYS:HB2	1:B:23:LYS:HE3	9	0.43
(1,4858)	1:B:23:LYS:HB3	1:B:23:LYS:HE2	9	0.43
(1,4858)	1:B:23:LYS:HB3	1:B:23:LYS:HE3	9	0.43
(1,4857)	1:A:23:LYS:HB2	1:A:23:LYS:HE2	9	0.43
(1,4857)	1:A:23:LYS:HB2	1:A:23:LYS:HE3	9	0.43
(1,4857)	1:A:23:LYS:HB3	1:A:23:LYS:HE2	9	0.43
(1,4857)	1:A:23:LYS:HB3	1:A:23:LYS:HE3	9	0.43
(1,4840)	1:B:68:ASP:HB2	1:B:39:PHE:HB3	2	0.43
(1,4840)	1:B:68:ASP:HB2	1:B:72:ASP:HB2	2	0.43
(1,4840)	1:B:80:PHE:HB3	1:B:39:PHE:HB3	2	0.43
(1,4839)	1:A:68:ASP:HB2	1:A:39:PHE:HB3	2	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4839)	1:A:68:ASP:HB2	1:A:72:ASP:HB2	2	0.43
(1,4839)	1:A:80:PHE:HB3	1:A:39:PHE:HB3	2	0.43
(1,4617)	1:A:68:ASP:HA	1:A:74:GLN:HB3	7	0.43
(1,4617)	1:A:74:GLN:HB3	1:A:72:ASP:HA	7	0.43
(1,4058)	1:B:18:ILE:HG22	1:A:91:CYS:HB2	1	0.43
(1,4058)	1:B:18:ILE:HG22	1:A:91:CYS:HB3	1	0.43
(1,4058)	1:B:18:ILE:HG21	1:A:91:CYS:HB2	1	0.43
(1,4058)	1:B:18:ILE:HG21	1:A:91:CYS:HB3	1	0.43
(1,4058)	1:B:18:ILE:HG23	1:A:91:CYS:HB2	1	0.43
(1,4058)	1:B:18:ILE:HG23	1:A:91:CYS:HB3	1	0.43
(1,4058)	1:B:21:PHE:HB2	1:B:18:ILE:HG22	1	0.43
(1,4058)	1:B:21:PHE:HB2	1:B:18:ILE:HG21	1	0.43
(1,4058)	1:B:21:PHE:HB2	1:B:18:ILE:HG23	1	0.43
(1,4024)	1:B:83:LEU:HB3	1:B:66:LYS:HE2	19	0.43
(1,4024)	1:B:83:LEU:HB3	1:B:66:LYS:HE3	19	0.43
(1,4024)	1:B:83:LEU:HB3	1:B:82:ASN:HB2	19	0.43
(1,3925)	1:A:15:GLU:HB2	1:A:13:CYS:HB3	8	0.43
(1,3925)	1:A:15:GLU:HB3	1:A:13:CYS:HB3	8	0.43
(1,3925)	1:A:15:GLU:HB2	1:B:91:CYS:HB2	8	0.43
(1,3925)	1:A:15:GLU:HB2	1:B:91:CYS:HB3	8	0.43
(1,3925)	1:A:15:GLU:HB3	1:B:91:CYS:HB2	8	0.43
(1,3925)	1:A:15:GLU:HB3	1:B:91:CYS:HB3	8	0.43
(1,3925)	1:A:9:GLU:HB2	1:A:13:CYS:HB3	8	0.43
(1,3925)	1:A:9:GLU:HB3	1:A:13:CYS:HB3	8	0.43
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD12	13	0.43
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD11	13	0.43
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD13	13	0.43
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD12	13	0.43
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD11	13	0.43
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD13	13	0.43
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD12	13	0.43
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD11	13	0.43
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD13	13	0.43
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD12	13	0.43
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD11	13	0.43
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD13	13	0.43
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD12	13	0.43
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD11	13	0.43
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD13	13	0.43
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD12	13	0.43
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD11	13	0.43
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD13	13	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD22	13	0.43
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD21	13	0.43
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD23	13	0.43
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD12	19	0.43
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD11	19	0.43
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD13	19	0.43
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD12	19	0.43
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD11	19	0.43
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD13	19	0.43
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD12	19	0.43
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD11	19	0.43
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD13	19	0.43
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD12	19	0.43
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD11	19	0.43
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD13	19	0.43
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD12	19	0.43
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD11	19	0.43
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD13	19	0.43
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD12	19	0.43
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD11	19	0.43
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD13	19	0.43
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD22	19	0.43
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD21	19	0.43
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD23	19	0.43
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD12	13	0.43
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD11	13	0.43
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD13	13	0.43
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD12	13	0.43
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD11	13	0.43
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD13	13	0.43
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD12	13	0.43
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD11	13	0.43
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD13	13	0.43
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD12	13	0.43
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD11	13	0.43
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD13	13	0.43
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD12	13	0.43
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD11	13	0.43
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD13	13	0.43
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD12	13	0.43
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD11	13	0.43
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD13	13	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD22	13	0.43
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD21	13	0.43
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD23	13	0.43
(1,3838)	1:B:33:THR:HA	1:B:34:LEU:HG	18	0.43
(1,3838)	1:B:75:LEU:HB3	1:B:33:THR:HA	18	0.43
(1,3837)	1:A:33:THR:HA	1:A:34:LEU:HG	18	0.43
(1,3837)	1:A:75:LEU:HB3	1:A:33:THR:HA	18	0.43
(1,3778)	1:B:57:PRO:HA	1:B:61:ASP:HB3	19	0.43
(1,3778)	1:B:57:PRO:HA	1:B:63:MET:HG3	19	0.43
(1,3762)	1:B:58:GLY:HA3	1:B:60:LEU:HG	5	0.43
(1,3762)	1:B:58:GLY:HA3	1:B:62:ARG:HG2	5	0.43
(1,3762)	1:B:58:GLY:HA3	1:B:60:LEU:HG	15	0.43
(1,3762)	1:B:58:GLY:HA3	1:B:62:ARG:HG2	15	0.43
(1,3761)	1:A:58:GLY:HA3	1:A:60:LEU:HG	2	0.43
(1,3761)	1:A:58:GLY:HA3	1:A:62:ARG:HG2	2	0.43
(1,3761)	1:A:58:GLY:HA3	1:A:60:LEU:HG	5	0.43
(1,3761)	1:A:58:GLY:HA3	1:A:62:ARG:HG2	5	0.43
(1,3761)	1:A:58:GLY:HA3	1:A:60:LEU:HG	15	0.43
(1,3761)	1:A:58:GLY:HA3	1:A:62:ARG:HG2	15	0.43
(1,3674)	1:B:75:LEU:HB3	1:B:21:PHE:HB3	10	0.43
(1,3674)	1:B:75:LEU:HB3	1:B:24:TYR:HB3	10	0.43
(1,3674)	1:B:75:LEU:HB3	1:B:42:PHE:HB3	10	0.43
(1,3674)	1:B:75:LEU:HB3	1:B:63:MET:HB2	10	0.43
(1,3674)	1:B:75:LEU:HB3	1:B:21:PHE:HB3	15	0.43
(1,3674)	1:B:75:LEU:HB3	1:B:24:TYR:HB3	15	0.43
(1,3674)	1:B:75:LEU:HB3	1:B:42:PHE:HB3	15	0.43
(1,3674)	1:B:75:LEU:HB3	1:B:63:MET:HB2	15	0.43
(1,3673)	1:A:75:LEU:HB3	1:A:21:PHE:HB3	10	0.43
(1,3673)	1:A:75:LEU:HB3	1:A:24:TYR:HB3	10	0.43
(1,3673)	1:A:75:LEU:HB3	1:A:42:PHE:HB3	10	0.43
(1,3673)	1:A:75:LEU:HB3	1:A:63:MET:HB2	10	0.43
(1,3673)	1:A:75:LEU:HB3	1:A:21:PHE:HB3	15	0.43
(1,3673)	1:A:75:LEU:HB3	1:A:24:TYR:HB3	15	0.43
(1,3673)	1:A:75:LEU:HB3	1:A:42:PHE:HB3	15	0.43
(1,3673)	1:A:75:LEU:HB3	1:A:63:MET:HB2	15	0.43
(1,3514)	1:B:40:LEU:HB2	1:B:39:PHE:HB3	10	0.43
(1,3514)	1:B:40:LEU:HB2	1:B:42:PHE:HB2	10	0.43
(1,3514)	1:B:60:LEU:HB2	1:B:39:PHE:HB3	10	0.43
(1,3513)	1:A:40:LEU:HB2	1:A:39:PHE:HB3	10	0.43
(1,3513)	1:A:40:LEU:HB2	1:A:42:PHE:HB2	10	0.43
(1,3513)	1:A:60:LEU:HB2	1:A:39:PHE:HB3	10	0.43
(1,3254)	1:B:62:ARG:H	1:B:61:ASP:HB2	3	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3254)	1:B:62:ARG:H	1:B:61:ASP:HB2	14	0.43
(1,3253)	1:A:62:ARG:H	1:A:61:ASP:HB2	14	0.43
(1,320)	1:B:74:GLN:HB3	1:B:76:ASP:HB3	19	0.43
(1,319)	1:A:74:GLN:HB3	1:A:76:ASP:HB3	19	0.43
(1,1608)	1:B:47:LEU:HB2	1:B:50:PHE:HB2	16	0.43
(1,1608)	1:B:47:LEU:HB2	1:B:50:PHE:HB3	16	0.43
(1,1607)	1:A:47:LEU:HB2	1:A:50:PHE:HB2	16	0.43
(1,1607)	1:A:47:LEU:HB2	1:A:50:PHE:HB3	16	0.43
(1,1238)	1:B:62:ARG:HB3	1:B:59:VAL:HA	14	0.43
(1,1237)	1:A:62:ARG:HB3	1:A:59:VAL:HA	14	0.43
(1,692)	1:B:15:GLU:HG2	1:B:16:SER:H	7	0.42
(1,692)	1:B:15:GLU:HG2	1:B:16:SER:H	8	0.42
(1,692)	1:B:15:GLU:HG2	1:B:16:SER:H	13	0.42
(1,691)	1:A:15:GLU:HG2	1:A:16:SER:H	7	0.42
(1,691)	1:A:15:GLU:HG2	1:A:16:SER:H	13	0.42
(1,649)	1:A:15:GLU:HG2	1:A:16:SER:H	9	0.42
(1,5676)	1:B:61:ASP:H	1:B:60:LEU:HG	3	0.42
(1,5676)	1:B:61:ASP:H	1:B:62:ARG:HB3	3	0.42
(1,5676)	1:B:61:ASP:H	1:B:62:ARG:HG2	3	0.42
(1,5676)	1:B:61:ASP:H	1:B:60:LEU:HG	18	0.42
(1,5676)	1:B:61:ASP:H	1:B:62:ARG:HB3	18	0.42
(1,5676)	1:B:61:ASP:H	1:B:62:ARG:HG2	18	0.42
(1,5676)	1:B:61:ASP:H	1:B:60:LEU:HG	20	0.42
(1,5676)	1:B:61:ASP:H	1:B:62:ARG:HB3	20	0.42
(1,5676)	1:B:61:ASP:H	1:B:62:ARG:HG2	20	0.42
(1,5675)	1:A:61:ASP:H	1:A:60:LEU:HG	3	0.42
(1,5675)	1:A:61:ASP:H	1:A:62:ARG:HB3	3	0.42
(1,5675)	1:A:61:ASP:H	1:A:62:ARG:HG2	3	0.42
(1,5675)	1:A:61:ASP:H	1:A:60:LEU:HG	18	0.42
(1,5675)	1:A:61:ASP:H	1:A:62:ARG:HB3	18	0.42
(1,5675)	1:A:61:ASP:H	1:A:62:ARG:HG2	18	0.42
(1,5675)	1:A:61:ASP:H	1:A:60:LEU:HG	20	0.42
(1,5675)	1:A:61:ASP:H	1:A:62:ARG:HB3	20	0.42
(1,5675)	1:A:61:ASP:H	1:A:62:ARG:HG2	20	0.42
(1,5535)	1:A:23:LYS:H	1:A:20:VAL:HB	15	0.42
(1,5535)	1:A:23:LYS:H	1:A:22:GLN:HG2	15	0.42
(1,5535)	1:A:23:LYS:H	1:A:22:GLN:HG3	15	0.42
(1,5535)	1:A:23:LYS:H	1:A:24:TYR:HB3	15	0.42
(1,5216)	1:B:34:LEU:H	1:B:21:PHE:HB3	2	0.42
(1,5216)	1:B:34:LEU:H	1:B:22:GLN:HG2	2	0.42
(1,5216)	1:B:34:LEU:H	1:B:22:GLN:HG3	2	0.42
(1,5216)	1:B:34:LEU:H	1:B:64:MET:HG2	2	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5216)	1:B:34:LEU:H	1:B:64:MET:HG3	2	0.42
(1,5216)	1:B:34:LEU:H	1:B:77:PHE:HB2	2	0.42
(1,5216)	1:B:34:LEU:H	1:B:21:PHE:HB3	5	0.42
(1,5216)	1:B:34:LEU:H	1:B:22:GLN:HG2	5	0.42
(1,5216)	1:B:34:LEU:H	1:B:22:GLN:HG3	5	0.42
(1,5216)	1:B:34:LEU:H	1:B:64:MET:HG2	5	0.42
(1,5216)	1:B:34:LEU:H	1:B:64:MET:HG3	5	0.42
(1,5216)	1:B:34:LEU:H	1:B:77:PHE:HB2	5	0.42
(1,5215)	1:A:34:LEU:H	1:A:21:PHE:HB3	2	0.42
(1,5215)	1:A:34:LEU:H	1:A:22:GLN:HG2	2	0.42
(1,5215)	1:A:34:LEU:H	1:A:22:GLN:HG3	2	0.42
(1,5215)	1:A:34:LEU:H	1:A:64:MET:HG2	2	0.42
(1,5215)	1:A:34:LEU:H	1:A:64:MET:HG3	2	0.42
(1,5215)	1:A:34:LEU:H	1:A:77:PHE:HB2	2	0.42
(1,5215)	1:A:34:LEU:H	1:A:21:PHE:HB3	5	0.42
(1,5215)	1:A:34:LEU:H	1:A:22:GLN:HG2	5	0.42
(1,5215)	1:A:34:LEU:H	1:A:22:GLN:HG3	5	0.42
(1,5215)	1:A:34:LEU:H	1:A:64:MET:HG2	5	0.42
(1,5215)	1:A:34:LEU:H	1:A:64:MET:HG3	5	0.42
(1,5215)	1:A:34:LEU:H	1:A:77:PHE:HB2	5	0.42
(1,4858)	1:B:23:LYS:HB2	1:B:23:LYS:HE2	7	0.42
(1,4858)	1:B:23:LYS:HB2	1:B:23:LYS:HE3	7	0.42
(1,4858)	1:B:23:LYS:HB3	1:B:23:LYS:HE2	7	0.42
(1,4858)	1:B:23:LYS:HB3	1:B:23:LYS:HE3	7	0.42
(1,4858)	1:B:23:LYS:HB2	1:B:23:LYS:HE2	10	0.42
(1,4858)	1:B:23:LYS:HB2	1:B:23:LYS:HE3	10	0.42
(1,4858)	1:B:23:LYS:HB3	1:B:23:LYS:HE2	10	0.42
(1,4858)	1:B:23:LYS:HB3	1:B:23:LYS:HE3	10	0.42
(1,4858)	1:B:23:LYS:HB2	1:B:23:LYS:HE2	16	0.42
(1,4858)	1:B:23:LYS:HB2	1:B:23:LYS:HE3	16	0.42
(1,4858)	1:B:23:LYS:HB3	1:B:23:LYS:HE2	16	0.42
(1,4858)	1:B:23:LYS:HB3	1:B:23:LYS:HE3	16	0.42
(1,4857)	1:A:23:LYS:HB2	1:A:23:LYS:HE2	7	0.42
(1,4857)	1:A:23:LYS:HB2	1:A:23:LYS:HE3	7	0.42
(1,4857)	1:A:23:LYS:HB3	1:A:23:LYS:HE2	7	0.42
(1,4857)	1:A:23:LYS:HB3	1:A:23:LYS:HE3	7	0.42
(1,4857)	1:A:23:LYS:HB2	1:A:23:LYS:HE2	10	0.42
(1,4857)	1:A:23:LYS:HB2	1:A:23:LYS:HE3	10	0.42
(1,4857)	1:A:23:LYS:HB3	1:A:23:LYS:HE2	10	0.42
(1,4857)	1:A:23:LYS:HB3	1:A:23:LYS:HE3	10	0.42
(1,4857)	1:A:23:LYS:HB2	1:A:23:LYS:HE2	16	0.42
(1,4857)	1:A:23:LYS:HB2	1:A:23:LYS:HE3	16	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4857)	1:A:23:LYS:HB3	1:A:23:LYS:HE2	16	0.42
(1,4857)	1:A:23:LYS:HB3	1:A:23:LYS:HE3	16	0.42
(1,4618)	1:B:68:ASP:HA	1:B:74:GLN:HB3	6	0.42
(1,4618)	1:B:74:GLN:HB3	1:B:72:ASP:HA	6	0.42
(1,4617)	1:A:68:ASP:HA	1:A:74:GLN:HB3	6	0.42
(1,4617)	1:A:74:GLN:HB3	1:A:72:ASP:HA	6	0.42
(1,4272)	1:B:82:ASN:HA	1:B:83:LEU:HA	19	0.42
(1,4272)	1:B:82:ASN:HA	1:B:85:GLY:HA2	19	0.42
(1,4271)	1:A:82:ASN:HA	1:A:83:LEU:HA	19	0.42
(1,4271)	1:A:82:ASN:HA	1:A:85:GLY:HA2	19	0.42
(1,4057)	1:A:18:ILE:HG22	1:B:91:CYS:HB2	1	0.42
(1,4057)	1:A:18:ILE:HG22	1:B:91:CYS:HB3	1	0.42
(1,4057)	1:A:18:ILE:HG21	1:B:91:CYS:HB2	1	0.42
(1,4057)	1:A:18:ILE:HG21	1:B:91:CYS:HB3	1	0.42
(1,4057)	1:A:18:ILE:HG23	1:B:91:CYS:HB2	1	0.42
(1,4057)	1:A:18:ILE:HG23	1:B:91:CYS:HB3	1	0.42
(1,4057)	1:A:21:PHE:HB2	1:A:18:ILE:HG22	1	0.42
(1,4057)	1:A:21:PHE:HB2	1:A:18:ILE:HG21	1	0.42
(1,4057)	1:A:21:PHE:HB2	1:A:18:ILE:HG23	1	0.42
(1,4048)	1:B:52:LYS:HB2	1:B:53:ASN:HB3	8	0.42
(1,4048)	1:B:52:LYS:HB3	1:B:53:ASN:HB3	8	0.42
(1,4048)	1:B:74:GLN:HB2	1:B:76:ASP:HB3	8	0.42
(1,4047)	1:A:52:LYS:HB2	1:A:53:ASN:HB3	8	0.42
(1,4047)	1:A:52:LYS:HB3	1:A:53:ASN:HB3	8	0.42
(1,4047)	1:A:74:GLN:HB2	1:A:76:ASP:HB3	8	0.42
(1,4024)	1:B:83:LEU:HB3	1:B:66:LYS:HE2	2	0.42
(1,4024)	1:B:83:LEU:HB3	1:B:66:LYS:HE3	2	0.42
(1,4024)	1:B:83:LEU:HB3	1:B:82:ASN:HB2	2	0.42
(1,4024)	1:B:83:LEU:HB3	1:B:66:LYS:HE2	15	0.42
(1,4024)	1:B:83:LEU:HB3	1:B:66:LYS:HE3	15	0.42
(1,4024)	1:B:83:LEU:HB3	1:B:82:ASN:HB2	15	0.42
(1,4023)	1:A:83:LEU:HB3	1:A:66:LYS:HE2	15	0.42
(1,4023)	1:A:83:LEU:HB3	1:A:66:LYS:HE3	15	0.42
(1,4023)	1:A:83:LEU:HB3	1:A:82:ASN:HB2	15	0.42
(1,3926)	1:B:15:GLU:HB2	1:B:13:CYS:HB3	8	0.42
(1,3926)	1:B:15:GLU:HB3	1:B:13:CYS:HB3	8	0.42
(1,3926)	1:B:15:GLU:HB2	1:A:91:CYS:HB2	8	0.42
(1,3926)	1:B:15:GLU:HB2	1:A:91:CYS:HB3	8	0.42
(1,3926)	1:B:15:GLU:HB3	1:A:91:CYS:HB2	8	0.42
(1,3926)	1:B:15:GLU:HB3	1:A:91:CYS:HB3	8	0.42
(1,3926)	1:B:9:GLU:HB2	1:B:13:CYS:HB3	8	0.42
(1,3926)	1:B:9:GLU:HB3	1:B:13:CYS:HB3	8	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD12	4	0.42
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD11	4	0.42
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD13	4	0.42
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD12	4	0.42
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD11	4	0.42
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD13	4	0.42
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD12	4	0.42
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD11	4	0.42
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD13	4	0.42
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD12	4	0.42
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD11	4	0.42
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD13	4	0.42
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD12	4	0.42
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD11	4	0.42
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD13	4	0.42
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD12	4	0.42
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD11	4	0.42
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD13	4	0.42
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD22	4	0.42
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD21	4	0.42
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD23	4	0.42
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD12	19	0.42
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD11	19	0.42
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD13	19	0.42
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD12	19	0.42
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD11	19	0.42
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD13	19	0.42
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD12	19	0.42
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD11	19	0.42
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD13	19	0.42
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD12	19	0.42
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD11	19	0.42
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD13	19	0.42
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD12	19	0.42
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD11	19	0.42
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD13	19	0.42
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD12	19	0.42
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD11	19	0.42
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD13	19	0.42
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD22	19	0.42
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD21	19	0.42
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD23	19	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3850)	1:B:34:LEU:HB2	1:B:39:PHE:HB2	11	0.42
(1,3850)	1:B:39:PHE:HB2	1:B:36:LYS:HB2	11	0.42
(1,3850)	1:B:39:PHE:HB2	1:B:36:LYS:HB3	11	0.42
(1,3850)	1:B:39:PHE:HB2	1:B:40:LEU:HG	11	0.42
(1,3850)	1:B:39:PHE:HB2	1:B:64:MET:HB2	11	0.42
(1,3849)	1:A:34:LEU:HB2	1:A:39:PHE:HB2	11	0.42
(1,3849)	1:A:39:PHE:HB2	1:A:36:LYS:HB2	11	0.42
(1,3849)	1:A:39:PHE:HB2	1:A:36:LYS:HB3	11	0.42
(1,3849)	1:A:39:PHE:HB2	1:A:40:LEU:HG	11	0.42
(1,3849)	1:A:39:PHE:HB2	1:A:64:MET:HB2	11	0.42
(1,3778)	1:B:57:PRO:HA	1:B:61:ASP:HB3	7	0.42
(1,3778)	1:B:57:PRO:HA	1:B:63:MET:HG3	7	0.42
(1,3777)	1:A:57:PRO:HA	1:A:61:ASP:HB3	7	0.42
(1,3777)	1:A:57:PRO:HA	1:A:63:MET:HG3	7	0.42
(1,3762)	1:B:58:GLY:HA3	1:B:60:LEU:HG	2	0.42
(1,3762)	1:B:58:GLY:HA3	1:B:62:ARG:HG2	2	0.42
(1,3762)	1:B:58:GLY:HA3	1:B:60:LEU:HG	12	0.42
(1,3762)	1:B:58:GLY:HA3	1:B:62:ARG:HG2	12	0.42
(1,3761)	1:A:58:GLY:HA3	1:A:60:LEU:HG	12	0.42
(1,3761)	1:A:58:GLY:HA3	1:A:62:ARG:HG2	12	0.42
(1,3518)	1:B:51:THR:HB	1:B:44:ASN:HB2	1	0.42
(1,3518)	1:B:37:THR:HB	1:B:27:LYS:HE2	1	0.42
(1,3518)	1:B:37:THR:HB	1:B:27:LYS:HE3	1	0.42
(1,3517)	1:A:51:THR:HB	1:A:44:ASN:HB2	1	0.42
(1,3517)	1:A:37:THR:HB	1:A:27:LYS:HE2	1	0.42
(1,3517)	1:A:37:THR:HB	1:A:27:LYS:HE3	1	0.42
(1,3489)	1:A:13:CYS:HB2	1:A:81:LEU:HD22	11	0.42
(1,3489)	1:A:13:CYS:HB2	1:A:81:LEU:HD21	11	0.42
(1,3489)	1:A:13:CYS:HB2	1:A:81:LEU:HD23	11	0.42
(1,3489)	1:A:13:CYS:HB2	1:B:81:LEU:HD22	11	0.42
(1,3489)	1:A:13:CYS:HB2	1:B:81:LEU:HD21	11	0.42
(1,3489)	1:A:13:CYS:HB2	1:B:81:LEU:HD23	11	0.42
(1,3416)	1:B:83:LEU:HG	1:B:66:LYS:HE2	20	0.42
(1,3416)	1:B:83:LEU:HG	1:B:66:LYS:HE3	20	0.42
(1,3416)	1:B:83:LEU:HG	1:B:80:PHE:HB3	20	0.42
(1,3416)	1:B:83:LEU:HG	1:B:82:ASN:HB2	20	0.42
(1,3415)	1:A:83:LEU:HG	1:A:66:LYS:HE2	20	0.42
(1,3415)	1:A:83:LEU:HG	1:A:66:LYS:HE3	20	0.42
(1,3415)	1:A:83:LEU:HG	1:A:80:PHE:HB3	20	0.42
(1,3415)	1:A:83:LEU:HG	1:A:82:ASN:HB2	20	0.42
(1,3253)	1:A:62:ARG:H	1:A:61:ASP:HB2	3	0.42
(1,2768)	1:B:80:PHE:H	1:B:75:LEU:HB2	5	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2767)	1:A:80:PHE:H	1:A:75:LEU:HB2	5	0.42
(1,210)	1:B:76:ASP:HA	1:B:34:LEU:HB3	4	0.42
(1,209)	1:A:76:ASP:HA	1:A:34:LEU:HB3	4	0.42
(1,1328)	1:B:34:LEU:HB2	1:B:39:PHE:HB3	20	0.42
(1,1327)	1:A:34:LEU:HB2	1:A:39:PHE:HB3	20	0.42
(1,884)	1:B:34:LEU:HB3	1:B:80:PHE:HB2	4	0.41
(1,883)	1:A:34:LEU:HB3	1:A:80:PHE:HB2	4	0.41
(1,692)	1:B:15:GLU:HG2	1:B:16:SER:H	17	0.41
(1,691)	1:A:15:GLU:HG2	1:A:16:SER:H	8	0.41
(1,691)	1:A:15:GLU:HG2	1:A:16:SER:H	17	0.41
(1,624)	1:B:34:LEU:HB2	1:B:38:GLU:HB2	16	0.41
(1,623)	1:A:34:LEU:HB2	1:A:38:GLU:HB2	16	0.41
(1,5676)	1:B:61:ASP:H	1:B:60:LEU:HG	6	0.41
(1,5676)	1:B:61:ASP:H	1:B:62:ARG:HB3	6	0.41
(1,5676)	1:B:61:ASP:H	1:B:62:ARG:HG2	6	0.41
(1,5536)	1:B:23:LYS:H	1:B:20:VAL:HB	4	0.41
(1,5536)	1:B:23:LYS:H	1:B:22:GLN:HG2	4	0.41
(1,5536)	1:B:23:LYS:H	1:B:22:GLN:HG3	4	0.41
(1,5536)	1:B:23:LYS:H	1:B:24:TYR:HB3	4	0.41
(1,5536)	1:B:23:LYS:H	1:B:20:VAL:HB	14	0.41
(1,5536)	1:B:23:LYS:H	1:B:22:GLN:HG2	14	0.41
(1,5536)	1:B:23:LYS:H	1:B:22:GLN:HG3	14	0.41
(1,5536)	1:B:23:LYS:H	1:B:24:TYR:HB3	14	0.41
(1,5536)	1:B:23:LYS:H	1:B:20:VAL:HB	15	0.41
(1,5536)	1:B:23:LYS:H	1:B:22:GLN:HG2	15	0.41
(1,5536)	1:B:23:LYS:H	1:B:22:GLN:HG3	15	0.41
(1,5536)	1:B:23:LYS:H	1:B:24:TYR:HB3	15	0.41
(1,5535)	1:A:23:LYS:H	1:A:20:VAL:HB	4	0.41
(1,5535)	1:A:23:LYS:H	1:A:22:GLN:HG2	4	0.41
(1,5535)	1:A:23:LYS:H	1:A:22:GLN:HG3	4	0.41
(1,5535)	1:A:23:LYS:H	1:A:24:TYR:HB3	4	0.41
(1,4858)	1:B:23:LYS:HB2	1:B:23:LYS:HE2	1	0.41
(1,4858)	1:B:23:LYS:HB2	1:B:23:LYS:HE3	1	0.41
(1,4858)	1:B:23:LYS:HB3	1:B:23:LYS:HE2	1	0.41
(1,4858)	1:B:23:LYS:HB3	1:B:23:LYS:HE3	1	0.41
(1,4857)	1:A:23:LYS:HB2	1:A:23:LYS:HE2	1	0.41
(1,4857)	1:A:23:LYS:HB2	1:A:23:LYS:HE3	1	0.41
(1,4857)	1:A:23:LYS:HB3	1:A:23:LYS:HE2	1	0.41
(1,4857)	1:A:23:LYS:HB3	1:A:23:LYS:HE3	1	0.41
(1,4857)	1:A:23:LYS:HB2	1:A:23:LYS:HE2	2	0.41
(1,4857)	1:A:23:LYS:HB2	1:A:23:LYS:HE3	2	0.41
(1,4857)	1:A:23:LYS:HB3	1:A:23:LYS:HE2	2	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4857)	1:A:23:LYS:HB3	1:A:23:LYS:HE3	2	0.41
(1,476)	1:B:67:LEU:HB3	1:B:75:LEU:HB2	7	0.41
(1,476)	1:B:67:LEU:HB3	1:B:75:LEU:HB2	15	0.41
(1,475)	1:A:67:LEU:HB3	1:A:75:LEU:HB2	7	0.41
(1,475)	1:A:67:LEU:HB3	1:A:75:LEU:HB2	15	0.41
(1,4618)	1:B:68:ASP:HA	1:B:74:GLN:HB3	3	0.41
(1,4618)	1:B:74:GLN:HB3	1:B:72:ASP:HA	3	0.41
(1,4618)	1:B:68:ASP:HA	1:B:74:GLN:HB3	10	0.41
(1,4618)	1:B:74:GLN:HB3	1:B:72:ASP:HA	10	0.41
(1,4617)	1:A:68:ASP:HA	1:A:74:GLN:HB3	3	0.41
(1,4617)	1:A:74:GLN:HB3	1:A:72:ASP:HA	3	0.41
(1,4617)	1:A:68:ASP:HA	1:A:74:GLN:HB3	10	0.41
(1,4617)	1:A:74:GLN:HB3	1:A:72:ASP:HA	10	0.41
(1,4438)	1:B:22:GLN:HG2	1:B:25:ALA:HB2	7	0.41
(1,4438)	1:B:22:GLN:HG2	1:B:25:ALA:HB1	7	0.41
(1,4438)	1:B:22:GLN:HG2	1:B:25:ALA:HB3	7	0.41
(1,4438)	1:B:22:GLN:HG3	1:B:25:ALA:HB2	7	0.41
(1,4438)	1:B:22:GLN:HG3	1:B:25:ALA:HB1	7	0.41
(1,4438)	1:B:22:GLN:HG3	1:B:25:ALA:HB3	7	0.41
(1,4438)	1:B:25:ALA:HB2	1:B:24:TYR:HB3	7	0.41
(1,4438)	1:B:25:ALA:HB1	1:B:24:TYR:HB3	7	0.41
(1,4438)	1:B:25:ALA:HB3	1:B:24:TYR:HB3	7	0.41
(1,4437)	1:A:22:GLN:HG2	1:A:25:ALA:HB2	7	0.41
(1,4437)	1:A:22:GLN:HG2	1:A:25:ALA:HB1	7	0.41
(1,4437)	1:A:22:GLN:HG2	1:A:25:ALA:HB3	7	0.41
(1,4437)	1:A:22:GLN:HG3	1:A:25:ALA:HB2	7	0.41
(1,4437)	1:A:22:GLN:HG3	1:A:25:ALA:HB1	7	0.41
(1,4437)	1:A:22:GLN:HG3	1:A:25:ALA:HB3	7	0.41
(1,4437)	1:A:25:ALA:HB2	1:A:24:TYR:HB3	7	0.41
(1,4437)	1:A:25:ALA:HB1	1:A:24:TYR:HB3	7	0.41
(1,4437)	1:A:25:ALA:HB3	1:A:24:TYR:HB3	7	0.41
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD22	16	0.41
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD21	16	0.41
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD23	16	0.41
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD22	16	0.41
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD21	16	0.41
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD23	16	0.41
(1,4272)	1:B:82:ASN:HA	1:B:83:LEU:HA	15	0.41
(1,4272)	1:B:82:ASN:HA	1:B:85:GLY:HA2	15	0.41
(1,4272)	1:B:82:ASN:HA	1:B:83:LEU:HA	20	0.41
(1,4272)	1:B:82:ASN:HA	1:B:85:GLY:HA2	20	0.41
(1,4271)	1:A:82:ASN:HA	1:A:83:LEU:HA	15	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4271)	1:A:82:ASN:HA	1:A:85:GLY:HA2	15	0.41
(1,4271)	1:A:82:ASN:HA	1:A:83:LEU:HA	20	0.41
(1,4271)	1:A:82:ASN:HA	1:A:85:GLY:HA2	20	0.41
(1,4229)	1:A:11:GLU:HB2	1:A:13:CYS:HB3	19	0.41
(1,4229)	1:A:11:GLU:HB3	1:A:13:CYS:HB3	19	0.41
(1,4229)	1:A:12:ARG:HB2	1:A:13:CYS:HB3	19	0.41
(1,4229)	1:A:12:ARG:HB3	1:A:13:CYS:HB3	19	0.41
(1,4229)	1:A:14:ILE:HB	1:A:13:CYS:HB3	19	0.41
(1,4229)	1:A:91:CYS:HB2	1:B:14:ILE:HB	19	0.41
(1,4229)	1:A:91:CYS:HB3	1:B:14:ILE:HB	19	0.41
(1,4023)	1:A:83:LEU:HB3	1:A:66:LYS:HE2	2	0.41
(1,4023)	1:A:83:LEU:HB3	1:A:66:LYS:HE3	2	0.41
(1,4023)	1:A:83:LEU:HB3	1:A:82:ASN:HB2	2	0.41
(1,4012)	1:B:81:LEU:HD22	1:A:89:MET:HG3	9	0.41
(1,4012)	1:B:81:LEU:HD21	1:A:89:MET:HG3	9	0.41
(1,4012)	1:B:81:LEU:HD23	1:A:89:MET:HG3	9	0.41
(1,4012)	1:B:81:LEU:HD22	1:B:21:PHE:HB3	9	0.41
(1,4012)	1:B:81:LEU:HD21	1:B:21:PHE:HB3	9	0.41
(1,4012)	1:B:81:LEU:HD23	1:B:21:PHE:HB3	9	0.41
(1,4011)	1:A:81:LEU:HD22	1:B:89:MET:HG3	9	0.41
(1,4011)	1:A:81:LEU:HD21	1:B:89:MET:HG3	9	0.41
(1,4011)	1:A:81:LEU:HD23	1:B:89:MET:HG3	9	0.41
(1,4011)	1:A:81:LEU:HD22	1:A:21:PHE:HB3	9	0.41
(1,4011)	1:A:81:LEU:HD21	1:A:21:PHE:HB3	9	0.41
(1,4011)	1:A:81:LEU:HD23	1:A:21:PHE:HB3	9	0.41
(1,3960)	1:B:99:VAL:HG12	1:B:100:PRO:HD2	5	0.41
(1,3960)	1:B:99:VAL:HG11	1:B:100:PRO:HD2	5	0.41
(1,3960)	1:B:99:VAL:HG13	1:B:100:PRO:HD2	5	0.41
(1,3960)	1:B:99:VAL:HG12	1:B:101:SER:HB2	5	0.41
(1,3960)	1:B:99:VAL:HG12	1:B:101:SER:HB3	5	0.41
(1,3960)	1:B:99:VAL:HG11	1:B:101:SER:HB2	5	0.41
(1,3960)	1:B:99:VAL:HG11	1:B:101:SER:HB3	5	0.41
(1,3960)	1:B:99:VAL:HG13	1:B:101:SER:HB2	5	0.41
(1,3960)	1:B:99:VAL:HG13	1:B:101:SER:HB3	5	0.41
(1,3959)	1:A:99:VAL:HG12	1:A:100:PRO:HD2	5	0.41
(1,3959)	1:A:99:VAL:HG11	1:A:100:PRO:HD2	5	0.41
(1,3959)	1:A:99:VAL:HG13	1:A:100:PRO:HD2	5	0.41
(1,3959)	1:A:99:VAL:HG12	1:A:101:SER:HB2	5	0.41
(1,3959)	1:A:99:VAL:HG12	1:A:101:SER:HB3	5	0.41
(1,3959)	1:A:99:VAL:HG11	1:A:101:SER:HB2	5	0.41
(1,3959)	1:A:99:VAL:HG11	1:A:101:SER:HB3	5	0.41
(1,3959)	1:A:99:VAL:HG13	1:A:101:SER:HB2	5	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3959)	1:A:99:VAL:HG13	1:A:101:SER:HB3	5	0.41
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD12	4	0.41
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD11	4	0.41
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD13	4	0.41
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD12	4	0.41
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD11	4	0.41
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD13	4	0.41
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD12	4	0.41
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD11	4	0.41
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD13	4	0.41
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD12	4	0.41
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD11	4	0.41
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD13	4	0.41
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD12	4	0.41
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD11	4	0.41
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD13	4	0.41
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD12	4	0.41
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD11	4	0.41
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD13	4	0.41
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD22	4	0.41
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD21	4	0.41
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD23	4	0.41
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD12	12	0.41
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD11	12	0.41
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD13	12	0.41
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD12	12	0.41
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD11	12	0.41
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD13	12	0.41
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD12	12	0.41
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD11	12	0.41
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD13	12	0.41
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD12	12	0.41
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD11	12	0.41
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD13	12	0.41
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD12	12	0.41
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD11	12	0.41
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD13	12	0.41
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD12	12	0.41
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD11	12	0.41
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD13	12	0.41
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD22	12	0.41
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD21	12	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD23	12	0.41
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD12	18	0.41
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD11	18	0.41
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD13	18	0.41
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD12	18	0.41
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD11	18	0.41
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD13	18	0.41
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD12	18	0.41
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD11	18	0.41
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD13	18	0.41
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD12	18	0.41
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD11	18	0.41
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD13	18	0.41
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD12	18	0.41
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD11	18	0.41
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD13	18	0.41
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD12	18	0.41
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD11	18	0.41
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD13	18	0.41
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD22	18	0.41
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD21	18	0.41
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD23	18	0.41
(1,3850)	1:B:34:LEU:HB2	1:B:39:PHE:HB2	12	0.41
(1,3850)	1:B:39:PHE:HB2	1:B:36:LYS:HB2	12	0.41
(1,3850)	1:B:39:PHE:HB2	1:B:36:LYS:HB3	12	0.41
(1,3850)	1:B:39:PHE:HB2	1:B:40:LEU:HG	12	0.41
(1,3850)	1:B:39:PHE:HB2	1:B:64:MET:HB2	12	0.41
(1,3849)	1:A:34:LEU:HB2	1:A:39:PHE:HB2	12	0.41
(1,3849)	1:A:39:PHE:HB2	1:A:36:LYS:HB2	12	0.41
(1,3849)	1:A:39:PHE:HB2	1:A:36:LYS:HB3	12	0.41
(1,3849)	1:A:39:PHE:HB2	1:A:40:LEU:HG	12	0.41
(1,3849)	1:A:39:PHE:HB2	1:A:64:MET:HB2	12	0.41
(1,3838)	1:B:33:THR:HA	1:B:34:LEU:HG	15	0.41
(1,3838)	1:B:75:LEU:HB3	1:B:33:THR:HA	15	0.41
(1,3837)	1:A:33:THR:HA	1:A:34:LEU:HG	15	0.41
(1,3837)	1:A:75:LEU:HB3	1:A:33:THR:HA	15	0.41
(1,3778)	1:B:57:PRO:HA	1:B:61:ASP:HB3	9	0.41
(1,3778)	1:B:57:PRO:HA	1:B:63:MET:HG3	9	0.41
(1,3777)	1:A:57:PRO:HA	1:A:61:ASP:HB3	9	0.41
(1,3777)	1:A:57:PRO:HA	1:A:63:MET:HG3	9	0.41
(1,3762)	1:B:58:GLY:HA3	1:B:60:LEU:HG	13	0.41
(1,3762)	1:B:58:GLY:HA3	1:B:62:ARG:HG2	13	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3762)	1:B:58:GLY:HA3	1:B:60:LEU:HG	18	0.41
(1,3762)	1:B:58:GLY:HA3	1:B:62:ARG:HG2	18	0.41
(1,3761)	1:A:58:GLY:HA3	1:A:60:LEU:HG	18	0.41
(1,3761)	1:A:58:GLY:HA3	1:A:62:ARG:HG2	18	0.41
(1,3625)	1:A:34:LEU:HA	1:A:24:TYR:HB2	3	0.41
(1,3625)	1:A:34:LEU:HA	1:A:27:LYS:HE2	3	0.41
(1,3625)	1:A:34:LEU:HA	1:A:27:LYS:HE3	3	0.41
(1,356)	1:B:60:LEU:HB2	1:B:61:ASP:HB3	3	0.41
(1,356)	1:B:60:LEU:HB2	1:B:61:ASP:HB3	14	0.41
(1,355)	1:A:60:LEU:HB2	1:A:61:ASP:HB3	3	0.41
(1,355)	1:A:60:LEU:HB2	1:A:61:ASP:HB3	14	0.41
(1,3538)	1:B:39:PHE:HB3	1:B:34:LEU:HA	18	0.41
(1,3538)	1:B:34:LEU:HA	1:B:80:PHE:HB2	18	0.41
(1,3537)	1:A:39:PHE:HB3	1:A:34:LEU:HA	18	0.41
(1,3537)	1:A:34:LEU:HA	1:A:80:PHE:HB2	18	0.41
(1,3490)	1:B:13:CYS:HB2	1:B:81:LEU:HD22	11	0.41
(1,3490)	1:B:13:CYS:HB2	1:B:81:LEU:HD21	11	0.41
(1,3490)	1:B:13:CYS:HB2	1:B:81:LEU:HD23	11	0.41
(1,3490)	1:B:13:CYS:HB2	1:A:81:LEU:HD22	11	0.41
(1,3490)	1:B:13:CYS:HB2	1:A:81:LEU:HD21	11	0.41
(1,3490)	1:B:13:CYS:HB2	1:A:81:LEU:HD23	11	0.41
(1,3490)	1:B:13:CYS:HB2	1:B:81:LEU:HD22	19	0.41
(1,3490)	1:B:13:CYS:HB2	1:B:81:LEU:HD21	19	0.41
(1,3490)	1:B:13:CYS:HB2	1:B:81:LEU:HD23	19	0.41
(1,3490)	1:B:13:CYS:HB2	1:A:81:LEU:HD22	19	0.41
(1,3490)	1:B:13:CYS:HB2	1:A:81:LEU:HD21	19	0.41
(1,3490)	1:B:13:CYS:HB2	1:A:81:LEU:HD23	19	0.41
(1,2775)	1:A:50:PHE:H	1:A:47:LEU:HB2	6	0.41
(1,252)	1:B:76:ASP:HB2	1:B:77:PHE:HB2	19	0.41
(1,251)	1:A:76:ASP:HB2	1:A:77:PHE:HB2	19	0.41
(1,1637)	1:A:38:GLU:HA	1:A:27:LYS:HD2	12	0.41
(1,1637)	1:A:38:GLU:HA	1:A:27:LYS:HD3	12	0.41
(1,692)	1:B:15:GLU:HG2	1:B:16:SER:H	1	0.4
(1,692)	1:B:15:GLU:HG2	1:B:16:SER:H	18	0.4
(1,692)	1:B:15:GLU:HG2	1:B:16:SER:H	19	0.4
(1,691)	1:A:15:GLU:HG2	1:A:16:SER:H	1	0.4
(1,691)	1:A:15:GLU:HG2	1:A:16:SER:H	18	0.4
(1,691)	1:A:15:GLU:HG2	1:A:16:SER:H	19	0.4
(1,650)	1:B:15:GLU:HG2	1:B:16:SER:H	12	0.4
(1,649)	1:A:15:GLU:HG2	1:A:16:SER:H	12	0.4
(1,5675)	1:A:61:ASP:H	1:A:60:LEU:HG	6	0.4
(1,5675)	1:A:61:ASP:H	1:A:62:ARG:HB3	6	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5675)	1:A:61:ASP:H	1:A:62:ARG:HG2	6	0.4
(1,5536)	1:B:23:LYS:H	1:B:20:VAL:HB	12	0.4
(1,5536)	1:B:23:LYS:H	1:B:22:GLN:HG2	12	0.4
(1,5536)	1:B:23:LYS:H	1:B:22:GLN:HG3	12	0.4
(1,5536)	1:B:23:LYS:H	1:B:24:TYR:HB3	12	0.4
(1,5535)	1:A:23:LYS:H	1:A:20:VAL:HB	12	0.4
(1,5535)	1:A:23:LYS:H	1:A:22:GLN:HG2	12	0.4
(1,5535)	1:A:23:LYS:H	1:A:22:GLN:HG3	12	0.4
(1,5535)	1:A:23:LYS:H	1:A:24:TYR:HB3	12	0.4
(1,5535)	1:A:23:LYS:H	1:A:20:VAL:HB	14	0.4
(1,5535)	1:A:23:LYS:H	1:A:22:GLN:HG2	14	0.4
(1,5535)	1:A:23:LYS:H	1:A:22:GLN:HG3	14	0.4
(1,5535)	1:A:23:LYS:H	1:A:24:TYR:HB3	14	0.4
(1,5300)	1:B:26:GLY:H	1:B:23:LYS:HD2	6	0.4
(1,5300)	1:B:26:GLY:H	1:B:23:LYS:HD3	6	0.4
(1,5300)	1:B:26:GLY:H	1:B:34:LEU:HB3	6	0.4
(1,5299)	1:A:26:GLY:H	1:A:23:LYS:HD2	6	0.4
(1,5299)	1:A:26:GLY:H	1:A:23:LYS:HD3	6	0.4
(1,5299)	1:A:26:GLY:H	1:A:34:LEU:HB3	6	0.4
(1,5298)	1:B:26:GLY:H	1:B:23:LYS:HD2	6	0.4
(1,5298)	1:B:26:GLY:H	1:B:23:LYS:HD3	6	0.4
(1,5298)	1:B:26:GLY:H	1:B:34:LEU:HB3	6	0.4
(1,5297)	1:A:26:GLY:H	1:A:23:LYS:HD2	6	0.4
(1,5297)	1:A:26:GLY:H	1:A:23:LYS:HD3	6	0.4
(1,5297)	1:A:26:GLY:H	1:A:34:LEU:HB3	6	0.4
(1,4920)	1:B:52:LYS:HA	1:B:43:MET:HB2	4	0.4
(1,4920)	1:B:52:LYS:HA	1:B:43:MET:HB3	4	0.4
(1,4920)	1:B:52:LYS:HA	1:B:47:LEU:HB3	4	0.4
(1,4920)	1:B:71:SER:HA	1:B:36:LYS:HD2	4	0.4
(1,4920)	1:B:71:SER:HA	1:B:36:LYS:HD3	4	0.4
(1,4920)	1:B:71:SER:HA	1:B:67:LEU:HB2	4	0.4
(1,4920)	1:B:71:SER:HA	1:B:74:GLN:HB3	4	0.4
(1,4919)	1:A:52:LYS:HA	1:A:43:MET:HB2	4	0.4
(1,4919)	1:A:52:LYS:HA	1:A:43:MET:HB3	4	0.4
(1,4919)	1:A:52:LYS:HA	1:A:47:LEU:HB3	4	0.4
(1,4919)	1:A:71:SER:HA	1:A:36:LYS:HD2	4	0.4
(1,4919)	1:A:71:SER:HA	1:A:36:LYS:HD3	4	0.4
(1,4919)	1:A:71:SER:HA	1:A:67:LEU:HB2	4	0.4
(1,4919)	1:A:71:SER:HA	1:A:74:GLN:HB3	4	0.4
(1,4858)	1:B:23:LYS:HB2	1:B:23:LYS:HE2	2	0.4
(1,4858)	1:B:23:LYS:HB2	1:B:23:LYS:HE3	2	0.4
(1,4858)	1:B:23:LYS:HB3	1:B:23:LYS:HE2	2	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4858)	1:B:23:LYS:HB3	1:B:23:LYS:HE3	2	0.4
(1,4818)	1:B:62:ARG:HB3	1:B:59:VAL:HA	10	0.4
(1,4818)	1:B:59:VAL:HA	1:B:62:ARG:HG2	10	0.4
(1,4817)	1:A:62:ARG:HB3	1:A:59:VAL:HA	10	0.4
(1,4817)	1:A:59:VAL:HA	1:A:62:ARG:HG2	10	0.4
(1,4618)	1:B:68:ASP:HA	1:B:74:GLN:HB3	1	0.4
(1,4618)	1:B:74:GLN:HB3	1:B:72:ASP:HA	1	0.4
(1,4618)	1:B:68:ASP:HA	1:B:74:GLN:HB3	2	0.4
(1,4618)	1:B:74:GLN:HB3	1:B:72:ASP:HA	2	0.4
(1,4617)	1:A:68:ASP:HA	1:A:74:GLN:HB3	1	0.4
(1,4617)	1:A:74:GLN:HB3	1:A:72:ASP:HA	1	0.4
(1,4617)	1:A:68:ASP:HA	1:A:74:GLN:HB3	2	0.4
(1,4617)	1:A:74:GLN:HB3	1:A:72:ASP:HA	2	0.4
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD22	16	0.4
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD21	16	0.4
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD23	16	0.4
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD22	16	0.4
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD21	16	0.4
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD23	16	0.4
(1,4230)	1:B:11:GLU:HB2	1:B:13:CYS:HB3	5	0.4
(1,4230)	1:B:11:GLU:HB3	1:B:13:CYS:HB3	5	0.4
(1,4230)	1:B:12:ARG:HB2	1:B:13:CYS:HB3	5	0.4
(1,4230)	1:B:12:ARG:HB3	1:B:13:CYS:HB3	5	0.4
(1,4230)	1:B:14:ILE:HB	1:B:13:CYS:HB3	5	0.4
(1,4230)	1:B:91:CYS:HB2	1:A:14:ILE:HB	5	0.4
(1,4230)	1:B:91:CYS:HB3	1:A:14:ILE:HB	5	0.4
(1,4230)	1:B:11:GLU:HB2	1:B:13:CYS:HB3	19	0.4
(1,4230)	1:B:11:GLU:HB3	1:B:13:CYS:HB3	19	0.4
(1,4230)	1:B:12:ARG:HB2	1:B:13:CYS:HB3	19	0.4
(1,4230)	1:B:12:ARG:HB3	1:B:13:CYS:HB3	19	0.4
(1,4230)	1:B:14:ILE:HB	1:B:13:CYS:HB3	19	0.4
(1,4230)	1:B:91:CYS:HB2	1:A:14:ILE:HB	19	0.4
(1,4230)	1:B:91:CYS:HB3	1:A:14:ILE:HB	19	0.4
(1,4229)	1:A:11:GLU:HB2	1:A:13:CYS:HB3	3	0.4
(1,4229)	1:A:11:GLU:HB3	1:A:13:CYS:HB3	3	0.4
(1,4229)	1:A:12:ARG:HB2	1:A:13:CYS:HB3	3	0.4
(1,4229)	1:A:12:ARG:HB3	1:A:13:CYS:HB3	3	0.4
(1,4229)	1:A:14:ILE:HB	1:A:13:CYS:HB3	3	0.4
(1,4229)	1:A:91:CYS:HB2	1:B:14:ILE:HB	3	0.4
(1,4229)	1:A:91:CYS:HB3	1:B:14:ILE:HB	3	0.4
(1,4229)	1:A:11:GLU:HB2	1:A:13:CYS:HB3	5	0.4
(1,4229)	1:A:11:GLU:HB3	1:A:13:CYS:HB3	5	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4229)	1:A:12:ARG:HB2	1:A:13:CYS:HB3	5	0.4
(1,4229)	1:A:12:ARG:HB3	1:A:13:CYS:HB3	5	0.4
(1,4229)	1:A:14:ILE:HB	1:A:13:CYS:HB3	5	0.4
(1,4229)	1:A:91:CYS:HB2	1:B:14:ILE:HB	5	0.4
(1,4229)	1:A:91:CYS:HB3	1:B:14:ILE:HB	5	0.4
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD12	8	0.4
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD11	8	0.4
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD13	8	0.4
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD12	8	0.4
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD11	8	0.4
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD13	8	0.4
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD12	8	0.4
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD11	8	0.4
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD13	8	0.4
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD12	8	0.4
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD11	8	0.4
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD13	8	0.4
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD12	8	0.4
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD11	8	0.4
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD13	8	0.4
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD12	8	0.4
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD11	8	0.4
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD13	8	0.4
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD22	8	0.4
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD21	8	0.4
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD23	8	0.4
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD12	18	0.4
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD11	18	0.4
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD13	18	0.4
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD12	18	0.4
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD11	18	0.4
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD13	18	0.4
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD12	18	0.4
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD11	18	0.4
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD13	18	0.4
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD12	18	0.4
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD11	18	0.4
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD13	18	0.4
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD12	18	0.4
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD11	18	0.4
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD13	18	0.4
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD12	18	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD11	18	0.4
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD13	18	0.4
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD22	18	0.4
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD21	18	0.4
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD23	18	0.4
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD12	8	0.4
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD11	8	0.4
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD13	8	0.4
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD12	8	0.4
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD11	8	0.4
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD13	8	0.4
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD12	8	0.4
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD11	8	0.4
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD13	8	0.4
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD12	8	0.4
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD11	8	0.4
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD13	8	0.4
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD12	8	0.4
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD11	8	0.4
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD13	8	0.4
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD12	8	0.4
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD11	8	0.4
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD13	8	0.4
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD22	8	0.4
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD21	8	0.4
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD23	8	0.4
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD12	12	0.4
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD11	12	0.4
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD13	12	0.4
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD12	12	0.4
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD11	12	0.4
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD13	12	0.4
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD12	12	0.4
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD11	12	0.4
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD13	12	0.4
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD12	12	0.4
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD11	12	0.4
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD13	12	0.4
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD12	12	0.4
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD11	12	0.4
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD13	12	0.4
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD12	12	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD11	12	0.4
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD13	12	0.4
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD22	12	0.4
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD21	12	0.4
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD23	12	0.4
(1,3761)	1:A:58:GLY:HA3	1:A:60:LEU:HG	13	0.4
(1,3761)	1:A:58:GLY:HA3	1:A:62:ARG:HG2	13	0.4
(1,3626)	1:B:34:LEU:HA	1:B:24:TYR:HB2	3	0.4
(1,3626)	1:B:34:LEU:HA	1:B:27:LYS:HE2	3	0.4
(1,3626)	1:B:34:LEU:HA	1:B:27:LYS:HE3	3	0.4
(1,356)	1:B:60:LEU:HB2	1:B:61:ASP:HB3	15	0.4
(1,355)	1:A:60:LEU:HB2	1:A:61:ASP:HB3	15	0.4
(1,3530)	1:B:75:LEU:HB2	1:B:79:GLU:HA	19	0.4
(1,3530)	1:B:34:LEU:HB2	1:B:39:PHE:HA	19	0.4
(1,3529)	1:A:75:LEU:HB2	1:A:79:GLU:HA	19	0.4
(1,3529)	1:A:34:LEU:HB2	1:A:39:PHE:HA	19	0.4
(1,3490)	1:B:13:CYS:HB2	1:B:81:LEU:HD22	10	0.4
(1,3490)	1:B:13:CYS:HB2	1:B:81:LEU:HD21	10	0.4
(1,3490)	1:B:13:CYS:HB2	1:B:81:LEU:HD23	10	0.4
(1,3490)	1:B:13:CYS:HB2	1:A:81:LEU:HD22	10	0.4
(1,3490)	1:B:13:CYS:HB2	1:A:81:LEU:HD21	10	0.4
(1,3490)	1:B:13:CYS:HB2	1:A:81:LEU:HD23	10	0.4
(1,3489)	1:A:13:CYS:HB2	1:A:81:LEU:HD22	10	0.4
(1,3489)	1:A:13:CYS:HB2	1:A:81:LEU:HD21	10	0.4
(1,3489)	1:A:13:CYS:HB2	1:A:81:LEU:HD23	10	0.4
(1,3489)	1:A:13:CYS:HB2	1:B:81:LEU:HD22	10	0.4
(1,3489)	1:A:13:CYS:HB2	1:B:81:LEU:HD21	10	0.4
(1,3489)	1:A:13:CYS:HB2	1:B:81:LEU:HD23	10	0.4
(1,2776)	1:B:50:PHE:H	1:B:47:LEU:HB2	1	0.4
(1,2776)	1:B:50:PHE:H	1:B:47:LEU:HB2	3	0.4
(1,2776)	1:B:50:PHE:H	1:B:47:LEU:HB2	6	0.4
(1,2776)	1:B:50:PHE:H	1:B:47:LEU:HB2	19	0.4
(1,2775)	1:A:50:PHE:H	1:A:47:LEU:HB2	1	0.4
(1,2775)	1:A:50:PHE:H	1:A:47:LEU:HB2	3	0.4
(1,2775)	1:A:50:PHE:H	1:A:47:LEU:HB2	19	0.4
(1,2768)	1:B:80:PHE:H	1:B:75:LEU:HB2	20	0.4
(1,2767)	1:A:80:PHE:H	1:A:75:LEU:HB2	20	0.4
(1,2110)	1:B:33:THR:HG21	1:B:76:ASP:HB3	4	0.4
(1,2110)	1:B:33:THR:HG22	1:B:76:ASP:HB3	4	0.4
(1,2110)	1:B:33:THR:HG23	1:B:76:ASP:HB3	4	0.4
(1,210)	1:B:76:ASP:HA	1:B:34:LEU:HB3	15	0.4
(1,209)	1:A:76:ASP:HA	1:A:34:LEU:HB3	15	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1638)	1:B:38:GLU:HA	1:B:27:LYS:HD2	12	0.4
(1,1638)	1:B:38:GLU:HA	1:B:27:LYS:HD3	12	0.4
(1,146)	1:B:78:SER:HB2	1:B:81:LEU:HB3	17	0.4
(1,146)	1:B:78:SER:HB3	1:B:81:LEU:HB3	17	0.4
(1,1238)	1:B:62:ARG:HB3	1:B:59:VAL:HA	8	0.4
(1,1237)	1:A:62:ARG:HB3	1:A:59:VAL:HA	8	0.4
(1,1029)	1:A:38:GLU:HB3	1:A:24:TYR:HB2	1	0.4
(1,884)	1:B:34:LEU:HB3	1:B:80:PHE:HB2	1	0.39
(1,883)	1:A:34:LEU:HB3	1:A:80:PHE:HB2	1	0.39
(1,692)	1:B:15:GLU:HG2	1:B:16:SER:H	3	0.39
(1,650)	1:B:15:GLU:HG2	1:B:16:SER:H	16	0.39
(1,649)	1:A:15:GLU:HG2	1:A:16:SER:H	16	0.39
(1,5676)	1:B:61:ASP:H	1:B:60:LEU:HG	1	0.39
(1,5676)	1:B:61:ASP:H	1:B:62:ARG:HB3	1	0.39
(1,5676)	1:B:61:ASP:H	1:B:62:ARG:HG2	1	0.39
(1,5536)	1:B:23:LYS:H	1:B:20:VAL:HB	2	0.39
(1,5536)	1:B:23:LYS:H	1:B:22:GLN:HG2	2	0.39
(1,5536)	1:B:23:LYS:H	1:B:22:GLN:HG3	2	0.39
(1,5536)	1:B:23:LYS:H	1:B:24:TYR:HB3	2	0.39
(1,5536)	1:B:23:LYS:H	1:B:20:VAL:HB	8	0.39
(1,5536)	1:B:23:LYS:H	1:B:22:GLN:HG2	8	0.39
(1,5536)	1:B:23:LYS:H	1:B:22:GLN:HG3	8	0.39
(1,5536)	1:B:23:LYS:H	1:B:24:TYR:HB3	8	0.39
(1,5535)	1:A:23:LYS:H	1:A:20:VAL:HB	2	0.39
(1,5535)	1:A:23:LYS:H	1:A:22:GLN:HG2	2	0.39
(1,5535)	1:A:23:LYS:H	1:A:22:GLN:HG3	2	0.39
(1,5535)	1:A:23:LYS:H	1:A:24:TYR:HB3	2	0.39
(1,5535)	1:A:23:LYS:H	1:A:20:VAL:HB	8	0.39
(1,5535)	1:A:23:LYS:H	1:A:22:GLN:HG2	8	0.39
(1,5535)	1:A:23:LYS:H	1:A:22:GLN:HG3	8	0.39
(1,5535)	1:A:23:LYS:H	1:A:24:TYR:HB3	8	0.39
(1,5535)	1:A:23:LYS:H	1:A:20:VAL:HB	11	0.39
(1,5535)	1:A:23:LYS:H	1:A:22:GLN:HG2	11	0.39
(1,5535)	1:A:23:LYS:H	1:A:22:GLN:HG3	11	0.39
(1,5535)	1:A:23:LYS:H	1:A:24:TYR:HB3	11	0.39
(1,5462)	1:B:45:THR:H	1:B:46:GLU:HB3	6	0.39
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG21	6	0.39
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG22	6	0.39
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG23	6	0.39
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD12	6	0.39
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD11	6	0.39
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD13	6	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5461)	1:A:45:THR:H	1:A:46:GLU:HB3	6	0.39
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG21	6	0.39
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG22	6	0.39
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG23	6	0.39
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD12	6	0.39
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD11	6	0.39
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD13	6	0.39
(1,5300)	1:B:26:GLY:H	1:B:23:LYS:HD2	8	0.39
(1,5300)	1:B:26:GLY:H	1:B:23:LYS:HD3	8	0.39
(1,5300)	1:B:26:GLY:H	1:B:34:LEU:HB3	8	0.39
(1,5300)	1:B:26:GLY:H	1:B:23:LYS:HD2	9	0.39
(1,5300)	1:B:26:GLY:H	1:B:23:LYS:HD3	9	0.39
(1,5300)	1:B:26:GLY:H	1:B:34:LEU:HB3	9	0.39
(1,5299)	1:A:26:GLY:H	1:A:23:LYS:HD2	8	0.39
(1,5299)	1:A:26:GLY:H	1:A:23:LYS:HD3	8	0.39
(1,5299)	1:A:26:GLY:H	1:A:34:LEU:HB3	8	0.39
(1,5299)	1:A:26:GLY:H	1:A:23:LYS:HD2	9	0.39
(1,5299)	1:A:26:GLY:H	1:A:23:LYS:HD3	9	0.39
(1,5299)	1:A:26:GLY:H	1:A:34:LEU:HB3	9	0.39
(1,5298)	1:B:26:GLY:H	1:B:23:LYS:HD2	8	0.39
(1,5298)	1:B:26:GLY:H	1:B:23:LYS:HD3	8	0.39
(1,5298)	1:B:26:GLY:H	1:B:34:LEU:HB3	8	0.39
(1,5298)	1:B:26:GLY:H	1:B:23:LYS:HD2	9	0.39
(1,5298)	1:B:26:GLY:H	1:B:23:LYS:HD3	9	0.39
(1,5298)	1:B:26:GLY:H	1:B:34:LEU:HB3	9	0.39
(1,5297)	1:A:26:GLY:H	1:A:23:LYS:HD2	8	0.39
(1,5297)	1:A:26:GLY:H	1:A:23:LYS:HD3	8	0.39
(1,5297)	1:A:26:GLY:H	1:A:34:LEU:HB3	8	0.39
(1,5297)	1:A:26:GLY:H	1:A:23:LYS:HD2	9	0.39
(1,5297)	1:A:26:GLY:H	1:A:23:LYS:HD3	9	0.39
(1,5297)	1:A:26:GLY:H	1:A:34:LEU:HB3	9	0.39
(1,4858)	1:B:23:LYS:HB2	1:B:23:LYS:HE2	8	0.39
(1,4858)	1:B:23:LYS:HB2	1:B:23:LYS:HE3	8	0.39
(1,4858)	1:B:23:LYS:HB3	1:B:23:LYS:HE2	8	0.39
(1,4858)	1:B:23:LYS:HB3	1:B:23:LYS:HE3	8	0.39
(1,4857)	1:A:23:LYS:HB2	1:A:23:LYS:HE2	8	0.39
(1,4857)	1:A:23:LYS:HB2	1:A:23:LYS:HE3	8	0.39
(1,4857)	1:A:23:LYS:HB3	1:A:23:LYS:HE2	8	0.39
(1,4857)	1:A:23:LYS:HB3	1:A:23:LYS:HE3	8	0.39
(1,4840)	1:B:68:ASP:HB2	1:B:39:PHE:HB3	5	0.39
(1,4840)	1:B:68:ASP:HB2	1:B:72:ASP:HB2	5	0.39
(1,4840)	1:B:80:PHE:HB3	1:B:39:PHE:HB3	5	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4818)	1:B:62:ARG:HB3	1:B:59:VAL:HA	19	0.39
(1,4818)	1:B:59:VAL:HA	1:B:62:ARG:HG2	19	0.39
(1,4817)	1:A:62:ARG:HB3	1:A:59:VAL:HA	19	0.39
(1,4817)	1:A:59:VAL:HA	1:A:62:ARG:HG2	19	0.39
(1,4438)	1:B:22:GLN:HG2	1:B:25:ALA:HB2	3	0.39
(1,4438)	1:B:22:GLN:HG2	1:B:25:ALA:HB1	3	0.39
(1,4438)	1:B:22:GLN:HG2	1:B:25:ALA:HB3	3	0.39
(1,4438)	1:B:22:GLN:HG3	1:B:25:ALA:HB2	3	0.39
(1,4438)	1:B:22:GLN:HG3	1:B:25:ALA:HB1	3	0.39
(1,4438)	1:B:22:GLN:HG3	1:B:25:ALA:HB3	3	0.39
(1,4438)	1:B:25:ALA:HB2	1:B:24:TYR:HB3	3	0.39
(1,4438)	1:B:25:ALA:HB1	1:B:24:TYR:HB3	3	0.39
(1,4438)	1:B:25:ALA:HB3	1:B:24:TYR:HB3	3	0.39
(1,4437)	1:A:22:GLN:HG2	1:A:25:ALA:HB2	3	0.39
(1,4437)	1:A:22:GLN:HG2	1:A:25:ALA:HB1	3	0.39
(1,4437)	1:A:22:GLN:HG2	1:A:25:ALA:HB3	3	0.39
(1,4437)	1:A:22:GLN:HG3	1:A:25:ALA:HB2	3	0.39
(1,4437)	1:A:22:GLN:HG3	1:A:25:ALA:HB1	3	0.39
(1,4437)	1:A:22:GLN:HG3	1:A:25:ALA:HB3	3	0.39
(1,4437)	1:A:25:ALA:HB2	1:A:24:TYR:HB3	3	0.39
(1,4437)	1:A:25:ALA:HB1	1:A:24:TYR:HB3	3	0.39
(1,4437)	1:A:25:ALA:HB3	1:A:24:TYR:HB3	3	0.39
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD22	15	0.39
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD21	15	0.39
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD23	15	0.39
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD22	15	0.39
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD21	15	0.39
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD23	15	0.39
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD22	15	0.39
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD21	15	0.39
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD23	15	0.39
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD22	15	0.39
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD21	15	0.39
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD23	15	0.39
(1,4230)	1:B:11:GLU:HB2	1:B:13:CYS:HB3	3	0.39
(1,4230)	1:B:11:GLU:HB3	1:B:13:CYS:HB3	3	0.39
(1,4230)	1:B:12:ARG:HB2	1:B:13:CYS:HB3	3	0.39
(1,4230)	1:B:12:ARG:HB3	1:B:13:CYS:HB3	3	0.39
(1,4230)	1:B:14:ILE:HB	1:B:13:CYS:HB3	3	0.39
(1,4230)	1:B:91:CYS:HB2	1:A:14:ILE:HB	3	0.39
(1,4230)	1:B:91:CYS:HB3	1:A:14:ILE:HB	3	0.39
(1,4048)	1:B:52:LYS:HB2	1:B:53:ASN:HB3	18	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4048)	1:B:52:LYS:HB3	1:B:53:ASN:HB3	18	0.39
(1,4048)	1:B:74:GLN:HB2	1:B:76:ASP:HB3	18	0.39
(1,4047)	1:A:52:LYS:HB2	1:A:53:ASN:HB3	18	0.39
(1,4047)	1:A:52:LYS:HB3	1:A:53:ASN:HB3	18	0.39
(1,4047)	1:A:74:GLN:HB2	1:A:76:ASP:HB3	18	0.39
(1,4024)	1:B:83:LEU:HB3	1:B:66:LYS:HE2	18	0.39
(1,4024)	1:B:83:LEU:HB3	1:B:66:LYS:HE3	18	0.39
(1,4024)	1:B:83:LEU:HB3	1:B:82:ASN:HB2	18	0.39
(1,4023)	1:A:83:LEU:HB3	1:A:66:LYS:HE2	18	0.39
(1,4023)	1:A:83:LEU:HB3	1:A:66:LYS:HE3	18	0.39
(1,4023)	1:A:83:LEU:HB3	1:A:82:ASN:HB2	18	0.39
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD12	2	0.39
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD11	2	0.39
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD13	2	0.39
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD12	2	0.39
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD11	2	0.39
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD13	2	0.39
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD12	2	0.39
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD11	2	0.39
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD13	2	0.39
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD12	2	0.39
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD11	2	0.39
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD13	2	0.39
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD12	2	0.39
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD11	2	0.39
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD13	2	0.39
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD12	2	0.39
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD11	2	0.39
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD13	2	0.39
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD22	2	0.39
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD21	2	0.39
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD23	2	0.39
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD12	2	0.39
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD11	2	0.39
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD13	2	0.39
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD12	2	0.39
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD11	2	0.39
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD13	2	0.39
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD12	2	0.39
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD11	2	0.39
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD13	2	0.39
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD12	2	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD11	2	0.39
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD13	2	0.39
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD12	2	0.39
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD11	2	0.39
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD13	2	0.39
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD12	2	0.39
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD11	2	0.39
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD13	2	0.39
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD22	2	0.39
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD21	2	0.39
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD23	2	0.39
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD12	17	0.39
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD11	17	0.39
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD13	17	0.39
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD12	17	0.39
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD11	17	0.39
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD13	17	0.39
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD12	17	0.39
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD11	17	0.39
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD13	17	0.39
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD12	17	0.39
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD11	17	0.39
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD13	17	0.39
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD12	17	0.39
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD11	17	0.39
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD13	17	0.39
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD12	17	0.39
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD11	17	0.39
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD13	17	0.39
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD22	17	0.39
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD21	17	0.39
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD23	17	0.39
(1,3838)	1:B:33:THR:HA	1:B:34:LEU:HG	5	0.39
(1,3838)	1:B:75:LEU:HB3	1:B:33:THR:HA	5	0.39
(1,3838)	1:B:33:THR:HA	1:B:34:LEU:HG	14	0.39
(1,3838)	1:B:75:LEU:HB3	1:B:33:THR:HA	14	0.39
(1,3838)	1:B:33:THR:HA	1:B:34:LEU:HG	16	0.39
(1,3838)	1:B:75:LEU:HB3	1:B:33:THR:HA	16	0.39
(1,3837)	1:A:33:THR:HA	1:A:34:LEU:HG	5	0.39
(1,3837)	1:A:75:LEU:HB3	1:A:33:THR:HA	5	0.39
(1,3837)	1:A:33:THR:HA	1:A:34:LEU:HG	14	0.39
(1,3837)	1:A:75:LEU:HB3	1:A:33:THR:HA	14	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3837)	1:A:33:THR:HA	1:A:34:LEU:HG	16	0.39
(1,3837)	1:A:75:LEU:HB3	1:A:33:THR:HA	16	0.39
(1,3762)	1:B:58:GLY:HA3	1:B:60:LEU:HG	6	0.39
(1,3762)	1:B:58:GLY:HA3	1:B:62:ARG:HG2	6	0.39
(1,3761)	1:A:58:GLY:HA3	1:A:60:LEU:HG	6	0.39
(1,3761)	1:A:58:GLY:HA3	1:A:62:ARG:HG2	6	0.39
(1,356)	1:B:60:LEU:HB2	1:B:61:ASP:HB3	11	0.39
(1,356)	1:B:60:LEU:HB2	1:B:61:ASP:HB3	17	0.39
(1,355)	1:A:60:LEU:HB2	1:A:61:ASP:HB3	17	0.39
(1,3458)	1:B:11:GLU:HA	1:B:12:ARG:HD2	9	0.39
(1,3458)	1:B:11:GLU:HA	1:B:12:ARG:HD3	9	0.39
(1,3458)	1:B:11:GLU:HA	1:A:50:PHE:HB2	9	0.39
(1,3458)	1:B:11:GLU:HA	1:A:50:PHE:HB3	9	0.39
(1,3457)	1:A:11:GLU:HA	1:A:12:ARG:HD2	9	0.39
(1,3457)	1:A:11:GLU:HA	1:A:12:ARG:HD3	9	0.39
(1,3457)	1:A:11:GLU:HA	1:B:50:PHE:HB2	9	0.39
(1,3457)	1:A:11:GLU:HA	1:B:50:PHE:HB3	9	0.39
(1,3254)	1:B:62:ARG:H	1:B:61:ASP:HB2	2	0.39
(1,3253)	1:A:62:ARG:H	1:A:61:ASP:HB2	2	0.39
(1,251)	1:A:76:ASP:HB2	1:A:77:PHE:HB2	13	0.39
(1,1608)	1:B:47:LEU:HB2	1:B:50:PHE:HB2	14	0.39
(1,1608)	1:B:47:LEU:HB2	1:B:50:PHE:HB3	14	0.39
(1,1607)	1:A:47:LEU:HB2	1:A:50:PHE:HB2	14	0.39
(1,1607)	1:A:47:LEU:HB2	1:A:50:PHE:HB3	14	0.39
(1,146)	1:B:78:SER:HB2	1:B:81:LEU:HB3	20	0.39
(1,146)	1:B:78:SER:HB3	1:B:81:LEU:HB3	20	0.39
(1,145)	1:A:78:SER:HB2	1:A:81:LEU:HB3	17	0.39
(1,145)	1:A:78:SER:HB3	1:A:81:LEU:HB3	17	0.39
(1,145)	1:A:78:SER:HB2	1:A:81:LEU:HB3	20	0.39
(1,145)	1:A:78:SER:HB3	1:A:81:LEU:HB3	20	0.39
(1,136)	1:B:89:MET:HG2	1:B:85:GLY:HA3	14	0.39
(1,135)	1:A:89:MET:HG2	1:A:85:GLY:HA3	14	0.39
(1,1030)	1:B:38:GLU:HB3	1:B:24:TYR:HB2	1	0.39
(1,708)	1:B:67:LEU:HB2	1:B:66:LYS:HB2	9	0.38
(1,708)	1:B:67:LEU:HB2	1:B:66:LYS:HB3	9	0.38
(1,707)	1:A:67:LEU:HB2	1:A:66:LYS:HB2	9	0.38
(1,707)	1:A:67:LEU:HB2	1:A:66:LYS:HB3	9	0.38
(1,692)	1:B:15:GLU:HG2	1:B:16:SER:H	11	0.38
(1,692)	1:B:15:GLU:HG2	1:B:16:SER:H	14	0.38
(1,691)	1:A:15:GLU:HG2	1:A:16:SER:H	3	0.38
(1,650)	1:B:15:GLU:HG2	1:B:16:SER:H	4	0.38
(1,649)	1:A:15:GLU:HG2	1:A:16:SER:H	4	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5676)	1:B:61:ASP:H	1:B:60:LEU:HG	13	0.38
(1,5676)	1:B:61:ASP:H	1:B:62:ARG:HB3	13	0.38
(1,5676)	1:B:61:ASP:H	1:B:62:ARG:HG2	13	0.38
(1,5675)	1:A:61:ASP:H	1:A:60:LEU:HG	1	0.38
(1,5675)	1:A:61:ASP:H	1:A:62:ARG:HB3	1	0.38
(1,5675)	1:A:61:ASP:H	1:A:62:ARG:HG2	1	0.38
(1,5675)	1:A:61:ASP:H	1:A:60:LEU:HG	13	0.38
(1,5675)	1:A:61:ASP:H	1:A:62:ARG:HB3	13	0.38
(1,5675)	1:A:61:ASP:H	1:A:62:ARG:HG2	13	0.38
(1,5536)	1:B:23:LYS:H	1:B:20:VAL:HB	11	0.38
(1,5536)	1:B:23:LYS:H	1:B:22:GLN:HG2	11	0.38
(1,5536)	1:B:23:LYS:H	1:B:22:GLN:HG3	11	0.38
(1,5536)	1:B:23:LYS:H	1:B:24:TYR:HB3	11	0.38
(1,5462)	1:B:45:THR:H	1:B:46:GLU:HB3	7	0.38
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG21	7	0.38
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG22	7	0.38
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG23	7	0.38
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD12	7	0.38
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD11	7	0.38
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD13	7	0.38
(1,5461)	1:A:45:THR:H	1:A:46:GLU:HB3	7	0.38
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG21	7	0.38
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG22	7	0.38
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG23	7	0.38
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD12	7	0.38
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD11	7	0.38
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD13	7	0.38
(1,5300)	1:B:26:GLY:H	1:B:23:LYS:HD2	7	0.38
(1,5300)	1:B:26:GLY:H	1:B:23:LYS:HD3	7	0.38
(1,5300)	1:B:26:GLY:H	1:B:34:LEU:HB3	7	0.38
(1,5300)	1:B:26:GLY:H	1:B:23:LYS:HD2	17	0.38
(1,5300)	1:B:26:GLY:H	1:B:23:LYS:HD3	17	0.38
(1,5300)	1:B:26:GLY:H	1:B:34:LEU:HB3	17	0.38
(1,5299)	1:A:26:GLY:H	1:A:23:LYS:HD2	7	0.38
(1,5299)	1:A:26:GLY:H	1:A:23:LYS:HD3	7	0.38
(1,5299)	1:A:26:GLY:H	1:A:34:LEU:HB3	7	0.38
(1,5299)	1:A:26:GLY:H	1:A:23:LYS:HD2	17	0.38
(1,5299)	1:A:26:GLY:H	1:A:23:LYS:HD3	17	0.38
(1,5299)	1:A:26:GLY:H	1:A:34:LEU:HB3	17	0.38
(1,5298)	1:B:26:GLY:H	1:B:23:LYS:HD2	7	0.38
(1,5298)	1:B:26:GLY:H	1:B:23:LYS:HD3	7	0.38
(1,5298)	1:B:26:GLY:H	1:B:34:LEU:HB3	7	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5298)	1:B:26:GLY:H	1:B:23:LYS:HD2	17	0.38
(1,5298)	1:B:26:GLY:H	1:B:23:LYS:HD3	17	0.38
(1,5298)	1:B:26:GLY:H	1:B:34:LEU:HB3	17	0.38
(1,5297)	1:A:26:GLY:H	1:A:23:LYS:HD2	7	0.38
(1,5297)	1:A:26:GLY:H	1:A:23:LYS:HD3	7	0.38
(1,5297)	1:A:26:GLY:H	1:A:34:LEU:HB3	7	0.38
(1,5297)	1:A:26:GLY:H	1:A:23:LYS:HD2	17	0.38
(1,5297)	1:A:26:GLY:H	1:A:23:LYS:HD3	17	0.38
(1,5297)	1:A:26:GLY:H	1:A:34:LEU:HB3	17	0.38
(1,4920)	1:B:52:LYS:HA	1:B:43:MET:HB2	1	0.38
(1,4920)	1:B:52:LYS:HA	1:B:43:MET:HB3	1	0.38
(1,4920)	1:B:52:LYS:HA	1:B:47:LEU:HB3	1	0.38
(1,4920)	1:B:71:SER:HA	1:B:36:LYS:HD2	1	0.38
(1,4920)	1:B:71:SER:HA	1:B:36:LYS:HD3	1	0.38
(1,4920)	1:B:71:SER:HA	1:B:67:LEU:HB2	1	0.38
(1,4920)	1:B:71:SER:HA	1:B:74:GLN:HB3	1	0.38
(1,4919)	1:A:52:LYS:HA	1:A:43:MET:HB2	1	0.38
(1,4919)	1:A:52:LYS:HA	1:A:43:MET:HB3	1	0.38
(1,4919)	1:A:52:LYS:HA	1:A:47:LEU:HB3	1	0.38
(1,4919)	1:A:71:SER:HA	1:A:36:LYS:HD2	1	0.38
(1,4919)	1:A:71:SER:HA	1:A:36:LYS:HD3	1	0.38
(1,4919)	1:A:71:SER:HA	1:A:67:LEU:HB2	1	0.38
(1,4919)	1:A:71:SER:HA	1:A:74:GLN:HB3	1	0.38
(1,4839)	1:A:68:ASP:HB2	1:A:39:PHE:HB3	5	0.38
(1,4839)	1:A:68:ASP:HB2	1:A:72:ASP:HB2	5	0.38
(1,4839)	1:A:80:PHE:HB3	1:A:39:PHE:HB3	5	0.38
(1,476)	1:B:67:LEU:HB3	1:B:75:LEU:HB2	5	0.38
(1,475)	1:A:67:LEU:HB3	1:A:75:LEU:HB2	5	0.38
(1,4654)	1:B:94:SER:HB2	1:B:99:VAL:HB	20	0.38
(1,4654)	1:B:94:SER:HB3	1:B:99:VAL:HB	20	0.38
(1,4654)	1:B:94:SER:HB2	1:B:100:PRO:HB3	20	0.38
(1,4654)	1:B:94:SER:HB3	1:B:100:PRO:HB3	20	0.38
(1,4654)	1:B:94:SER:HB2	1:B:100:PRO:HG2	20	0.38
(1,4654)	1:B:94:SER:HB3	1:B:100:PRO:HG2	20	0.38
(1,4654)	1:B:94:SER:HB2	1:B:100:PRO:HG3	20	0.38
(1,4654)	1:B:94:SER:HB3	1:B:100:PRO:HG3	20	0.38
(1,4654)	1:B:94:SER:HB2	1:A:11:GLU:HB2	20	0.38
(1,4654)	1:B:94:SER:HB2	1:A:11:GLU:HB3	20	0.38
(1,4654)	1:B:94:SER:HB3	1:A:11:GLU:HB2	20	0.38
(1,4654)	1:B:94:SER:HB3	1:A:11:GLU:HB3	20	0.38
(1,4654)	1:B:94:SER:HB2	1:A:14:ILE:HB	20	0.38
(1,4654)	1:B:94:SER:HB3	1:A:14:ILE:HB	20	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4654)	1:B:94:SER:HB2	1:A:22:GLN:HB2	20	0.38
(1,4654)	1:B:94:SER:HB2	1:A:22:GLN:HB3	20	0.38
(1,4654)	1:B:94:SER:HB3	1:A:22:GLN:HB2	20	0.38
(1,4654)	1:B:94:SER:HB3	1:A:22:GLN:HB3	20	0.38
(1,4653)	1:A:94:SER:HB2	1:A:99:VAL:HB	20	0.38
(1,4653)	1:A:94:SER:HB3	1:A:99:VAL:HB	20	0.38
(1,4653)	1:A:94:SER:HB2	1:A:100:PRO:HB3	20	0.38
(1,4653)	1:A:94:SER:HB3	1:A:100:PRO:HB3	20	0.38
(1,4653)	1:A:94:SER:HB2	1:A:100:PRO:HG2	20	0.38
(1,4653)	1:A:94:SER:HB3	1:A:100:PRO:HG2	20	0.38
(1,4653)	1:A:94:SER:HB2	1:A:100:PRO:HG3	20	0.38
(1,4653)	1:A:94:SER:HB3	1:A:100:PRO:HG3	20	0.38
(1,4653)	1:A:94:SER:HB2	1:B:11:GLU:HB2	20	0.38
(1,4653)	1:A:94:SER:HB2	1:B:11:GLU:HB3	20	0.38
(1,4653)	1:A:94:SER:HB3	1:B:11:GLU:HB2	20	0.38
(1,4653)	1:A:94:SER:HB3	1:B:11:GLU:HB3	20	0.38
(1,4653)	1:A:94:SER:HB2	1:B:14:ILE:HB	20	0.38
(1,4653)	1:A:94:SER:HB3	1:B:14:ILE:HB	20	0.38
(1,4653)	1:A:94:SER:HB2	1:B:22:GLN:HB2	20	0.38
(1,4653)	1:A:94:SER:HB2	1:B:22:GLN:HB3	20	0.38
(1,4653)	1:A:94:SER:HB3	1:B:22:GLN:HB2	20	0.38
(1,4653)	1:A:94:SER:HB3	1:B:22:GLN:HB3	20	0.38
(1,4618)	1:B:68:ASP:HA	1:B:74:GLN:HB3	8	0.38
(1,4618)	1:B:74:GLN:HB3	1:B:72:ASP:HA	8	0.38
(1,4618)	1:B:68:ASP:HA	1:B:74:GLN:HB3	14	0.38
(1,4618)	1:B:74:GLN:HB3	1:B:72:ASP:HA	14	0.38
(1,4618)	1:B:68:ASP:HA	1:B:74:GLN:HB3	15	0.38
(1,4618)	1:B:74:GLN:HB3	1:B:72:ASP:HA	15	0.38
(1,4618)	1:B:68:ASP:HA	1:B:74:GLN:HB3	18	0.38
(1,4618)	1:B:74:GLN:HB3	1:B:72:ASP:HA	18	0.38
(1,4617)	1:A:68:ASP:HA	1:A:74:GLN:HB3	14	0.38
(1,4617)	1:A:74:GLN:HB3	1:A:72:ASP:HA	14	0.38
(1,4617)	1:A:68:ASP:HA	1:A:74:GLN:HB3	15	0.38
(1,4617)	1:A:74:GLN:HB3	1:A:72:ASP:HA	15	0.38
(1,4617)	1:A:68:ASP:HA	1:A:74:GLN:HB3	18	0.38
(1,4617)	1:A:74:GLN:HB3	1:A:72:ASP:HA	18	0.38
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD22	17	0.38
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD21	17	0.38
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD23	17	0.38
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD22	17	0.38
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD21	17	0.38
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD23	17	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD22	17	0.38
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD21	17	0.38
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD23	17	0.38
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD22	17	0.38
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD21	17	0.38
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD23	17	0.38
(1,432)	1:B:48:ALA:HB2	1:B:44:ASN:HB3	7	0.38
(1,432)	1:B:48:ALA:HB1	1:B:44:ASN:HB3	7	0.38
(1,432)	1:B:48:ALA:HB3	1:B:44:ASN:HB3	7	0.38
(1,431)	1:A:48:ALA:HB2	1:A:44:ASN:HB3	7	0.38
(1,431)	1:A:48:ALA:HB1	1:A:44:ASN:HB3	7	0.38
(1,431)	1:A:48:ALA:HB3	1:A:44:ASN:HB3	7	0.38
(1,4230)	1:B:11:GLU:HB2	1:B:13:CYS:HB3	14	0.38
(1,4230)	1:B:11:GLU:HB3	1:B:13:CYS:HB3	14	0.38
(1,4230)	1:B:12:ARG:HB2	1:B:13:CYS:HB3	14	0.38
(1,4230)	1:B:12:ARG:HB3	1:B:13:CYS:HB3	14	0.38
(1,4230)	1:B:14:ILE:HB	1:B:13:CYS:HB3	14	0.38
(1,4230)	1:B:91:CYS:HB2	1:A:14:ILE:HB	14	0.38
(1,4230)	1:B:91:CYS:HB3	1:A:14:ILE:HB	14	0.38
(1,4229)	1:A:11:GLU:HB2	1:A:13:CYS:HB3	14	0.38
(1,4229)	1:A:11:GLU:HB3	1:A:13:CYS:HB3	14	0.38
(1,4229)	1:A:12:ARG:HB2	1:A:13:CYS:HB3	14	0.38
(1,4229)	1:A:12:ARG:HB3	1:A:13:CYS:HB3	14	0.38
(1,4229)	1:A:14:ILE:HB	1:A:13:CYS:HB3	14	0.38
(1,4229)	1:A:91:CYS:HB2	1:B:14:ILE:HB	14	0.38
(1,4229)	1:A:91:CYS:HB3	1:B:14:ILE:HB	14	0.38
(1,4196)	1:B:52:LYS:HD2	1:B:53:ASN:HB3	20	0.38
(1,4196)	1:B:52:LYS:HD3	1:B:53:ASN:HB3	20	0.38
(1,4196)	1:B:52:LYS:HD2	1:B:44:ASN:HB3	20	0.38
(1,4196)	1:B:52:LYS:HD3	1:B:44:ASN:HB3	20	0.38
(1,4196)	1:B:52:LYS:HB2	1:B:53:ASN:HB3	20	0.38
(1,4196)	1:B:52:LYS:HB3	1:B:53:ASN:HB3	20	0.38
(1,4195)	1:A:52:LYS:HD2	1:A:53:ASN:HB3	20	0.38
(1,4195)	1:A:52:LYS:HD3	1:A:53:ASN:HB3	20	0.38
(1,4195)	1:A:52:LYS:HD2	1:A:44:ASN:HB3	20	0.38
(1,4195)	1:A:52:LYS:HD3	1:A:44:ASN:HB3	20	0.38
(1,4195)	1:A:52:LYS:HB2	1:A:53:ASN:HB3	20	0.38
(1,4195)	1:A:52:LYS:HB3	1:A:53:ASN:HB3	20	0.38
(1,4170)	1:B:17:LEU:HG	1:B:16:SER:HB3	12	0.38
(1,4170)	1:B:16:SER:HB3	1:A:9:GLU:HB2	12	0.38
(1,4170)	1:B:16:SER:HB3	1:A:9:GLU:HB3	12	0.38
(1,4169)	1:A:17:LEU:HG	1:A:16:SER:HB3	12	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4169)	1:A:16:SER:HB3	1:B:9:GLU:HB2	12	0.38
(1,4169)	1:A:16:SER:HB3	1:B:9:GLU:HB3	12	0.38
(1,4104)	1:B:42:PHE:HA	1:B:20:VAL:HB	18	0.38
(1,4104)	1:B:42:PHE:HA	1:B:38:GLU:HB2	18	0.38
(1,4103)	1:A:42:PHE:HA	1:A:20:VAL:HB	18	0.38
(1,4103)	1:A:42:PHE:HA	1:A:38:GLU:HB2	18	0.38
(1,4030)	1:B:73:GLY:HA3	1:B:36:LYS:HD2	13	0.38
(1,4030)	1:B:73:GLY:HA3	1:B:36:LYS:HD3	13	0.38
(1,4030)	1:B:73:GLY:HA3	1:B:74:GLN:HB3	13	0.38
(1,4029)	1:A:73:GLY:HA3	1:A:36:LYS:HD2	13	0.38
(1,4029)	1:A:73:GLY:HA3	1:A:36:LYS:HD3	13	0.38
(1,4029)	1:A:73:GLY:HA3	1:A:74:GLN:HB3	13	0.38
(1,3938)	1:B:39:PHE:HB2	1:B:36:LYS:HG2	11	0.38
(1,3938)	1:B:39:PHE:HB2	1:B:36:LYS:HG3	11	0.38
(1,3938)	1:B:65:LYS:HG2	1:B:64:MET:HA	11	0.38
(1,3938)	1:B:65:LYS:HG3	1:B:64:MET:HA	11	0.38
(1,3937)	1:A:39:PHE:HB2	1:A:36:LYS:HG2	11	0.38
(1,3937)	1:A:39:PHE:HB2	1:A:36:LYS:HG3	11	0.38
(1,3937)	1:A:65:LYS:HG2	1:A:64:MET:HA	11	0.38
(1,3937)	1:A:65:LYS:HG3	1:A:64:MET:HA	11	0.38
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD12	15	0.38
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD11	15	0.38
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD13	15	0.38
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD12	15	0.38
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD11	15	0.38
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD13	15	0.38
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD12	15	0.38
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD11	15	0.38
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD13	15	0.38
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD12	15	0.38
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD11	15	0.38
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD13	15	0.38
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD12	15	0.38
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD11	15	0.38
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD13	15	0.38
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD12	15	0.38
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD11	15	0.38
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD13	15	0.38
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD22	15	0.38
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD21	15	0.38
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD23	15	0.38
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD12	16	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD11	16	0.38
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD13	16	0.38
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD12	16	0.38
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD11	16	0.38
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD13	16	0.38
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD12	16	0.38
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD11	16	0.38
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD13	16	0.38
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD12	16	0.38
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD11	16	0.38
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD13	16	0.38
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD12	16	0.38
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD11	16	0.38
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD13	16	0.38
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD12	16	0.38
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD11	16	0.38
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD13	16	0.38
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD22	16	0.38
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD21	16	0.38
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD23	16	0.38
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD12	17	0.38
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD11	17	0.38
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD13	17	0.38
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD12	17	0.38
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD11	17	0.38
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD13	17	0.38
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD12	17	0.38
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD11	17	0.38
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD13	17	0.38
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD12	17	0.38
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD11	17	0.38
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD13	17	0.38
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD12	17	0.38
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD11	17	0.38
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD13	17	0.38
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD12	17	0.38
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD11	17	0.38
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD13	17	0.38
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD22	17	0.38
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD21	17	0.38
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD23	17	0.38
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD12	15	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD11	15	0.38
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD13	15	0.38
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD12	15	0.38
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD11	15	0.38
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD13	15	0.38
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD12	15	0.38
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD11	15	0.38
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD13	15	0.38
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD12	15	0.38
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD11	15	0.38
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD13	15	0.38
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD12	15	0.38
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD11	15	0.38
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD13	15	0.38
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD12	15	0.38
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD11	15	0.38
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD13	15	0.38
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD22	15	0.38
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD21	15	0.38
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD23	15	0.38
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD12	16	0.38
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD11	16	0.38
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD13	16	0.38
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD12	16	0.38
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD11	16	0.38
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD13	16	0.38
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD12	16	0.38
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD11	16	0.38
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD13	16	0.38
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD12	16	0.38
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD11	16	0.38
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD13	16	0.38
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD12	16	0.38
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD11	16	0.38
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD13	16	0.38
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD12	16	0.38
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD11	16	0.38
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD13	16	0.38
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD22	16	0.38
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD21	16	0.38
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD23	16	0.38
(1,3838)	1:B:33:THR:HA	1:B:34:LEU:HG	8	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3838)	1:B:75:LEU:HB3	1:B:33:THR:HA	8	0.38
(1,3837)	1:A:33:THR:HA	1:A:34:LEU:HG	8	0.38
(1,3837)	1:A:75:LEU:HB3	1:A:33:THR:HA	8	0.38
(1,3638)	1:B:34:LEU:HB3	1:B:21:PHE:HB3	18	0.38
(1,3638)	1:B:34:LEU:HB3	1:B:24:TYR:HB3	18	0.38
(1,3638)	1:B:34:LEU:HB3	1:B:42:PHE:HB3	18	0.38
(1,3637)	1:A:34:LEU:HB3	1:A:21:PHE:HB3	18	0.38
(1,3637)	1:A:34:LEU:HB3	1:A:24:TYR:HB3	18	0.38
(1,3637)	1:A:34:LEU:HB3	1:A:42:PHE:HB3	18	0.38
(1,355)	1:A:60:LEU:HB2	1:A:61:ASP:HB3	2	0.38
(1,355)	1:A:60:LEU:HB2	1:A:61:ASP:HB3	11	0.38
(1,355)	1:A:60:LEU:HB2	1:A:61:ASP:HB3	19	0.38
(1,3489)	1:A:13:CYS:HB2	1:A:81:LEU:HD22	19	0.38
(1,3489)	1:A:13:CYS:HB2	1:A:81:LEU:HD21	19	0.38
(1,3489)	1:A:13:CYS:HB2	1:A:81:LEU:HD23	19	0.38
(1,3489)	1:A:13:CYS:HB2	1:B:81:LEU:HD22	19	0.38
(1,3489)	1:A:13:CYS:HB2	1:B:81:LEU:HD21	19	0.38
(1,3489)	1:A:13:CYS:HB2	1:B:81:LEU:HD23	19	0.38
(1,2776)	1:B:50:PHE:H	1:B:47:LEU:HB2	12	0.38
(1,2775)	1:A:50:PHE:H	1:A:47:LEU:HB2	12	0.38
(1,252)	1:B:76:ASP:HB2	1:B:77:PHE:HB2	13	0.38
(1,2109)	1:A:33:THR:HG21	1:A:76:ASP:HB3	4	0.38
(1,2109)	1:A:33:THR:HG22	1:A:76:ASP:HB3	4	0.38
(1,2109)	1:A:33:THR:HG23	1:A:76:ASP:HB3	4	0.38
(1,1608)	1:B:47:LEU:HB2	1:B:50:PHE:HB2	20	0.38
(1,1608)	1:B:47:LEU:HB2	1:B:50:PHE:HB3	20	0.38
(1,1607)	1:A:47:LEU:HB2	1:A:50:PHE:HB2	20	0.38
(1,1607)	1:A:47:LEU:HB2	1:A:50:PHE:HB3	20	0.38
(1,1238)	1:B:62:ARG:HB3	1:B:59:VAL:HA	11	0.38
(1,1238)	1:B:62:ARG:HB3	1:B:59:VAL:HA	19	0.38
(1,1237)	1:A:62:ARG:HB3	1:A:59:VAL:HA	11	0.38
(1,1237)	1:A:62:ARG:HB3	1:A:59:VAL:HA	19	0.38
(1,692)	1:B:15:GLU:HG2	1:B:16:SER:H	2	0.37
(1,692)	1:B:15:GLU:HG2	1:B:16:SER:H	10	0.37
(1,691)	1:A:15:GLU:HG2	1:A:16:SER:H	2	0.37
(1,691)	1:A:15:GLU:HG2	1:A:16:SER:H	10	0.37
(1,691)	1:A:15:GLU:HG2	1:A:16:SER:H	11	0.37
(1,691)	1:A:15:GLU:HG2	1:A:16:SER:H	14	0.37
(1,650)	1:B:15:GLU:HG2	1:B:16:SER:H	7	0.37
(1,650)	1:B:15:GLU:HG2	1:B:16:SER:H	8	0.37
(1,650)	1:B:15:GLU:HG2	1:B:16:SER:H	13	0.37
(1,649)	1:A:15:GLU:HG2	1:A:16:SER:H	7	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,649)	1:A:15:GLU:HG2	1:A:16:SER:H	13	0.37
(1,5676)	1:B:61:ASP:H	1:B:60:LEU:HG	19	0.37
(1,5676)	1:B:61:ASP:H	1:B:62:ARG:HB3	19	0.37
(1,5676)	1:B:61:ASP:H	1:B:62:ARG:HG2	19	0.37
(1,5675)	1:A:61:ASP:H	1:A:60:LEU:HG	19	0.37
(1,5675)	1:A:61:ASP:H	1:A:62:ARG:HB3	19	0.37
(1,5675)	1:A:61:ASP:H	1:A:62:ARG:HG2	19	0.37
(1,5536)	1:B:23:LYS:H	1:B:20:VAL:HB	1	0.37
(1,5536)	1:B:23:LYS:H	1:B:22:GLN:HG2	1	0.37
(1,5536)	1:B:23:LYS:H	1:B:22:GLN:HG3	1	0.37
(1,5536)	1:B:23:LYS:H	1:B:24:TYR:HB3	1	0.37
(1,5535)	1:A:23:LYS:H	1:A:20:VAL:HB	1	0.37
(1,5535)	1:A:23:LYS:H	1:A:22:GLN:HG2	1	0.37
(1,5535)	1:A:23:LYS:H	1:A:22:GLN:HG3	1	0.37
(1,5535)	1:A:23:LYS:H	1:A:24:TYR:HB3	1	0.37
(1,5462)	1:B:45:THR:H	1:B:46:GLU:HB3	11	0.37
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG21	11	0.37
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG22	11	0.37
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG23	11	0.37
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD12	11	0.37
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD11	11	0.37
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD13	11	0.37
(1,5461)	1:A:45:THR:H	1:A:46:GLU:HB3	11	0.37
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG21	11	0.37
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG22	11	0.37
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG23	11	0.37
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD12	11	0.37
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD11	11	0.37
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD13	11	0.37
(1,5300)	1:B:26:GLY:H	1:B:23:LYS:HD2	4	0.37
(1,5300)	1:B:26:GLY:H	1:B:23:LYS:HD3	4	0.37
(1,5300)	1:B:26:GLY:H	1:B:34:LEU:HB3	4	0.37
(1,5300)	1:B:26:GLY:H	1:B:23:LYS:HD2	14	0.37
(1,5300)	1:B:26:GLY:H	1:B:23:LYS:HD3	14	0.37
(1,5300)	1:B:26:GLY:H	1:B:34:LEU:HB3	14	0.37
(1,5299)	1:A:26:GLY:H	1:A:23:LYS:HD2	4	0.37
(1,5299)	1:A:26:GLY:H	1:A:23:LYS:HD3	4	0.37
(1,5299)	1:A:26:GLY:H	1:A:34:LEU:HB3	4	0.37
(1,5299)	1:A:26:GLY:H	1:A:23:LYS:HD2	14	0.37
(1,5299)	1:A:26:GLY:H	1:A:23:LYS:HD3	14	0.37
(1,5299)	1:A:26:GLY:H	1:A:34:LEU:HB3	14	0.37
(1,5298)	1:B:26:GLY:H	1:B:23:LYS:HD2	4	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5298)	1:B:26:GLY:H	1:B:23:LYS:HD3	4	0.37
(1,5298)	1:B:26:GLY:H	1:B:34:LEU:HB3	4	0.37
(1,5298)	1:B:26:GLY:H	1:B:23:LYS:HD2	14	0.37
(1,5298)	1:B:26:GLY:H	1:B:23:LYS:HD3	14	0.37
(1,5298)	1:B:26:GLY:H	1:B:34:LEU:HB3	14	0.37
(1,5297)	1:A:26:GLY:H	1:A:23:LYS:HD2	4	0.37
(1,5297)	1:A:26:GLY:H	1:A:23:LYS:HD3	4	0.37
(1,5297)	1:A:26:GLY:H	1:A:34:LEU:HB3	4	0.37
(1,5297)	1:A:26:GLY:H	1:A:23:LYS:HD2	14	0.37
(1,5297)	1:A:26:GLY:H	1:A:23:LYS:HD3	14	0.37
(1,5297)	1:A:26:GLY:H	1:A:34:LEU:HB3	14	0.37
(1,4920)	1:B:52:LYS:HA	1:B:43:MET:HB2	10	0.37
(1,4920)	1:B:52:LYS:HA	1:B:43:MET:HB3	10	0.37
(1,4920)	1:B:52:LYS:HA	1:B:47:LEU:HB3	10	0.37
(1,4920)	1:B:71:SER:HA	1:B:36:LYS:HD2	10	0.37
(1,4920)	1:B:71:SER:HA	1:B:36:LYS:HD3	10	0.37
(1,4920)	1:B:71:SER:HA	1:B:67:LEU:HB2	10	0.37
(1,4920)	1:B:71:SER:HA	1:B:74:GLN:HB3	10	0.37
(1,4919)	1:A:52:LYS:HA	1:A:43:MET:HB2	10	0.37
(1,4919)	1:A:52:LYS:HA	1:A:43:MET:HB3	10	0.37
(1,4919)	1:A:52:LYS:HA	1:A:47:LEU:HB3	10	0.37
(1,4919)	1:A:71:SER:HA	1:A:36:LYS:HD2	10	0.37
(1,4919)	1:A:71:SER:HA	1:A:36:LYS:HD3	10	0.37
(1,4919)	1:A:71:SER:HA	1:A:67:LEU:HB2	10	0.37
(1,4919)	1:A:71:SER:HA	1:A:74:GLN:HB3	10	0.37
(1,4858)	1:B:23:LYS:HB2	1:B:23:LYS:HE2	4	0.37
(1,4858)	1:B:23:LYS:HB2	1:B:23:LYS:HE3	4	0.37
(1,4858)	1:B:23:LYS:HB3	1:B:23:LYS:HE2	4	0.37
(1,4858)	1:B:23:LYS:HB3	1:B:23:LYS:HE3	4	0.37
(1,4858)	1:B:23:LYS:HB2	1:B:23:LYS:HE2	5	0.37
(1,4858)	1:B:23:LYS:HB2	1:B:23:LYS:HE3	5	0.37
(1,4858)	1:B:23:LYS:HB3	1:B:23:LYS:HE2	5	0.37
(1,4858)	1:B:23:LYS:HB3	1:B:23:LYS:HE3	5	0.37
(1,4858)	1:B:23:LYS:HB2	1:B:23:LYS:HE2	6	0.37
(1,4858)	1:B:23:LYS:HB2	1:B:23:LYS:HE3	6	0.37
(1,4858)	1:B:23:LYS:HB3	1:B:23:LYS:HE2	6	0.37
(1,4858)	1:B:23:LYS:HB3	1:B:23:LYS:HE3	6	0.37
(1,4857)	1:A:23:LYS:HB2	1:A:23:LYS:HE2	4	0.37
(1,4857)	1:A:23:LYS:HB2	1:A:23:LYS:HE3	4	0.37
(1,4857)	1:A:23:LYS:HB3	1:A:23:LYS:HE2	4	0.37
(1,4857)	1:A:23:LYS:HB3	1:A:23:LYS:HE3	4	0.37
(1,4857)	1:A:23:LYS:HB2	1:A:23:LYS:HE2	5	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4857)	1:A:23:LYS:HB2	1:A:23:LYS:HE3	5	0.37
(1,4857)	1:A:23:LYS:HB3	1:A:23:LYS:HE2	5	0.37
(1,4857)	1:A:23:LYS:HB3	1:A:23:LYS:HE3	5	0.37
(1,4857)	1:A:23:LYS:HB2	1:A:23:LYS:HE2	6	0.37
(1,4857)	1:A:23:LYS:HB2	1:A:23:LYS:HE3	6	0.37
(1,4857)	1:A:23:LYS:HB3	1:A:23:LYS:HE2	6	0.37
(1,4857)	1:A:23:LYS:HB3	1:A:23:LYS:HE3	6	0.37
(1,4618)	1:B:68:ASP:HA	1:B:74:GLN:HB3	4	0.37
(1,4618)	1:B:74:GLN:HB3	1:B:72:ASP:HA	4	0.37
(1,4617)	1:A:68:ASP:HA	1:A:74:GLN:HB3	4	0.37
(1,4617)	1:A:74:GLN:HB3	1:A:72:ASP:HA	4	0.37
(1,4617)	1:A:68:ASP:HA	1:A:74:GLN:HB3	8	0.37
(1,4617)	1:A:74:GLN:HB3	1:A:72:ASP:HA	8	0.37
(1,4172)	1:B:24:TYR:HB2	1:B:27:LYS:HD2	3	0.37
(1,4172)	1:B:24:TYR:HB2	1:B:27:LYS:HD3	3	0.37
(1,4172)	1:B:44:ASN:HB2	1:B:43:MET:HB2	3	0.37
(1,4172)	1:B:44:ASN:HB2	1:B:43:MET:HB3	3	0.37
(1,4171)	1:A:24:TYR:HB2	1:A:27:LYS:HD2	3	0.37
(1,4171)	1:A:24:TYR:HB2	1:A:27:LYS:HD3	3	0.37
(1,4171)	1:A:44:ASN:HB2	1:A:43:MET:HB2	3	0.37
(1,4171)	1:A:44:ASN:HB2	1:A:43:MET:HB3	3	0.37
(1,4048)	1:B:52:LYS:HB2	1:B:53:ASN:HB3	6	0.37
(1,4048)	1:B:52:LYS:HB3	1:B:53:ASN:HB3	6	0.37
(1,4048)	1:B:74:GLN:HB2	1:B:76:ASP:HB3	6	0.37
(1,4048)	1:B:52:LYS:HB2	1:B:53:ASN:HB3	15	0.37
(1,4048)	1:B:52:LYS:HB3	1:B:53:ASN:HB3	15	0.37
(1,4048)	1:B:74:GLN:HB2	1:B:76:ASP:HB3	15	0.37
(1,4047)	1:A:52:LYS:HB2	1:A:53:ASN:HB3	6	0.37
(1,4047)	1:A:52:LYS:HB3	1:A:53:ASN:HB3	6	0.37
(1,4047)	1:A:74:GLN:HB2	1:A:76:ASP:HB3	6	0.37
(1,4047)	1:A:52:LYS:HB2	1:A:53:ASN:HB3	15	0.37
(1,4047)	1:A:52:LYS:HB3	1:A:53:ASN:HB3	15	0.37
(1,4047)	1:A:74:GLN:HB2	1:A:76:ASP:HB3	15	0.37
(1,3938)	1:B:39:PHE:HB2	1:B:36:LYS:HG2	13	0.37
(1,3938)	1:B:39:PHE:HB2	1:B:36:LYS:HG3	13	0.37
(1,3938)	1:B:65:LYS:HG2	1:B:64:MET:HA	13	0.37
(1,3938)	1:B:65:LYS:HG3	1:B:64:MET:HA	13	0.37
(1,3937)	1:A:39:PHE:HB2	1:A:36:LYS:HG2	13	0.37
(1,3937)	1:A:39:PHE:HB2	1:A:36:LYS:HG3	13	0.37
(1,3937)	1:A:65:LYS:HG2	1:A:64:MET:HA	13	0.37
(1,3937)	1:A:65:LYS:HG3	1:A:64:MET:HA	13	0.37
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD12	3	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD11	3	0.37
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD13	3	0.37
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD12	3	0.37
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD11	3	0.37
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD13	3	0.37
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD12	3	0.37
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD11	3	0.37
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD13	3	0.37
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD12	3	0.37
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD11	3	0.37
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD13	3	0.37
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD12	3	0.37
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD11	3	0.37
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD13	3	0.37
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD12	3	0.37
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD11	3	0.37
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD13	3	0.37
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD22	3	0.37
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD21	3	0.37
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD23	3	0.37
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD12	20	0.37
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD11	20	0.37
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD13	20	0.37
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD12	20	0.37
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD11	20	0.37
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD13	20	0.37
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD12	20	0.37
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD11	20	0.37
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD13	20	0.37
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD12	20	0.37
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD11	20	0.37
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD13	20	0.37
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD12	20	0.37
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD11	20	0.37
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD13	20	0.37
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD12	20	0.37
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD11	20	0.37
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD13	20	0.37
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD22	20	0.37
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD21	20	0.37
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD23	20	0.37
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD12	20	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD11	20	0.37
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD13	20	0.37
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD12	20	0.37
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD11	20	0.37
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD13	20	0.37
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD12	20	0.37
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD11	20	0.37
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD13	20	0.37
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD12	20	0.37
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD11	20	0.37
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD13	20	0.37
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD12	20	0.37
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD11	20	0.37
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD13	20	0.37
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD12	20	0.37
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD11	20	0.37
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD13	20	0.37
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD22	20	0.37
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD21	20	0.37
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD23	20	0.37
(1,3838)	1:B:33:THR:HA	1:B:34:LEU:HG	4	0.37
(1,3838)	1:B:75:LEU:HB3	1:B:33:THR:HA	4	0.37
(1,3837)	1:A:33:THR:HA	1:A:34:LEU:HG	4	0.37
(1,3837)	1:A:75:LEU:HB3	1:A:33:THR:HA	4	0.37
(1,3837)	1:A:33:THR:HA	1:A:34:LEU:HG	12	0.37
(1,3837)	1:A:75:LEU:HB3	1:A:33:THR:HA	12	0.37
(1,3778)	1:B:57:PRO:HA	1:B:61:ASP:HB3	1	0.37
(1,3778)	1:B:57:PRO:HA	1:B:63:MET:HG3	1	0.37
(1,3755)	1:A:39:PHE:HB2	1:A:36:LYS:HD2	8	0.37
(1,3755)	1:A:39:PHE:HB2	1:A:36:LYS:HD3	8	0.37
(1,3755)	1:A:39:PHE:HB2	1:A:43:MET:HB2	8	0.37
(1,3755)	1:A:39:PHE:HB2	1:A:43:MET:HB3	8	0.37
(1,3755)	1:A:39:PHE:HB2	1:A:64:MET:HB3	8	0.37
(1,356)	1:B:60:LEU:HB2	1:B:61:ASP:HB3	2	0.37
(1,356)	1:B:60:LEU:HB2	1:B:61:ASP:HB3	5	0.37
(1,356)	1:B:60:LEU:HB2	1:B:61:ASP:HB3	16	0.37
(1,356)	1:B:60:LEU:HB2	1:B:61:ASP:HB3	19	0.37
(1,355)	1:A:60:LEU:HB2	1:A:61:ASP:HB3	16	0.37
(1,3490)	1:B:13:CYS:HB2	1:B:81:LEU:HD22	5	0.37
(1,3490)	1:B:13:CYS:HB2	1:B:81:LEU:HD21	5	0.37
(1,3490)	1:B:13:CYS:HB2	1:B:81:LEU:HD23	5	0.37
(1,3490)	1:B:13:CYS:HB2	1:A:81:LEU:HD22	5	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3490)	1:B:13:CYS:HB2	1:A:81:LEU:HD21	5	0.37
(1,3490)	1:B:13:CYS:HB2	1:A:81:LEU:HD23	5	0.37
(1,3489)	1:A:13:CYS:HB2	1:A:81:LEU:HD22	5	0.37
(1,3489)	1:A:13:CYS:HB2	1:A:81:LEU:HD21	5	0.37
(1,3489)	1:A:13:CYS:HB2	1:A:81:LEU:HD23	5	0.37
(1,3489)	1:A:13:CYS:HB2	1:B:81:LEU:HD22	5	0.37
(1,3489)	1:A:13:CYS:HB2	1:B:81:LEU:HD21	5	0.37
(1,3489)	1:A:13:CYS:HB2	1:B:81:LEU:HD23	5	0.37
(1,3253)	1:A:62:ARG:H	1:A:61:ASP:HB2	12	0.37
(1,320)	1:B:74:GLN:HB3	1:B:76:ASP:HB3	13	0.37
(1,319)	1:A:74:GLN:HB3	1:A:76:ASP:HB3	13	0.37
(1,286)	1:B:75:LEU:HB3	1:B:39:PHE:HB3	19	0.37
(1,285)	1:A:75:LEU:HB3	1:A:39:PHE:HB3	19	0.37
(1,2776)	1:B:50:PHE:H	1:B:47:LEU:HB2	7	0.37
(1,136)	1:B:89:MET:HG2	1:B:85:GLY:HA3	18	0.37
(1,135)	1:A:89:MET:HG2	1:A:85:GLY:HA3	18	0.37
(1,1238)	1:B:62:ARG:HB3	1:B:59:VAL:HA	4	0.37
(1,1238)	1:B:62:ARG:HB3	1:B:59:VAL:HA	12	0.37
(1,1237)	1:A:62:ARG:HB3	1:A:59:VAL:HA	4	0.37
(1,1237)	1:A:62:ARG:HB3	1:A:59:VAL:HA	12	0.37
(1,692)	1:B:15:GLU:HG2	1:B:16:SER:H	5	0.36
(1,691)	1:A:15:GLU:HG2	1:A:16:SER:H	5	0.36
(1,691)	1:A:15:GLU:HG2	1:A:16:SER:H	6	0.36
(1,650)	1:B:15:GLU:HG2	1:B:16:SER:H	17	0.36
(1,649)	1:A:15:GLU:HG2	1:A:16:SER:H	8	0.36
(1,649)	1:A:15:GLU:HG2	1:A:16:SER:H	17	0.36
(1,622)	1:B:63:MET:H	1:B:62:ARG:HG2	6	0.36
(1,5676)	1:B:61:ASP:H	1:B:60:LEU:HG	2	0.36
(1,5676)	1:B:61:ASP:H	1:B:62:ARG:HB3	2	0.36
(1,5676)	1:B:61:ASP:H	1:B:62:ARG:HG2	2	0.36
(1,5675)	1:A:61:ASP:H	1:A:60:LEU:HG	2	0.36
(1,5675)	1:A:61:ASP:H	1:A:62:ARG:HB3	2	0.36
(1,5675)	1:A:61:ASP:H	1:A:62:ARG:HG2	2	0.36
(1,5462)	1:B:45:THR:H	1:B:46:GLU:HB3	10	0.36
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG21	10	0.36
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG22	10	0.36
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG23	10	0.36
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD12	10	0.36
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD11	10	0.36
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD13	10	0.36
(1,5462)	1:B:45:THR:H	1:B:46:GLU:HB3	20	0.36
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG21	20	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG22	20	0.36
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG23	20	0.36
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD12	20	0.36
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD11	20	0.36
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD13	20	0.36
(1,5461)	1:A:45:THR:H	1:A:46:GLU:HB3	10	0.36
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG21	10	0.36
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG22	10	0.36
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG23	10	0.36
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD12	10	0.36
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD11	10	0.36
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD13	10	0.36
(1,5216)	1:B:34:LEU:H	1:B:21:PHE:HB3	13	0.36
(1,5216)	1:B:34:LEU:H	1:B:22:GLN:HG2	13	0.36
(1,5216)	1:B:34:LEU:H	1:B:22:GLN:HG3	13	0.36
(1,5216)	1:B:34:LEU:H	1:B:64:MET:HG2	13	0.36
(1,5216)	1:B:34:LEU:H	1:B:64:MET:HG3	13	0.36
(1,5216)	1:B:34:LEU:H	1:B:77:PHE:HB2	13	0.36
(1,5215)	1:A:34:LEU:H	1:A:21:PHE:HB3	13	0.36
(1,5215)	1:A:34:LEU:H	1:A:22:GLN:HG2	13	0.36
(1,5215)	1:A:34:LEU:H	1:A:22:GLN:HG3	13	0.36
(1,5215)	1:A:34:LEU:H	1:A:64:MET:HG2	13	0.36
(1,5215)	1:A:34:LEU:H	1:A:64:MET:HG3	13	0.36
(1,5215)	1:A:34:LEU:H	1:A:77:PHE:HB2	13	0.36
(1,4920)	1:B:52:LYS:HA	1:B:43:MET:HB2	9	0.36
(1,4920)	1:B:52:LYS:HA	1:B:43:MET:HB3	9	0.36
(1,4920)	1:B:52:LYS:HA	1:B:47:LEU:HB3	9	0.36
(1,4920)	1:B:71:SER:HA	1:B:36:LYS:HD2	9	0.36
(1,4920)	1:B:71:SER:HA	1:B:36:LYS:HD3	9	0.36
(1,4920)	1:B:71:SER:HA	1:B:67:LEU:HB2	9	0.36
(1,4920)	1:B:71:SER:HA	1:B:74:GLN:HB3	9	0.36
(1,4920)	1:B:52:LYS:HA	1:B:43:MET:HB2	12	0.36
(1,4920)	1:B:52:LYS:HA	1:B:43:MET:HB3	12	0.36
(1,4920)	1:B:52:LYS:HA	1:B:47:LEU:HB3	12	0.36
(1,4920)	1:B:71:SER:HA	1:B:36:LYS:HD2	12	0.36
(1,4920)	1:B:71:SER:HA	1:B:36:LYS:HD3	12	0.36
(1,4920)	1:B:71:SER:HA	1:B:67:LEU:HB2	12	0.36
(1,4920)	1:B:71:SER:HA	1:B:74:GLN:HB3	12	0.36
(1,4919)	1:A:52:LYS:HA	1:A:43:MET:HB2	9	0.36
(1,4919)	1:A:52:LYS:HA	1:A:43:MET:HB3	9	0.36
(1,4919)	1:A:52:LYS:HA	1:A:47:LEU:HB3	9	0.36
(1,4919)	1:A:71:SER:HA	1:A:36:LYS:HD2	9	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4919)	1:A:71:SER:HA	1:A:36:LYS:HD3	9	0.36
(1,4919)	1:A:71:SER:HA	1:A:67:LEU:HB2	9	0.36
(1,4919)	1:A:71:SER:HA	1:A:74:GLN:HB3	9	0.36
(1,4919)	1:A:52:LYS:HA	1:A:43:MET:HB2	12	0.36
(1,4919)	1:A:52:LYS:HA	1:A:43:MET:HB3	12	0.36
(1,4919)	1:A:52:LYS:HA	1:A:47:LEU:HB3	12	0.36
(1,4919)	1:A:71:SER:HA	1:A:36:LYS:HD2	12	0.36
(1,4919)	1:A:71:SER:HA	1:A:36:LYS:HD3	12	0.36
(1,4919)	1:A:71:SER:HA	1:A:67:LEU:HB2	12	0.36
(1,4919)	1:A:71:SER:HA	1:A:74:GLN:HB3	12	0.36
(1,4840)	1:B:68:ASP:HB2	1:B:39:PHE:HB3	9	0.36
(1,4840)	1:B:68:ASP:HB2	1:B:72:ASP:HB2	9	0.36
(1,4840)	1:B:80:PHE:HB3	1:B:39:PHE:HB3	9	0.36
(1,4172)	1:B:24:TYR:HB2	1:B:27:LYS:HD2	7	0.36
(1,4172)	1:B:24:TYR:HB2	1:B:27:LYS:HD3	7	0.36
(1,4172)	1:B:44:ASN:HB2	1:B:43:MET:HB2	7	0.36
(1,4172)	1:B:44:ASN:HB2	1:B:43:MET:HB3	7	0.36
(1,4171)	1:A:24:TYR:HB2	1:A:27:LYS:HD2	7	0.36
(1,4171)	1:A:24:TYR:HB2	1:A:27:LYS:HD3	7	0.36
(1,4171)	1:A:44:ASN:HB2	1:A:43:MET:HB2	7	0.36
(1,4171)	1:A:44:ASN:HB2	1:A:43:MET:HB3	7	0.36
(1,4104)	1:B:42:PHE:HA	1:B:20:VAL:HB	15	0.36
(1,4104)	1:B:42:PHE:HA	1:B:38:GLU:HB2	15	0.36
(1,4103)	1:A:42:PHE:HA	1:A:20:VAL:HB	15	0.36
(1,4103)	1:A:42:PHE:HA	1:A:38:GLU:HB2	15	0.36
(1,4047)	1:A:52:LYS:HB2	1:A:53:ASN:HB3	10	0.36
(1,4047)	1:A:52:LYS:HB3	1:A:53:ASN:HB3	10	0.36
(1,4047)	1:A:74:GLN:HB2	1:A:76:ASP:HB3	10	0.36
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD12	11	0.36
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD11	11	0.36
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD13	11	0.36
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD12	11	0.36
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD11	11	0.36
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD13	11	0.36
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD12	11	0.36
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD11	11	0.36
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD13	11	0.36
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD12	11	0.36
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD11	11	0.36
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD13	11	0.36
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD12	11	0.36
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD11	11	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD13	11	0.36
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD12	11	0.36
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD11	11	0.36
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD13	11	0.36
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD22	11	0.36
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD21	11	0.36
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD23	11	0.36
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD12	14	0.36
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD11	14	0.36
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD13	14	0.36
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD12	14	0.36
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD11	14	0.36
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD13	14	0.36
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD12	14	0.36
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD11	14	0.36
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD13	14	0.36
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD12	14	0.36
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD11	14	0.36
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD13	14	0.36
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD12	14	0.36
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD11	14	0.36
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD13	14	0.36
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD12	14	0.36
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD11	14	0.36
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD13	14	0.36
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD22	14	0.36
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD21	14	0.36
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD23	14	0.36
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD12	3	0.36
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD11	3	0.36
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD13	3	0.36
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD12	3	0.36
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD11	3	0.36
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD13	3	0.36
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD12	3	0.36
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD11	3	0.36
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD13	3	0.36
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD12	3	0.36
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD11	3	0.36
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD13	3	0.36
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD12	3	0.36
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD11	3	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD13	3	0.36
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD12	3	0.36
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD11	3	0.36
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD13	3	0.36
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD22	3	0.36
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD21	3	0.36
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD23	3	0.36
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD12	11	0.36
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD11	11	0.36
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD13	11	0.36
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD12	11	0.36
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD11	11	0.36
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD13	11	0.36
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD12	11	0.36
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD11	11	0.36
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD13	11	0.36
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD12	11	0.36
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD11	11	0.36
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD13	11	0.36
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD12	11	0.36
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD11	11	0.36
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD13	11	0.36
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD12	11	0.36
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD11	11	0.36
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD13	11	0.36
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD22	11	0.36
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD21	11	0.36
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD23	11	0.36
(1,3838)	1:B:33:THR:HA	1:B:34:LEU:HG	1	0.36
(1,3838)	1:B:75:LEU:HB3	1:B:33:THR:HA	1	0.36
(1,3838)	1:B:33:THR:HA	1:B:34:LEU:HG	12	0.36
(1,3838)	1:B:75:LEU:HB3	1:B:33:THR:HA	12	0.36
(1,3837)	1:A:33:THR:HA	1:A:34:LEU:HG	1	0.36
(1,3837)	1:A:75:LEU:HB3	1:A:33:THR:HA	1	0.36
(1,3786)	1:B:63:MET:HG3	1:B:61:ASP:H	10	0.36
(1,3786)	1:B:89:MET:HG3	1:B:87:LEU:H	10	0.36
(1,3777)	1:A:57:PRO:HA	1:A:61:ASP:HB3	1	0.36
(1,3777)	1:A:57:PRO:HA	1:A:63:MET:HG3	1	0.36
(1,3756)	1:B:39:PHE:HB2	1:B:36:LYS:HD2	8	0.36
(1,3756)	1:B:39:PHE:HB2	1:B:36:LYS:HD3	8	0.36
(1,3756)	1:B:39:PHE:HB2	1:B:43:MET:HB2	8	0.36
(1,3756)	1:B:39:PHE:HB2	1:B:43:MET:HB3	8	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3756)	1:B:39:PHE:HB2	1:B:64:MET:HB3	8	0.36
(1,3638)	1:B:34:LEU:HB3	1:B:21:PHE:HB3	12	0.36
(1,3638)	1:B:34:LEU:HB3	1:B:24:TYR:HB3	12	0.36
(1,3638)	1:B:34:LEU:HB3	1:B:42:PHE:HB3	12	0.36
(1,3637)	1:A:34:LEU:HB3	1:A:21:PHE:HB3	12	0.36
(1,3637)	1:A:34:LEU:HB3	1:A:24:TYR:HB3	12	0.36
(1,3637)	1:A:34:LEU:HB3	1:A:42:PHE:HB3	12	0.36
(1,3626)	1:B:34:LEU:HA	1:B:24:TYR:HB2	14	0.36
(1,3626)	1:B:34:LEU:HA	1:B:27:LYS:HE2	14	0.36
(1,3626)	1:B:34:LEU:HA	1:B:27:LYS:HE3	14	0.36
(1,3625)	1:A:34:LEU:HA	1:A:24:TYR:HB2	14	0.36
(1,3625)	1:A:34:LEU:HA	1:A:27:LYS:HE2	14	0.36
(1,3625)	1:A:34:LEU:HA	1:A:27:LYS:HE3	14	0.36
(1,355)	1:A:60:LEU:HB2	1:A:61:ASP:HB3	5	0.36
(1,3490)	1:B:13:CYS:HB2	1:B:81:LEU:HD22	3	0.36
(1,3490)	1:B:13:CYS:HB2	1:B:81:LEU:HD21	3	0.36
(1,3490)	1:B:13:CYS:HB2	1:B:81:LEU:HD23	3	0.36
(1,3490)	1:B:13:CYS:HB2	1:A:81:LEU:HD22	3	0.36
(1,3490)	1:B:13:CYS:HB2	1:A:81:LEU:HD21	3	0.36
(1,3490)	1:B:13:CYS:HB2	1:A:81:LEU:HD23	3	0.36
(1,3254)	1:B:62:ARG:H	1:B:61:ASP:HB2	12	0.36
(1,2775)	1:A:50:PHE:H	1:A:47:LEU:HB2	7	0.36
(1,2768)	1:B:80:PHE:H	1:B:75:LEU:HB2	19	0.36
(1,2767)	1:A:80:PHE:H	1:A:75:LEU:HB2	19	0.36
(1,2592)	1:B:26:GLY:H	1:B:24:TYR:HB3	12	0.36
(1,2591)	1:A:26:GLY:H	1:A:24:TYR:HB3	12	0.36
(1,1638)	1:B:38:GLU:HA	1:B:27:LYS:HD2	18	0.36
(1,1638)	1:B:38:GLU:HA	1:B:27:LYS:HD3	18	0.36
(1,1637)	1:A:38:GLU:HA	1:A:27:LYS:HD2	18	0.36
(1,1637)	1:A:38:GLU:HA	1:A:27:LYS:HD3	18	0.36
(2,86)	1:B:42:PHE:HB2	1:B:47:LEU:H	17	0.35
(2,85)	1:A:42:PHE:HB2	1:A:47:LEU:H	17	0.35
(1,708)	1:B:67:LEU:HB2	1:B:66:LYS:HB2	3	0.35
(1,708)	1:B:67:LEU:HB2	1:B:66:LYS:HB3	3	0.35
(1,707)	1:A:67:LEU:HB2	1:A:66:LYS:HB2	3	0.35
(1,707)	1:A:67:LEU:HB2	1:A:66:LYS:HB3	3	0.35
(1,692)	1:B:15:GLU:HG2	1:B:16:SER:H	6	0.35
(1,650)	1:B:15:GLU:HG2	1:B:16:SER:H	1	0.35
(1,650)	1:B:15:GLU:HG2	1:B:16:SER:H	18	0.35
(1,650)	1:B:15:GLU:HG2	1:B:16:SER:H	19	0.35
(1,649)	1:A:15:GLU:HG2	1:A:16:SER:H	1	0.35
(1,649)	1:A:15:GLU:HG2	1:A:16:SER:H	18	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,649)	1:A:15:GLU:HG2	1:A:16:SER:H	19	0.35
(1,622)	1:B:63:MET:H	1:B:62:ARG:HG2	5	0.35
(1,621)	1:A:63:MET:H	1:A:62:ARG:HG2	5	0.35
(1,621)	1:A:63:MET:H	1:A:62:ARG:HG2	6	0.35
(1,5676)	1:B:61:ASP:H	1:B:60:LEU:HG	4	0.35
(1,5676)	1:B:61:ASP:H	1:B:62:ARG:HB3	4	0.35
(1,5676)	1:B:61:ASP:H	1:B:62:ARG:HG2	4	0.35
(1,5675)	1:A:61:ASP:H	1:A:60:LEU:HG	4	0.35
(1,5675)	1:A:61:ASP:H	1:A:62:ARG:HB3	4	0.35
(1,5675)	1:A:61:ASP:H	1:A:62:ARG:HG2	4	0.35
(1,5461)	1:A:45:THR:H	1:A:46:GLU:HB3	4	0.35
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG21	4	0.35
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG22	4	0.35
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG23	4	0.35
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD12	4	0.35
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD11	4	0.35
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD13	4	0.35
(1,5461)	1:A:45:THR:H	1:A:46:GLU:HB3	20	0.35
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG21	20	0.35
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG22	20	0.35
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG23	20	0.35
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD12	20	0.35
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD11	20	0.35
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD13	20	0.35
(1,4920)	1:B:52:LYS:HA	1:B:43:MET:HB2	2	0.35
(1,4920)	1:B:52:LYS:HA	1:B:43:MET:HB3	2	0.35
(1,4920)	1:B:52:LYS:HA	1:B:47:LEU:HB3	2	0.35
(1,4920)	1:B:71:SER:HA	1:B:36:LYS:HD2	2	0.35
(1,4920)	1:B:71:SER:HA	1:B:36:LYS:HD3	2	0.35
(1,4920)	1:B:71:SER:HA	1:B:67:LEU:HB2	2	0.35
(1,4920)	1:B:71:SER:HA	1:B:74:GLN:HB3	2	0.35
(1,4920)	1:B:52:LYS:HA	1:B:43:MET:HB2	15	0.35
(1,4920)	1:B:52:LYS:HA	1:B:43:MET:HB3	15	0.35
(1,4920)	1:B:52:LYS:HA	1:B:47:LEU:HB3	15	0.35
(1,4920)	1:B:71:SER:HA	1:B:36:LYS:HD2	15	0.35
(1,4920)	1:B:71:SER:HA	1:B:36:LYS:HD3	15	0.35
(1,4920)	1:B:71:SER:HA	1:B:67:LEU:HB2	15	0.35
(1,4920)	1:B:71:SER:HA	1:B:74:GLN:HB3	15	0.35
(1,4919)	1:A:52:LYS:HA	1:A:43:MET:HB2	2	0.35
(1,4919)	1:A:52:LYS:HA	1:A:43:MET:HB3	2	0.35
(1,4919)	1:A:52:LYS:HA	1:A:47:LEU:HB3	2	0.35
(1,4919)	1:A:71:SER:HA	1:A:36:LYS:HD2	2	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4919)	1:A:71:SER:HA	1:A:36:LYS:HD3	2	0.35
(1,4919)	1:A:71:SER:HA	1:A:67:LEU:HB2	2	0.35
(1,4919)	1:A:71:SER:HA	1:A:74:GLN:HB3	2	0.35
(1,4919)	1:A:52:LYS:HA	1:A:43:MET:HB2	15	0.35
(1,4919)	1:A:52:LYS:HA	1:A:43:MET:HB3	15	0.35
(1,4919)	1:A:52:LYS:HA	1:A:47:LEU:HB3	15	0.35
(1,4919)	1:A:71:SER:HA	1:A:36:LYS:HD2	15	0.35
(1,4919)	1:A:71:SER:HA	1:A:36:LYS:HD3	15	0.35
(1,4919)	1:A:71:SER:HA	1:A:67:LEU:HB2	15	0.35
(1,4919)	1:A:71:SER:HA	1:A:74:GLN:HB3	15	0.35
(1,4858)	1:B:23:LYS:HB2	1:B:23:LYS:HE2	3	0.35
(1,4858)	1:B:23:LYS:HB2	1:B:23:LYS:HE3	3	0.35
(1,4858)	1:B:23:LYS:HB3	1:B:23:LYS:HE2	3	0.35
(1,4858)	1:B:23:LYS:HB3	1:B:23:LYS:HE3	3	0.35
(1,4858)	1:B:23:LYS:HB2	1:B:23:LYS:HE2	14	0.35
(1,4858)	1:B:23:LYS:HB2	1:B:23:LYS:HE3	14	0.35
(1,4858)	1:B:23:LYS:HB3	1:B:23:LYS:HE2	14	0.35
(1,4858)	1:B:23:LYS:HB3	1:B:23:LYS:HE3	14	0.35
(1,4857)	1:A:23:LYS:HB2	1:A:23:LYS:HE2	3	0.35
(1,4857)	1:A:23:LYS:HB2	1:A:23:LYS:HE3	3	0.35
(1,4857)	1:A:23:LYS:HB3	1:A:23:LYS:HE2	3	0.35
(1,4857)	1:A:23:LYS:HB3	1:A:23:LYS:HE3	3	0.35
(1,4857)	1:A:23:LYS:HB2	1:A:23:LYS:HE2	14	0.35
(1,4857)	1:A:23:LYS:HB2	1:A:23:LYS:HE3	14	0.35
(1,4857)	1:A:23:LYS:HB3	1:A:23:LYS:HE2	14	0.35
(1,4857)	1:A:23:LYS:HB3	1:A:23:LYS:HE3	14	0.35
(1,4839)	1:A:68:ASP:HB2	1:A:39:PHE:HB3	9	0.35
(1,4839)	1:A:68:ASP:HB2	1:A:72:ASP:HB2	9	0.35
(1,4839)	1:A:80:PHE:HB3	1:A:39:PHE:HB3	9	0.35
(1,4104)	1:B:42:PHE:HA	1:B:20:VAL:HB	12	0.35
(1,4104)	1:B:42:PHE:HA	1:B:38:GLU:HB2	12	0.35
(1,4103)	1:A:42:PHE:HA	1:A:20:VAL:HB	12	0.35
(1,4103)	1:A:42:PHE:HA	1:A:38:GLU:HB2	12	0.35
(1,4094)	1:B:11:GLU:HB2	1:B:13:CYS:HB3	3	0.35
(1,4094)	1:B:11:GLU:HB3	1:B:13:CYS:HB3	3	0.35
(1,4094)	1:B:12:ARG:HB2	1:B:13:CYS:HB3	3	0.35
(1,4094)	1:B:12:ARG:HB3	1:B:13:CYS:HB3	3	0.35
(1,4094)	1:B:38:GLU:HB3	1:B:27:LYS:HE2	3	0.35
(1,4094)	1:B:38:GLU:HB3	1:B:27:LYS:HE3	3	0.35
(1,4094)	1:B:62:ARG:HB2	1:B:66:LYS:HE2	3	0.35
(1,4094)	1:B:62:ARG:HB2	1:B:66:LYS:HE3	3	0.35
(1,4093)	1:A:11:GLU:HB2	1:A:13:CYS:HB3	3	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4093)	1:A:11:GLU:HB3	1:A:13:CYS:HB3	3	0.35
(1,4093)	1:A:12:ARG:HB2	1:A:13:CYS:HB3	3	0.35
(1,4093)	1:A:12:ARG:HB3	1:A:13:CYS:HB3	3	0.35
(1,4093)	1:A:38:GLU:HB3	1:A:27:LYS:HE2	3	0.35
(1,4093)	1:A:38:GLU:HB3	1:A:27:LYS:HE3	3	0.35
(1,4093)	1:A:62:ARG:HB2	1:A:66:LYS:HE2	3	0.35
(1,4093)	1:A:62:ARG:HB2	1:A:66:LYS:HE3	3	0.35
(1,4048)	1:B:52:LYS:HB2	1:B:53:ASN:HB3	2	0.35
(1,4048)	1:B:52:LYS:HB3	1:B:53:ASN:HB3	2	0.35
(1,4048)	1:B:74:GLN:HB2	1:B:76:ASP:HB3	2	0.35
(1,4048)	1:B:52:LYS:HB2	1:B:53:ASN:HB3	10	0.35
(1,4048)	1:B:52:LYS:HB3	1:B:53:ASN:HB3	10	0.35
(1,4048)	1:B:74:GLN:HB2	1:B:76:ASP:HB3	10	0.35
(1,4047)	1:A:52:LYS:HB2	1:A:53:ASN:HB3	2	0.35
(1,4047)	1:A:52:LYS:HB3	1:A:53:ASN:HB3	2	0.35
(1,4047)	1:A:74:GLN:HB2	1:A:76:ASP:HB3	2	0.35
(1,4030)	1:B:73:GLY:HA3	1:B:36:LYS:HD2	19	0.35
(1,4030)	1:B:73:GLY:HA3	1:B:36:LYS:HD3	19	0.35
(1,4030)	1:B:73:GLY:HA3	1:B:74:GLN:HB3	19	0.35
(1,4029)	1:A:73:GLY:HA3	1:A:36:LYS:HD2	19	0.35
(1,4029)	1:A:73:GLY:HA3	1:A:36:LYS:HD3	19	0.35
(1,4029)	1:A:73:GLY:HA3	1:A:74:GLN:HB3	19	0.35
(1,4012)	1:B:81:LEU:HD22	1:A:89:MET:HG3	16	0.35
(1,4012)	1:B:81:LEU:HD21	1:A:89:MET:HG3	16	0.35
(1,4012)	1:B:81:LEU:HD23	1:A:89:MET:HG3	16	0.35
(1,4012)	1:B:81:LEU:HD22	1:B:21:PHE:HB3	16	0.35
(1,4012)	1:B:81:LEU:HD21	1:B:21:PHE:HB3	16	0.35
(1,4012)	1:B:81:LEU:HD23	1:B:21:PHE:HB3	16	0.35
(1,4011)	1:A:81:LEU:HD22	1:B:89:MET:HG3	16	0.35
(1,4011)	1:A:81:LEU:HD21	1:B:89:MET:HG3	16	0.35
(1,4011)	1:A:81:LEU:HD23	1:B:89:MET:HG3	16	0.35
(1,4011)	1:A:81:LEU:HD22	1:A:21:PHE:HB3	16	0.35
(1,4011)	1:A:81:LEU:HD21	1:A:21:PHE:HB3	16	0.35
(1,4011)	1:A:81:LEU:HD23	1:A:21:PHE:HB3	16	0.35
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD12	14	0.35
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD11	14	0.35
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD13	14	0.35
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD12	14	0.35
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD11	14	0.35
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD13	14	0.35
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD12	14	0.35
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD11	14	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD13	14	0.35
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD12	14	0.35
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD11	14	0.35
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD13	14	0.35
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD12	14	0.35
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD11	14	0.35
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD13	14	0.35
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD12	14	0.35
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD11	14	0.35
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD13	14	0.35
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD22	14	0.35
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD21	14	0.35
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD23	14	0.35
(1,3838)	1:B:33:THR:HA	1:B:34:LEU:HG	19	0.35
(1,3838)	1:B:75:LEU:HB3	1:B:33:THR:HA	19	0.35
(1,3837)	1:A:33:THR:HA	1:A:34:LEU:HG	19	0.35
(1,3837)	1:A:75:LEU:HB3	1:A:33:THR:HA	19	0.35
(1,3802)	1:B:40:LEU:HA	1:B:36:LYS:HE2	16	0.35
(1,3802)	1:B:40:LEU:HA	1:B:36:LYS:HE3	16	0.35
(1,3802)	1:B:21:PHE:HB2	1:B:22:GLN:HA	16	0.35
(1,3801)	1:A:40:LEU:HA	1:A:36:LYS:HE2	16	0.35
(1,3801)	1:A:40:LEU:HA	1:A:36:LYS:HE3	16	0.35
(1,3801)	1:A:21:PHE:HB2	1:A:22:GLN:HA	16	0.35
(1,3785)	1:A:63:MET:HG3	1:A:61:ASP:H	10	0.35
(1,3785)	1:A:89:MET:HG3	1:A:87:LEU:H	10	0.35
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD22	9	0.35
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD21	9	0.35
(1,3714)	1:B:46:GLU:HB3	1:B:34:LEU:HD23	9	0.35
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD22	9	0.35
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD21	9	0.35
(1,3714)	1:B:46:GLU:HB3	1:B:87:LEU:HD23	9	0.35
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD22	9	0.35
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD21	9	0.35
(1,3713)	1:A:46:GLU:HB3	1:A:34:LEU:HD23	9	0.35
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD22	9	0.35
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD21	9	0.35
(1,3713)	1:A:46:GLU:HB3	1:A:87:LEU:HD23	9	0.35
(1,3680)	1:B:33:THR:HB	1:B:34:LEU:HG	4	0.35
(1,3680)	1:B:33:THR:HB	1:B:75:LEU:HB3	4	0.35
(1,3588)	1:B:75:LEU:HB2	1:B:76:ASP:HB2	14	0.35
(1,3588)	1:B:76:ASP:HB2	1:B:77:PHE:HB3	14	0.35
(1,3587)	1:A:75:LEU:HB2	1:A:76:ASP:HB2	14	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3587)	1:A:76:ASP:HB2	1:A:77:PHE:HB3	14	0.35
(1,3490)	1:B:13:CYS:HB2	1:B:81:LEU:HD22	2	0.35
(1,3490)	1:B:13:CYS:HB2	1:B:81:LEU:HD21	2	0.35
(1,3490)	1:B:13:CYS:HB2	1:B:81:LEU:HD23	2	0.35
(1,3490)	1:B:13:CYS:HB2	1:A:81:LEU:HD22	2	0.35
(1,3490)	1:B:13:CYS:HB2	1:A:81:LEU:HD21	2	0.35
(1,3490)	1:B:13:CYS:HB2	1:A:81:LEU:HD23	2	0.35
(1,3489)	1:A:13:CYS:HB2	1:A:81:LEU:HD22	2	0.35
(1,3489)	1:A:13:CYS:HB2	1:A:81:LEU:HD21	2	0.35
(1,3489)	1:A:13:CYS:HB2	1:A:81:LEU:HD23	2	0.35
(1,3489)	1:A:13:CYS:HB2	1:B:81:LEU:HD22	2	0.35
(1,3489)	1:A:13:CYS:HB2	1:B:81:LEU:HD21	2	0.35
(1,3489)	1:A:13:CYS:HB2	1:B:81:LEU:HD23	2	0.35
(1,3489)	1:A:13:CYS:HB2	1:A:81:LEU:HD22	3	0.35
(1,3489)	1:A:13:CYS:HB2	1:A:81:LEU:HD21	3	0.35
(1,3489)	1:A:13:CYS:HB2	1:A:81:LEU:HD23	3	0.35
(1,3489)	1:A:13:CYS:HB2	1:B:81:LEU:HD22	3	0.35
(1,3489)	1:A:13:CYS:HB2	1:B:81:LEU:HD21	3	0.35
(1,3489)	1:A:13:CYS:HB2	1:B:81:LEU:HD23	3	0.35
(1,2591)	1:A:26:GLY:H	1:A:24:TYR:HB3	17	0.35
(1,1608)	1:B:47:LEU:HB2	1:B:50:PHE:HB2	5	0.35
(1,1608)	1:B:47:LEU:HB2	1:B:50:PHE:HB3	5	0.35
(1,1608)	1:B:47:LEU:HB2	1:B:50:PHE:HB2	6	0.35
(1,1608)	1:B:47:LEU:HB2	1:B:50:PHE:HB3	6	0.35
(1,1607)	1:A:47:LEU:HB2	1:A:50:PHE:HB2	5	0.35
(1,1607)	1:A:47:LEU:HB2	1:A:50:PHE:HB3	5	0.35
(1,1607)	1:A:47:LEU:HB2	1:A:50:PHE:HB2	6	0.35
(1,1607)	1:A:47:LEU:HB2	1:A:50:PHE:HB3	6	0.35
(1,146)	1:B:78:SER:HB2	1:B:81:LEU:HB3	15	0.35
(1,146)	1:B:78:SER:HB3	1:B:81:LEU:HB3	15	0.35
(1,136)	1:B:89:MET:HG2	1:B:85:GLY:HA3	12	0.35
(1,135)	1:A:89:MET:HG2	1:A:85:GLY:HA3	1	0.35
(1,135)	1:A:89:MET:HG2	1:A:85:GLY:HA3	12	0.35
(1,1238)	1:B:62:ARG:HB3	1:B:59:VAL:HA	10	0.35
(1,1237)	1:A:62:ARG:HB3	1:A:59:VAL:HA	10	0.35
(1,884)	1:B:34:LEU:HB3	1:B:80:PHE:HB2	2	0.34
(1,883)	1:A:34:LEU:HB3	1:A:80:PHE:HB2	2	0.34
(1,692)	1:B:15:GLU:HG2	1:B:16:SER:H	15	0.34
(1,691)	1:A:15:GLU:HG2	1:A:16:SER:H	15	0.34
(1,650)	1:B:15:GLU:HG2	1:B:16:SER:H	3	0.34
(1,610)	1:B:63:MET:H	1:B:62:ARG:HG2	6	0.34
(1,5536)	1:B:23:LYS:H	1:B:20:VAL:HB	5	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5536)	1:B:23:LYS:H	1:B:22:GLN:HG2	5	0.34
(1,5536)	1:B:23:LYS:H	1:B:22:GLN:HG3	5	0.34
(1,5536)	1:B:23:LYS:H	1:B:24:TYR:HB3	5	0.34
(1,5535)	1:A:23:LYS:H	1:A:20:VAL:HB	5	0.34
(1,5535)	1:A:23:LYS:H	1:A:22:GLN:HG2	5	0.34
(1,5535)	1:A:23:LYS:H	1:A:22:GLN:HG3	5	0.34
(1,5535)	1:A:23:LYS:H	1:A:24:TYR:HB3	5	0.34
(1,5462)	1:B:45:THR:H	1:B:46:GLU:HB3	4	0.34
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG21	4	0.34
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG22	4	0.34
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG23	4	0.34
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD12	4	0.34
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD11	4	0.34
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD13	4	0.34
(1,5300)	1:B:26:GLY:H	1:B:23:LYS:HD2	18	0.34
(1,5300)	1:B:26:GLY:H	1:B:23:LYS:HD3	18	0.34
(1,5300)	1:B:26:GLY:H	1:B:34:LEU:HB3	18	0.34
(1,5299)	1:A:26:GLY:H	1:A:23:LYS:HD2	18	0.34
(1,5299)	1:A:26:GLY:H	1:A:23:LYS:HD3	18	0.34
(1,5299)	1:A:26:GLY:H	1:A:34:LEU:HB3	18	0.34
(1,5298)	1:B:26:GLY:H	1:B:23:LYS:HD2	18	0.34
(1,5298)	1:B:26:GLY:H	1:B:23:LYS:HD3	18	0.34
(1,5298)	1:B:26:GLY:H	1:B:34:LEU:HB3	18	0.34
(1,5297)	1:A:26:GLY:H	1:A:23:LYS:HD2	18	0.34
(1,5297)	1:A:26:GLY:H	1:A:23:LYS:HD3	18	0.34
(1,5297)	1:A:26:GLY:H	1:A:34:LEU:HB3	18	0.34
(1,5216)	1:B:34:LEU:H	1:B:21:PHE:HB3	14	0.34
(1,5216)	1:B:34:LEU:H	1:B:22:GLN:HG2	14	0.34
(1,5216)	1:B:34:LEU:H	1:B:22:GLN:HG3	14	0.34
(1,5216)	1:B:34:LEU:H	1:B:64:MET:HG2	14	0.34
(1,5216)	1:B:34:LEU:H	1:B:64:MET:HG3	14	0.34
(1,5216)	1:B:34:LEU:H	1:B:77:PHE:HB2	14	0.34
(1,5215)	1:A:34:LEU:H	1:A:21:PHE:HB3	14	0.34
(1,5215)	1:A:34:LEU:H	1:A:22:GLN:HG2	14	0.34
(1,5215)	1:A:34:LEU:H	1:A:22:GLN:HG3	14	0.34
(1,5215)	1:A:34:LEU:H	1:A:64:MET:HG2	14	0.34
(1,5215)	1:A:34:LEU:H	1:A:64:MET:HG3	14	0.34
(1,5215)	1:A:34:LEU:H	1:A:77:PHE:HB2	14	0.34
(1,4920)	1:B:52:LYS:HA	1:B:43:MET:HB2	7	0.34
(1,4920)	1:B:52:LYS:HA	1:B:43:MET:HB3	7	0.34
(1,4920)	1:B:52:LYS:HA	1:B:47:LEU:HB3	7	0.34
(1,4920)	1:B:71:SER:HA	1:B:36:LYS:HD2	7	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4920)	1:B:71:SER:HA	1:B:36:LYS:HD3	7	0.34
(1,4920)	1:B:71:SER:HA	1:B:67:LEU:HB2	7	0.34
(1,4920)	1:B:71:SER:HA	1:B:74:GLN:HB3	7	0.34
(1,4919)	1:A:52:LYS:HA	1:A:43:MET:HB2	7	0.34
(1,4919)	1:A:52:LYS:HA	1:A:43:MET:HB3	7	0.34
(1,4919)	1:A:52:LYS:HA	1:A:47:LEU:HB3	7	0.34
(1,4919)	1:A:71:SER:HA	1:A:36:LYS:HD2	7	0.34
(1,4919)	1:A:71:SER:HA	1:A:36:LYS:HD3	7	0.34
(1,4919)	1:A:71:SER:HA	1:A:67:LEU:HB2	7	0.34
(1,4919)	1:A:71:SER:HA	1:A:74:GLN:HB3	7	0.34
(1,475)	1:A:67:LEU:HB3	1:A:75:LEU:HB2	10	0.34
(1,4024)	1:B:83:LEU:HB3	1:B:66:LYS:HE2	6	0.34
(1,4024)	1:B:83:LEU:HB3	1:B:66:LYS:HE3	6	0.34
(1,4024)	1:B:83:LEU:HB3	1:B:82:ASN:HB2	6	0.34
(1,4023)	1:A:83:LEU:HB3	1:A:66:LYS:HE2	6	0.34
(1,4023)	1:A:83:LEU:HB3	1:A:66:LYS:HE3	6	0.34
(1,4023)	1:A:83:LEU:HB3	1:A:82:ASN:HB2	6	0.34
(1,4012)	1:B:81:LEU:HD22	1:A:89:MET:HG3	7	0.34
(1,4012)	1:B:81:LEU:HD21	1:A:89:MET:HG3	7	0.34
(1,4012)	1:B:81:LEU:HD23	1:A:89:MET:HG3	7	0.34
(1,4012)	1:B:81:LEU:HD22	1:B:21:PHE:HB3	7	0.34
(1,4012)	1:B:81:LEU:HD21	1:B:21:PHE:HB3	7	0.34
(1,4012)	1:B:81:LEU:HD23	1:B:21:PHE:HB3	7	0.34
(1,3935)	1:A:82:ASN:HB3	1:A:66:LYS:HD2	13	0.34
(1,3935)	1:A:82:ASN:HB3	1:A:66:LYS:HD3	13	0.34
(1,3935)	1:A:82:ASN:HB3	1:A:67:LEU:HB2	13	0.34
(1,3935)	1:A:82:ASN:HB3	1:A:83:LEU:HB3	13	0.34
(1,3926)	1:B:15:GLU:HB2	1:B:13:CYS:HB3	3	0.34
(1,3926)	1:B:15:GLU:HB3	1:B:13:CYS:HB3	3	0.34
(1,3926)	1:B:15:GLU:HB2	1:A:91:CYS:HB2	3	0.34
(1,3926)	1:B:15:GLU:HB2	1:A:91:CYS:HB3	3	0.34
(1,3926)	1:B:15:GLU:HB3	1:A:91:CYS:HB2	3	0.34
(1,3926)	1:B:15:GLU:HB3	1:A:91:CYS:HB3	3	0.34
(1,3926)	1:B:9:GLU:HB2	1:B:13:CYS:HB3	3	0.34
(1,3926)	1:B:9:GLU:HB3	1:B:13:CYS:HB3	3	0.34
(1,3926)	1:B:15:GLU:HB2	1:B:13:CYS:HB3	19	0.34
(1,3926)	1:B:15:GLU:HB3	1:B:13:CYS:HB3	19	0.34
(1,3926)	1:B:15:GLU:HB2	1:A:91:CYS:HB2	19	0.34
(1,3926)	1:B:15:GLU:HB2	1:A:91:CYS:HB3	19	0.34
(1,3926)	1:B:15:GLU:HB3	1:A:91:CYS:HB2	19	0.34
(1,3926)	1:B:15:GLU:HB3	1:A:91:CYS:HB3	19	0.34
(1,3926)	1:B:9:GLU:HB2	1:B:13:CYS:HB3	19	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3926)	1:B:9:GLU:HB3	1:B:13:CYS:HB3	19	0.34
(1,3926)	1:B:15:GLU:HB2	1:B:13:CYS:HB3	20	0.34
(1,3926)	1:B:15:GLU:HB3	1:B:13:CYS:HB3	20	0.34
(1,3926)	1:B:15:GLU:HB2	1:A:91:CYS:HB2	20	0.34
(1,3926)	1:B:15:GLU:HB2	1:A:91:CYS:HB3	20	0.34
(1,3926)	1:B:15:GLU:HB3	1:A:91:CYS:HB2	20	0.34
(1,3926)	1:B:15:GLU:HB3	1:A:91:CYS:HB3	20	0.34
(1,3926)	1:B:9:GLU:HB2	1:B:13:CYS:HB3	20	0.34
(1,3926)	1:B:9:GLU:HB3	1:B:13:CYS:HB3	20	0.34
(1,3925)	1:A:15:GLU:HB2	1:A:13:CYS:HB3	20	0.34
(1,3925)	1:A:15:GLU:HB3	1:A:13:CYS:HB3	20	0.34
(1,3925)	1:A:15:GLU:HB2	1:B:91:CYS:HB2	20	0.34
(1,3925)	1:A:15:GLU:HB2	1:B:91:CYS:HB3	20	0.34
(1,3925)	1:A:15:GLU:HB3	1:B:91:CYS:HB2	20	0.34
(1,3925)	1:A:15:GLU:HB3	1:B:91:CYS:HB3	20	0.34
(1,3925)	1:A:9:GLU:HB2	1:A:13:CYS:HB3	20	0.34
(1,3925)	1:A:9:GLU:HB3	1:A:13:CYS:HB3	20	0.34
(1,3842)	1:B:63:MET:HG3	1:B:61:ASP:H	10	0.34
(1,3842)	1:B:89:MET:HG3	1:B:86:GLY:H	10	0.34
(1,3841)	1:A:63:MET:HG3	1:A:61:ASP:H	10	0.34
(1,3841)	1:A:89:MET:HG3	1:A:86:GLY:H	10	0.34
(1,3838)	1:B:33:THR:HA	1:B:34:LEU:HG	10	0.34
(1,3838)	1:B:75:LEU:HB3	1:B:33:THR:HA	10	0.34
(1,3838)	1:B:33:THR:HA	1:B:34:LEU:HG	11	0.34
(1,3838)	1:B:75:LEU:HB3	1:B:33:THR:HA	11	0.34
(1,3837)	1:A:33:THR:HA	1:A:34:LEU:HG	10	0.34
(1,3837)	1:A:75:LEU:HB3	1:A:33:THR:HA	10	0.34
(1,3837)	1:A:33:THR:HA	1:A:34:LEU:HG	11	0.34
(1,3837)	1:A:75:LEU:HB3	1:A:33:THR:HA	11	0.34
(1,3680)	1:B:33:THR:HB	1:B:34:LEU:HG	20	0.34
(1,3680)	1:B:33:THR:HB	1:B:75:LEU:HB3	20	0.34
(1,3679)	1:A:33:THR:HB	1:A:34:LEU:HG	4	0.34
(1,3679)	1:A:33:THR:HB	1:A:75:LEU:HB3	4	0.34
(1,3679)	1:A:33:THR:HB	1:A:34:LEU:HG	20	0.34
(1,3679)	1:A:33:THR:HB	1:A:75:LEU:HB3	20	0.34
(1,3626)	1:B:34:LEU:HA	1:B:24:TYR:HB2	7	0.34
(1,3626)	1:B:34:LEU:HA	1:B:27:LYS:HE2	7	0.34
(1,3626)	1:B:34:LEU:HA	1:B:27:LYS:HE3	7	0.34
(1,3625)	1:A:34:LEU:HA	1:A:24:TYR:HB2	7	0.34
(1,3625)	1:A:34:LEU:HA	1:A:27:LYS:HE2	7	0.34
(1,3625)	1:A:34:LEU:HA	1:A:27:LYS:HE3	7	0.34
(1,3588)	1:B:75:LEU:HB2	1:B:76:ASP:HB2	1	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3588)	1:B:76:ASP:HB2	1:B:77:PHE:HB3	1	0.34
(1,3588)	1:B:75:LEU:HB2	1:B:76:ASP:HB2	6	0.34
(1,3588)	1:B:76:ASP:HB2	1:B:77:PHE:HB3	6	0.34
(1,3588)	1:B:75:LEU:HB2	1:B:76:ASP:HB2	10	0.34
(1,3588)	1:B:76:ASP:HB2	1:B:77:PHE:HB3	10	0.34
(1,3587)	1:A:75:LEU:HB2	1:A:76:ASP:HB2	6	0.34
(1,3587)	1:A:76:ASP:HB2	1:A:77:PHE:HB3	6	0.34
(1,3587)	1:A:75:LEU:HB2	1:A:76:ASP:HB2	10	0.34
(1,3587)	1:A:76:ASP:HB2	1:A:77:PHE:HB3	10	0.34
(1,2768)	1:B:80:PHE:H	1:B:75:LEU:HB2	6	0.34
(1,2768)	1:B:80:PHE:H	1:B:75:LEU:HB2	8	0.34
(1,2768)	1:B:80:PHE:H	1:B:75:LEU:HB2	13	0.34
(1,2768)	1:B:80:PHE:H	1:B:75:LEU:HB2	17	0.34
(1,2767)	1:A:80:PHE:H	1:A:75:LEU:HB2	6	0.34
(1,2767)	1:A:80:PHE:H	1:A:75:LEU:HB2	8	0.34
(1,2767)	1:A:80:PHE:H	1:A:75:LEU:HB2	13	0.34
(1,2767)	1:A:80:PHE:H	1:A:75:LEU:HB2	17	0.34
(1,268)	1:B:75:LEU:HB3	1:B:39:PHE:HB3	19	0.34
(1,267)	1:A:75:LEU:HB3	1:A:39:PHE:HB3	19	0.34
(1,2592)	1:B:26:GLY:H	1:B:24:TYR:HB3	17	0.34
(1,252)	1:B:76:ASP:HB2	1:B:77:PHE:HB2	5	0.34
(1,1870)	1:B:20:VAL:HG12	1:B:21:PHE:H	10	0.34
(1,1870)	1:B:20:VAL:HG11	1:B:21:PHE:H	10	0.34
(1,1870)	1:B:20:VAL:HG13	1:B:21:PHE:H	10	0.34
(1,1869)	1:A:20:VAL:HG12	1:A:21:PHE:H	10	0.34
(1,1869)	1:A:20:VAL:HG11	1:A:21:PHE:H	10	0.34
(1,1869)	1:A:20:VAL:HG13	1:A:21:PHE:H	10	0.34
(1,145)	1:A:78:SER:HB2	1:A:81:LEU:HB3	15	0.34
(1,145)	1:A:78:SER:HB3	1:A:81:LEU:HB3	15	0.34
(1,136)	1:B:89:MET:HG2	1:B:85:GLY:HA3	1	0.34
(1,1238)	1:B:62:ARG:HB3	1:B:59:VAL:HA	13	0.34
(1,1237)	1:A:62:ARG:HB3	1:A:59:VAL:HA	13	0.34
(2,30)	1:B:10:THR:HA	1:B:11:GLU:HG2	18	0.33
(2,29)	1:A:10:THR:HA	1:A:11:GLU:HG2	18	0.33
(1,650)	1:B:15:GLU:HG2	1:B:16:SER:H	11	0.33
(1,650)	1:B:15:GLU:HG2	1:B:16:SER:H	14	0.33
(1,649)	1:A:15:GLU:HG2	1:A:16:SER:H	3	0.33
(1,610)	1:B:63:MET:H	1:B:62:ARG:HG2	5	0.33
(1,609)	1:A:63:MET:H	1:A:62:ARG:HG2	5	0.33
(1,609)	1:A:63:MET:H	1:A:62:ARG:HG2	6	0.33
(1,5300)	1:B:26:GLY:H	1:B:23:LYS:HD2	1	0.33
(1,5300)	1:B:26:GLY:H	1:B:23:LYS:HD3	1	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5300)	1:B:26:GLY:H	1:B:34:LEU:HB3	1	0.33
(1,5299)	1:A:26:GLY:H	1:A:23:LYS:HD2	1	0.33
(1,5299)	1:A:26:GLY:H	1:A:23:LYS:HD3	1	0.33
(1,5299)	1:A:26:GLY:H	1:A:34:LEU:HB3	1	0.33
(1,5298)	1:B:26:GLY:H	1:B:23:LYS:HD2	1	0.33
(1,5298)	1:B:26:GLY:H	1:B:23:LYS:HD3	1	0.33
(1,5298)	1:B:26:GLY:H	1:B:34:LEU:HB3	1	0.33
(1,5297)	1:A:26:GLY:H	1:A:23:LYS:HD2	1	0.33
(1,5297)	1:A:26:GLY:H	1:A:23:LYS:HD3	1	0.33
(1,5297)	1:A:26:GLY:H	1:A:34:LEU:HB3	1	0.33
(1,4840)	1:B:68:ASP:HB2	1:B:39:PHE:HB3	13	0.33
(1,4840)	1:B:68:ASP:HB2	1:B:72:ASP:HB2	13	0.33
(1,4840)	1:B:80:PHE:HB3	1:B:39:PHE:HB3	13	0.33
(1,4839)	1:A:68:ASP:HB2	1:A:39:PHE:HB3	13	0.33
(1,4839)	1:A:68:ASP:HB2	1:A:72:ASP:HB2	13	0.33
(1,4839)	1:A:80:PHE:HB3	1:A:39:PHE:HB3	13	0.33
(1,476)	1:B:67:LEU:HB3	1:B:75:LEU:HB2	10	0.33
(1,4654)	1:B:94:SER:HB2	1:B:99:VAL:HB	10	0.33
(1,4654)	1:B:94:SER:HB3	1:B:99:VAL:HB	10	0.33
(1,4654)	1:B:94:SER:HB2	1:B:100:PRO:HB3	10	0.33
(1,4654)	1:B:94:SER:HB3	1:B:100:PRO:HB3	10	0.33
(1,4654)	1:B:94:SER:HB2	1:B:100:PRO:HG2	10	0.33
(1,4654)	1:B:94:SER:HB3	1:B:100:PRO:HG2	10	0.33
(1,4654)	1:B:94:SER:HB2	1:B:100:PRO:HG3	10	0.33
(1,4654)	1:B:94:SER:HB3	1:B:100:PRO:HG3	10	0.33
(1,4654)	1:B:94:SER:HB2	1:A:11:GLU:HB2	10	0.33
(1,4654)	1:B:94:SER:HB2	1:A:11:GLU:HB3	10	0.33
(1,4654)	1:B:94:SER:HB3	1:A:11:GLU:HB2	10	0.33
(1,4654)	1:B:94:SER:HB3	1:A:11:GLU:HB3	10	0.33
(1,4654)	1:B:94:SER:HB2	1:A:14:ILE:HB	10	0.33
(1,4654)	1:B:94:SER:HB3	1:A:14:ILE:HB	10	0.33
(1,4654)	1:B:94:SER:HB2	1:A:22:GLN:HB2	10	0.33
(1,4654)	1:B:94:SER:HB2	1:A:22:GLN:HB3	10	0.33
(1,4654)	1:B:94:SER:HB3	1:A:22:GLN:HB2	10	0.33
(1,4654)	1:B:94:SER:HB3	1:A:22:GLN:HB3	10	0.33
(1,4653)	1:A:94:SER:HB2	1:A:99:VAL:HB	10	0.33
(1,4653)	1:A:94:SER:HB3	1:A:99:VAL:HB	10	0.33
(1,4653)	1:A:94:SER:HB2	1:A:100:PRO:HB3	10	0.33
(1,4653)	1:A:94:SER:HB3	1:A:100:PRO:HB3	10	0.33
(1,4653)	1:A:94:SER:HB2	1:A:100:PRO:HG2	10	0.33
(1,4653)	1:A:94:SER:HB3	1:A:100:PRO:HG2	10	0.33
(1,4653)	1:A:94:SER:HB2	1:A:100:PRO:HG3	10	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4653)	1:A:94:SER:HB3	1:A:100:PRO:HG3	10	0.33
(1,4653)	1:A:94:SER:HB2	1:B:11:GLU:HB2	10	0.33
(1,4653)	1:A:94:SER:HB2	1:B:11:GLU:HB3	10	0.33
(1,4653)	1:A:94:SER:HB3	1:B:11:GLU:HB2	10	0.33
(1,4653)	1:A:94:SER:HB3	1:B:11:GLU:HB3	10	0.33
(1,4653)	1:A:94:SER:HB2	1:B:14:ILE:HB	10	0.33
(1,4653)	1:A:94:SER:HB3	1:B:14:ILE:HB	10	0.33
(1,4653)	1:A:94:SER:HB2	1:B:22:GLN:HB2	10	0.33
(1,4653)	1:A:94:SER:HB2	1:B:22:GLN:HB3	10	0.33
(1,4653)	1:A:94:SER:HB3	1:B:22:GLN:HB2	10	0.33
(1,4653)	1:A:94:SER:HB3	1:B:22:GLN:HB3	10	0.33
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD22	1	0.33
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD21	1	0.33
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD23	1	0.33
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD22	1	0.33
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD21	1	0.33
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD23	1	0.33
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD22	9	0.33
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD21	9	0.33
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD23	9	0.33
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD22	9	0.33
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD21	9	0.33
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD23	9	0.33
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD22	1	0.33
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD21	1	0.33
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD23	1	0.33
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD22	1	0.33
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD21	1	0.33
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD23	1	0.33
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD22	9	0.33
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD21	9	0.33
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD23	9	0.33
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD22	9	0.33
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD21	9	0.33
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD23	9	0.33
(1,4048)	1:B:52:LYS:HB2	1:B:53:ASN:HB3	1	0.33
(1,4048)	1:B:52:LYS:HB3	1:B:53:ASN:HB3	1	0.33
(1,4048)	1:B:74:GLN:HB2	1:B:76:ASP:HB3	1	0.33
(1,4047)	1:A:52:LYS:HB2	1:A:53:ASN:HB3	1	0.33
(1,4047)	1:A:52:LYS:HB3	1:A:53:ASN:HB3	1	0.33
(1,4047)	1:A:74:GLN:HB2	1:A:76:ASP:HB3	1	0.33
(1,4030)	1:B:73:GLY:HA3	1:B:36:LYS:HD2	1	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4030)	1:B:73:GLY:HA3	1:B:36:LYS:HD3	1	0.33
(1,4030)	1:B:73:GLY:HA3	1:B:74:GLN:HB3	1	0.33
(1,4029)	1:A:73:GLY:HA3	1:A:36:LYS:HD2	1	0.33
(1,4029)	1:A:73:GLY:HA3	1:A:36:LYS:HD3	1	0.33
(1,4029)	1:A:73:GLY:HA3	1:A:74:GLN:HB3	1	0.33
(1,3936)	1:B:82:ASN:HB3	1:B:66:LYS:HD2	13	0.33
(1,3936)	1:B:82:ASN:HB3	1:B:66:LYS:HD3	13	0.33
(1,3936)	1:B:82:ASN:HB3	1:B:67:LEU:HB2	13	0.33
(1,3936)	1:B:82:ASN:HB3	1:B:83:LEU:HB3	13	0.33
(1,3926)	1:B:15:GLU:HB2	1:B:13:CYS:HB3	2	0.33
(1,3926)	1:B:15:GLU:HB3	1:B:13:CYS:HB3	2	0.33
(1,3926)	1:B:15:GLU:HB2	1:A:91:CYS:HB2	2	0.33
(1,3926)	1:B:15:GLU:HB2	1:A:91:CYS:HB3	2	0.33
(1,3926)	1:B:15:GLU:HB3	1:A:91:CYS:HB2	2	0.33
(1,3926)	1:B:15:GLU:HB3	1:A:91:CYS:HB3	2	0.33
(1,3926)	1:B:9:GLU:HB2	1:B:13:CYS:HB3	2	0.33
(1,3926)	1:B:9:GLU:HB3	1:B:13:CYS:HB3	2	0.33
(1,3925)	1:A:15:GLU:HB2	1:A:13:CYS:HB3	2	0.33
(1,3925)	1:A:15:GLU:HB3	1:A:13:CYS:HB3	2	0.33
(1,3925)	1:A:15:GLU:HB2	1:B:91:CYS:HB2	2	0.33
(1,3925)	1:A:15:GLU:HB2	1:B:91:CYS:HB3	2	0.33
(1,3925)	1:A:15:GLU:HB3	1:B:91:CYS:HB2	2	0.33
(1,3925)	1:A:15:GLU:HB3	1:B:91:CYS:HB3	2	0.33
(1,3925)	1:A:9:GLU:HB2	1:A:13:CYS:HB3	2	0.33
(1,3925)	1:A:9:GLU:HB3	1:A:13:CYS:HB3	2	0.33
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD12	10	0.33
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD11	10	0.33
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD13	10	0.33
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD12	10	0.33
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD11	10	0.33
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD13	10	0.33
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD12	10	0.33
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD11	10	0.33
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD13	10	0.33
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD12	10	0.33
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD11	10	0.33
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD13	10	0.33
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD12	10	0.33
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD11	10	0.33
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD13	10	0.33
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD12	10	0.33
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD11	10	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD13	10	0.33
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD22	10	0.33
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD21	10	0.33
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD23	10	0.33
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD12	10	0.33
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD11	10	0.33
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD13	10	0.33
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD12	10	0.33
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD11	10	0.33
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD13	10	0.33
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD12	10	0.33
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD11	10	0.33
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD13	10	0.33
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD12	10	0.33
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD11	10	0.33
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD13	10	0.33
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD12	10	0.33
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD11	10	0.33
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD13	10	0.33
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD12	10	0.33
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD11	10	0.33
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD13	10	0.33
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD22	10	0.33
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD21	10	0.33
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD23	10	0.33
(1,3588)	1:B:75:LEU:HB2	1:B:76:ASP:HB2	4	0.33
(1,3588)	1:B:76:ASP:HB2	1:B:77:PHE:HB3	4	0.33
(1,3587)	1:A:75:LEU:HB2	1:A:76:ASP:HB2	1	0.33
(1,3587)	1:A:76:ASP:HB2	1:A:77:PHE:HB3	1	0.33
(1,3587)	1:A:75:LEU:HB2	1:A:76:ASP:HB2	4	0.33
(1,3587)	1:A:76:ASP:HB2	1:A:77:PHE:HB3	4	0.33
(1,2776)	1:B:50:PHE:H	1:B:47:LEU:HB2	15	0.33
(1,2775)	1:A:50:PHE:H	1:A:47:LEU:HB2	15	0.33
(1,251)	1:A:76:ASP:HB2	1:A:77:PHE:HB2	5	0.33
(1,1870)	1:B:20:VAL:HG12	1:B:21:PHE:H	16	0.33
(1,1870)	1:B:20:VAL:HG11	1:B:21:PHE:H	16	0.33
(1,1870)	1:B:20:VAL:HG13	1:B:21:PHE:H	16	0.33
(1,1869)	1:A:20:VAL:HG12	1:A:21:PHE:H	16	0.33
(1,1869)	1:A:20:VAL:HG11	1:A:21:PHE:H	16	0.33
(1,1869)	1:A:20:VAL:HG13	1:A:21:PHE:H	16	0.33
(1,1608)	1:B:47:LEU:HB2	1:B:50:PHE:HB2	3	0.33
(1,1608)	1:B:47:LEU:HB2	1:B:50:PHE:HB3	3	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1608)	1:B:47:LEU:HB2	1:B:50:PHE:HB2	8	0.33
(1,1608)	1:B:47:LEU:HB2	1:B:50:PHE:HB3	8	0.33
(1,1607)	1:A:47:LEU:HB2	1:A:50:PHE:HB2	3	0.33
(1,1607)	1:A:47:LEU:HB2	1:A:50:PHE:HB3	3	0.33
(1,1607)	1:A:47:LEU:HB2	1:A:50:PHE:HB2	8	0.33
(1,1607)	1:A:47:LEU:HB2	1:A:50:PHE:HB3	8	0.33
(1,136)	1:B:89:MET:HG2	1:B:85:GLY:HA3	4	0.33
(1,135)	1:A:89:MET:HG2	1:A:85:GLY:HA3	4	0.33
(1,1238)	1:B:62:ARG:HB3	1:B:59:VAL:HA	7	0.33
(1,1237)	1:A:62:ARG:HB3	1:A:59:VAL:HA	1	0.33
(1,650)	1:B:15:GLU:HG2	1:B:16:SER:H	2	0.32
(1,650)	1:B:15:GLU:HG2	1:B:16:SER:H	10	0.32
(1,649)	1:A:15:GLU:HG2	1:A:16:SER:H	2	0.32
(1,649)	1:A:15:GLU:HG2	1:A:16:SER:H	10	0.32
(1,649)	1:A:15:GLU:HG2	1:A:16:SER:H	11	0.32
(1,649)	1:A:15:GLU:HG2	1:A:16:SER:H	14	0.32
(1,5676)	1:B:61:ASP:H	1:B:60:LEU:HG	8	0.32
(1,5676)	1:B:61:ASP:H	1:B:62:ARG:HB3	8	0.32
(1,5676)	1:B:61:ASP:H	1:B:62:ARG:HG2	8	0.32
(1,5675)	1:A:61:ASP:H	1:A:60:LEU:HG	8	0.32
(1,5675)	1:A:61:ASP:H	1:A:62:ARG:HB3	8	0.32
(1,5675)	1:A:61:ASP:H	1:A:62:ARG:HG2	8	0.32
(1,5462)	1:B:45:THR:H	1:B:46:GLU:HB3	14	0.32
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG21	14	0.32
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG22	14	0.32
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG23	14	0.32
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD12	14	0.32
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD11	14	0.32
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD13	14	0.32
(1,5461)	1:A:45:THR:H	1:A:46:GLU:HB3	14	0.32
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG21	14	0.32
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG22	14	0.32
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG23	14	0.32
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD12	14	0.32
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD11	14	0.32
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD13	14	0.32
(1,5300)	1:B:26:GLY:H	1:B:23:LYS:HD2	2	0.32
(1,5300)	1:B:26:GLY:H	1:B:23:LYS:HD3	2	0.32
(1,5300)	1:B:26:GLY:H	1:B:34:LEU:HB3	2	0.32
(1,5300)	1:B:26:GLY:H	1:B:23:LYS:HD2	12	0.32
(1,5300)	1:B:26:GLY:H	1:B:23:LYS:HD3	12	0.32
(1,5300)	1:B:26:GLY:H	1:B:34:LEU:HB3	12	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5299)	1:A:26:GLY:H	1:A:23:LYS:HD2	2	0.32
(1,5299)	1:A:26:GLY:H	1:A:23:LYS:HD3	2	0.32
(1,5299)	1:A:26:GLY:H	1:A:34:LEU:HB3	2	0.32
(1,5299)	1:A:26:GLY:H	1:A:23:LYS:HD2	12	0.32
(1,5299)	1:A:26:GLY:H	1:A:23:LYS:HD3	12	0.32
(1,5299)	1:A:26:GLY:H	1:A:34:LEU:HB3	12	0.32
(1,5298)	1:B:26:GLY:H	1:B:23:LYS:HD2	2	0.32
(1,5298)	1:B:26:GLY:H	1:B:23:LYS:HD3	2	0.32
(1,5298)	1:B:26:GLY:H	1:B:34:LEU:HB3	2	0.32
(1,5298)	1:B:26:GLY:H	1:B:23:LYS:HD2	12	0.32
(1,5298)	1:B:26:GLY:H	1:B:23:LYS:HD3	12	0.32
(1,5298)	1:B:26:GLY:H	1:B:34:LEU:HB3	12	0.32
(1,5297)	1:A:26:GLY:H	1:A:23:LYS:HD2	2	0.32
(1,5297)	1:A:26:GLY:H	1:A:23:LYS:HD3	2	0.32
(1,5297)	1:A:26:GLY:H	1:A:34:LEU:HB3	2	0.32
(1,5297)	1:A:26:GLY:H	1:A:23:LYS:HD2	12	0.32
(1,5297)	1:A:26:GLY:H	1:A:23:LYS:HD3	12	0.32
(1,5297)	1:A:26:GLY:H	1:A:34:LEU:HB3	12	0.32
(1,4782)	1:B:8:THR:HB	1:B:7:PRO:HG2	15	0.32
(1,4782)	1:B:8:THR:HB	1:B:7:PRO:HG3	15	0.32
(1,4782)	1:B:74:GLN:HA	1:B:40:LEU:HG	15	0.32
(1,4781)	1:A:8:THR:HB	1:A:7:PRO:HG2	15	0.32
(1,4781)	1:A:8:THR:HB	1:A:7:PRO:HG3	15	0.32
(1,4781)	1:A:74:GLN:HA	1:A:40:LEU:HG	15	0.32
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD22	14	0.32
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD21	14	0.32
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD23	14	0.32
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD22	14	0.32
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD21	14	0.32
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD23	14	0.32
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD22	14	0.32
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD21	14	0.32
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD23	14	0.32
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD22	14	0.32
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD21	14	0.32
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD23	14	0.32
(1,4272)	1:B:82:ASN:HA	1:B:83:LEU:HA	10	0.32
(1,4272)	1:B:82:ASN:HA	1:B:85:GLY:HA2	10	0.32
(1,4196)	1:B:52:LYS:HD2	1:B:53:ASN:HB3	6	0.32
(1,4196)	1:B:52:LYS:HD3	1:B:53:ASN:HB3	6	0.32
(1,4196)	1:B:52:LYS:HD2	1:B:44:ASN:HB3	6	0.32
(1,4196)	1:B:52:LYS:HD3	1:B:44:ASN:HB3	6	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4196)	1:B:52:LYS:HB2	1:B:53:ASN:HB3	6	0.32
(1,4196)	1:B:52:LYS:HB3	1:B:53:ASN:HB3	6	0.32
(1,4195)	1:A:52:LYS:HD2	1:A:53:ASN:HB3	6	0.32
(1,4195)	1:A:52:LYS:HD3	1:A:53:ASN:HB3	6	0.32
(1,4195)	1:A:52:LYS:HD2	1:A:44:ASN:HB3	6	0.32
(1,4195)	1:A:52:LYS:HD3	1:A:44:ASN:HB3	6	0.32
(1,4195)	1:A:52:LYS:HB2	1:A:53:ASN:HB3	6	0.32
(1,4195)	1:A:52:LYS:HB3	1:A:53:ASN:HB3	6	0.32
(1,4012)	1:B:81:LEU:HD22	1:A:89:MET:HG3	3	0.32
(1,4012)	1:B:81:LEU:HD21	1:A:89:MET:HG3	3	0.32
(1,4012)	1:B:81:LEU:HD23	1:A:89:MET:HG3	3	0.32
(1,4012)	1:B:81:LEU:HD22	1:B:21:PHE:HB3	3	0.32
(1,4012)	1:B:81:LEU:HD21	1:B:21:PHE:HB3	3	0.32
(1,4012)	1:B:81:LEU:HD23	1:B:21:PHE:HB3	3	0.32
(1,4011)	1:A:81:LEU:HD22	1:B:89:MET:HG3	7	0.32
(1,4011)	1:A:81:LEU:HD21	1:B:89:MET:HG3	7	0.32
(1,4011)	1:A:81:LEU:HD23	1:B:89:MET:HG3	7	0.32
(1,4011)	1:A:81:LEU:HD22	1:A:21:PHE:HB3	7	0.32
(1,4011)	1:A:81:LEU:HD21	1:A:21:PHE:HB3	7	0.32
(1,4011)	1:A:81:LEU:HD23	1:A:21:PHE:HB3	7	0.32
(1,3838)	1:B:33:THR:HA	1:B:34:LEU:HG	17	0.32
(1,3838)	1:B:75:LEU:HB3	1:B:33:THR:HA	17	0.32
(1,3837)	1:A:33:THR:HA	1:A:34:LEU:HG	17	0.32
(1,3837)	1:A:75:LEU:HB3	1:A:33:THR:HA	17	0.32
(1,3778)	1:B:57:PRO:HA	1:B:61:ASP:HB3	8	0.32
(1,3778)	1:B:57:PRO:HA	1:B:63:MET:HG3	8	0.32
(1,3777)	1:A:57:PRO:HA	1:A:61:ASP:HB3	8	0.32
(1,3777)	1:A:57:PRO:HA	1:A:63:MET:HG3	8	0.32
(1,3680)	1:B:33:THR:HB	1:B:34:LEU:HG	13	0.32
(1,3680)	1:B:33:THR:HB	1:B:75:LEU:HB3	13	0.32
(1,3626)	1:B:34:LEU:HA	1:B:24:TYR:HB2	1	0.32
(1,3626)	1:B:34:LEU:HA	1:B:27:LYS:HE2	1	0.32
(1,3626)	1:B:34:LEU:HA	1:B:27:LYS:HE3	1	0.32
(1,3626)	1:B:34:LEU:HA	1:B:24:TYR:HB2	18	0.32
(1,3626)	1:B:34:LEU:HA	1:B:27:LYS:HE2	18	0.32
(1,3626)	1:B:34:LEU:HA	1:B:27:LYS:HE3	18	0.32
(1,3625)	1:A:34:LEU:HA	1:A:24:TYR:HB2	1	0.32
(1,3625)	1:A:34:LEU:HA	1:A:27:LYS:HE2	1	0.32
(1,3625)	1:A:34:LEU:HA	1:A:27:LYS:HE3	1	0.32
(1,3625)	1:A:34:LEU:HA	1:A:24:TYR:HB2	18	0.32
(1,3625)	1:A:34:LEU:HA	1:A:27:LYS:HE2	18	0.32
(1,3625)	1:A:34:LEU:HA	1:A:27:LYS:HE3	18	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3588)	1:B:75:LEU:HB2	1:B:76:ASP:HB2	18	0.32
(1,3588)	1:B:76:ASP:HB2	1:B:77:PHE:HB3	18	0.32
(1,3587)	1:A:75:LEU:HB2	1:A:76:ASP:HB2	18	0.32
(1,3587)	1:A:76:ASP:HB2	1:A:77:PHE:HB3	18	0.32
(1,3530)	1:B:75:LEU:HB2	1:B:79:GLU:HA	20	0.32
(1,3530)	1:B:34:LEU:HB2	1:B:39:PHE:HA	20	0.32
(1,3518)	1:B:51:THR:HB	1:B:44:ASN:HB2	20	0.32
(1,3518)	1:B:37:THR:HB	1:B:27:LYS:HE2	20	0.32
(1,3518)	1:B:37:THR:HB	1:B:27:LYS:HE3	20	0.32
(1,3517)	1:A:51:THR:HB	1:A:44:ASN:HB2	10	0.32
(1,3517)	1:A:37:THR:HB	1:A:27:LYS:HE2	10	0.32
(1,3517)	1:A:37:THR:HB	1:A:27:LYS:HE3	10	0.32
(1,3517)	1:A:51:THR:HB	1:A:44:ASN:HB2	20	0.32
(1,3517)	1:A:37:THR:HB	1:A:27:LYS:HE2	20	0.32
(1,3517)	1:A:37:THR:HB	1:A:27:LYS:HE3	20	0.32
(1,2776)	1:B:50:PHE:H	1:B:47:LEU:HB2	11	0.32
(1,2775)	1:A:50:PHE:H	1:A:47:LEU:HB2	11	0.32
(1,1870)	1:B:20:VAL:HG12	1:B:21:PHE:H	3	0.32
(1,1870)	1:B:20:VAL:HG11	1:B:21:PHE:H	3	0.32
(1,1870)	1:B:20:VAL:HG13	1:B:21:PHE:H	3	0.32
(1,1870)	1:B:20:VAL:HG12	1:B:21:PHE:H	6	0.32
(1,1870)	1:B:20:VAL:HG11	1:B:21:PHE:H	6	0.32
(1,1870)	1:B:20:VAL:HG13	1:B:21:PHE:H	6	0.32
(1,1870)	1:B:20:VAL:HG12	1:B:21:PHE:H	14	0.32
(1,1870)	1:B:20:VAL:HG11	1:B:21:PHE:H	14	0.32
(1,1870)	1:B:20:VAL:HG13	1:B:21:PHE:H	14	0.32
(1,1869)	1:A:20:VAL:HG12	1:A:21:PHE:H	3	0.32
(1,1869)	1:A:20:VAL:HG11	1:A:21:PHE:H	3	0.32
(1,1869)	1:A:20:VAL:HG13	1:A:21:PHE:H	3	0.32
(1,1869)	1:A:20:VAL:HG12	1:A:21:PHE:H	6	0.32
(1,1869)	1:A:20:VAL:HG11	1:A:21:PHE:H	6	0.32
(1,1869)	1:A:20:VAL:HG13	1:A:21:PHE:H	6	0.32
(1,1869)	1:A:20:VAL:HG12	1:A:21:PHE:H	14	0.32
(1,1869)	1:A:20:VAL:HG11	1:A:21:PHE:H	14	0.32
(1,1869)	1:A:20:VAL:HG13	1:A:21:PHE:H	14	0.32
(1,1638)	1:B:38:GLU:HA	1:B:27:LYS:HD2	17	0.32
(1,1638)	1:B:38:GLU:HA	1:B:27:LYS:HD3	17	0.32
(1,1637)	1:A:38:GLU:HA	1:A:27:LYS:HD2	17	0.32
(1,1637)	1:A:38:GLU:HA	1:A:27:LYS:HD3	17	0.32
(1,1238)	1:B:62:ARG:HB3	1:B:59:VAL:HA	1	0.32
(1,1237)	1:A:62:ARG:HB3	1:A:59:VAL:HA	7	0.32
(1,650)	1:B:15:GLU:HG2	1:B:16:SER:H	5	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,649)	1:A:15:GLU:HG2	1:A:16:SER:H	5	0.31
(1,649)	1:A:15:GLU:HG2	1:A:16:SER:H	6	0.31
(1,5676)	1:B:61:ASP:H	1:B:60:LEU:HG	17	0.31
(1,5676)	1:B:61:ASP:H	1:B:62:ARG:HB3	17	0.31
(1,5676)	1:B:61:ASP:H	1:B:62:ARG:HG2	17	0.31
(1,5675)	1:A:61:ASP:H	1:A:60:LEU:HG	17	0.31
(1,5675)	1:A:61:ASP:H	1:A:62:ARG:HB3	17	0.31
(1,5675)	1:A:61:ASP:H	1:A:62:ARG:HG2	17	0.31
(1,5462)	1:B:45:THR:H	1:B:46:GLU:HB3	9	0.31
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG21	9	0.31
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG22	9	0.31
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG23	9	0.31
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD12	9	0.31
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD11	9	0.31
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD13	9	0.31
(1,5461)	1:A:45:THR:H	1:A:46:GLU:HB3	9	0.31
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG21	9	0.31
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG22	9	0.31
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG23	9	0.31
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD12	9	0.31
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD11	9	0.31
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD13	9	0.31
(1,5216)	1:B:34:LEU:H	1:B:21:PHE:HB3	4	0.31
(1,5216)	1:B:34:LEU:H	1:B:22:GLN:HG2	4	0.31
(1,5216)	1:B:34:LEU:H	1:B:22:GLN:HG3	4	0.31
(1,5216)	1:B:34:LEU:H	1:B:64:MET:HG2	4	0.31
(1,5216)	1:B:34:LEU:H	1:B:64:MET:HG3	4	0.31
(1,5216)	1:B:34:LEU:H	1:B:77:PHE:HB2	4	0.31
(1,5215)	1:A:34:LEU:H	1:A:21:PHE:HB3	4	0.31
(1,5215)	1:A:34:LEU:H	1:A:22:GLN:HG2	4	0.31
(1,5215)	1:A:34:LEU:H	1:A:22:GLN:HG3	4	0.31
(1,5215)	1:A:34:LEU:H	1:A:64:MET:HG2	4	0.31
(1,5215)	1:A:34:LEU:H	1:A:64:MET:HG3	4	0.31
(1,5215)	1:A:34:LEU:H	1:A:77:PHE:HB2	4	0.31
(1,4920)	1:B:52:LYS:HA	1:B:43:MET:HB2	6	0.31
(1,4920)	1:B:52:LYS:HA	1:B:43:MET:HB3	6	0.31
(1,4920)	1:B:52:LYS:HA	1:B:47:LEU:HB3	6	0.31
(1,4920)	1:B:71:SER:HA	1:B:36:LYS:HD2	6	0.31
(1,4920)	1:B:71:SER:HA	1:B:36:LYS:HD3	6	0.31
(1,4920)	1:B:71:SER:HA	1:B:67:LEU:HB2	6	0.31
(1,4920)	1:B:71:SER:HA	1:B:74:GLN:HB3	6	0.31
(1,4920)	1:B:52:LYS:HA	1:B:43:MET:HB2	16	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4920)	1:B:52:LYS:HA	1:B:43:MET:HB3	16	0.31
(1,4920)	1:B:52:LYS:HA	1:B:47:LEU:HB3	16	0.31
(1,4920)	1:B:71:SER:HA	1:B:36:LYS:HD2	16	0.31
(1,4920)	1:B:71:SER:HA	1:B:36:LYS:HD3	16	0.31
(1,4920)	1:B:71:SER:HA	1:B:67:LEU:HB2	16	0.31
(1,4920)	1:B:71:SER:HA	1:B:74:GLN:HB3	16	0.31
(1,4919)	1:A:52:LYS:HA	1:A:43:MET:HB2	6	0.31
(1,4919)	1:A:52:LYS:HA	1:A:43:MET:HB3	6	0.31
(1,4919)	1:A:52:LYS:HA	1:A:47:LEU:HB3	6	0.31
(1,4919)	1:A:71:SER:HA	1:A:36:LYS:HD2	6	0.31
(1,4919)	1:A:71:SER:HA	1:A:36:LYS:HD3	6	0.31
(1,4919)	1:A:71:SER:HA	1:A:67:LEU:HB2	6	0.31
(1,4919)	1:A:71:SER:HA	1:A:74:GLN:HB3	6	0.31
(1,4919)	1:A:52:LYS:HA	1:A:43:MET:HB2	16	0.31
(1,4919)	1:A:52:LYS:HA	1:A:43:MET:HB3	16	0.31
(1,4919)	1:A:52:LYS:HA	1:A:47:LEU:HB3	16	0.31
(1,4919)	1:A:71:SER:HA	1:A:36:LYS:HD2	16	0.31
(1,4919)	1:A:71:SER:HA	1:A:36:LYS:HD3	16	0.31
(1,4919)	1:A:71:SER:HA	1:A:67:LEU:HB2	16	0.31
(1,4919)	1:A:71:SER:HA	1:A:74:GLN:HB3	16	0.31
(1,4840)	1:B:68:ASP:HB2	1:B:39:PHE:HB3	14	0.31
(1,4840)	1:B:68:ASP:HB2	1:B:72:ASP:HB2	14	0.31
(1,4840)	1:B:80:PHE:HB3	1:B:39:PHE:HB3	14	0.31
(1,4839)	1:A:68:ASP:HB2	1:A:39:PHE:HB3	14	0.31
(1,4839)	1:A:68:ASP:HB2	1:A:72:ASP:HB2	14	0.31
(1,4839)	1:A:80:PHE:HB3	1:A:39:PHE:HB3	14	0.31
(1,4782)	1:B:8:THR:HB	1:B:7:PRO:HG2	4	0.31
(1,4782)	1:B:8:THR:HB	1:B:7:PRO:HG3	4	0.31
(1,4782)	1:B:74:GLN:HA	1:B:40:LEU:HG	4	0.31
(1,4782)	1:B:8:THR:HB	1:B:7:PRO:HG2	19	0.31
(1,4782)	1:B:8:THR:HB	1:B:7:PRO:HG3	19	0.31
(1,4782)	1:B:74:GLN:HA	1:B:40:LEU:HG	19	0.31
(1,4781)	1:A:8:THR:HB	1:A:7:PRO:HG2	4	0.31
(1,4781)	1:A:8:THR:HB	1:A:7:PRO:HG3	4	0.31
(1,4781)	1:A:74:GLN:HA	1:A:40:LEU:HG	4	0.31
(1,476)	1:B:67:LEU:HB3	1:B:75:LEU:HB2	11	0.31
(1,476)	1:B:67:LEU:HB3	1:B:75:LEU:HB2	19	0.31
(1,475)	1:A:67:LEU:HB3	1:A:75:LEU:HB2	11	0.31
(1,475)	1:A:67:LEU:HB3	1:A:75:LEU:HB2	19	0.31
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD22	8	0.31
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD21	8	0.31
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD23	8	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD22	8	0.31
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD21	8	0.31
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD23	8	0.31
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD22	10	0.31
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD21	10	0.31
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD23	10	0.31
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD22	10	0.31
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD21	10	0.31
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD23	10	0.31
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD22	13	0.31
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD21	13	0.31
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD23	13	0.31
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD22	13	0.31
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD21	13	0.31
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD23	13	0.31
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD22	8	0.31
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD21	8	0.31
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD23	8	0.31
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD22	8	0.31
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD21	8	0.31
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD23	8	0.31
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD22	10	0.31
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD21	10	0.31
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD23	10	0.31
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD22	10	0.31
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD21	10	0.31
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD23	10	0.31
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD22	13	0.31
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD21	13	0.31
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD23	13	0.31
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD22	13	0.31
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD21	13	0.31
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD23	13	0.31
(1,4271)	1:A:82:ASN:HA	1:A:83:LEU:HA	10	0.31
(1,4271)	1:A:82:ASN:HA	1:A:85:GLY:HA2	10	0.31
(1,4094)	1:B:11:GLU:HB2	1:B:13:CYS:HB3	8	0.31
(1,4094)	1:B:11:GLU:HB3	1:B:13:CYS:HB3	8	0.31
(1,4094)	1:B:12:ARG:HB2	1:B:13:CYS:HB3	8	0.31
(1,4094)	1:B:12:ARG:HB3	1:B:13:CYS:HB3	8	0.31
(1,4094)	1:B:38:GLU:HB3	1:B:27:LYS:HE2	8	0.31
(1,4094)	1:B:38:GLU:HB3	1:B:27:LYS:HE3	8	0.31
(1,4094)	1:B:62:ARG:HB2	1:B:66:LYS:HE2	8	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4094)	1:B:62:ARG:HB2	1:B:66:LYS:HE3	8	0.31
(1,4048)	1:B:52:LYS:HB2	1:B:53:ASN:HB3	12	0.31
(1,4048)	1:B:52:LYS:HB3	1:B:53:ASN:HB3	12	0.31
(1,4048)	1:B:74:GLN:HB2	1:B:76:ASP:HB3	12	0.31
(1,4047)	1:A:52:LYS:HB2	1:A:53:ASN:HB3	12	0.31
(1,4047)	1:A:52:LYS:HB3	1:A:53:ASN:HB3	12	0.31
(1,4047)	1:A:74:GLN:HB2	1:A:76:ASP:HB3	12	0.31
(1,3938)	1:B:39:PHE:HB2	1:B:36:LYS:HG2	14	0.31
(1,3938)	1:B:39:PHE:HB2	1:B:36:LYS:HG3	14	0.31
(1,3938)	1:B:65:LYS:HG2	1:B:64:MET:HA	14	0.31
(1,3938)	1:B:65:LYS:HG3	1:B:64:MET:HA	14	0.31
(1,3937)	1:A:39:PHE:HB2	1:A:36:LYS:HG2	14	0.31
(1,3937)	1:A:39:PHE:HB2	1:A:36:LYS:HG3	14	0.31
(1,3937)	1:A:65:LYS:HG2	1:A:64:MET:HA	14	0.31
(1,3937)	1:A:65:LYS:HG3	1:A:64:MET:HA	14	0.31
(1,3926)	1:B:15:GLU:HB2	1:B:13:CYS:HB3	5	0.31
(1,3926)	1:B:15:GLU:HB3	1:B:13:CYS:HB3	5	0.31
(1,3926)	1:B:15:GLU:HB2	1:A:91:CYS:HB2	5	0.31
(1,3926)	1:B:15:GLU:HB2	1:A:91:CYS:HB3	5	0.31
(1,3926)	1:B:15:GLU:HB3	1:A:91:CYS:HB2	5	0.31
(1,3926)	1:B:15:GLU:HB3	1:A:91:CYS:HB3	5	0.31
(1,3926)	1:B:9:GLU:HB2	1:B:13:CYS:HB3	5	0.31
(1,3926)	1:B:9:GLU:HB3	1:B:13:CYS:HB3	5	0.31
(1,3925)	1:A:15:GLU:HB2	1:A:13:CYS:HB3	3	0.31
(1,3925)	1:A:15:GLU:HB3	1:A:13:CYS:HB3	3	0.31
(1,3925)	1:A:15:GLU:HB2	1:B:91:CYS:HB2	3	0.31
(1,3925)	1:A:15:GLU:HB2	1:B:91:CYS:HB3	3	0.31
(1,3925)	1:A:15:GLU:HB3	1:B:91:CYS:HB2	3	0.31
(1,3925)	1:A:15:GLU:HB3	1:B:91:CYS:HB3	3	0.31
(1,3925)	1:A:9:GLU:HB2	1:A:13:CYS:HB3	3	0.31
(1,3925)	1:A:9:GLU:HB3	1:A:13:CYS:HB3	3	0.31
(1,3925)	1:A:15:GLU:HB2	1:A:13:CYS:HB3	19	0.31
(1,3925)	1:A:15:GLU:HB3	1:A:13:CYS:HB3	19	0.31
(1,3925)	1:A:15:GLU:HB2	1:B:91:CYS:HB2	19	0.31
(1,3925)	1:A:15:GLU:HB2	1:B:91:CYS:HB3	19	0.31
(1,3925)	1:A:15:GLU:HB3	1:B:91:CYS:HB2	19	0.31
(1,3925)	1:A:15:GLU:HB3	1:B:91:CYS:HB3	19	0.31
(1,3925)	1:A:9:GLU:HB2	1:A:13:CYS:HB3	19	0.31
(1,3925)	1:A:9:GLU:HB3	1:A:13:CYS:HB3	19	0.31
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD12	5	0.31
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD11	5	0.31
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD13	5	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD12	5	0.31
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD11	5	0.31
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD13	5	0.31
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD12	5	0.31
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD11	5	0.31
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD13	5	0.31
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD12	5	0.31
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD11	5	0.31
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD13	5	0.31
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD12	5	0.31
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD11	5	0.31
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD13	5	0.31
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD12	5	0.31
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD11	5	0.31
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD13	5	0.31
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD22	5	0.31
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD21	5	0.31
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD23	5	0.31
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD12	5	0.31
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD11	5	0.31
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD13	5	0.31
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD12	5	0.31
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD11	5	0.31
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD13	5	0.31
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD12	5	0.31
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD11	5	0.31
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD13	5	0.31
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD12	5	0.31
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD11	5	0.31
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD13	5	0.31
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD12	5	0.31
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD11	5	0.31
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD13	5	0.31
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD12	5	0.31
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD11	5	0.31
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD13	5	0.31
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD22	5	0.31
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD21	5	0.31
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD23	5	0.31
(1,3638)	1:B:34:LEU:HB3	1:B:21:PHE:HB3	17	0.31
(1,3638)	1:B:34:LEU:HB3	1:B:24:TYR:HB3	17	0.31
(1,3638)	1:B:34:LEU:HB3	1:B:42:PHE:HB3	17	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,356)	1:B:60:LEU:HB2	1:B:61:ASP:HB3	6	0.31
(1,355)	1:A:60:LEU:HB2	1:A:61:ASP:HB3	6	0.31
(1,3529)	1:A:75:LEU:HB2	1:A:79:GLU:HA	20	0.31
(1,3529)	1:A:34:LEU:HB2	1:A:39:PHE:HA	20	0.31
(1,3518)	1:B:51:THR:HB	1:B:44:ASN:HB2	10	0.31
(1,3518)	1:B:37:THR:HB	1:B:27:LYS:HE2	10	0.31
(1,3518)	1:B:37:THR:HB	1:B:27:LYS:HE3	10	0.31
(1,3500)	1:B:29:GLY:HA2	1:B:28:ASP:HB2	7	0.31
(1,3500)	1:B:73:GLY:HA2	1:B:72:ASP:HB2	7	0.31
(1,3468)	1:B:75:LEU:HB3	1:B:33:THR:HA	14	0.31
(1,3468)	1:B:75:LEU:HB3	1:B:34:LEU:HA	14	0.31
(1,3056)	1:B:94:SER:H	1:B:93:ASP:HB2	10	0.31
(1,3055)	1:A:94:SER:H	1:A:93:ASP:HB2	10	0.31
(1,2776)	1:B:50:PHE:H	1:B:47:LEU:HB2	4	0.31
(1,2775)	1:A:50:PHE:H	1:A:47:LEU:HB2	4	0.31
(1,2592)	1:B:26:GLY:H	1:B:24:TYR:HB3	11	0.31
(1,1870)	1:B:20:VAL:HG12	1:B:21:PHE:H	20	0.31
(1,1870)	1:B:20:VAL:HG11	1:B:21:PHE:H	20	0.31
(1,1870)	1:B:20:VAL:HG13	1:B:21:PHE:H	20	0.31
(1,1869)	1:A:20:VAL:HG12	1:A:21:PHE:H	20	0.31
(1,1869)	1:A:20:VAL:HG11	1:A:21:PHE:H	20	0.31
(1,1869)	1:A:20:VAL:HG13	1:A:21:PHE:H	20	0.31
(1,716)	1:B:76:ASP:HA	1:B:77:PHE:HB2	1	0.3
(1,715)	1:A:76:ASP:HA	1:A:77:PHE:HB2	1	0.3
(1,650)	1:B:15:GLU:HG2	1:B:16:SER:H	6	0.3
(1,5299)	1:A:26:GLY:H	1:A:23:LYS:HD2	15	0.3
(1,5299)	1:A:26:GLY:H	1:A:23:LYS:HD3	15	0.3
(1,5299)	1:A:26:GLY:H	1:A:34:LEU:HB3	15	0.3
(1,5297)	1:A:26:GLY:H	1:A:23:LYS:HD2	15	0.3
(1,5297)	1:A:26:GLY:H	1:A:23:LYS:HD3	15	0.3
(1,5297)	1:A:26:GLY:H	1:A:34:LEU:HB3	15	0.3
(1,4920)	1:B:52:LYS:HA	1:B:43:MET:HB2	5	0.3
(1,4920)	1:B:52:LYS:HA	1:B:43:MET:HB3	5	0.3
(1,4920)	1:B:52:LYS:HA	1:B:47:LEU:HB3	5	0.3
(1,4920)	1:B:71:SER:HA	1:B:36:LYS:HD2	5	0.3
(1,4920)	1:B:71:SER:HA	1:B:36:LYS:HD3	5	0.3
(1,4920)	1:B:71:SER:HA	1:B:67:LEU:HB2	5	0.3
(1,4920)	1:B:71:SER:HA	1:B:74:GLN:HB3	5	0.3
(1,4919)	1:A:52:LYS:HA	1:A:43:MET:HB2	5	0.3
(1,4919)	1:A:52:LYS:HA	1:A:43:MET:HB3	5	0.3
(1,4919)	1:A:52:LYS:HA	1:A:47:LEU:HB3	5	0.3
(1,4919)	1:A:71:SER:HA	1:A:36:LYS:HD2	5	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4919)	1:A:71:SER:HA	1:A:36:LYS:HD3	5	0.3
(1,4919)	1:A:71:SER:HA	1:A:67:LEU:HB2	5	0.3
(1,4919)	1:A:71:SER:HA	1:A:74:GLN:HB3	5	0.3
(1,4858)	1:B:23:LYS:HB2	1:B:23:LYS:HE2	12	0.3
(1,4858)	1:B:23:LYS:HB2	1:B:23:LYS:HE3	12	0.3
(1,4858)	1:B:23:LYS:HB3	1:B:23:LYS:HE2	12	0.3
(1,4858)	1:B:23:LYS:HB3	1:B:23:LYS:HE3	12	0.3
(1,4858)	1:B:23:LYS:HB2	1:B:23:LYS:HE2	13	0.3
(1,4858)	1:B:23:LYS:HB2	1:B:23:LYS:HE3	13	0.3
(1,4858)	1:B:23:LYS:HB3	1:B:23:LYS:HE2	13	0.3
(1,4858)	1:B:23:LYS:HB3	1:B:23:LYS:HE3	13	0.3
(1,4857)	1:A:23:LYS:HB2	1:A:23:LYS:HE2	12	0.3
(1,4857)	1:A:23:LYS:HB2	1:A:23:LYS:HE3	12	0.3
(1,4857)	1:A:23:LYS:HB3	1:A:23:LYS:HE2	12	0.3
(1,4857)	1:A:23:LYS:HB3	1:A:23:LYS:HE3	12	0.3
(1,4857)	1:A:23:LYS:HB2	1:A:23:LYS:HE2	13	0.3
(1,4857)	1:A:23:LYS:HB2	1:A:23:LYS:HE3	13	0.3
(1,4857)	1:A:23:LYS:HB3	1:A:23:LYS:HE2	13	0.3
(1,4857)	1:A:23:LYS:HB3	1:A:23:LYS:HE3	13	0.3
(1,4826)	1:B:19:ALA:HB2	1:B:15:GLU:HB2	6	0.3
(1,4826)	1:B:19:ALA:HB2	1:B:15:GLU:HB3	6	0.3
(1,4826)	1:B:19:ALA:HB1	1:B:15:GLU:HB2	6	0.3
(1,4826)	1:B:19:ALA:HB1	1:B:15:GLU:HB3	6	0.3
(1,4826)	1:B:19:ALA:HB3	1:B:15:GLU:HB2	6	0.3
(1,4826)	1:B:19:ALA:HB3	1:B:15:GLU:HB3	6	0.3
(1,4826)	1:B:19:ALA:HB2	1:A:9:GLU:HB2	6	0.3
(1,4826)	1:B:19:ALA:HB2	1:A:9:GLU:HB3	6	0.3
(1,4826)	1:B:19:ALA:HB1	1:A:9:GLU:HB2	6	0.3
(1,4826)	1:B:19:ALA:HB1	1:A:9:GLU:HB3	6	0.3
(1,4826)	1:B:19:ALA:HB3	1:A:9:GLU:HB2	6	0.3
(1,4826)	1:B:19:ALA:HB3	1:A:9:GLU:HB3	6	0.3
(1,4826)	1:B:88:ALA:HB2	1:B:89:MET:HB2	6	0.3
(1,4826)	1:B:88:ALA:HB2	1:B:89:MET:HB3	6	0.3
(1,4826)	1:B:88:ALA:HB1	1:B:89:MET:HB2	6	0.3
(1,4826)	1:B:88:ALA:HB1	1:B:89:MET:HB3	6	0.3
(1,4826)	1:B:88:ALA:HB3	1:B:89:MET:HB2	6	0.3
(1,4826)	1:B:88:ALA:HB3	1:B:89:MET:HB3	6	0.3
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB2	6	0.3
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB1	6	0.3
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB3	6	0.3
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB2	6	0.3
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB1	6	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB3	6	0.3
(1,4825)	1:A:19:ALA:HB2	1:A:15:GLU:HB2	6	0.3
(1,4825)	1:A:19:ALA:HB2	1:A:15:GLU:HB3	6	0.3
(1,4825)	1:A:19:ALA:HB1	1:A:15:GLU:HB2	6	0.3
(1,4825)	1:A:19:ALA:HB1	1:A:15:GLU:HB3	6	0.3
(1,4825)	1:A:19:ALA:HB3	1:A:15:GLU:HB2	6	0.3
(1,4825)	1:A:19:ALA:HB3	1:A:15:GLU:HB3	6	0.3
(1,4825)	1:A:19:ALA:HB2	1:B:9:GLU:HB2	6	0.3
(1,4825)	1:A:19:ALA:HB2	1:B:9:GLU:HB3	6	0.3
(1,4825)	1:A:19:ALA:HB1	1:B:9:GLU:HB2	6	0.3
(1,4825)	1:A:19:ALA:HB1	1:B:9:GLU:HB3	6	0.3
(1,4825)	1:A:19:ALA:HB3	1:B:9:GLU:HB2	6	0.3
(1,4825)	1:A:19:ALA:HB3	1:B:9:GLU:HB3	6	0.3
(1,4825)	1:A:88:ALA:HB2	1:A:89:MET:HB2	6	0.3
(1,4825)	1:A:88:ALA:HB2	1:A:89:MET:HB3	6	0.3
(1,4825)	1:A:88:ALA:HB1	1:A:89:MET:HB2	6	0.3
(1,4825)	1:A:88:ALA:HB1	1:A:89:MET:HB3	6	0.3
(1,4825)	1:A:88:ALA:HB3	1:A:89:MET:HB2	6	0.3
(1,4825)	1:A:88:ALA:HB3	1:A:89:MET:HB3	6	0.3
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB2	6	0.3
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB1	6	0.3
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB3	6	0.3
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB2	6	0.3
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB1	6	0.3
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB3	6	0.3
(1,4782)	1:B:8:THR:HB	1:B:7:PRO:HG2	16	0.3
(1,4782)	1:B:8:THR:HB	1:B:7:PRO:HG3	16	0.3
(1,4782)	1:B:74:GLN:HA	1:B:40:LEU:HG	16	0.3
(1,4781)	1:A:8:THR:HB	1:A:7:PRO:HG2	19	0.3
(1,4781)	1:A:8:THR:HB	1:A:7:PRO:HG3	19	0.3
(1,4781)	1:A:74:GLN:HA	1:A:40:LEU:HG	19	0.3
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD22	4	0.3
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD21	4	0.3
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD23	4	0.3
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD22	4	0.3
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD21	4	0.3
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD23	4	0.3
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD22	19	0.3
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD21	19	0.3
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD23	19	0.3
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD22	19	0.3
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD21	19	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD23	19	0.3
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD22	4	0.3
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD21	4	0.3
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD23	4	0.3
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD22	4	0.3
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD21	4	0.3
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD23	4	0.3
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD22	19	0.3
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD21	19	0.3
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD23	19	0.3
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD22	19	0.3
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD21	19	0.3
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD23	19	0.3
(1,4093)	1:A:11:GLU:HB2	1:A:13:CYS:HB3	8	0.3
(1,4093)	1:A:11:GLU:HB3	1:A:13:CYS:HB3	8	0.3
(1,4093)	1:A:12:ARG:HB2	1:A:13:CYS:HB3	8	0.3
(1,4093)	1:A:12:ARG:HB3	1:A:13:CYS:HB3	8	0.3
(1,4093)	1:A:38:GLU:HB3	1:A:27:LYS:HE2	8	0.3
(1,4093)	1:A:38:GLU:HB3	1:A:27:LYS:HE3	8	0.3
(1,4093)	1:A:62:ARG:HB2	1:A:66:LYS:HE2	8	0.3
(1,4093)	1:A:62:ARG:HB2	1:A:66:LYS:HE3	8	0.3
(1,4048)	1:B:52:LYS:HB2	1:B:53:ASN:HB3	14	0.3
(1,4048)	1:B:52:LYS:HB3	1:B:53:ASN:HB3	14	0.3
(1,4048)	1:B:74:GLN:HB2	1:B:76:ASP:HB3	14	0.3
(1,4047)	1:A:52:LYS:HB2	1:A:53:ASN:HB3	14	0.3
(1,4047)	1:A:52:LYS:HB3	1:A:53:ASN:HB3	14	0.3
(1,4047)	1:A:74:GLN:HB2	1:A:76:ASP:HB3	14	0.3
(1,4024)	1:B:83:LEU:HB3	1:B:66:LYS:HE2	8	0.3
(1,4024)	1:B:83:LEU:HB3	1:B:66:LYS:HE3	8	0.3
(1,4024)	1:B:83:LEU:HB3	1:B:82:ASN:HB2	8	0.3
(1,4023)	1:A:83:LEU:HB3	1:A:66:LYS:HE2	5	0.3
(1,4023)	1:A:83:LEU:HB3	1:A:66:LYS:HE3	5	0.3
(1,4023)	1:A:83:LEU:HB3	1:A:82:ASN:HB2	5	0.3
(1,4023)	1:A:83:LEU:HB3	1:A:66:LYS:HE2	8	0.3
(1,4023)	1:A:83:LEU:HB3	1:A:66:LYS:HE3	8	0.3
(1,4023)	1:A:83:LEU:HB3	1:A:82:ASN:HB2	8	0.3
(1,4011)	1:A:81:LEU:HD22	1:B:89:MET:HG3	3	0.3
(1,4011)	1:A:81:LEU:HD21	1:B:89:MET:HG3	3	0.3
(1,4011)	1:A:81:LEU:HD23	1:B:89:MET:HG3	3	0.3
(1,4011)	1:A:81:LEU:HD22	1:A:21:PHE:HB3	3	0.3
(1,4011)	1:A:81:LEU:HD21	1:A:21:PHE:HB3	3	0.3
(1,4011)	1:A:81:LEU:HD23	1:A:21:PHE:HB3	3	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4011)	1:A:81:LEU:HD22	1:B:89:MET:HG3	8	0.3
(1,4011)	1:A:81:LEU:HD21	1:B:89:MET:HG3	8	0.3
(1,4011)	1:A:81:LEU:HD23	1:B:89:MET:HG3	8	0.3
(1,4011)	1:A:81:LEU:HD22	1:A:21:PHE:HB3	8	0.3
(1,4011)	1:A:81:LEU:HD21	1:A:21:PHE:HB3	8	0.3
(1,4011)	1:A:81:LEU:HD23	1:A:21:PHE:HB3	8	0.3
(1,4011)	1:A:81:LEU:HD22	1:B:89:MET:HG3	11	0.3
(1,4011)	1:A:81:LEU:HD21	1:B:89:MET:HG3	11	0.3
(1,4011)	1:A:81:LEU:HD23	1:B:89:MET:HG3	11	0.3
(1,4011)	1:A:81:LEU:HD22	1:A:21:PHE:HB3	11	0.3
(1,4011)	1:A:81:LEU:HD21	1:A:21:PHE:HB3	11	0.3
(1,4011)	1:A:81:LEU:HD23	1:A:21:PHE:HB3	11	0.3
(1,3925)	1:A:15:GLU:HB2	1:A:13:CYS:HB3	5	0.3
(1,3925)	1:A:15:GLU:HB3	1:A:13:CYS:HB3	5	0.3
(1,3925)	1:A:15:GLU:HB2	1:B:91:CYS:HB2	5	0.3
(1,3925)	1:A:15:GLU:HB2	1:B:91:CYS:HB3	5	0.3
(1,3925)	1:A:15:GLU:HB3	1:B:91:CYS:HB2	5	0.3
(1,3925)	1:A:15:GLU:HB3	1:B:91:CYS:HB3	5	0.3
(1,3925)	1:A:9:GLU:HB2	1:A:13:CYS:HB3	5	0.3
(1,3925)	1:A:9:GLU:HB3	1:A:13:CYS:HB3	5	0.3
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD12	6	0.3
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD11	6	0.3
(1,3882)	1:B:9:GLU:HG2	1:B:14:ILE:HD13	6	0.3
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD12	6	0.3
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD11	6	0.3
(1,3882)	1:B:9:GLU:HG3	1:B:14:ILE:HD13	6	0.3
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD12	6	0.3
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD11	6	0.3
(1,3882)	1:B:9:GLU:HG2	1:A:17:LEU:HD13	6	0.3
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD12	6	0.3
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD11	6	0.3
(1,3882)	1:B:9:GLU:HG3	1:A:17:LEU:HD13	6	0.3
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD12	6	0.3
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD11	6	0.3
(1,3882)	1:B:15:GLU:HG2	1:B:14:ILE:HD13	6	0.3
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD12	6	0.3
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD11	6	0.3
(1,3882)	1:B:15:GLU:HG2	1:B:17:LEU:HD13	6	0.3
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD22	6	0.3
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD21	6	0.3
(1,3882)	1:B:15:GLU:HG2	1:A:47:LEU:HD23	6	0.3
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD12	6	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD11	6	0.3
(1,3881)	1:A:9:GLU:HG2	1:A:14:ILE:HD13	6	0.3
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD12	6	0.3
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD11	6	0.3
(1,3881)	1:A:9:GLU:HG3	1:A:14:ILE:HD13	6	0.3
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD12	6	0.3
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD11	6	0.3
(1,3881)	1:A:9:GLU:HG2	1:B:17:LEU:HD13	6	0.3
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD12	6	0.3
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD11	6	0.3
(1,3881)	1:A:9:GLU:HG3	1:B:17:LEU:HD13	6	0.3
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD12	6	0.3
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD11	6	0.3
(1,3881)	1:A:15:GLU:HG2	1:A:14:ILE:HD13	6	0.3
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD12	6	0.3
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD11	6	0.3
(1,3881)	1:A:15:GLU:HG2	1:A:17:LEU:HD13	6	0.3
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD22	6	0.3
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD21	6	0.3
(1,3881)	1:A:15:GLU:HG2	1:B:47:LEU:HD23	6	0.3
(1,3679)	1:A:33:THR:HB	1:A:34:LEU:HG	13	0.3
(1,3679)	1:A:33:THR:HB	1:A:75:LEU:HB3	13	0.3
(1,3637)	1:A:34:LEU:HB3	1:A:21:PHE:HB3	17	0.3
(1,3637)	1:A:34:LEU:HB3	1:A:24:TYR:HB3	17	0.3
(1,3637)	1:A:34:LEU:HB3	1:A:42:PHE:HB3	17	0.3
(1,3626)	1:B:34:LEU:HA	1:B:24:TYR:HB2	12	0.3
(1,3626)	1:B:34:LEU:HA	1:B:27:LYS:HE2	12	0.3
(1,3626)	1:B:34:LEU:HA	1:B:27:LYS:HE3	12	0.3
(1,3625)	1:A:34:LEU:HA	1:A:24:TYR:HB2	12	0.3
(1,3625)	1:A:34:LEU:HA	1:A:27:LYS:HE2	12	0.3
(1,3625)	1:A:34:LEU:HA	1:A:27:LYS:HE3	12	0.3
(1,3514)	1:B:40:LEU:HB2	1:B:39:PHE:HB3	12	0.3
(1,3514)	1:B:40:LEU:HB2	1:B:42:PHE:HB2	12	0.3
(1,3514)	1:B:60:LEU:HB2	1:B:39:PHE:HB3	12	0.3
(1,3513)	1:A:40:LEU:HB2	1:A:39:PHE:HB3	12	0.3
(1,3513)	1:A:40:LEU:HB2	1:A:42:PHE:HB2	12	0.3
(1,3513)	1:A:60:LEU:HB2	1:A:39:PHE:HB3	12	0.3
(1,3500)	1:B:29:GLY:HA2	1:B:28:ASP:HB2	14	0.3
(1,3500)	1:B:73:GLY:HA2	1:B:72:ASP:HB2	14	0.3
(1,3499)	1:A:29:GLY:HA2	1:A:28:ASP:HB2	7	0.3
(1,3499)	1:A:73:GLY:HA2	1:A:72:ASP:HB2	7	0.3
(1,3499)	1:A:29:GLY:HA2	1:A:28:ASP:HB2	14	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3499)	1:A:73:GLY:HA2	1:A:72:ASP:HB2	14	0.3
(1,3467)	1:A:75:LEU:HB3	1:A:33:THR:HA	14	0.3
(1,3467)	1:A:75:LEU:HB3	1:A:34:LEU:HA	14	0.3
(1,3404)	1:B:9:GLU:HB2	1:A:16:SER:HB3	12	0.3
(1,3404)	1:B:9:GLU:HB3	1:A:16:SER:HB3	12	0.3
(1,3404)	1:B:9:GLU:HB2	1:A:20:VAL:HA	12	0.3
(1,3404)	1:B:9:GLU:HB3	1:A:20:VAL:HA	12	0.3
(1,2768)	1:B:80:PHE:H	1:B:75:LEU:HB2	14	0.3
(1,2767)	1:A:80:PHE:H	1:A:75:LEU:HB2	14	0.3
(1,2591)	1:A:26:GLY:H	1:A:24:TYR:HB3	11	0.3
(1,2000)	1:B:33:THR:HG21	1:B:76:ASP:HB3	17	0.3
(1,2000)	1:B:33:THR:HG22	1:B:76:ASP:HB3	17	0.3
(1,2000)	1:B:33:THR:HG23	1:B:76:ASP:HB3	17	0.3
(1,1999)	1:A:33:THR:HG21	1:A:76:ASP:HB3	17	0.3
(1,1999)	1:A:33:THR:HG22	1:A:76:ASP:HB3	17	0.3
(1,1999)	1:A:33:THR:HG23	1:A:76:ASP:HB3	17	0.3
(1,1870)	1:B:20:VAL:HG12	1:B:21:PHE:H	2	0.3
(1,1870)	1:B:20:VAL:HG11	1:B:21:PHE:H	2	0.3
(1,1870)	1:B:20:VAL:HG13	1:B:21:PHE:H	2	0.3
(1,1870)	1:B:20:VAL:HG12	1:B:21:PHE:H	5	0.3
(1,1870)	1:B:20:VAL:HG11	1:B:21:PHE:H	5	0.3
(1,1870)	1:B:20:VAL:HG13	1:B:21:PHE:H	5	0.3
(1,1870)	1:B:20:VAL:HG12	1:B:21:PHE:H	11	0.3
(1,1870)	1:B:20:VAL:HG11	1:B:21:PHE:H	11	0.3
(1,1870)	1:B:20:VAL:HG13	1:B:21:PHE:H	11	0.3
(1,1869)	1:A:20:VAL:HG12	1:A:21:PHE:H	2	0.3
(1,1869)	1:A:20:VAL:HG11	1:A:21:PHE:H	2	0.3
(1,1869)	1:A:20:VAL:HG13	1:A:21:PHE:H	2	0.3
(1,1869)	1:A:20:VAL:HG12	1:A:21:PHE:H	5	0.3
(1,1869)	1:A:20:VAL:HG11	1:A:21:PHE:H	5	0.3
(1,1869)	1:A:20:VAL:HG13	1:A:21:PHE:H	5	0.3
(1,1869)	1:A:20:VAL:HG12	1:A:21:PHE:H	11	0.3
(1,1869)	1:A:20:VAL:HG11	1:A:21:PHE:H	11	0.3
(1,1869)	1:A:20:VAL:HG13	1:A:21:PHE:H	11	0.3
(1,1608)	1:B:47:LEU:HB2	1:B:50:PHE:HB2	13	0.3
(1,1608)	1:B:47:LEU:HB2	1:B:50:PHE:HB3	13	0.3
(1,1607)	1:A:47:LEU:HB2	1:A:50:PHE:HB2	13	0.3
(1,1607)	1:A:47:LEU:HB2	1:A:50:PHE:HB3	13	0.3
(1,146)	1:B:78:SER:HB2	1:B:81:LEU:HB3	4	0.3
(1,146)	1:B:78:SER:HB3	1:B:81:LEU:HB3	4	0.3
(1,145)	1:A:78:SER:HB2	1:A:81:LEU:HB3	4	0.3
(1,145)	1:A:78:SER:HB3	1:A:81:LEU:HB3	4	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1328)	1:B:34:LEU:HB2	1:B:39:PHE:HB3	16	0.3
(1,1327)	1:A:34:LEU:HB2	1:A:39:PHE:HB3	16	0.3
(1,1030)	1:B:38:GLU:HB3	1:B:24:TYR:HB2	3	0.3
(1,1029)	1:A:38:GLU:HB3	1:A:24:TYR:HB2	3	0.3
(2,86)	1:B:42:PHE:HB2	1:B:47:LEU:H	18	0.29
(2,85)	1:A:42:PHE:HB2	1:A:47:LEU:H	18	0.29
(1,986)	1:B:61:ASP:H	1:B:58:GLY:HA3	10	0.29
(1,986)	1:B:61:ASP:H	1:B:58:GLY:HA3	19	0.29
(1,985)	1:A:61:ASP:H	1:A:58:GLY:HA3	10	0.29
(1,716)	1:B:76:ASP:HA	1:B:77:PHE:HB2	18	0.29
(1,715)	1:A:76:ASP:HA	1:A:77:PHE:HB2	18	0.29
(1,692)	1:B:15:GLU:HG2	1:B:16:SER:H	20	0.29
(1,691)	1:A:15:GLU:HG2	1:A:16:SER:H	20	0.29
(1,650)	1:B:15:GLU:HG2	1:B:16:SER:H	15	0.29
(1,649)	1:A:15:GLU:HG2	1:A:16:SER:H	15	0.29
(1,622)	1:B:63:MET:H	1:B:62:ARG:HG2	15	0.29
(1,621)	1:A:63:MET:H	1:A:62:ARG:HG2	2	0.29
(1,5462)	1:B:45:THR:H	1:B:46:GLU:HB3	1	0.29
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG21	1	0.29
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG22	1	0.29
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG23	1	0.29
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD12	1	0.29
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD11	1	0.29
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD13	1	0.29
(1,5462)	1:B:45:THR:H	1:B:46:GLU:HB3	19	0.29
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG21	19	0.29
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG22	19	0.29
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG23	19	0.29
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD12	19	0.29
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD11	19	0.29
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD13	19	0.29
(1,5461)	1:A:45:THR:H	1:A:46:GLU:HB3	1	0.29
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG21	1	0.29
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG22	1	0.29
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG23	1	0.29
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD12	1	0.29
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD11	1	0.29
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD13	1	0.29
(1,5461)	1:A:45:THR:H	1:A:46:GLU:HB3	19	0.29
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG21	19	0.29
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG22	19	0.29
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG23	19	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD12	19	0.29
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD11	19	0.29
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD13	19	0.29
(1,5416)	1:B:69:THR:H	1:B:74:GLN:HG2	20	0.29
(1,5416)	1:B:69:THR:H	1:B:74:GLN:HG3	20	0.29
(1,5416)	1:B:69:THR:H	1:B:75:LEU:HB2	20	0.29
(1,5415)	1:A:69:THR:H	1:A:74:GLN:HG2	20	0.29
(1,5415)	1:A:69:THR:H	1:A:74:GLN:HG3	20	0.29
(1,5415)	1:A:69:THR:H	1:A:75:LEU:HB2	20	0.29
(1,5300)	1:B:26:GLY:H	1:B:23:LYS:HD2	15	0.29
(1,5300)	1:B:26:GLY:H	1:B:23:LYS:HD3	15	0.29
(1,5300)	1:B:26:GLY:H	1:B:34:LEU:HB3	15	0.29
(1,5299)	1:A:26:GLY:H	1:A:23:LYS:HD2	3	0.29
(1,5299)	1:A:26:GLY:H	1:A:23:LYS:HD3	3	0.29
(1,5299)	1:A:26:GLY:H	1:A:34:LEU:HB3	3	0.29
(1,5299)	1:A:26:GLY:H	1:A:23:LYS:HD2	13	0.29
(1,5299)	1:A:26:GLY:H	1:A:23:LYS:HD3	13	0.29
(1,5299)	1:A:26:GLY:H	1:A:34:LEU:HB3	13	0.29
(1,5298)	1:B:26:GLY:H	1:B:23:LYS:HD2	15	0.29
(1,5298)	1:B:26:GLY:H	1:B:23:LYS:HD3	15	0.29
(1,5298)	1:B:26:GLY:H	1:B:34:LEU:HB3	15	0.29
(1,5297)	1:A:26:GLY:H	1:A:23:LYS:HD2	3	0.29
(1,5297)	1:A:26:GLY:H	1:A:23:LYS:HD3	3	0.29
(1,5297)	1:A:26:GLY:H	1:A:34:LEU:HB3	3	0.29
(1,5297)	1:A:26:GLY:H	1:A:23:LYS:HD2	13	0.29
(1,5297)	1:A:26:GLY:H	1:A:23:LYS:HD3	13	0.29
(1,5297)	1:A:26:GLY:H	1:A:34:LEU:HB3	13	0.29
(1,5058)	1:B:37:THR:HG21	1:B:33:THR:HG21	13	0.29
(1,5058)	1:B:37:THR:HG21	1:B:33:THR:HG22	13	0.29
(1,5058)	1:B:37:THR:HG21	1:B:33:THR:HG23	13	0.29
(1,5058)	1:B:37:THR:HG22	1:B:33:THR:HG21	13	0.29
(1,5058)	1:B:37:THR:HG22	1:B:33:THR:HG22	13	0.29
(1,5058)	1:B:37:THR:HG22	1:B:33:THR:HG23	13	0.29
(1,5058)	1:B:37:THR:HG23	1:B:33:THR:HG21	13	0.29
(1,5058)	1:B:37:THR:HG23	1:B:33:THR:HG22	13	0.29
(1,5058)	1:B:37:THR:HG23	1:B:33:THR:HG23	13	0.29
(1,5058)	1:B:45:THR:HG21	1:B:23:LYS:HG2	13	0.29
(1,5058)	1:B:45:THR:HG22	1:B:23:LYS:HG2	13	0.29
(1,5058)	1:B:45:THR:HG23	1:B:23:LYS:HG2	13	0.29
(1,5058)	1:B:45:THR:HG21	1:B:47:LEU:HG	13	0.29
(1,5058)	1:B:45:THR:HG22	1:B:47:LEU:HG	13	0.29
(1,5058)	1:B:45:THR:HG23	1:B:47:LEU:HG	13	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5058)	1:B:45:THR:HG21	1:A:10:THR:HG21	13	0.29
(1,5058)	1:B:45:THR:HG21	1:A:10:THR:HG22	13	0.29
(1,5058)	1:B:45:THR:HG21	1:A:10:THR:HG23	13	0.29
(1,5058)	1:B:45:THR:HG22	1:A:10:THR:HG21	13	0.29
(1,5058)	1:B:45:THR:HG22	1:A:10:THR:HG22	13	0.29
(1,5058)	1:B:45:THR:HG22	1:A:10:THR:HG23	13	0.29
(1,5058)	1:B:45:THR:HG23	1:A:10:THR:HG21	13	0.29
(1,5058)	1:B:45:THR:HG23	1:A:10:THR:HG22	13	0.29
(1,5058)	1:B:45:THR:HG23	1:A:10:THR:HG23	13	0.29
(1,5057)	1:A:37:THR:HG21	1:A:33:THR:HG21	13	0.29
(1,5057)	1:A:37:THR:HG21	1:A:33:THR:HG22	13	0.29
(1,5057)	1:A:37:THR:HG21	1:A:33:THR:HG23	13	0.29
(1,5057)	1:A:37:THR:HG22	1:A:33:THR:HG21	13	0.29
(1,5057)	1:A:37:THR:HG22	1:A:33:THR:HG22	13	0.29
(1,5057)	1:A:37:THR:HG22	1:A:33:THR:HG23	13	0.29
(1,5057)	1:A:37:THR:HG23	1:A:33:THR:HG21	13	0.29
(1,5057)	1:A:37:THR:HG23	1:A:33:THR:HG22	13	0.29
(1,5057)	1:A:37:THR:HG23	1:A:33:THR:HG23	13	0.29
(1,5057)	1:A:45:THR:HG21	1:A:23:LYS:HG2	13	0.29
(1,5057)	1:A:45:THR:HG22	1:A:23:LYS:HG2	13	0.29
(1,5057)	1:A:45:THR:HG23	1:A:23:LYS:HG2	13	0.29
(1,5057)	1:A:45:THR:HG21	1:A:47:LEU:HG	13	0.29
(1,5057)	1:A:45:THR:HG22	1:A:47:LEU:HG	13	0.29
(1,5057)	1:A:45:THR:HG23	1:A:47:LEU:HG	13	0.29
(1,5057)	1:A:45:THR:HG21	1:B:10:THR:HG21	13	0.29
(1,5057)	1:A:45:THR:HG21	1:B:10:THR:HG22	13	0.29
(1,5057)	1:A:45:THR:HG21	1:B:10:THR:HG23	13	0.29
(1,5057)	1:A:45:THR:HG22	1:B:10:THR:HG21	13	0.29
(1,5057)	1:A:45:THR:HG22	1:B:10:THR:HG22	13	0.29
(1,5057)	1:A:45:THR:HG22	1:B:10:THR:HG23	13	0.29
(1,5057)	1:A:45:THR:HG23	1:B:10:THR:HG21	13	0.29
(1,5057)	1:A:45:THR:HG23	1:B:10:THR:HG22	13	0.29
(1,5057)	1:A:45:THR:HG23	1:B:10:THR:HG23	13	0.29
(1,4858)	1:B:23:LYS:HB2	1:B:23:LYS:HE2	20	0.29
(1,4858)	1:B:23:LYS:HB2	1:B:23:LYS:HE3	20	0.29
(1,4858)	1:B:23:LYS:HB3	1:B:23:LYS:HE2	20	0.29
(1,4858)	1:B:23:LYS:HB3	1:B:23:LYS:HE3	20	0.29
(1,4857)	1:A:23:LYS:HB2	1:A:23:LYS:HE2	20	0.29
(1,4857)	1:A:23:LYS:HB2	1:A:23:LYS:HE3	20	0.29
(1,4857)	1:A:23:LYS:HB3	1:A:23:LYS:HE2	20	0.29
(1,4857)	1:A:23:LYS:HB3	1:A:23:LYS:HE3	20	0.29
(1,4826)	1:B:19:ALA:HB2	1:B:15:GLU:HB2	16	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4826)	1:B:19:ALA:HB2	1:B:15:GLU:HB3	16	0.29
(1,4826)	1:B:19:ALA:HB1	1:B:15:GLU:HB2	16	0.29
(1,4826)	1:B:19:ALA:HB1	1:B:15:GLU:HB3	16	0.29
(1,4826)	1:B:19:ALA:HB3	1:B:15:GLU:HB2	16	0.29
(1,4826)	1:B:19:ALA:HB3	1:B:15:GLU:HB3	16	0.29
(1,4826)	1:B:19:ALA:HB2	1:A:9:GLU:HB2	16	0.29
(1,4826)	1:B:19:ALA:HB2	1:A:9:GLU:HB3	16	0.29
(1,4826)	1:B:19:ALA:HB1	1:A:9:GLU:HB2	16	0.29
(1,4826)	1:B:19:ALA:HB1	1:A:9:GLU:HB3	16	0.29
(1,4826)	1:B:19:ALA:HB3	1:A:9:GLU:HB2	16	0.29
(1,4826)	1:B:19:ALA:HB3	1:A:9:GLU:HB3	16	0.29
(1,4826)	1:B:88:ALA:HB2	1:B:89:MET:HB2	16	0.29
(1,4826)	1:B:88:ALA:HB2	1:B:89:MET:HB3	16	0.29
(1,4826)	1:B:88:ALA:HB1	1:B:89:MET:HB2	16	0.29
(1,4826)	1:B:88:ALA:HB1	1:B:89:MET:HB3	16	0.29
(1,4826)	1:B:88:ALA:HB3	1:B:89:MET:HB2	16	0.29
(1,4826)	1:B:88:ALA:HB3	1:B:89:MET:HB3	16	0.29
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB2	16	0.29
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB1	16	0.29
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB3	16	0.29
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB2	16	0.29
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB1	16	0.29
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB3	16	0.29
(1,4825)	1:A:19:ALA:HB2	1:A:15:GLU:HB2	16	0.29
(1,4825)	1:A:19:ALA:HB2	1:A:15:GLU:HB3	16	0.29
(1,4825)	1:A:19:ALA:HB1	1:A:15:GLU:HB2	16	0.29
(1,4825)	1:A:19:ALA:HB1	1:A:15:GLU:HB3	16	0.29
(1,4825)	1:A:19:ALA:HB3	1:A:15:GLU:HB2	16	0.29
(1,4825)	1:A:19:ALA:HB3	1:A:15:GLU:HB3	16	0.29
(1,4825)	1:A:19:ALA:HB2	1:B:9:GLU:HB2	16	0.29
(1,4825)	1:A:19:ALA:HB2	1:B:9:GLU:HB3	16	0.29
(1,4825)	1:A:19:ALA:HB1	1:B:9:GLU:HB2	16	0.29
(1,4825)	1:A:19:ALA:HB1	1:B:9:GLU:HB3	16	0.29
(1,4825)	1:A:19:ALA:HB3	1:B:9:GLU:HB2	16	0.29
(1,4825)	1:A:19:ALA:HB3	1:B:9:GLU:HB3	16	0.29
(1,4825)	1:A:88:ALA:HB2	1:A:89:MET:HB2	16	0.29
(1,4825)	1:A:88:ALA:HB2	1:A:89:MET:HB3	16	0.29
(1,4825)	1:A:88:ALA:HB1	1:A:89:MET:HB2	16	0.29
(1,4825)	1:A:88:ALA:HB1	1:A:89:MET:HB3	16	0.29
(1,4825)	1:A:88:ALA:HB3	1:A:89:MET:HB2	16	0.29
(1,4825)	1:A:88:ALA:HB3	1:A:89:MET:HB3	16	0.29
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB2	16	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB1	16	0.29
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB3	16	0.29
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB2	16	0.29
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB1	16	0.29
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB3	16	0.29
(1,4782)	1:B:8:THR:HB	1:B:7:PRO:HG2	12	0.29
(1,4782)	1:B:8:THR:HB	1:B:7:PRO:HG3	12	0.29
(1,4782)	1:B:74:GLN:HA	1:B:40:LEU:HG	12	0.29
(1,4782)	1:B:8:THR:HB	1:B:7:PRO:HG2	13	0.29
(1,4782)	1:B:8:THR:HB	1:B:7:PRO:HG3	13	0.29
(1,4782)	1:B:74:GLN:HA	1:B:40:LEU:HG	13	0.29
(1,4781)	1:A:8:THR:HB	1:A:7:PRO:HG2	12	0.29
(1,4781)	1:A:8:THR:HB	1:A:7:PRO:HG3	12	0.29
(1,4781)	1:A:74:GLN:HA	1:A:40:LEU:HG	12	0.29
(1,4781)	1:A:8:THR:HB	1:A:7:PRO:HG2	13	0.29
(1,4781)	1:A:8:THR:HB	1:A:7:PRO:HG3	13	0.29
(1,4781)	1:A:74:GLN:HA	1:A:40:LEU:HG	13	0.29
(1,4781)	1:A:8:THR:HB	1:A:7:PRO:HG2	16	0.29
(1,4781)	1:A:8:THR:HB	1:A:7:PRO:HG3	16	0.29
(1,4781)	1:A:74:GLN:HA	1:A:40:LEU:HG	16	0.29
(1,4618)	1:B:68:ASP:HA	1:B:74:GLN:HB3	5	0.29
(1,4618)	1:B:74:GLN:HB3	1:B:72:ASP:HA	5	0.29
(1,4438)	1:B:22:GLN:HG2	1:B:25:ALA:HB2	9	0.29
(1,4438)	1:B:22:GLN:HG2	1:B:25:ALA:HB1	9	0.29
(1,4438)	1:B:22:GLN:HG2	1:B:25:ALA:HB3	9	0.29
(1,4438)	1:B:22:GLN:HG3	1:B:25:ALA:HB2	9	0.29
(1,4438)	1:B:22:GLN:HG3	1:B:25:ALA:HB1	9	0.29
(1,4438)	1:B:22:GLN:HG3	1:B:25:ALA:HB3	9	0.29
(1,4438)	1:B:25:ALA:HB2	1:B:24:TYR:HB3	9	0.29
(1,4438)	1:B:25:ALA:HB1	1:B:24:TYR:HB3	9	0.29
(1,4438)	1:B:25:ALA:HB3	1:B:24:TYR:HB3	9	0.29
(1,4437)	1:A:22:GLN:HG2	1:A:25:ALA:HB2	9	0.29
(1,4437)	1:A:22:GLN:HG2	1:A:25:ALA:HB1	9	0.29
(1,4437)	1:A:22:GLN:HG2	1:A:25:ALA:HB3	9	0.29
(1,4437)	1:A:22:GLN:HG3	1:A:25:ALA:HB2	9	0.29
(1,4437)	1:A:22:GLN:HG3	1:A:25:ALA:HB1	9	0.29
(1,4437)	1:A:22:GLN:HG3	1:A:25:ALA:HB3	9	0.29
(1,4437)	1:A:25:ALA:HB2	1:A:24:TYR:HB3	9	0.29
(1,4437)	1:A:25:ALA:HB1	1:A:24:TYR:HB3	9	0.29
(1,4437)	1:A:25:ALA:HB3	1:A:24:TYR:HB3	9	0.29
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD22	2	0.29
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD21	2	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD23	2	0.29
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD22	2	0.29
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD21	2	0.29
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD23	2	0.29
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD22	2	0.29
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD21	2	0.29
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD23	2	0.29
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD22	2	0.29
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD21	2	0.29
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD23	2	0.29
(1,4334)	1:B:74:GLN:HB3	1:B:68:ASP:HB2	20	0.29
(1,4334)	1:B:18:ILE:HB	1:B:21:PHE:HB2	20	0.29
(1,4334)	1:B:64:MET:HB3	1:B:68:ASP:HB2	20	0.29
(1,4334)	1:B:68:ASP:HB2	1:B:67:LEU:HB2	20	0.29
(1,4333)	1:A:74:GLN:HB3	1:A:68:ASP:HB2	20	0.29
(1,4333)	1:A:18:ILE:HB	1:A:21:PHE:HB2	20	0.29
(1,4333)	1:A:64:MET:HB3	1:A:68:ASP:HB2	20	0.29
(1,4333)	1:A:68:ASP:HB2	1:A:67:LEU:HB2	20	0.29
(1,4230)	1:B:11:GLU:HB2	1:B:13:CYS:HB3	15	0.29
(1,4230)	1:B:11:GLU:HB3	1:B:13:CYS:HB3	15	0.29
(1,4230)	1:B:12:ARG:HB2	1:B:13:CYS:HB3	15	0.29
(1,4230)	1:B:12:ARG:HB3	1:B:13:CYS:HB3	15	0.29
(1,4230)	1:B:14:ILE:HB	1:B:13:CYS:HB3	15	0.29
(1,4230)	1:B:91:CYS:HB2	1:A:14:ILE:HB	15	0.29
(1,4230)	1:B:91:CYS:HB3	1:A:14:ILE:HB	15	0.29
(1,4230)	1:B:11:GLU:HB2	1:B:13:CYS:HB3	17	0.29
(1,4230)	1:B:11:GLU:HB3	1:B:13:CYS:HB3	17	0.29
(1,4230)	1:B:12:ARG:HB2	1:B:13:CYS:HB3	17	0.29
(1,4230)	1:B:12:ARG:HB3	1:B:13:CYS:HB3	17	0.29
(1,4230)	1:B:14:ILE:HB	1:B:13:CYS:HB3	17	0.29
(1,4230)	1:B:91:CYS:HB2	1:A:14:ILE:HB	17	0.29
(1,4230)	1:B:91:CYS:HB3	1:A:14:ILE:HB	17	0.29
(1,4229)	1:A:11:GLU:HB2	1:A:13:CYS:HB3	15	0.29
(1,4229)	1:A:11:GLU:HB3	1:A:13:CYS:HB3	15	0.29
(1,4229)	1:A:12:ARG:HB2	1:A:13:CYS:HB3	15	0.29
(1,4229)	1:A:12:ARG:HB3	1:A:13:CYS:HB3	15	0.29
(1,4229)	1:A:14:ILE:HB	1:A:13:CYS:HB3	15	0.29
(1,4229)	1:A:91:CYS:HB2	1:B:14:ILE:HB	15	0.29
(1,4229)	1:A:91:CYS:HB3	1:B:14:ILE:HB	15	0.29
(1,4229)	1:A:11:GLU:HB2	1:A:13:CYS:HB3	17	0.29
(1,4229)	1:A:11:GLU:HB3	1:A:13:CYS:HB3	17	0.29
(1,4229)	1:A:12:ARG:HB2	1:A:13:CYS:HB3	17	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4229)	1:A:12:ARG:HB3	1:A:13:CYS:HB3	17	0.29
(1,4229)	1:A:14:ILE:HB	1:A:13:CYS:HB3	17	0.29
(1,4229)	1:A:91:CYS:HB2	1:B:14:ILE:HB	17	0.29
(1,4229)	1:A:91:CYS:HB3	1:B:14:ILE:HB	17	0.29
(1,4196)	1:B:52:LYS:HD2	1:B:53:ASN:HB3	1	0.29
(1,4196)	1:B:52:LYS:HD3	1:B:53:ASN:HB3	1	0.29
(1,4196)	1:B:52:LYS:HD2	1:B:44:ASN:HB3	1	0.29
(1,4196)	1:B:52:LYS:HD3	1:B:44:ASN:HB3	1	0.29
(1,4196)	1:B:52:LYS:HB2	1:B:53:ASN:HB3	1	0.29
(1,4196)	1:B:52:LYS:HB3	1:B:53:ASN:HB3	1	0.29
(1,4195)	1:A:52:LYS:HD2	1:A:53:ASN:HB3	1	0.29
(1,4195)	1:A:52:LYS:HD3	1:A:53:ASN:HB3	1	0.29
(1,4195)	1:A:52:LYS:HD2	1:A:44:ASN:HB3	1	0.29
(1,4195)	1:A:52:LYS:HD3	1:A:44:ASN:HB3	1	0.29
(1,4195)	1:A:52:LYS:HB2	1:A:53:ASN:HB3	1	0.29
(1,4195)	1:A:52:LYS:HB3	1:A:53:ASN:HB3	1	0.29
(1,4058)	1:B:18:ILE:HG22	1:A:91:CYS:HB2	7	0.29
(1,4058)	1:B:18:ILE:HG22	1:A:91:CYS:HB3	7	0.29
(1,4058)	1:B:18:ILE:HG21	1:A:91:CYS:HB2	7	0.29
(1,4058)	1:B:18:ILE:HG21	1:A:91:CYS:HB3	7	0.29
(1,4058)	1:B:18:ILE:HG23	1:A:91:CYS:HB2	7	0.29
(1,4058)	1:B:18:ILE:HG23	1:A:91:CYS:HB3	7	0.29
(1,4058)	1:B:21:PHE:HB2	1:B:18:ILE:HG22	7	0.29
(1,4058)	1:B:21:PHE:HB2	1:B:18:ILE:HG21	7	0.29
(1,4058)	1:B:21:PHE:HB2	1:B:18:ILE:HG23	7	0.29
(1,4051)	1:A:58:GLY:HA3	1:A:57:PRO:HB3	10	0.29
(1,4051)	1:A:58:GLY:HA3	1:A:57:PRO:HG2	10	0.29
(1,4051)	1:A:58:GLY:HA3	1:A:57:PRO:HG3	10	0.29
(1,4047)	1:A:52:LYS:HB2	1:A:53:ASN:HB3	5	0.29
(1,4047)	1:A:52:LYS:HB3	1:A:53:ASN:HB3	5	0.29
(1,4047)	1:A:74:GLN:HB2	1:A:76:ASP:HB3	5	0.29
(1,4024)	1:B:83:LEU:HB3	1:B:66:LYS:HE2	5	0.29
(1,4024)	1:B:83:LEU:HB3	1:B:66:LYS:HE3	5	0.29
(1,4024)	1:B:83:LEU:HB3	1:B:82:ASN:HB2	5	0.29
(1,4012)	1:B:81:LEU:HD22	1:A:89:MET:HG3	8	0.29
(1,4012)	1:B:81:LEU:HD21	1:A:89:MET:HG3	8	0.29
(1,4012)	1:B:81:LEU:HD23	1:A:89:MET:HG3	8	0.29
(1,4012)	1:B:81:LEU:HD22	1:B:21:PHE:HB3	8	0.29
(1,4012)	1:B:81:LEU:HD21	1:B:21:PHE:HB3	8	0.29
(1,4012)	1:B:81:LEU:HD23	1:B:21:PHE:HB3	8	0.29
(1,4012)	1:B:81:LEU:HD22	1:A:89:MET:HG3	11	0.29
(1,4012)	1:B:81:LEU:HD21	1:A:89:MET:HG3	11	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4012)	1:B:81:LEU:HD23	1:A:89:MET:HG3	11	0.29
(1,4012)	1:B:81:LEU:HD22	1:B:21:PHE:HB3	11	0.29
(1,4012)	1:B:81:LEU:HD21	1:B:21:PHE:HB3	11	0.29
(1,4012)	1:B:81:LEU:HD23	1:B:21:PHE:HB3	11	0.29
(1,3938)	1:B:39:PHE:HB2	1:B:36:LYS:HG2	10	0.29
(1,3938)	1:B:39:PHE:HB2	1:B:36:LYS:HG3	10	0.29
(1,3938)	1:B:65:LYS:HG2	1:B:64:MET:HA	10	0.29
(1,3938)	1:B:65:LYS:HG3	1:B:64:MET:HA	10	0.29
(1,3938)	1:B:39:PHE:HB2	1:B:36:LYS:HG2	16	0.29
(1,3938)	1:B:39:PHE:HB2	1:B:36:LYS:HG3	16	0.29
(1,3938)	1:B:65:LYS:HG2	1:B:64:MET:HA	16	0.29
(1,3938)	1:B:65:LYS:HG3	1:B:64:MET:HA	16	0.29
(1,3937)	1:A:39:PHE:HB2	1:A:36:LYS:HG2	10	0.29
(1,3937)	1:A:39:PHE:HB2	1:A:36:LYS:HG3	10	0.29
(1,3937)	1:A:65:LYS:HG2	1:A:64:MET:HA	10	0.29
(1,3937)	1:A:65:LYS:HG3	1:A:64:MET:HA	10	0.29
(1,3937)	1:A:39:PHE:HB2	1:A:36:LYS:HG2	16	0.29
(1,3937)	1:A:39:PHE:HB2	1:A:36:LYS:HG3	16	0.29
(1,3937)	1:A:65:LYS:HG2	1:A:64:MET:HA	16	0.29
(1,3937)	1:A:65:LYS:HG3	1:A:64:MET:HA	16	0.29
(1,3680)	1:B:33:THR:HB	1:B:34:LEU:HG	8	0.29
(1,3680)	1:B:33:THR:HB	1:B:75:LEU:HB3	8	0.29
(1,3679)	1:A:33:THR:HB	1:A:34:LEU:HG	8	0.29
(1,3679)	1:A:33:THR:HB	1:A:75:LEU:HB3	8	0.29
(1,3625)	1:A:34:LEU:HA	1:A:24:TYR:HB2	4	0.29
(1,3625)	1:A:34:LEU:HA	1:A:27:LYS:HE2	4	0.29
(1,3625)	1:A:34:LEU:HA	1:A:27:LYS:HE3	4	0.29
(1,3588)	1:B:75:LEU:HB2	1:B:76:ASP:HB2	9	0.29
(1,3588)	1:B:76:ASP:HB2	1:B:77:PHE:HB3	9	0.29
(1,3587)	1:A:75:LEU:HB2	1:A:76:ASP:HB2	9	0.29
(1,3587)	1:A:76:ASP:HB2	1:A:77:PHE:HB3	9	0.29
(1,3500)	1:B:29:GLY:HA2	1:B:28:ASP:HB2	3	0.29
(1,3500)	1:B:73:GLY:HA2	1:B:72:ASP:HB2	3	0.29
(1,3500)	1:B:29:GLY:HA2	1:B:28:ASP:HB2	15	0.29
(1,3500)	1:B:73:GLY:HA2	1:B:72:ASP:HB2	15	0.29
(1,3499)	1:A:29:GLY:HA2	1:A:28:ASP:HB2	3	0.29
(1,3499)	1:A:73:GLY:HA2	1:A:72:ASP:HB2	3	0.29
(1,3499)	1:A:29:GLY:HA2	1:A:28:ASP:HB2	15	0.29
(1,3499)	1:A:73:GLY:HA2	1:A:72:ASP:HB2	15	0.29
(1,3466)	1:B:100:PRO:HD2	1:B:96:LEU:HB3	4	0.29
(1,3466)	1:B:100:PRO:HD2	1:B:98:ALA:HB2	4	0.29
(1,3466)	1:B:100:PRO:HD2	1:B:98:ALA:HB1	4	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3466)	1:B:100:PRO:HD2	1:B:98:ALA:HB3	4	0.29
(1,3465)	1:A:100:PRO:HD2	1:A:96:LEU:HB3	4	0.29
(1,3465)	1:A:100:PRO:HD2	1:A:98:ALA:HB2	4	0.29
(1,3465)	1:A:100:PRO:HD2	1:A:98:ALA:HB1	4	0.29
(1,3465)	1:A:100:PRO:HD2	1:A:98:ALA:HB3	4	0.29
(1,3056)	1:B:94:SER:H	1:B:93:ASP:HB2	5	0.29
(1,3055)	1:A:94:SER:H	1:A:93:ASP:HB2	5	0.29
(1,1870)	1:B:20:VAL:HG12	1:B:21:PHE:H	8	0.29
(1,1870)	1:B:20:VAL:HG11	1:B:21:PHE:H	8	0.29
(1,1870)	1:B:20:VAL:HG13	1:B:21:PHE:H	8	0.29
(1,1870)	1:B:20:VAL:HG12	1:B:21:PHE:H	19	0.29
(1,1870)	1:B:20:VAL:HG11	1:B:21:PHE:H	19	0.29
(1,1870)	1:B:20:VAL:HG13	1:B:21:PHE:H	19	0.29
(1,1869)	1:A:20:VAL:HG12	1:A:21:PHE:H	8	0.29
(1,1869)	1:A:20:VAL:HG11	1:A:21:PHE:H	8	0.29
(1,1869)	1:A:20:VAL:HG13	1:A:21:PHE:H	8	0.29
(1,1869)	1:A:20:VAL:HG12	1:A:21:PHE:H	19	0.29
(1,1869)	1:A:20:VAL:HG11	1:A:21:PHE:H	19	0.29
(1,1869)	1:A:20:VAL:HG13	1:A:21:PHE:H	19	0.29
(1,132)	1:B:46:GLU:HB3	1:B:42:PHE:HA	17	0.29
(2,86)	1:B:42:PHE:HB2	1:B:47:LEU:H	13	0.28
(2,85)	1:A:42:PHE:HB2	1:A:47:LEU:H	13	0.28
(2,8)	1:B:89:MET:HG3	1:A:77:PHE:HB3	4	0.28
(2,124)	1:B:44:ASN:HB2	1:B:48:ALA:H	19	0.28
(1,986)	1:B:61:ASP:H	1:B:58:GLY:HA3	16	0.28
(1,985)	1:A:61:ASP:H	1:A:58:GLY:HA3	16	0.28
(1,985)	1:A:61:ASP:H	1:A:58:GLY:HA3	19	0.28
(1,884)	1:B:34:LEU:HB3	1:B:80:PHE:HB2	12	0.28
(1,883)	1:A:34:LEU:HB3	1:A:80:PHE:HB2	12	0.28
(1,622)	1:B:63:MET:H	1:B:62:ARG:HG2	2	0.28
(1,622)	1:B:63:MET:H	1:B:62:ARG:HG2	7	0.28
(1,621)	1:A:63:MET:H	1:A:62:ARG:HG2	15	0.28
(1,5536)	1:B:23:LYS:H	1:B:20:VAL:HB	7	0.28
(1,5536)	1:B:23:LYS:H	1:B:22:GLN:HG2	7	0.28
(1,5536)	1:B:23:LYS:H	1:B:22:GLN:HG3	7	0.28
(1,5536)	1:B:23:LYS:H	1:B:24:TYR:HB3	7	0.28
(1,5536)	1:B:23:LYS:H	1:B:20:VAL:HB	10	0.28
(1,5536)	1:B:23:LYS:H	1:B:22:GLN:HG2	10	0.28
(1,5536)	1:B:23:LYS:H	1:B:22:GLN:HG3	10	0.28
(1,5536)	1:B:23:LYS:H	1:B:24:TYR:HB3	10	0.28
(1,5535)	1:A:23:LYS:H	1:A:20:VAL:HB	7	0.28
(1,5535)	1:A:23:LYS:H	1:A:22:GLN:HG2	7	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5535)	1:A:23:LYS:H	1:A:22:GLN:HG3	7	0.28
(1,5535)	1:A:23:LYS:H	1:A:24:TYR:HB3	7	0.28
(1,5535)	1:A:23:LYS:H	1:A:20:VAL:HB	10	0.28
(1,5535)	1:A:23:LYS:H	1:A:22:GLN:HG2	10	0.28
(1,5535)	1:A:23:LYS:H	1:A:22:GLN:HG3	10	0.28
(1,5535)	1:A:23:LYS:H	1:A:24:TYR:HB3	10	0.28
(1,5462)	1:B:45:THR:H	1:B:46:GLU:HB3	17	0.28
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG21	17	0.28
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG22	17	0.28
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG23	17	0.28
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD12	17	0.28
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD11	17	0.28
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD13	17	0.28
(1,5461)	1:A:45:THR:H	1:A:46:GLU:HB3	17	0.28
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG21	17	0.28
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG22	17	0.28
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG23	17	0.28
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD12	17	0.28
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD11	17	0.28
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD13	17	0.28
(1,5300)	1:B:26:GLY:H	1:B:23:LYS:HD2	3	0.28
(1,5300)	1:B:26:GLY:H	1:B:23:LYS:HD3	3	0.28
(1,5300)	1:B:26:GLY:H	1:B:34:LEU:HB3	3	0.28
(1,5300)	1:B:26:GLY:H	1:B:23:LYS:HD2	10	0.28
(1,5300)	1:B:26:GLY:H	1:B:23:LYS:HD3	10	0.28
(1,5300)	1:B:26:GLY:H	1:B:34:LEU:HB3	10	0.28
(1,5300)	1:B:26:GLY:H	1:B:23:LYS:HD2	13	0.28
(1,5300)	1:B:26:GLY:H	1:B:23:LYS:HD3	13	0.28
(1,5300)	1:B:26:GLY:H	1:B:34:LEU:HB3	13	0.28
(1,5300)	1:B:26:GLY:H	1:B:23:LYS:HD2	16	0.28
(1,5300)	1:B:26:GLY:H	1:B:23:LYS:HD3	16	0.28
(1,5300)	1:B:26:GLY:H	1:B:34:LEU:HB3	16	0.28
(1,5299)	1:A:26:GLY:H	1:A:23:LYS:HD2	10	0.28
(1,5299)	1:A:26:GLY:H	1:A:23:LYS:HD3	10	0.28
(1,5299)	1:A:26:GLY:H	1:A:34:LEU:HB3	10	0.28
(1,5299)	1:A:26:GLY:H	1:A:23:LYS:HD2	16	0.28
(1,5299)	1:A:26:GLY:H	1:A:23:LYS:HD3	16	0.28
(1,5299)	1:A:26:GLY:H	1:A:34:LEU:HB3	16	0.28
(1,5298)	1:B:26:GLY:H	1:B:23:LYS:HD2	3	0.28
(1,5298)	1:B:26:GLY:H	1:B:23:LYS:HD3	3	0.28
(1,5298)	1:B:26:GLY:H	1:B:34:LEU:HB3	3	0.28
(1,5298)	1:B:26:GLY:H	1:B:23:LYS:HD2	10	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5298)	1:B:26:GLY:H	1:B:23:LYS:HD3	10	0.28
(1,5298)	1:B:26:GLY:H	1:B:34:LEU:HB3	10	0.28
(1,5298)	1:B:26:GLY:H	1:B:23:LYS:HD2	13	0.28
(1,5298)	1:B:26:GLY:H	1:B:23:LYS:HD3	13	0.28
(1,5298)	1:B:26:GLY:H	1:B:34:LEU:HB3	13	0.28
(1,5298)	1:B:26:GLY:H	1:B:23:LYS:HD2	16	0.28
(1,5298)	1:B:26:GLY:H	1:B:23:LYS:HD3	16	0.28
(1,5298)	1:B:26:GLY:H	1:B:34:LEU:HB3	16	0.28
(1,5297)	1:A:26:GLY:H	1:A:23:LYS:HD2	10	0.28
(1,5297)	1:A:26:GLY:H	1:A:23:LYS:HD3	10	0.28
(1,5297)	1:A:26:GLY:H	1:A:34:LEU:HB3	10	0.28
(1,5297)	1:A:26:GLY:H	1:A:23:LYS:HD2	16	0.28
(1,5297)	1:A:26:GLY:H	1:A:23:LYS:HD3	16	0.28
(1,5297)	1:A:26:GLY:H	1:A:34:LEU:HB3	16	0.28
(1,4825)	1:A:19:ALA:HB2	1:A:15:GLU:HB2	9	0.28
(1,4825)	1:A:19:ALA:HB2	1:A:15:GLU:HB3	9	0.28
(1,4825)	1:A:19:ALA:HB1	1:A:15:GLU:HB2	9	0.28
(1,4825)	1:A:19:ALA:HB1	1:A:15:GLU:HB3	9	0.28
(1,4825)	1:A:19:ALA:HB3	1:A:15:GLU:HB2	9	0.28
(1,4825)	1:A:19:ALA:HB3	1:A:15:GLU:HB3	9	0.28
(1,4825)	1:A:19:ALA:HB2	1:B:9:GLU:HB2	9	0.28
(1,4825)	1:A:19:ALA:HB2	1:B:9:GLU:HB3	9	0.28
(1,4825)	1:A:19:ALA:HB1	1:B:9:GLU:HB2	9	0.28
(1,4825)	1:A:19:ALA:HB1	1:B:9:GLU:HB3	9	0.28
(1,4825)	1:A:19:ALA:HB3	1:B:9:GLU:HB2	9	0.28
(1,4825)	1:A:19:ALA:HB3	1:B:9:GLU:HB3	9	0.28
(1,4825)	1:A:88:ALA:HB2	1:A:89:MET:HB2	9	0.28
(1,4825)	1:A:88:ALA:HB2	1:A:89:MET:HB3	9	0.28
(1,4825)	1:A:88:ALA:HB1	1:A:89:MET:HB2	9	0.28
(1,4825)	1:A:88:ALA:HB1	1:A:89:MET:HB3	9	0.28
(1,4825)	1:A:88:ALA:HB3	1:A:89:MET:HB2	9	0.28
(1,4825)	1:A:88:ALA:HB3	1:A:89:MET:HB3	9	0.28
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB2	9	0.28
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB1	9	0.28
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB3	9	0.28
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB2	9	0.28
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB1	9	0.28
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB3	9	0.28
(1,4654)	1:B:94:SER:HB2	1:B:99:VAL:HB	3	0.28
(1,4654)	1:B:94:SER:HB3	1:B:99:VAL:HB	3	0.28
(1,4654)	1:B:94:SER:HB2	1:B:100:PRO:HB3	3	0.28
(1,4654)	1:B:94:SER:HB3	1:B:100:PRO:HB3	3	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4654)	1:B:94:SER:HB2	1:B:100:PRO:HG2	3	0.28
(1,4654)	1:B:94:SER:HB3	1:B:100:PRO:HG2	3	0.28
(1,4654)	1:B:94:SER:HB2	1:B:100:PRO:HG3	3	0.28
(1,4654)	1:B:94:SER:HB3	1:B:100:PRO:HG3	3	0.28
(1,4654)	1:B:94:SER:HB2	1:A:11:GLU:HB2	3	0.28
(1,4654)	1:B:94:SER:HB2	1:A:11:GLU:HB3	3	0.28
(1,4654)	1:B:94:SER:HB3	1:A:11:GLU:HB2	3	0.28
(1,4654)	1:B:94:SER:HB3	1:A:11:GLU:HB3	3	0.28
(1,4654)	1:B:94:SER:HB2	1:A:14:ILE:HB	3	0.28
(1,4654)	1:B:94:SER:HB3	1:A:14:ILE:HB	3	0.28
(1,4654)	1:B:94:SER:HB2	1:A:22:GLN:HB2	3	0.28
(1,4654)	1:B:94:SER:HB2	1:A:22:GLN:HB3	3	0.28
(1,4654)	1:B:94:SER:HB3	1:A:22:GLN:HB2	3	0.28
(1,4654)	1:B:94:SER:HB3	1:A:22:GLN:HB3	3	0.28
(1,4653)	1:A:94:SER:HB2	1:A:99:VAL:HB	3	0.28
(1,4653)	1:A:94:SER:HB3	1:A:99:VAL:HB	3	0.28
(1,4653)	1:A:94:SER:HB2	1:A:100:PRO:HB3	3	0.28
(1,4653)	1:A:94:SER:HB3	1:A:100:PRO:HB3	3	0.28
(1,4653)	1:A:94:SER:HB2	1:A:100:PRO:HG2	3	0.28
(1,4653)	1:A:94:SER:HB3	1:A:100:PRO:HG2	3	0.28
(1,4653)	1:A:94:SER:HB2	1:A:100:PRO:HG3	3	0.28
(1,4653)	1:A:94:SER:HB3	1:A:100:PRO:HG3	3	0.28
(1,4653)	1:A:94:SER:HB2	1:B:11:GLU:HB2	3	0.28
(1,4653)	1:A:94:SER:HB2	1:B:11:GLU:HB3	3	0.28
(1,4653)	1:A:94:SER:HB3	1:B:11:GLU:HB2	3	0.28
(1,4653)	1:A:94:SER:HB3	1:B:11:GLU:HB3	3	0.28
(1,4653)	1:A:94:SER:HB2	1:B:14:ILE:HB	3	0.28
(1,4653)	1:A:94:SER:HB3	1:B:14:ILE:HB	3	0.28
(1,4653)	1:A:94:SER:HB2	1:B:22:GLN:HB2	3	0.28
(1,4653)	1:A:94:SER:HB2	1:B:22:GLN:HB3	3	0.28
(1,4653)	1:A:94:SER:HB3	1:B:22:GLN:HB2	3	0.28
(1,4653)	1:A:94:SER:HB3	1:B:22:GLN:HB3	3	0.28
(1,4617)	1:A:68:ASP:HA	1:A:74:GLN:HB3	5	0.28
(1,4617)	1:A:74:GLN:HB3	1:A:72:ASP:HA	5	0.28
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD22	7	0.28
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD21	7	0.28
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD23	7	0.28
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD22	7	0.28
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD21	7	0.28
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD23	7	0.28
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD22	7	0.28
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD21	7	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD23	7	0.28
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD22	7	0.28
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD21	7	0.28
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD23	7	0.28
(1,4104)	1:B:42:PHE:HA	1:B:20:VAL:HB	4	0.28
(1,4104)	1:B:42:PHE:HA	1:B:38:GLU:HB2	4	0.28
(1,4103)	1:A:42:PHE:HA	1:A:20:VAL:HB	4	0.28
(1,4103)	1:A:42:PHE:HA	1:A:38:GLU:HB2	4	0.28
(1,4058)	1:B:18:ILE:HG22	1:A:91:CYS:HB2	12	0.28
(1,4058)	1:B:18:ILE:HG22	1:A:91:CYS:HB3	12	0.28
(1,4058)	1:B:18:ILE:HG21	1:A:91:CYS:HB2	12	0.28
(1,4058)	1:B:18:ILE:HG21	1:A:91:CYS:HB3	12	0.28
(1,4058)	1:B:18:ILE:HG23	1:A:91:CYS:HB2	12	0.28
(1,4058)	1:B:18:ILE:HG23	1:A:91:CYS:HB3	12	0.28
(1,4058)	1:B:21:PHE:HB2	1:B:18:ILE:HG22	12	0.28
(1,4058)	1:B:21:PHE:HB2	1:B:18:ILE:HG21	12	0.28
(1,4058)	1:B:21:PHE:HB2	1:B:18:ILE:HG23	12	0.28
(1,4052)	1:B:58:GLY:HA3	1:B:57:PRO:HB3	10	0.28
(1,4052)	1:B:58:GLY:HA3	1:B:57:PRO:HG2	10	0.28
(1,4052)	1:B:58:GLY:HA3	1:B:57:PRO:HG3	10	0.28
(1,4051)	1:A:58:GLY:HA3	1:A:57:PRO:HB3	4	0.28
(1,4051)	1:A:58:GLY:HA3	1:A:57:PRO:HG2	4	0.28
(1,4051)	1:A:58:GLY:HA3	1:A:57:PRO:HG3	4	0.28
(1,4048)	1:B:52:LYS:HB2	1:B:53:ASN:HB3	5	0.28
(1,4048)	1:B:52:LYS:HB3	1:B:53:ASN:HB3	5	0.28
(1,4048)	1:B:74:GLN:HB2	1:B:76:ASP:HB3	5	0.28
(1,3925)	1:A:15:GLU:HB2	1:A:13:CYS:HB3	15	0.28
(1,3925)	1:A:15:GLU:HB3	1:A:13:CYS:HB3	15	0.28
(1,3925)	1:A:15:GLU:HB2	1:B:91:CYS:HB2	15	0.28
(1,3925)	1:A:15:GLU:HB2	1:B:91:CYS:HB3	15	0.28
(1,3925)	1:A:15:GLU:HB3	1:B:91:CYS:HB2	15	0.28
(1,3925)	1:A:15:GLU:HB3	1:B:91:CYS:HB3	15	0.28
(1,3925)	1:A:9:GLU:HB2	1:A:13:CYS:HB3	15	0.28
(1,3925)	1:A:9:GLU:HB3	1:A:13:CYS:HB3	15	0.28
(1,3802)	1:B:40:LEU:HA	1:B:36:LYS:HE2	2	0.28
(1,3802)	1:B:40:LEU:HA	1:B:36:LYS:HE3	2	0.28
(1,3802)	1:B:21:PHE:HB2	1:B:22:GLN:HA	2	0.28
(1,3801)	1:A:40:LEU:HA	1:A:36:LYS:HE2	2	0.28
(1,3801)	1:A:40:LEU:HA	1:A:36:LYS:HE3	2	0.28
(1,3801)	1:A:21:PHE:HB2	1:A:22:GLN:HA	2	0.28
(1,3670)	1:B:69:THR:HA	1:B:70:ASN:HB2	16	0.28
(1,3670)	1:B:70:ASN:HB2	1:B:71:SER:HA	16	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3669)	1:A:69:THR:HA	1:A:70:ASN:HB2	16	0.28
(1,3669)	1:A:70:ASN:HB2	1:A:71:SER:HA	16	0.28
(1,3626)	1:B:34:LEU:HA	1:B:24:TYR:HB2	4	0.28
(1,3626)	1:B:34:LEU:HA	1:B:27:LYS:HE2	4	0.28
(1,3626)	1:B:34:LEU:HA	1:B:27:LYS:HE3	4	0.28
(1,3468)	1:B:75:LEU:HB3	1:B:33:THR:HA	15	0.28
(1,3468)	1:B:75:LEU:HB3	1:B:34:LEU:HA	15	0.28
(1,3467)	1:A:75:LEU:HB3	1:A:33:THR:HA	15	0.28
(1,3467)	1:A:75:LEU:HB3	1:A:34:LEU:HA	15	0.28
(1,3403)	1:A:9:GLU:HB2	1:B:16:SER:HB3	12	0.28
(1,3403)	1:A:9:GLU:HB3	1:B:16:SER:HB3	12	0.28
(1,3403)	1:A:9:GLU:HB2	1:B:20:VAL:HA	12	0.28
(1,3403)	1:A:9:GLU:HB3	1:B:20:VAL:HA	12	0.28
(1,3170)	1:B:23:LYS:H	1:B:23:LYS:HD2	11	0.28
(1,3170)	1:B:23:LYS:H	1:B:23:LYS:HD3	11	0.28
(1,3169)	1:A:23:LYS:H	1:A:23:LYS:HD2	11	0.28
(1,3169)	1:A:23:LYS:H	1:A:23:LYS:HD3	11	0.28
(1,3056)	1:B:94:SER:H	1:B:93:ASP:HB2	9	0.28
(1,2592)	1:B:26:GLY:H	1:B:24:TYR:HB3	4	0.28
(1,2591)	1:A:26:GLY:H	1:A:24:TYR:HB3	4	0.28
(1,1821)	1:A:11:GLU:HG3	1:A:11:GLU:HA	13	0.28
(1,1608)	1:B:47:LEU:HB2	1:B:50:PHE:HB2	1	0.28
(1,1608)	1:B:47:LEU:HB2	1:B:50:PHE:HB3	1	0.28
(1,1607)	1:A:47:LEU:HB2	1:A:50:PHE:HB2	1	0.28
(1,1607)	1:A:47:LEU:HB2	1:A:50:PHE:HB3	1	0.28
(1,131)	1:A:46:GLU:HB3	1:A:42:PHE:HA	17	0.28
(1,1238)	1:B:62:ARG:HB3	1:B:59:VAL:HA	9	0.28
(1,1237)	1:A:62:ARG:HB3	1:A:59:VAL:HA	9	0.28
(2,92)	1:B:44:ASN:HB3	1:B:47:LEU:H	4	0.27
(2,91)	1:A:44:ASN:HB3	1:A:47:LEU:H	4	0.27
(2,123)	1:A:44:ASN:HB2	1:A:48:ALA:H	19	0.27
(1,986)	1:B:61:ASP:H	1:B:58:GLY:HA3	2	0.27
(1,985)	1:A:61:ASP:H	1:A:58:GLY:HA3	2	0.27
(1,884)	1:B:34:LEU:HB3	1:B:80:PHE:HB2	3	0.27
(1,883)	1:A:34:LEU:HB3	1:A:80:PHE:HB2	3	0.27
(1,621)	1:A:63:MET:H	1:A:62:ARG:HG2	7	0.27
(1,610)	1:B:63:MET:H	1:B:62:ARG:HG2	15	0.27
(1,609)	1:A:63:MET:H	1:A:62:ARG:HG2	2	0.27
(1,5622)	1:B:47:LEU:H	1:B:45:THR:HG21	13	0.27
(1,5622)	1:B:47:LEU:H	1:B:45:THR:HG22	13	0.27
(1,5622)	1:B:47:LEU:H	1:B:45:THR:HG23	13	0.27
(1,5622)	1:B:47:LEU:H	1:B:48:ALA:HB2	13	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5622)	1:B:47:LEU:H	1:B:48:ALA:HB1	13	0.27
(1,5622)	1:B:47:LEU:H	1:B:48:ALA:HB3	13	0.27
(1,5621)	1:A:47:LEU:H	1:A:45:THR:HG21	13	0.27
(1,5621)	1:A:47:LEU:H	1:A:45:THR:HG22	13	0.27
(1,5621)	1:A:47:LEU:H	1:A:45:THR:HG23	13	0.27
(1,5621)	1:A:47:LEU:H	1:A:48:ALA:HB2	13	0.27
(1,5621)	1:A:47:LEU:H	1:A:48:ALA:HB1	13	0.27
(1,5621)	1:A:47:LEU:H	1:A:48:ALA:HB3	13	0.27
(1,5536)	1:B:23:LYS:H	1:B:20:VAL:HB	20	0.27
(1,5536)	1:B:23:LYS:H	1:B:22:GLN:HG2	20	0.27
(1,5536)	1:B:23:LYS:H	1:B:22:GLN:HG3	20	0.27
(1,5536)	1:B:23:LYS:H	1:B:24:TYR:HB3	20	0.27
(1,5535)	1:A:23:LYS:H	1:A:20:VAL:HB	20	0.27
(1,5535)	1:A:23:LYS:H	1:A:22:GLN:HG2	20	0.27
(1,5535)	1:A:23:LYS:H	1:A:22:GLN:HG3	20	0.27
(1,5535)	1:A:23:LYS:H	1:A:24:TYR:HB3	20	0.27
(1,5464)	1:B:45:THR:H	1:B:43:MET:HB2	13	0.27
(1,5464)	1:B:45:THR:H	1:B:43:MET:HB3	13	0.27
(1,5464)	1:B:45:THR:H	1:B:46:GLU:HB2	13	0.27
(1,5463)	1:A:45:THR:H	1:A:43:MET:HB2	13	0.27
(1,5463)	1:A:45:THR:H	1:A:43:MET:HB3	13	0.27
(1,5463)	1:A:45:THR:H	1:A:46:GLU:HB2	13	0.27
(1,5462)	1:B:45:THR:H	1:B:46:GLU:HB3	8	0.27
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG21	8	0.27
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG22	8	0.27
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG23	8	0.27
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD12	8	0.27
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD11	8	0.27
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD13	8	0.27
(1,5462)	1:B:45:THR:H	1:B:46:GLU:HB3	16	0.27
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG21	16	0.27
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG22	16	0.27
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG23	16	0.27
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD12	16	0.27
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD11	16	0.27
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD13	16	0.27
(1,5461)	1:A:45:THR:H	1:A:46:GLU:HB3	8	0.27
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG21	8	0.27
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG22	8	0.27
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG23	8	0.27
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD12	8	0.27
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD11	8	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD13	8	0.27
(1,5461)	1:A:45:THR:H	1:A:46:GLU:HB3	16	0.27
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG21	16	0.27
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG22	16	0.27
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG23	16	0.27
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD12	16	0.27
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD11	16	0.27
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD13	16	0.27
(1,4974)	1:B:83:LEU:HD22	1:B:80:PHE:HA	9	0.27
(1,4974)	1:B:83:LEU:HD21	1:B:80:PHE:HA	9	0.27
(1,4974)	1:B:83:LEU:HD23	1:B:80:PHE:HA	9	0.27
(1,4974)	1:B:83:LEU:HA	1:B:83:LEU:HD22	9	0.27
(1,4974)	1:B:83:LEU:HA	1:B:83:LEU:HD21	9	0.27
(1,4974)	1:B:83:LEU:HA	1:B:83:LEU:HD23	9	0.27
(1,4974)	1:B:37:THR:HA	1:B:40:LEU:HD22	9	0.27
(1,4974)	1:B:37:THR:HA	1:B:40:LEU:HD21	9	0.27
(1,4974)	1:B:37:THR:HA	1:B:40:LEU:HD23	9	0.27
(1,4973)	1:A:83:LEU:HD22	1:A:80:PHE:HA	9	0.27
(1,4973)	1:A:83:LEU:HD21	1:A:80:PHE:HA	9	0.27
(1,4973)	1:A:83:LEU:HD23	1:A:80:PHE:HA	9	0.27
(1,4973)	1:A:83:LEU:HA	1:A:83:LEU:HD22	9	0.27
(1,4973)	1:A:83:LEU:HA	1:A:83:LEU:HD21	9	0.27
(1,4973)	1:A:83:LEU:HA	1:A:83:LEU:HD23	9	0.27
(1,4973)	1:A:37:THR:HA	1:A:40:LEU:HD22	9	0.27
(1,4973)	1:A:37:THR:HA	1:A:40:LEU:HD21	9	0.27
(1,4973)	1:A:37:THR:HA	1:A:40:LEU:HD23	9	0.27
(1,4826)	1:B:19:ALA:HB2	1:B:15:GLU:HB2	5	0.27
(1,4826)	1:B:19:ALA:HB2	1:B:15:GLU:HB3	5	0.27
(1,4826)	1:B:19:ALA:HB1	1:B:15:GLU:HB2	5	0.27
(1,4826)	1:B:19:ALA:HB1	1:B:15:GLU:HB3	5	0.27
(1,4826)	1:B:19:ALA:HB3	1:B:15:GLU:HB2	5	0.27
(1,4826)	1:B:19:ALA:HB3	1:B:15:GLU:HB3	5	0.27
(1,4826)	1:B:19:ALA:HB2	1:A:9:GLU:HB2	5	0.27
(1,4826)	1:B:19:ALA:HB2	1:A:9:GLU:HB3	5	0.27
(1,4826)	1:B:19:ALA:HB1	1:A:9:GLU:HB2	5	0.27
(1,4826)	1:B:19:ALA:HB1	1:A:9:GLU:HB3	5	0.27
(1,4826)	1:B:19:ALA:HB3	1:A:9:GLU:HB2	5	0.27
(1,4826)	1:B:19:ALA:HB3	1:A:9:GLU:HB3	5	0.27
(1,4826)	1:B:88:ALA:HB2	1:B:89:MET:HB2	5	0.27
(1,4826)	1:B:88:ALA:HB2	1:B:89:MET:HB3	5	0.27
(1,4826)	1:B:88:ALA:HB1	1:B:89:MET:HB2	5	0.27
(1,4826)	1:B:88:ALA:HB1	1:B:89:MET:HB3	5	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4826)	1:B:88:ALA:HB3	1:B:89:MET:HB2	5	0.27
(1,4826)	1:B:88:ALA:HB3	1:B:89:MET:HB3	5	0.27
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB2	5	0.27
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB1	5	0.27
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB3	5	0.27
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB2	5	0.27
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB1	5	0.27
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB3	5	0.27
(1,4826)	1:B:19:ALA:HB2	1:B:15:GLU:HB2	9	0.27
(1,4826)	1:B:19:ALA:HB2	1:B:15:GLU:HB3	9	0.27
(1,4826)	1:B:19:ALA:HB1	1:B:15:GLU:HB2	9	0.27
(1,4826)	1:B:19:ALA:HB1	1:B:15:GLU:HB3	9	0.27
(1,4826)	1:B:19:ALA:HB3	1:B:15:GLU:HB2	9	0.27
(1,4826)	1:B:19:ALA:HB3	1:B:15:GLU:HB3	9	0.27
(1,4826)	1:B:19:ALA:HB2	1:A:9:GLU:HB2	9	0.27
(1,4826)	1:B:19:ALA:HB2	1:A:9:GLU:HB3	9	0.27
(1,4826)	1:B:19:ALA:HB1	1:A:9:GLU:HB2	9	0.27
(1,4826)	1:B:19:ALA:HB1	1:A:9:GLU:HB3	9	0.27
(1,4826)	1:B:19:ALA:HB3	1:A:9:GLU:HB2	9	0.27
(1,4826)	1:B:19:ALA:HB3	1:A:9:GLU:HB3	9	0.27
(1,4826)	1:B:88:ALA:HB2	1:B:89:MET:HB2	9	0.27
(1,4826)	1:B:88:ALA:HB2	1:B:89:MET:HB3	9	0.27
(1,4826)	1:B:88:ALA:HB1	1:B:89:MET:HB2	9	0.27
(1,4826)	1:B:88:ALA:HB1	1:B:89:MET:HB3	9	0.27
(1,4826)	1:B:88:ALA:HB3	1:B:89:MET:HB2	9	0.27
(1,4826)	1:B:88:ALA:HB3	1:B:89:MET:HB3	9	0.27
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB2	9	0.27
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB1	9	0.27
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB3	9	0.27
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB2	9	0.27
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB1	9	0.27
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB3	9	0.27
(1,4825)	1:A:19:ALA:HB2	1:A:15:GLU:HB2	5	0.27
(1,4825)	1:A:19:ALA:HB2	1:A:15:GLU:HB3	5	0.27
(1,4825)	1:A:19:ALA:HB1	1:A:15:GLU:HB2	5	0.27
(1,4825)	1:A:19:ALA:HB1	1:A:15:GLU:HB3	5	0.27
(1,4825)	1:A:19:ALA:HB3	1:A:15:GLU:HB2	5	0.27
(1,4825)	1:A:19:ALA:HB3	1:A:15:GLU:HB3	5	0.27
(1,4825)	1:A:19:ALA:HB2	1:B:9:GLU:HB2	5	0.27
(1,4825)	1:A:19:ALA:HB2	1:B:9:GLU:HB3	5	0.27
(1,4825)	1:A:19:ALA:HB1	1:B:9:GLU:HB2	5	0.27
(1,4825)	1:A:19:ALA:HB1	1:B:9:GLU:HB3	5	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4825)	1:A:19:ALA:HB3	1:B:9:GLU:HB2	5	0.27
(1,4825)	1:A:19:ALA:HB3	1:B:9:GLU:HB3	5	0.27
(1,4825)	1:A:88:ALA:HB2	1:A:89:MET:HB2	5	0.27
(1,4825)	1:A:88:ALA:HB2	1:A:89:MET:HB3	5	0.27
(1,4825)	1:A:88:ALA:HB1	1:A:89:MET:HB2	5	0.27
(1,4825)	1:A:88:ALA:HB1	1:A:89:MET:HB3	5	0.27
(1,4825)	1:A:88:ALA:HB3	1:A:89:MET:HB2	5	0.27
(1,4825)	1:A:88:ALA:HB3	1:A:89:MET:HB3	5	0.27
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB2	5	0.27
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB1	5	0.27
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB3	5	0.27
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB2	5	0.27
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB1	5	0.27
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB3	5	0.27
(1,4654)	1:B:94:SER:HB2	1:B:99:VAL:HB	8	0.27
(1,4654)	1:B:94:SER:HB3	1:B:99:VAL:HB	8	0.27
(1,4654)	1:B:94:SER:HB2	1:B:100:PRO:HB3	8	0.27
(1,4654)	1:B:94:SER:HB3	1:B:100:PRO:HB3	8	0.27
(1,4654)	1:B:94:SER:HB2	1:B:100:PRO:HG2	8	0.27
(1,4654)	1:B:94:SER:HB3	1:B:100:PRO:HG2	8	0.27
(1,4654)	1:B:94:SER:HB2	1:B:100:PRO:HG3	8	0.27
(1,4654)	1:B:94:SER:HB3	1:B:100:PRO:HG3	8	0.27
(1,4654)	1:B:94:SER:HB2	1:A:11:GLU:HB2	8	0.27
(1,4654)	1:B:94:SER:HB2	1:A:11:GLU:HB3	8	0.27
(1,4654)	1:B:94:SER:HB3	1:A:11:GLU:HB2	8	0.27
(1,4654)	1:B:94:SER:HB3	1:A:11:GLU:HB3	8	0.27
(1,4654)	1:B:94:SER:HB2	1:A:14:ILE:HB	8	0.27
(1,4654)	1:B:94:SER:HB3	1:A:14:ILE:HB	8	0.27
(1,4654)	1:B:94:SER:HB2	1:A:22:GLN:HB2	8	0.27
(1,4654)	1:B:94:SER:HB2	1:A:22:GLN:HB3	8	0.27
(1,4654)	1:B:94:SER:HB3	1:A:22:GLN:HB2	8	0.27
(1,4654)	1:B:94:SER:HB3	1:A:22:GLN:HB3	8	0.27
(1,4653)	1:A:94:SER:HB2	1:A:99:VAL:HB	8	0.27
(1,4653)	1:A:94:SER:HB3	1:A:99:VAL:HB	8	0.27
(1,4653)	1:A:94:SER:HB2	1:A:100:PRO:HB3	8	0.27
(1,4653)	1:A:94:SER:HB3	1:A:100:PRO:HB3	8	0.27
(1,4653)	1:A:94:SER:HB2	1:A:100:PRO:HG2	8	0.27
(1,4653)	1:A:94:SER:HB3	1:A:100:PRO:HG2	8	0.27
(1,4653)	1:A:94:SER:HB2	1:A:100:PRO:HG3	8	0.27
(1,4653)	1:A:94:SER:HB3	1:A:100:PRO:HG3	8	0.27
(1,4653)	1:A:94:SER:HB2	1:B:11:GLU:HB2	8	0.27
(1,4653)	1:A:94:SER:HB2	1:B:11:GLU:HB3	8	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4653)	1:A:94:SER:HB3	1:B:11:GLU:HB2	8	0.27
(1,4653)	1:A:94:SER:HB3	1:B:11:GLU:HB3	8	0.27
(1,4653)	1:A:94:SER:HB2	1:B:14:ILE:HB	8	0.27
(1,4653)	1:A:94:SER:HB3	1:B:14:ILE:HB	8	0.27
(1,4653)	1:A:94:SER:HB2	1:B:22:GLN:HB2	8	0.27
(1,4653)	1:A:94:SER:HB2	1:B:22:GLN:HB3	8	0.27
(1,4653)	1:A:94:SER:HB3	1:B:22:GLN:HB2	8	0.27
(1,4653)	1:A:94:SER:HB3	1:B:22:GLN:HB3	8	0.27
(1,4426)	1:B:89:MET:HG3	1:B:88:ALA:HB2	10	0.27
(1,4426)	1:B:89:MET:HG3	1:B:88:ALA:HB1	10	0.27
(1,4426)	1:B:89:MET:HG3	1:B:88:ALA:HB3	10	0.27
(1,4426)	1:B:89:MET:HG3	1:A:81:LEU:HB2	10	0.27
(1,4425)	1:A:89:MET:HG3	1:A:88:ALA:HB2	10	0.27
(1,4425)	1:A:89:MET:HG3	1:A:88:ALA:HB1	10	0.27
(1,4425)	1:A:89:MET:HG3	1:A:88:ALA:HB3	10	0.27
(1,4425)	1:A:89:MET:HG3	1:B:81:LEU:HB2	10	0.27
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD22	3	0.27
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD21	3	0.27
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD23	3	0.27
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD22	3	0.27
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD21	3	0.27
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD23	3	0.27
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD22	5	0.27
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD21	5	0.27
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD23	5	0.27
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD22	5	0.27
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD21	5	0.27
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD23	5	0.27
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD22	11	0.27
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD21	11	0.27
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD23	11	0.27
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD22	11	0.27
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD21	11	0.27
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD23	11	0.27
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD22	12	0.27
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD21	12	0.27
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD23	12	0.27
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD22	12	0.27
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD21	12	0.27
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD23	12	0.27
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD22	20	0.27
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD21	20	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD23	20	0.27
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD22	20	0.27
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD21	20	0.27
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD23	20	0.27
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD22	3	0.27
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD21	3	0.27
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD23	3	0.27
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD22	3	0.27
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD21	3	0.27
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD23	3	0.27
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD22	5	0.27
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD21	5	0.27
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD23	5	0.27
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD22	5	0.27
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD21	5	0.27
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD23	5	0.27
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD22	11	0.27
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD21	11	0.27
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD23	11	0.27
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD22	11	0.27
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD21	11	0.27
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD23	11	0.27
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD22	12	0.27
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD21	12	0.27
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD23	12	0.27
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD22	12	0.27
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD21	12	0.27
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD23	12	0.27
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD22	20	0.27
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD21	20	0.27
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD23	20	0.27
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD22	20	0.27
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD21	20	0.27
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD23	20	0.27
(1,4334)	1:B:74:GLN:HB3	1:B:68:ASP:HB2	19	0.27
(1,4334)	1:B:18:ILE:HB	1:B:21:PHE:HB2	19	0.27
(1,4334)	1:B:64:MET:HB3	1:B:68:ASP:HB2	19	0.27
(1,4334)	1:B:68:ASP:HB2	1:B:67:LEU:HB2	19	0.27
(1,4333)	1:A:74:GLN:HB3	1:A:68:ASP:HB2	19	0.27
(1,4333)	1:A:18:ILE:HB	1:A:21:PHE:HB2	19	0.27
(1,4333)	1:A:64:MET:HB3	1:A:68:ASP:HB2	19	0.27
(1,4333)	1:A:68:ASP:HB2	1:A:67:LEU:HB2	19	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4150)	1:B:17:LEU:HG	1:B:13:CYS:HB2	14	0.27
(1,4150)	1:B:13:CYS:HB2	1:A:17:LEU:HG	14	0.27
(1,4149)	1:A:17:LEU:HG	1:A:13:CYS:HB2	14	0.27
(1,4149)	1:A:13:CYS:HB2	1:B:17:LEU:HG	14	0.27
(1,4066)	1:B:44:ASN:HB3	1:B:40:LEU:HD12	2	0.27
(1,4066)	1:B:44:ASN:HB3	1:B:40:LEU:HD11	2	0.27
(1,4066)	1:B:44:ASN:HB3	1:B:40:LEU:HD13	2	0.27
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD22	2	0.27
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD21	2	0.27
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD23	2	0.27
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD12	2	0.27
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD11	2	0.27
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD13	2	0.27
(1,4065)	1:A:44:ASN:HB3	1:A:40:LEU:HD12	2	0.27
(1,4065)	1:A:44:ASN:HB3	1:A:40:LEU:HD11	2	0.27
(1,4065)	1:A:44:ASN:HB3	1:A:40:LEU:HD13	2	0.27
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD22	2	0.27
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD21	2	0.27
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD23	2	0.27
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD12	2	0.27
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD11	2	0.27
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD13	2	0.27
(1,4057)	1:A:18:ILE:HG22	1:B:91:CYS:HB2	7	0.27
(1,4057)	1:A:18:ILE:HG22	1:B:91:CYS:HB3	7	0.27
(1,4057)	1:A:18:ILE:HG21	1:B:91:CYS:HB2	7	0.27
(1,4057)	1:A:18:ILE:HG21	1:B:91:CYS:HB3	7	0.27
(1,4057)	1:A:18:ILE:HG23	1:B:91:CYS:HB2	7	0.27
(1,4057)	1:A:18:ILE:HG23	1:B:91:CYS:HB3	7	0.27
(1,4057)	1:A:21:PHE:HB2	1:A:18:ILE:HG22	7	0.27
(1,4057)	1:A:21:PHE:HB2	1:A:18:ILE:HG21	7	0.27
(1,4057)	1:A:21:PHE:HB2	1:A:18:ILE:HG23	7	0.27
(1,4057)	1:A:18:ILE:HG22	1:B:91:CYS:HB2	12	0.27
(1,4057)	1:A:18:ILE:HG22	1:B:91:CYS:HB3	12	0.27
(1,4057)	1:A:18:ILE:HG21	1:B:91:CYS:HB2	12	0.27
(1,4057)	1:A:18:ILE:HG21	1:B:91:CYS:HB3	12	0.27
(1,4057)	1:A:18:ILE:HG23	1:B:91:CYS:HB2	12	0.27
(1,4057)	1:A:18:ILE:HG23	1:B:91:CYS:HB3	12	0.27
(1,4057)	1:A:21:PHE:HB2	1:A:18:ILE:HG22	12	0.27
(1,4057)	1:A:21:PHE:HB2	1:A:18:ILE:HG21	12	0.27
(1,4057)	1:A:21:PHE:HB2	1:A:18:ILE:HG23	12	0.27
(1,4052)	1:B:58:GLY:HA3	1:B:57:PRO:HB3	4	0.27
(1,4052)	1:B:58:GLY:HA3	1:B:57:PRO:HG2	4	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4052)	1:B:58:GLY:HA3	1:B:57:PRO:HG3	4	0.27
(1,4024)	1:B:83:LEU:HB3	1:B:66:LYS:HE2	14	0.27
(1,4024)	1:B:83:LEU:HB3	1:B:66:LYS:HE3	14	0.27
(1,4024)	1:B:83:LEU:HB3	1:B:82:ASN:HB2	14	0.27
(1,4023)	1:A:83:LEU:HB3	1:A:66:LYS:HE2	14	0.27
(1,4023)	1:A:83:LEU:HB3	1:A:66:LYS:HE3	14	0.27
(1,4023)	1:A:83:LEU:HB3	1:A:82:ASN:HB2	14	0.27
(1,3938)	1:B:39:PHE:HB2	1:B:36:LYS:HG2	19	0.27
(1,3938)	1:B:39:PHE:HB2	1:B:36:LYS:HG3	19	0.27
(1,3938)	1:B:65:LYS:HG2	1:B:64:MET:HA	19	0.27
(1,3938)	1:B:65:LYS:HG3	1:B:64:MET:HA	19	0.27
(1,3937)	1:A:39:PHE:HB2	1:A:36:LYS:HG2	19	0.27
(1,3937)	1:A:39:PHE:HB2	1:A:36:LYS:HG3	19	0.27
(1,3937)	1:A:65:LYS:HG2	1:A:64:MET:HA	19	0.27
(1,3937)	1:A:65:LYS:HG3	1:A:64:MET:HA	19	0.27
(1,3936)	1:B:82:ASN:HB3	1:B:66:LYS:HD2	8	0.27
(1,3936)	1:B:82:ASN:HB3	1:B:66:LYS:HD3	8	0.27
(1,3936)	1:B:82:ASN:HB3	1:B:67:LEU:HB2	8	0.27
(1,3936)	1:B:82:ASN:HB3	1:B:83:LEU:HB3	8	0.27
(1,3935)	1:A:82:ASN:HB3	1:A:66:LYS:HD2	8	0.27
(1,3935)	1:A:82:ASN:HB3	1:A:66:LYS:HD3	8	0.27
(1,3935)	1:A:82:ASN:HB3	1:A:67:LEU:HB2	8	0.27
(1,3935)	1:A:82:ASN:HB3	1:A:83:LEU:HB3	8	0.27
(1,3802)	1:B:40:LEU:HA	1:B:36:LYS:HE2	3	0.27
(1,3802)	1:B:40:LEU:HA	1:B:36:LYS:HE3	3	0.27
(1,3802)	1:B:21:PHE:HB2	1:B:22:GLN:HA	3	0.27
(1,3802)	1:B:40:LEU:HA	1:B:36:LYS:HE2	4	0.27
(1,3802)	1:B:40:LEU:HA	1:B:36:LYS:HE3	4	0.27
(1,3802)	1:B:21:PHE:HB2	1:B:22:GLN:HA	4	0.27
(1,3801)	1:A:40:LEU:HA	1:A:36:LYS:HE2	3	0.27
(1,3801)	1:A:40:LEU:HA	1:A:36:LYS:HE3	3	0.27
(1,3801)	1:A:21:PHE:HB2	1:A:22:GLN:HA	3	0.27
(1,3801)	1:A:40:LEU:HA	1:A:36:LYS:HE2	4	0.27
(1,3801)	1:A:40:LEU:HA	1:A:36:LYS:HE3	4	0.27
(1,3801)	1:A:21:PHE:HB2	1:A:22:GLN:HA	4	0.27
(1,3778)	1:B:57:PRO:HA	1:B:61:ASP:HB3	10	0.27
(1,3778)	1:B:57:PRO:HA	1:B:63:MET:HG3	10	0.27
(1,3777)	1:A:57:PRO:HA	1:A:61:ASP:HB3	10	0.27
(1,3777)	1:A:57:PRO:HA	1:A:63:MET:HG3	10	0.27
(1,3777)	1:A:57:PRO:HA	1:A:61:ASP:HB3	17	0.27
(1,3777)	1:A:57:PRO:HA	1:A:63:MET:HG3	17	0.27
(1,3736)	1:B:37:THR:HB	1:B:35:SER:HA	14	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3736)	1:B:51:THR:HB	1:B:53:ASN:HA	14	0.27
(1,3736)	1:B:37:THR:HB	1:B:35:SER:HA	17	0.27
(1,3736)	1:B:51:THR:HB	1:B:53:ASN:HA	17	0.27
(1,3735)	1:A:37:THR:HB	1:A:35:SER:HA	14	0.27
(1,3735)	1:A:51:THR:HB	1:A:53:ASN:HA	14	0.27
(1,3735)	1:A:37:THR:HB	1:A:35:SER:HA	17	0.27
(1,3735)	1:A:51:THR:HB	1:A:53:ASN:HA	17	0.27
(1,3680)	1:B:33:THR:HB	1:B:34:LEU:HG	1	0.27
(1,3680)	1:B:33:THR:HB	1:B:75:LEU:HB3	1	0.27
(1,3679)	1:A:33:THR:HB	1:A:34:LEU:HG	1	0.27
(1,3679)	1:A:33:THR:HB	1:A:75:LEU:HB3	1	0.27
(1,3670)	1:B:69:THR:HA	1:B:70:ASN:HB2	1	0.27
(1,3670)	1:B:70:ASN:HB2	1:B:71:SER:HA	1	0.27
(1,3670)	1:B:69:THR:HA	1:B:70:ASN:HB2	13	0.27
(1,3670)	1:B:70:ASN:HB2	1:B:71:SER:HA	13	0.27
(1,3669)	1:A:69:THR:HA	1:A:70:ASN:HB2	1	0.27
(1,3669)	1:A:70:ASN:HB2	1:A:71:SER:HA	1	0.27
(1,3669)	1:A:69:THR:HA	1:A:70:ASN:HB2	6	0.27
(1,3669)	1:A:70:ASN:HB2	1:A:71:SER:HA	6	0.27
(1,3669)	1:A:69:THR:HA	1:A:70:ASN:HB2	13	0.27
(1,3669)	1:A:70:ASN:HB2	1:A:71:SER:HA	13	0.27
(1,3448)	1:B:35:SER:HA	1:B:28:ASP:HB3	19	0.27
(1,3448)	1:B:35:SER:HA	1:B:76:ASP:HB3	19	0.27
(1,3447)	1:A:35:SER:HA	1:A:28:ASP:HB3	19	0.27
(1,3447)	1:A:35:SER:HA	1:A:76:ASP:HB3	19	0.27
(1,3424)	1:B:60:LEU:HB2	1:B:37:THR:HA	9	0.27
(1,3424)	1:B:60:LEU:HB2	1:B:52:LYS:HA	9	0.27
(1,3424)	1:B:60:LEU:HB2	1:B:62:ARG:HA	9	0.27
(1,3424)	1:B:60:LEU:HB2	1:B:63:MET:HA	9	0.27
(1,3423)	1:A:60:LEU:HB2	1:A:37:THR:HA	9	0.27
(1,3423)	1:A:60:LEU:HB2	1:A:52:LYS:HA	9	0.27
(1,3423)	1:A:60:LEU:HB2	1:A:62:ARG:HA	9	0.27
(1,3423)	1:A:60:LEU:HB2	1:A:63:MET:HA	9	0.27
(1,3056)	1:B:94:SER:H	1:B:93:ASP:HB2	1	0.27
(1,3056)	1:B:94:SER:H	1:B:93:ASP:HB2	18	0.27
(1,3055)	1:A:94:SER:H	1:A:93:ASP:HB2	1	0.27
(1,3055)	1:A:94:SER:H	1:A:93:ASP:HB2	9	0.27
(1,3055)	1:A:94:SER:H	1:A:93:ASP:HB2	18	0.27
(1,285)	1:A:75:LEU:HB3	1:A:39:PHE:HB3	20	0.27
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD22	7	0.27
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD21	7	0.27
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD23	7	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2592)	1:B:26:GLY:H	1:B:24:TYR:HB3	9	0.27
(1,2592)	1:B:26:GLY:H	1:B:24:TYR:HB3	18	0.27
(1,2591)	1:A:26:GLY:H	1:A:24:TYR:HB3	9	0.27
(1,2591)	1:A:26:GLY:H	1:A:24:TYR:HB3	18	0.27
(1,188)	1:B:42:PHE:HA	1:B:34:LEU:HD22	19	0.27
(1,188)	1:B:42:PHE:HA	1:B:34:LEU:HD21	19	0.27
(1,188)	1:B:42:PHE:HA	1:B:34:LEU:HD23	19	0.27
(1,1870)	1:B:20:VAL:HG12	1:B:21:PHE:H	1	0.27
(1,1870)	1:B:20:VAL:HG11	1:B:21:PHE:H	1	0.27
(1,1870)	1:B:20:VAL:HG13	1:B:21:PHE:H	1	0.27
(1,187)	1:A:42:PHE:HA	1:A:34:LEU:HD22	19	0.27
(1,187)	1:A:42:PHE:HA	1:A:34:LEU:HD21	19	0.27
(1,187)	1:A:42:PHE:HA	1:A:34:LEU:HD23	19	0.27
(1,1869)	1:A:20:VAL:HG12	1:A:21:PHE:H	1	0.27
(1,1869)	1:A:20:VAL:HG11	1:A:21:PHE:H	1	0.27
(1,1869)	1:A:20:VAL:HG13	1:A:21:PHE:H	1	0.27
(1,1822)	1:B:11:GLU:HG3	1:B:11:GLU:HA	13	0.27
(2,7)	1:A:89:MET:HG3	1:B:77:PHE:HB3	4	0.26
(2,122)	1:B:76:ASP:HB3	1:B:68:ASP:HA	13	0.26
(2,121)	1:A:76:ASP:HB3	1:A:68:ASP:HA	13	0.26
(1,985)	1:A:61:ASP:H	1:A:58:GLY:HA3	18	0.26
(1,610)	1:B:63:MET:H	1:B:62:ARG:HG2	2	0.26
(1,610)	1:B:63:MET:H	1:B:62:ARG:HG2	7	0.26
(1,609)	1:A:63:MET:H	1:A:62:ARG:HG2	15	0.26
(1,5352)	1:B:41:SER:H	1:B:39:PHE:HB3	11	0.26
(1,5352)	1:B:41:SER:H	1:B:42:PHE:HB2	11	0.26
(1,5351)	1:A:41:SER:H	1:A:39:PHE:HB3	11	0.26
(1,5351)	1:A:41:SER:H	1:A:42:PHE:HB2	11	0.26
(1,4782)	1:B:8:THR:HB	1:B:7:PRO:HG2	2	0.26
(1,4782)	1:B:8:THR:HB	1:B:7:PRO:HG3	2	0.26
(1,4782)	1:B:74:GLN:HA	1:B:40:LEU:HG	2	0.26
(1,4781)	1:A:8:THR:HB	1:A:7:PRO:HG2	2	0.26
(1,4781)	1:A:8:THR:HB	1:A:7:PRO:HG3	2	0.26
(1,4781)	1:A:74:GLN:HA	1:A:40:LEU:HG	2	0.26
(1,4149)	1:A:17:LEU:HG	1:A:13:CYS:HB2	15	0.26
(1,4149)	1:A:13:CYS:HB2	1:B:17:LEU:HG	15	0.26
(1,4058)	1:B:18:ILE:HG22	1:A:91:CYS:HB2	3	0.26
(1,4058)	1:B:18:ILE:HG22	1:A:91:CYS:HB3	3	0.26
(1,4058)	1:B:18:ILE:HG21	1:A:91:CYS:HB2	3	0.26
(1,4058)	1:B:18:ILE:HG21	1:A:91:CYS:HB3	3	0.26
(1,4058)	1:B:18:ILE:HG23	1:A:91:CYS:HB2	3	0.26
(1,4058)	1:B:18:ILE:HG23	1:A:91:CYS:HB3	3	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4058)	1:B:21:PHE:HB2	1:B:18:ILE:HG22	3	0.26
(1,4058)	1:B:21:PHE:HB2	1:B:18:ILE:HG21	3	0.26
(1,4058)	1:B:21:PHE:HB2	1:B:18:ILE:HG23	3	0.26
(1,4052)	1:B:58:GLY:HA3	1:B:57:PRO:HB3	8	0.26
(1,4052)	1:B:58:GLY:HA3	1:B:57:PRO:HG2	8	0.26
(1,4052)	1:B:58:GLY:HA3	1:B:57:PRO:HG3	8	0.26
(1,4051)	1:A:58:GLY:HA3	1:A:57:PRO:HB3	8	0.26
(1,4051)	1:A:58:GLY:HA3	1:A:57:PRO:HG2	8	0.26
(1,4051)	1:A:58:GLY:HA3	1:A:57:PRO:HG3	8	0.26
(1,4051)	1:A:58:GLY:HA3	1:A:57:PRO:HB3	20	0.26
(1,4051)	1:A:58:GLY:HA3	1:A:57:PRO:HG2	20	0.26
(1,4051)	1:A:58:GLY:HA3	1:A:57:PRO:HG3	20	0.26
(1,4024)	1:B:83:LEU:HB3	1:B:66:LYS:HE2	13	0.26
(1,4024)	1:B:83:LEU:HB3	1:B:66:LYS:HE3	13	0.26
(1,4024)	1:B:83:LEU:HB3	1:B:82:ASN:HB2	13	0.26
(1,4023)	1:A:83:LEU:HB3	1:A:66:LYS:HE2	13	0.26
(1,4023)	1:A:83:LEU:HB3	1:A:66:LYS:HE3	13	0.26
(1,4023)	1:A:83:LEU:HB3	1:A:82:ASN:HB2	13	0.26
(1,4011)	1:A:81:LEU:HD22	1:B:89:MET:HG3	17	0.26
(1,4011)	1:A:81:LEU:HD21	1:B:89:MET:HG3	17	0.26
(1,4011)	1:A:81:LEU:HD23	1:B:89:MET:HG3	17	0.26
(1,4011)	1:A:81:LEU:HD22	1:A:21:PHE:HB3	17	0.26
(1,4011)	1:A:81:LEU:HD21	1:A:21:PHE:HB3	17	0.26
(1,4011)	1:A:81:LEU:HD23	1:A:21:PHE:HB3	17	0.26
(1,3938)	1:B:39:PHE:HB2	1:B:36:LYS:HG2	18	0.26
(1,3938)	1:B:39:PHE:HB2	1:B:36:LYS:HG3	18	0.26
(1,3938)	1:B:65:LYS:HG2	1:B:64:MET:HA	18	0.26
(1,3938)	1:B:65:LYS:HG3	1:B:64:MET:HA	18	0.26
(1,3937)	1:A:39:PHE:HB2	1:A:36:LYS:HG2	18	0.26
(1,3937)	1:A:39:PHE:HB2	1:A:36:LYS:HG3	18	0.26
(1,3937)	1:A:65:LYS:HG2	1:A:64:MET:HA	18	0.26
(1,3937)	1:A:65:LYS:HG3	1:A:64:MET:HA	18	0.26
(1,3937)	1:A:39:PHE:HB2	1:A:36:LYS:HG2	20	0.26
(1,3937)	1:A:39:PHE:HB2	1:A:36:LYS:HG3	20	0.26
(1,3937)	1:A:65:LYS:HG2	1:A:64:MET:HA	20	0.26
(1,3937)	1:A:65:LYS:HG3	1:A:64:MET:HA	20	0.26
(1,3926)	1:B:15:GLU:HB2	1:B:13:CYS:HB3	15	0.26
(1,3926)	1:B:15:GLU:HB3	1:B:13:CYS:HB3	15	0.26
(1,3926)	1:B:15:GLU:HB2	1:A:91:CYS:HB2	15	0.26
(1,3926)	1:B:15:GLU:HB2	1:A:91:CYS:HB3	15	0.26
(1,3926)	1:B:15:GLU:HB3	1:A:91:CYS:HB2	15	0.26
(1,3926)	1:B:15:GLU:HB3	1:A:91:CYS:HB3	15	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3926)	1:B:9:GLU:HB2	1:B:13:CYS:HB3	15	0.26
(1,3926)	1:B:9:GLU:HB3	1:B:13:CYS:HB3	15	0.26
(1,3898)	1:B:10:THR:HA	1:B:11:GLU:HB2	7	0.26
(1,3898)	1:B:10:THR:HA	1:B:11:GLU:HB3	7	0.26
(1,3898)	1:B:10:THR:HA	1:B:12:ARG:HB2	7	0.26
(1,3898)	1:B:10:THR:HA	1:B:12:ARG:HB3	7	0.26
(1,3898)	1:B:10:THR:HA	1:B:14:ILE:HB	7	0.26
(1,3897)	1:A:10:THR:HA	1:A:11:GLU:HB2	7	0.26
(1,3897)	1:A:10:THR:HA	1:A:11:GLU:HB3	7	0.26
(1,3897)	1:A:10:THR:HA	1:A:12:ARG:HB2	7	0.26
(1,3897)	1:A:10:THR:HA	1:A:12:ARG:HB3	7	0.26
(1,3897)	1:A:10:THR:HA	1:A:14:ILE:HB	7	0.26
(1,3850)	1:B:34:LEU:HB2	1:B:39:PHE:HB2	10	0.26
(1,3850)	1:B:39:PHE:HB2	1:B:36:LYS:HB2	10	0.26
(1,3850)	1:B:39:PHE:HB2	1:B:36:LYS:HB3	10	0.26
(1,3850)	1:B:39:PHE:HB2	1:B:40:LEU:HG	10	0.26
(1,3850)	1:B:39:PHE:HB2	1:B:64:MET:HB2	10	0.26
(1,3849)	1:A:34:LEU:HB2	1:A:39:PHE:HB2	10	0.26
(1,3849)	1:A:39:PHE:HB2	1:A:36:LYS:HB2	10	0.26
(1,3849)	1:A:39:PHE:HB2	1:A:36:LYS:HB3	10	0.26
(1,3849)	1:A:39:PHE:HB2	1:A:40:LEU:HG	10	0.26
(1,3849)	1:A:39:PHE:HB2	1:A:64:MET:HB2	10	0.26
(1,3838)	1:B:33:THR:HA	1:B:34:LEU:HG	13	0.26
(1,3838)	1:B:75:LEU:HB3	1:B:33:THR:HA	13	0.26
(1,3837)	1:A:33:THR:HA	1:A:34:LEU:HG	13	0.26
(1,3837)	1:A:75:LEU:HB3	1:A:33:THR:HA	13	0.26
(1,3802)	1:B:40:LEU:HA	1:B:36:LYS:HE2	14	0.26
(1,3802)	1:B:40:LEU:HA	1:B:36:LYS:HE3	14	0.26
(1,3802)	1:B:21:PHE:HB2	1:B:22:GLN:HA	14	0.26
(1,3802)	1:B:40:LEU:HA	1:B:36:LYS:HE2	17	0.26
(1,3802)	1:B:40:LEU:HA	1:B:36:LYS:HE3	17	0.26
(1,3802)	1:B:21:PHE:HB2	1:B:22:GLN:HA	17	0.26
(1,3801)	1:A:40:LEU:HA	1:A:36:LYS:HE2	14	0.26
(1,3801)	1:A:40:LEU:HA	1:A:36:LYS:HE3	14	0.26
(1,3801)	1:A:21:PHE:HB2	1:A:22:GLN:HA	14	0.26
(1,3801)	1:A:40:LEU:HA	1:A:36:LYS:HE2	17	0.26
(1,3801)	1:A:40:LEU:HA	1:A:36:LYS:HE3	17	0.26
(1,3801)	1:A:21:PHE:HB2	1:A:22:GLN:HA	17	0.26
(1,3778)	1:B:57:PRO:HA	1:B:61:ASP:HB3	17	0.26
(1,3778)	1:B:57:PRO:HA	1:B:63:MET:HG3	17	0.26
(1,3670)	1:B:69:THR:HA	1:B:70:ASN:HB2	6	0.26
(1,3670)	1:B:70:ASN:HB2	1:B:71:SER:HA	6	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3669)	1:A:69:THR:HA	1:A:70:ASN:HB2	14	0.26
(1,3669)	1:A:70:ASN:HB2	1:A:71:SER:HA	14	0.26
(1,3637)	1:A:34:LEU:HB3	1:A:21:PHE:HB3	13	0.26
(1,3637)	1:A:34:LEU:HB3	1:A:24:TYR:HB3	13	0.26
(1,3637)	1:A:34:LEU:HB3	1:A:42:PHE:HB3	13	0.26
(1,356)	1:B:60:LEU:HB2	1:B:61:ASP:HB3	13	0.26
(1,355)	1:A:60:LEU:HB2	1:A:61:ASP:HB3	13	0.26
(1,3500)	1:B:29:GLY:HA2	1:B:28:ASP:HB2	11	0.26
(1,3500)	1:B:73:GLY:HA2	1:B:72:ASP:HB2	11	0.26
(1,3499)	1:A:29:GLY:HA2	1:A:28:ASP:HB2	11	0.26
(1,3499)	1:A:73:GLY:HA2	1:A:72:ASP:HB2	11	0.26
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD22	16	0.26
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD21	16	0.26
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD23	16	0.26
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD22	16	0.26
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD21	16	0.26
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD23	16	0.26
(1,3403)	1:A:9:GLU:HB2	1:B:16:SER:HB3	4	0.26
(1,3403)	1:A:9:GLU:HB3	1:B:16:SER:HB3	4	0.26
(1,3403)	1:A:9:GLU:HB2	1:B:20:VAL:HA	4	0.26
(1,3403)	1:A:9:GLU:HB3	1:B:20:VAL:HA	4	0.26
(1,286)	1:B:75:LEU:HB3	1:B:39:PHE:HB3	20	0.26
(1,2768)	1:B:80:PHE:H	1:B:75:LEU:HB2	7	0.26
(1,2767)	1:A:80:PHE:H	1:A:75:LEU:HB2	7	0.26
(1,2635)	1:A:43:MET:H	1:A:34:LEU:HD22	7	0.26
(1,2635)	1:A:43:MET:H	1:A:34:LEU:HD21	7	0.26
(1,2635)	1:A:43:MET:H	1:A:34:LEU:HD23	7	0.26
(1,2592)	1:B:26:GLY:H	1:B:24:TYR:HB3	6	0.26
(1,2591)	1:A:26:GLY:H	1:A:24:TYR:HB3	6	0.26
(1,1870)	1:B:20:VAL:HG12	1:B:21:PHE:H	13	0.26
(1,1870)	1:B:20:VAL:HG11	1:B:21:PHE:H	13	0.26
(1,1870)	1:B:20:VAL:HG13	1:B:21:PHE:H	13	0.26
(1,1869)	1:A:20:VAL:HG12	1:A:21:PHE:H	13	0.26
(1,1869)	1:A:20:VAL:HG11	1:A:21:PHE:H	13	0.26
(1,1869)	1:A:20:VAL:HG13	1:A:21:PHE:H	13	0.26
(1,1608)	1:B:47:LEU:HB2	1:B:50:PHE:HB2	19	0.26
(1,1608)	1:B:47:LEU:HB2	1:B:50:PHE:HB3	19	0.26
(1,1607)	1:A:47:LEU:HB2	1:A:50:PHE:HB2	19	0.26
(1,1607)	1:A:47:LEU:HB2	1:A:50:PHE:HB3	19	0.26
(2,92)	1:B:44:ASN:HB3	1:B:47:LEU:H	9	0.25
(2,124)	1:B:44:ASN:HB2	1:B:48:ALA:H	15	0.25
(2,123)	1:A:44:ASN:HB2	1:A:48:ALA:H	15	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,986)	1:B:61:ASP:H	1:B:58:GLY:HA3	18	0.25
(1,609)	1:A:63:MET:H	1:A:62:ARG:HG2	7	0.25
(1,5462)	1:B:45:THR:H	1:B:46:GLU:HB3	3	0.25
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG21	3	0.25
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG22	3	0.25
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG23	3	0.25
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD12	3	0.25
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD11	3	0.25
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD13	3	0.25
(1,5461)	1:A:45:THR:H	1:A:46:GLU:HB3	3	0.25
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG21	3	0.25
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG22	3	0.25
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG23	3	0.25
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD12	3	0.25
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD11	3	0.25
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD13	3	0.25
(1,5292)	1:B:94:SER:H	1:B:96:LEU:HB3	4	0.25
(1,5292)	1:B:94:SER:H	1:B:96:LEU:HG	4	0.25
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB2	4	0.25
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB1	4	0.25
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB3	4	0.25
(1,5291)	1:A:94:SER:H	1:A:96:LEU:HB3	4	0.25
(1,5291)	1:A:94:SER:H	1:A:96:LEU:HG	4	0.25
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB2	4	0.25
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB1	4	0.25
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB3	4	0.25
(1,4974)	1:B:83:LEU:HD22	1:B:80:PHE:HA	7	0.25
(1,4974)	1:B:83:LEU:HD21	1:B:80:PHE:HA	7	0.25
(1,4974)	1:B:83:LEU:HD23	1:B:80:PHE:HA	7	0.25
(1,4974)	1:B:83:LEU:HA	1:B:83:LEU:HD22	7	0.25
(1,4974)	1:B:83:LEU:HA	1:B:83:LEU:HD21	7	0.25
(1,4974)	1:B:83:LEU:HA	1:B:83:LEU:HD23	7	0.25
(1,4974)	1:B:37:THR:HA	1:B:40:LEU:HD22	7	0.25
(1,4974)	1:B:37:THR:HA	1:B:40:LEU:HD21	7	0.25
(1,4974)	1:B:37:THR:HA	1:B:40:LEU:HD23	7	0.25
(1,4973)	1:A:83:LEU:HD22	1:A:80:PHE:HA	7	0.25
(1,4973)	1:A:83:LEU:HD21	1:A:80:PHE:HA	7	0.25
(1,4973)	1:A:83:LEU:HD23	1:A:80:PHE:HA	7	0.25
(1,4973)	1:A:83:LEU:HA	1:A:83:LEU:HD22	7	0.25
(1,4973)	1:A:83:LEU:HA	1:A:83:LEU:HD21	7	0.25
(1,4973)	1:A:83:LEU:HA	1:A:83:LEU:HD23	7	0.25
(1,4973)	1:A:37:THR:HA	1:A:40:LEU:HD22	7	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4973)	1:A:37:THR:HA	1:A:40:LEU:HD21	7	0.25
(1,4973)	1:A:37:THR:HA	1:A:40:LEU:HD23	7	0.25
(1,4840)	1:B:68:ASP:HB2	1:B:39:PHE:HB3	12	0.25
(1,4840)	1:B:68:ASP:HB2	1:B:72:ASP:HB2	12	0.25
(1,4840)	1:B:80:PHE:HB3	1:B:39:PHE:HB3	12	0.25
(1,4839)	1:A:68:ASP:HB2	1:A:39:PHE:HB3	12	0.25
(1,4839)	1:A:68:ASP:HB2	1:A:72:ASP:HB2	12	0.25
(1,4839)	1:A:80:PHE:HB3	1:A:39:PHE:HB3	12	0.25
(1,4832)	1:B:12:ARG:HD2	1:B:9:GLU:HA	20	0.25
(1,4832)	1:B:12:ARG:HD3	1:B:9:GLU:HA	20	0.25
(1,4832)	1:B:12:ARG:HD2	1:B:12:ARG:HA	20	0.25
(1,4832)	1:B:12:ARG:HD3	1:B:12:ARG:HA	20	0.25
(1,4831)	1:A:12:ARG:HD2	1:A:9:GLU:HA	20	0.25
(1,4831)	1:A:12:ARG:HD3	1:A:9:GLU:HA	20	0.25
(1,4831)	1:A:12:ARG:HD2	1:A:12:ARG:HA	20	0.25
(1,4831)	1:A:12:ARG:HD3	1:A:12:ARG:HA	20	0.25
(1,4826)	1:B:19:ALA:HB2	1:B:15:GLU:HB2	8	0.25
(1,4826)	1:B:19:ALA:HB2	1:B:15:GLU:HB3	8	0.25
(1,4826)	1:B:19:ALA:HB1	1:B:15:GLU:HB2	8	0.25
(1,4826)	1:B:19:ALA:HB1	1:B:15:GLU:HB3	8	0.25
(1,4826)	1:B:19:ALA:HB3	1:B:15:GLU:HB2	8	0.25
(1,4826)	1:B:19:ALA:HB3	1:B:15:GLU:HB3	8	0.25
(1,4826)	1:B:19:ALA:HB2	1:A:9:GLU:HB2	8	0.25
(1,4826)	1:B:19:ALA:HB2	1:A:9:GLU:HB3	8	0.25
(1,4826)	1:B:19:ALA:HB1	1:A:9:GLU:HB2	8	0.25
(1,4826)	1:B:19:ALA:HB1	1:A:9:GLU:HB3	8	0.25
(1,4826)	1:B:19:ALA:HB3	1:A:9:GLU:HB2	8	0.25
(1,4826)	1:B:19:ALA:HB3	1:A:9:GLU:HB3	8	0.25
(1,4826)	1:B:88:ALA:HB2	1:B:89:MET:HB2	8	0.25
(1,4826)	1:B:88:ALA:HB2	1:B:89:MET:HB3	8	0.25
(1,4826)	1:B:88:ALA:HB1	1:B:89:MET:HB2	8	0.25
(1,4826)	1:B:88:ALA:HB1	1:B:89:MET:HB3	8	0.25
(1,4826)	1:B:88:ALA:HB3	1:B:89:MET:HB2	8	0.25
(1,4826)	1:B:88:ALA:HB3	1:B:89:MET:HB3	8	0.25
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB2	8	0.25
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB1	8	0.25
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB3	8	0.25
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB2	8	0.25
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB1	8	0.25
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB3	8	0.25
(1,4826)	1:B:19:ALA:HB2	1:B:15:GLU:HB2	14	0.25
(1,4826)	1:B:19:ALA:HB2	1:B:15:GLU:HB3	14	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4826)	1:B:19:ALA:HB1	1:B:15:GLU:HB2	14	0.25
(1,4826)	1:B:19:ALA:HB1	1:B:15:GLU:HB3	14	0.25
(1,4826)	1:B:19:ALA:HB3	1:B:15:GLU:HB2	14	0.25
(1,4826)	1:B:19:ALA:HB3	1:B:15:GLU:HB3	14	0.25
(1,4826)	1:B:19:ALA:HB2	1:A:9:GLU:HB2	14	0.25
(1,4826)	1:B:19:ALA:HB2	1:A:9:GLU:HB3	14	0.25
(1,4826)	1:B:19:ALA:HB1	1:A:9:GLU:HB2	14	0.25
(1,4826)	1:B:19:ALA:HB1	1:A:9:GLU:HB3	14	0.25
(1,4826)	1:B:19:ALA:HB3	1:A:9:GLU:HB2	14	0.25
(1,4826)	1:B:19:ALA:HB3	1:A:9:GLU:HB3	14	0.25
(1,4826)	1:B:88:ALA:HB2	1:B:89:MET:HB2	14	0.25
(1,4826)	1:B:88:ALA:HB2	1:B:89:MET:HB3	14	0.25
(1,4826)	1:B:88:ALA:HB1	1:B:89:MET:HB2	14	0.25
(1,4826)	1:B:88:ALA:HB1	1:B:89:MET:HB3	14	0.25
(1,4826)	1:B:88:ALA:HB3	1:B:89:MET:HB2	14	0.25
(1,4826)	1:B:88:ALA:HB3	1:B:89:MET:HB3	14	0.25
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB2	14	0.25
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB1	14	0.25
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB3	14	0.25
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB2	14	0.25
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB1	14	0.25
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB3	14	0.25
(1,4825)	1:A:19:ALA:HB2	1:A:15:GLU:HB2	8	0.25
(1,4825)	1:A:19:ALA:HB2	1:A:15:GLU:HB3	8	0.25
(1,4825)	1:A:19:ALA:HB1	1:A:15:GLU:HB2	8	0.25
(1,4825)	1:A:19:ALA:HB1	1:A:15:GLU:HB3	8	0.25
(1,4825)	1:A:19:ALA:HB3	1:A:15:GLU:HB2	8	0.25
(1,4825)	1:A:19:ALA:HB3	1:A:15:GLU:HB3	8	0.25
(1,4825)	1:A:19:ALA:HB2	1:B:9:GLU:HB2	8	0.25
(1,4825)	1:A:19:ALA:HB2	1:B:9:GLU:HB3	8	0.25
(1,4825)	1:A:19:ALA:HB1	1:B:9:GLU:HB2	8	0.25
(1,4825)	1:A:19:ALA:HB1	1:B:9:GLU:HB3	8	0.25
(1,4825)	1:A:19:ALA:HB3	1:B:9:GLU:HB2	8	0.25
(1,4825)	1:A:19:ALA:HB3	1:B:9:GLU:HB3	8	0.25
(1,4825)	1:A:88:ALA:HB2	1:A:89:MET:HB2	8	0.25
(1,4825)	1:A:88:ALA:HB2	1:A:89:MET:HB3	8	0.25
(1,4825)	1:A:88:ALA:HB1	1:A:89:MET:HB2	8	0.25
(1,4825)	1:A:88:ALA:HB1	1:A:89:MET:HB3	8	0.25
(1,4825)	1:A:88:ALA:HB3	1:A:89:MET:HB2	8	0.25
(1,4825)	1:A:88:ALA:HB3	1:A:89:MET:HB3	8	0.25
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB2	8	0.25
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB1	8	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB3	8	0.25
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB2	8	0.25
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB1	8	0.25
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB3	8	0.25
(1,4825)	1:A:19:ALA:HB2	1:A:15:GLU:HB2	14	0.25
(1,4825)	1:A:19:ALA:HB2	1:A:15:GLU:HB3	14	0.25
(1,4825)	1:A:19:ALA:HB1	1:A:15:GLU:HB2	14	0.25
(1,4825)	1:A:19:ALA:HB1	1:A:15:GLU:HB3	14	0.25
(1,4825)	1:A:19:ALA:HB3	1:A:15:GLU:HB2	14	0.25
(1,4825)	1:A:19:ALA:HB3	1:A:15:GLU:HB3	14	0.25
(1,4825)	1:A:19:ALA:HB2	1:B:9:GLU:HB2	14	0.25
(1,4825)	1:A:19:ALA:HB2	1:B:9:GLU:HB3	14	0.25
(1,4825)	1:A:19:ALA:HB1	1:B:9:GLU:HB2	14	0.25
(1,4825)	1:A:19:ALA:HB1	1:B:9:GLU:HB3	14	0.25
(1,4825)	1:A:19:ALA:HB3	1:B:9:GLU:HB2	14	0.25
(1,4825)	1:A:19:ALA:HB3	1:B:9:GLU:HB3	14	0.25
(1,4825)	1:A:88:ALA:HB2	1:A:89:MET:HB2	14	0.25
(1,4825)	1:A:88:ALA:HB2	1:A:89:MET:HB3	14	0.25
(1,4825)	1:A:88:ALA:HB1	1:A:89:MET:HB2	14	0.25
(1,4825)	1:A:88:ALA:HB1	1:A:89:MET:HB3	14	0.25
(1,4825)	1:A:88:ALA:HB3	1:A:89:MET:HB2	14	0.25
(1,4825)	1:A:88:ALA:HB3	1:A:89:MET:HB3	14	0.25
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB2	14	0.25
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB1	14	0.25
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB3	14	0.25
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB2	14	0.25
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB1	14	0.25
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB3	14	0.25
(1,4782)	1:B:8:THR:HB	1:B:7:PRO:HG2	7	0.25
(1,4782)	1:B:8:THR:HB	1:B:7:PRO:HG3	7	0.25
(1,4782)	1:B:74:GLN:HA	1:B:40:LEU:HG	7	0.25
(1,4781)	1:A:8:THR:HB	1:A:7:PRO:HG2	8	0.25
(1,4781)	1:A:8:THR:HB	1:A:7:PRO:HG3	8	0.25
(1,4781)	1:A:74:GLN:HA	1:A:40:LEU:HG	8	0.25
(1,4654)	1:B:94:SER:HB2	1:B:99:VAL:HB	17	0.25
(1,4654)	1:B:94:SER:HB3	1:B:99:VAL:HB	17	0.25
(1,4654)	1:B:94:SER:HB2	1:B:100:PRO:HB3	17	0.25
(1,4654)	1:B:94:SER:HB3	1:B:100:PRO:HB3	17	0.25
(1,4654)	1:B:94:SER:HB2	1:B:100:PRO:HG2	17	0.25
(1,4654)	1:B:94:SER:HB3	1:B:100:PRO:HG2	17	0.25
(1,4654)	1:B:94:SER:HB2	1:B:100:PRO:HG3	17	0.25
(1,4654)	1:B:94:SER:HB3	1:B:100:PRO:HG3	17	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4654)	1:B:94:SER:HB2	1:A:11:GLU:HB2	17	0.25
(1,4654)	1:B:94:SER:HB2	1:A:11:GLU:HB3	17	0.25
(1,4654)	1:B:94:SER:HB3	1:A:11:GLU:HB2	17	0.25
(1,4654)	1:B:94:SER:HB3	1:A:11:GLU:HB3	17	0.25
(1,4654)	1:B:94:SER:HB2	1:A:14:ILE:HB	17	0.25
(1,4654)	1:B:94:SER:HB3	1:A:14:ILE:HB	17	0.25
(1,4654)	1:B:94:SER:HB2	1:A:22:GLN:HB2	17	0.25
(1,4654)	1:B:94:SER:HB2	1:A:22:GLN:HB3	17	0.25
(1,4654)	1:B:94:SER:HB3	1:A:22:GLN:HB2	17	0.25
(1,4654)	1:B:94:SER:HB3	1:A:22:GLN:HB3	17	0.25
(1,4617)	1:A:68:ASP:HA	1:A:74:GLN:HB3	13	0.25
(1,4617)	1:A:74:GLN:HB3	1:A:72:ASP:HA	13	0.25
(1,4334)	1:B:74:GLN:HB3	1:B:68:ASP:HB2	17	0.25
(1,4334)	1:B:18:ILE:HB	1:B:21:PHE:HB2	17	0.25
(1,4334)	1:B:64:MET:HB3	1:B:68:ASP:HB2	17	0.25
(1,4334)	1:B:68:ASP:HB2	1:B:67:LEU:HB2	17	0.25
(1,4333)	1:A:74:GLN:HB3	1:A:68:ASP:HB2	17	0.25
(1,4333)	1:A:18:ILE:HB	1:A:21:PHE:HB2	17	0.25
(1,4333)	1:A:64:MET:HB3	1:A:68:ASP:HB2	17	0.25
(1,4333)	1:A:68:ASP:HB2	1:A:67:LEU:HB2	17	0.25
(1,4244)	1:B:87:LEU:HB2	1:B:91:CYS:HA	14	0.25
(1,4244)	1:B:91:CYS:HA	1:B:97:LYS:HB2	14	0.25
(1,4244)	1:B:91:CYS:HA	1:B:97:LYS:HB3	14	0.25
(1,4244)	1:B:91:CYS:HA	1:B:97:LYS:HD2	14	0.25
(1,4244)	1:B:91:CYS:HA	1:B:97:LYS:HD3	14	0.25
(1,4244)	1:B:91:CYS:HA	1:A:18:ILE:HB	14	0.25
(1,4243)	1:A:87:LEU:HB2	1:A:91:CYS:HA	14	0.25
(1,4243)	1:A:91:CYS:HA	1:A:97:LYS:HB2	14	0.25
(1,4243)	1:A:91:CYS:HA	1:A:97:LYS:HB3	14	0.25
(1,4243)	1:A:91:CYS:HA	1:A:97:LYS:HD2	14	0.25
(1,4243)	1:A:91:CYS:HA	1:A:97:LYS:HD3	14	0.25
(1,4243)	1:A:91:CYS:HA	1:B:18:ILE:HB	14	0.25
(1,4150)	1:B:17:LEU:HG	1:B:13:CYS:HB2	15	0.25
(1,4150)	1:B:13:CYS:HB2	1:A:17:LEU:HG	15	0.25
(1,4104)	1:B:42:PHE:HA	1:B:20:VAL:HB	7	0.25
(1,4104)	1:B:42:PHE:HA	1:B:38:GLU:HB2	7	0.25
(1,4103)	1:A:42:PHE:HA	1:A:20:VAL:HB	7	0.25
(1,4103)	1:A:42:PHE:HA	1:A:38:GLU:HB2	7	0.25
(1,4066)	1:B:44:ASN:HB3	1:B:40:LEU:HD12	16	0.25
(1,4066)	1:B:44:ASN:HB3	1:B:40:LEU:HD11	16	0.25
(1,4066)	1:B:44:ASN:HB3	1:B:40:LEU:HD13	16	0.25
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD22	16	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD21	16	0.25
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD23	16	0.25
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD12	16	0.25
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD11	16	0.25
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD13	16	0.25
(1,4065)	1:A:44:ASN:HB3	1:A:40:LEU:HD12	16	0.25
(1,4065)	1:A:44:ASN:HB3	1:A:40:LEU:HD11	16	0.25
(1,4065)	1:A:44:ASN:HB3	1:A:40:LEU:HD13	16	0.25
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD22	16	0.25
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD21	16	0.25
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD23	16	0.25
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD12	16	0.25
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD11	16	0.25
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD13	16	0.25
(1,4057)	1:A:18:ILE:HG22	1:B:91:CYS:HB2	3	0.25
(1,4057)	1:A:18:ILE:HG22	1:B:91:CYS:HB3	3	0.25
(1,4057)	1:A:18:ILE:HG21	1:B:91:CYS:HB2	3	0.25
(1,4057)	1:A:18:ILE:HG21	1:B:91:CYS:HB3	3	0.25
(1,4057)	1:A:18:ILE:HG23	1:B:91:CYS:HB2	3	0.25
(1,4057)	1:A:18:ILE:HG23	1:B:91:CYS:HB3	3	0.25
(1,4057)	1:A:21:PHE:HB2	1:A:18:ILE:HG22	3	0.25
(1,4057)	1:A:21:PHE:HB2	1:A:18:ILE:HG21	3	0.25
(1,4057)	1:A:21:PHE:HB2	1:A:18:ILE:HG23	3	0.25
(1,4052)	1:B:58:GLY:HA3	1:B:57:PRO:HB3	20	0.25
(1,4052)	1:B:58:GLY:HA3	1:B:57:PRO:HG2	20	0.25
(1,4052)	1:B:58:GLY:HA3	1:B:57:PRO:HG3	20	0.25
(1,4048)	1:B:52:LYS:HB2	1:B:53:ASN:HB3	13	0.25
(1,4048)	1:B:52:LYS:HB3	1:B:53:ASN:HB3	13	0.25
(1,4048)	1:B:74:GLN:HB2	1:B:76:ASP:HB3	13	0.25
(1,4047)	1:A:52:LYS:HB2	1:A:53:ASN:HB3	13	0.25
(1,4047)	1:A:52:LYS:HB3	1:A:53:ASN:HB3	13	0.25
(1,4047)	1:A:74:GLN:HB2	1:A:76:ASP:HB3	13	0.25
(1,4024)	1:B:83:LEU:HB3	1:B:66:LYS:HE2	16	0.25
(1,4024)	1:B:83:LEU:HB3	1:B:66:LYS:HE3	16	0.25
(1,4024)	1:B:83:LEU:HB3	1:B:82:ASN:HB2	16	0.25
(1,4012)	1:B:81:LEU:HD22	1:A:89:MET:HG3	19	0.25
(1,4012)	1:B:81:LEU:HD21	1:A:89:MET:HG3	19	0.25
(1,4012)	1:B:81:LEU:HD23	1:A:89:MET:HG3	19	0.25
(1,4012)	1:B:81:LEU:HD22	1:B:21:PHE:HB3	19	0.25
(1,4012)	1:B:81:LEU:HD21	1:B:21:PHE:HB3	19	0.25
(1,4012)	1:B:81:LEU:HD23	1:B:21:PHE:HB3	19	0.25
(1,3938)	1:B:39:PHE:HB2	1:B:36:LYS:HG2	5	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3938)	1:B:39:PHE:HB2	1:B:36:LYS:HG3	5	0.25
(1,3938)	1:B:65:LYS:HG2	1:B:64:MET:HA	5	0.25
(1,3938)	1:B:65:LYS:HG3	1:B:64:MET:HA	5	0.25
(1,3938)	1:B:39:PHE:HB2	1:B:36:LYS:HG2	20	0.25
(1,3938)	1:B:39:PHE:HB2	1:B:36:LYS:HG3	20	0.25
(1,3938)	1:B:65:LYS:HG2	1:B:64:MET:HA	20	0.25
(1,3938)	1:B:65:LYS:HG3	1:B:64:MET:HA	20	0.25
(1,3937)	1:A:39:PHE:HB2	1:A:36:LYS:HG2	5	0.25
(1,3937)	1:A:39:PHE:HB2	1:A:36:LYS:HG3	5	0.25
(1,3937)	1:A:65:LYS:HG2	1:A:64:MET:HA	5	0.25
(1,3937)	1:A:65:LYS:HG3	1:A:64:MET:HA	5	0.25
(1,3802)	1:B:40:LEU:HA	1:B:36:LYS:HE2	1	0.25
(1,3802)	1:B:40:LEU:HA	1:B:36:LYS:HE3	1	0.25
(1,3802)	1:B:21:PHE:HB2	1:B:22:GLN:HA	1	0.25
(1,3801)	1:A:40:LEU:HA	1:A:36:LYS:HE2	1	0.25
(1,3801)	1:A:40:LEU:HA	1:A:36:LYS:HE3	1	0.25
(1,3801)	1:A:21:PHE:HB2	1:A:22:GLN:HA	1	0.25
(1,3704)	1:B:39:PHE:HB2	1:B:36:LYS:HG2	1	0.25
(1,3704)	1:B:39:PHE:HB2	1:B:36:LYS:HG3	1	0.25
(1,3704)	1:B:39:PHE:HB2	1:B:60:LEU:HB3	1	0.25
(1,3704)	1:B:39:PHE:HB2	1:B:75:LEU:HB3	1	0.25
(1,3703)	1:A:39:PHE:HB2	1:A:36:LYS:HG2	1	0.25
(1,3703)	1:A:39:PHE:HB2	1:A:36:LYS:HG3	1	0.25
(1,3703)	1:A:39:PHE:HB2	1:A:60:LEU:HB3	1	0.25
(1,3703)	1:A:39:PHE:HB2	1:A:75:LEU:HB3	1	0.25
(1,3670)	1:B:69:THR:HA	1:B:70:ASN:HB2	7	0.25
(1,3670)	1:B:70:ASN:HB2	1:B:71:SER:HA	7	0.25
(1,3670)	1:B:69:THR:HA	1:B:70:ASN:HB2	14	0.25
(1,3670)	1:B:70:ASN:HB2	1:B:71:SER:HA	14	0.25
(1,3669)	1:A:69:THR:HA	1:A:70:ASN:HB2	7	0.25
(1,3669)	1:A:70:ASN:HB2	1:A:71:SER:HA	7	0.25
(1,3638)	1:B:34:LEU:HB3	1:B:21:PHE:HB3	13	0.25
(1,3638)	1:B:34:LEU:HB3	1:B:24:TYR:HB3	13	0.25
(1,3638)	1:B:34:LEU:HB3	1:B:42:PHE:HB3	13	0.25
(1,356)	1:B:60:LEU:HB2	1:B:61:ASP:HB3	4	0.25
(1,356)	1:B:60:LEU:HB2	1:B:61:ASP:HB3	10	0.25
(1,355)	1:A:60:LEU:HB2	1:A:61:ASP:HB3	7	0.25
(1,355)	1:A:60:LEU:HB2	1:A:61:ASP:HB3	10	0.25
(1,3514)	1:B:40:LEU:HB2	1:B:39:PHE:HB3	20	0.25
(1,3514)	1:B:40:LEU:HB2	1:B:42:PHE:HB2	20	0.25
(1,3514)	1:B:60:LEU:HB2	1:B:39:PHE:HB3	20	0.25
(1,3513)	1:A:40:LEU:HB2	1:A:39:PHE:HB3	20	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3513)	1:A:40:LEU:HB2	1:A:42:PHE:HB2	20	0.25
(1,3513)	1:A:60:LEU:HB2	1:A:39:PHE:HB3	20	0.25
(1,3500)	1:B:29:GLY:HA2	1:B:28:ASP:HB2	6	0.25
(1,3500)	1:B:73:GLY:HA2	1:B:72:ASP:HB2	6	0.25
(1,3468)	1:B:75:LEU:HB3	1:B:33:THR:HA	4	0.25
(1,3468)	1:B:75:LEU:HB3	1:B:34:LEU:HA	4	0.25
(1,3467)	1:A:75:LEU:HB3	1:A:33:THR:HA	4	0.25
(1,3467)	1:A:75:LEU:HB3	1:A:34:LEU:HA	4	0.25
(1,3018)	1:B:78:SER:H	1:B:77:PHE:HB3	5	0.25
(1,3017)	1:A:78:SER:H	1:A:77:PHE:HB3	5	0.25
(1,2776)	1:B:50:PHE:H	1:B:47:LEU:HB2	9	0.25
(1,2768)	1:B:80:PHE:H	1:B:75:LEU:HB2	4	0.25
(1,2767)	1:A:80:PHE:H	1:A:75:LEU:HB2	4	0.25
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD22	11	0.25
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD21	11	0.25
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD23	11	0.25
(1,2635)	1:A:43:MET:H	1:A:34:LEU:HD22	11	0.25
(1,2635)	1:A:43:MET:H	1:A:34:LEU:HD21	11	0.25
(1,2635)	1:A:43:MET:H	1:A:34:LEU:HD23	11	0.25
(1,2630)	1:B:69:THR:H	1:B:67:LEU:HB2	16	0.25
(1,1822)	1:B:11:GLU:HG3	1:B:11:GLU:HA	12	0.25
(1,1821)	1:A:11:GLU:HG3	1:A:11:GLU:HA	12	0.25
(1,1608)	1:B:47:LEU:HB2	1:B:50:PHE:HB2	12	0.25
(1,1608)	1:B:47:LEU:HB2	1:B:50:PHE:HB3	12	0.25
(1,1607)	1:A:47:LEU:HB2	1:A:50:PHE:HB2	12	0.25
(1,1607)	1:A:47:LEU:HB2	1:A:50:PHE:HB3	12	0.25
(1,145)	1:A:78:SER:HB2	1:A:81:LEU:HB3	19	0.25
(1,145)	1:A:78:SER:HB3	1:A:81:LEU:HB3	19	0.25
(1,1221)	1:A:89:MET:HG2	1:A:88:ALA:HB2	2	0.25
(1,1221)	1:A:89:MET:HG2	1:A:88:ALA:HB1	2	0.25
(1,1221)	1:A:89:MET:HG2	1:A:88:ALA:HB3	2	0.25
(1,1030)	1:B:38:GLU:HB3	1:B:24:TYR:HB2	9	0.25
(1,1029)	1:A:38:GLU:HB3	1:A:24:TYR:HB2	9	0.25
(2,91)	1:A:44:ASN:HB3	1:A:47:LEU:H	9	0.24
(1,986)	1:B:61:ASP:H	1:B:58:GLY:HA3	8	0.24
(1,986)	1:B:61:ASP:H	1:B:58:GLY:HA3	11	0.24
(1,986)	1:B:61:ASP:H	1:B:58:GLY:HA3	13	0.24
(1,985)	1:A:61:ASP:H	1:A:58:GLY:HA3	6	0.24
(1,985)	1:A:61:ASP:H	1:A:58:GLY:HA3	8	0.24
(1,985)	1:A:61:ASP:H	1:A:58:GLY:HA3	13	0.24
(1,650)	1:B:15:GLU:HG2	1:B:16:SER:H	20	0.24
(1,649)	1:A:15:GLU:HG2	1:A:16:SER:H	20	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,622)	1:B:63:MET:H	1:B:62:ARG:HG2	3	0.24
(1,622)	1:B:63:MET:H	1:B:62:ARG:HG2	14	0.24
(1,621)	1:A:63:MET:H	1:A:62:ARG:HG2	3	0.24
(1,621)	1:A:63:MET:H	1:A:62:ARG:HG2	14	0.24
(1,5622)	1:B:47:LEU:H	1:B:45:THR:HG21	12	0.24
(1,5622)	1:B:47:LEU:H	1:B:45:THR:HG22	12	0.24
(1,5622)	1:B:47:LEU:H	1:B:45:THR:HG23	12	0.24
(1,5622)	1:B:47:LEU:H	1:B:48:ALA:HB2	12	0.24
(1,5622)	1:B:47:LEU:H	1:B:48:ALA:HB1	12	0.24
(1,5622)	1:B:47:LEU:H	1:B:48:ALA:HB3	12	0.24
(1,5621)	1:A:47:LEU:H	1:A:45:THR:HG21	12	0.24
(1,5621)	1:A:47:LEU:H	1:A:45:THR:HG22	12	0.24
(1,5621)	1:A:47:LEU:H	1:A:45:THR:HG23	12	0.24
(1,5621)	1:A:47:LEU:H	1:A:48:ALA:HB2	12	0.24
(1,5621)	1:A:47:LEU:H	1:A:48:ALA:HB1	12	0.24
(1,5621)	1:A:47:LEU:H	1:A:48:ALA:HB3	12	0.24
(1,5536)	1:B:23:LYS:H	1:B:20:VAL:HB	3	0.24
(1,5536)	1:B:23:LYS:H	1:B:22:GLN:HG2	3	0.24
(1,5536)	1:B:23:LYS:H	1:B:22:GLN:HG3	3	0.24
(1,5536)	1:B:23:LYS:H	1:B:24:TYR:HB3	3	0.24
(1,5535)	1:A:23:LYS:H	1:A:20:VAL:HB	3	0.24
(1,5535)	1:A:23:LYS:H	1:A:22:GLN:HG2	3	0.24
(1,5535)	1:A:23:LYS:H	1:A:22:GLN:HG3	3	0.24
(1,5535)	1:A:23:LYS:H	1:A:24:TYR:HB3	3	0.24
(1,5462)	1:B:45:THR:H	1:B:46:GLU:HB3	12	0.24
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG21	12	0.24
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG22	12	0.24
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG23	12	0.24
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD12	12	0.24
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD11	12	0.24
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD13	12	0.24
(1,5461)	1:A:45:THR:H	1:A:46:GLU:HB3	12	0.24
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG21	12	0.24
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG22	12	0.24
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG23	12	0.24
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD12	12	0.24
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD11	12	0.24
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD13	12	0.24
(1,5461)	1:A:45:THR:H	1:A:46:GLU:HB3	15	0.24
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG21	15	0.24
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG22	15	0.24
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG23	15	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD12	15	0.24
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD11	15	0.24
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD13	15	0.24
(1,5058)	1:B:37:THR:HG21	1:B:33:THR:HG21	3	0.24
(1,5058)	1:B:37:THR:HG21	1:B:33:THR:HG22	3	0.24
(1,5058)	1:B:37:THR:HG21	1:B:33:THR:HG23	3	0.24
(1,5058)	1:B:37:THR:HG22	1:B:33:THR:HG21	3	0.24
(1,5058)	1:B:37:THR:HG22	1:B:33:THR:HG22	3	0.24
(1,5058)	1:B:37:THR:HG22	1:B:33:THR:HG23	3	0.24
(1,5058)	1:B:37:THR:HG23	1:B:33:THR:HG21	3	0.24
(1,5058)	1:B:37:THR:HG23	1:B:33:THR:HG22	3	0.24
(1,5058)	1:B:37:THR:HG23	1:B:33:THR:HG23	3	0.24
(1,5058)	1:B:45:THR:HG21	1:B:23:LYS:HG2	3	0.24
(1,5058)	1:B:45:THR:HG22	1:B:23:LYS:HG2	3	0.24
(1,5058)	1:B:45:THR:HG23	1:B:23:LYS:HG2	3	0.24
(1,5058)	1:B:45:THR:HG21	1:B:47:LEU:HG	3	0.24
(1,5058)	1:B:45:THR:HG22	1:B:47:LEU:HG	3	0.24
(1,5058)	1:B:45:THR:HG23	1:B:47:LEU:HG	3	0.24
(1,5058)	1:B:45:THR:HG21	1:A:10:THR:HG21	3	0.24
(1,5058)	1:B:45:THR:HG21	1:A:10:THR:HG22	3	0.24
(1,5058)	1:B:45:THR:HG21	1:A:10:THR:HG23	3	0.24
(1,5058)	1:B:45:THR:HG22	1:A:10:THR:HG21	3	0.24
(1,5058)	1:B:45:THR:HG22	1:A:10:THR:HG22	3	0.24
(1,5058)	1:B:45:THR:HG22	1:A:10:THR:HG23	3	0.24
(1,5058)	1:B:45:THR:HG23	1:A:10:THR:HG21	3	0.24
(1,5058)	1:B:45:THR:HG23	1:A:10:THR:HG22	3	0.24
(1,5058)	1:B:45:THR:HG23	1:A:10:THR:HG23	3	0.24
(1,5058)	1:B:37:THR:HG21	1:B:33:THR:HG21	19	0.24
(1,5058)	1:B:37:THR:HG21	1:B:33:THR:HG22	19	0.24
(1,5058)	1:B:37:THR:HG21	1:B:33:THR:HG23	19	0.24
(1,5058)	1:B:37:THR:HG22	1:B:33:THR:HG21	19	0.24
(1,5058)	1:B:37:THR:HG22	1:B:33:THR:HG22	19	0.24
(1,5058)	1:B:37:THR:HG22	1:B:33:THR:HG23	19	0.24
(1,5058)	1:B:37:THR:HG23	1:B:33:THR:HG21	19	0.24
(1,5058)	1:B:37:THR:HG23	1:B:33:THR:HG22	19	0.24
(1,5058)	1:B:37:THR:HG23	1:B:33:THR:HG23	19	0.24
(1,5058)	1:B:45:THR:HG21	1:B:23:LYS:HG2	19	0.24
(1,5058)	1:B:45:THR:HG22	1:B:23:LYS:HG2	19	0.24
(1,5058)	1:B:45:THR:HG23	1:B:23:LYS:HG2	19	0.24
(1,5058)	1:B:45:THR:HG21	1:B:47:LEU:HG	19	0.24
(1,5058)	1:B:45:THR:HG22	1:B:47:LEU:HG	19	0.24
(1,5058)	1:B:45:THR:HG23	1:B:47:LEU:HG	19	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5058)	1:B:45:THR:HG21	1:A:10:THR:HG21	19	0.24
(1,5058)	1:B:45:THR:HG21	1:A:10:THR:HG22	19	0.24
(1,5058)	1:B:45:THR:HG21	1:A:10:THR:HG23	19	0.24
(1,5058)	1:B:45:THR:HG22	1:A:10:THR:HG21	19	0.24
(1,5058)	1:B:45:THR:HG22	1:A:10:THR:HG22	19	0.24
(1,5058)	1:B:45:THR:HG22	1:A:10:THR:HG23	19	0.24
(1,5058)	1:B:45:THR:HG23	1:A:10:THR:HG21	19	0.24
(1,5058)	1:B:45:THR:HG23	1:A:10:THR:HG22	19	0.24
(1,5058)	1:B:45:THR:HG23	1:A:10:THR:HG23	19	0.24
(1,5058)	1:B:37:THR:HG21	1:B:33:THR:HG21	20	0.24
(1,5058)	1:B:37:THR:HG21	1:B:33:THR:HG22	20	0.24
(1,5058)	1:B:37:THR:HG21	1:B:33:THR:HG23	20	0.24
(1,5058)	1:B:37:THR:HG22	1:B:33:THR:HG21	20	0.24
(1,5058)	1:B:37:THR:HG22	1:B:33:THR:HG22	20	0.24
(1,5058)	1:B:37:THR:HG22	1:B:33:THR:HG23	20	0.24
(1,5058)	1:B:37:THR:HG23	1:B:33:THR:HG21	20	0.24
(1,5058)	1:B:37:THR:HG23	1:B:33:THR:HG22	20	0.24
(1,5058)	1:B:37:THR:HG23	1:B:33:THR:HG23	20	0.24
(1,5058)	1:B:45:THR:HG21	1:B:23:LYS:HG2	20	0.24
(1,5058)	1:B:45:THR:HG22	1:B:23:LYS:HG2	20	0.24
(1,5058)	1:B:45:THR:HG23	1:B:23:LYS:HG2	20	0.24
(1,5058)	1:B:45:THR:HG21	1:B:47:LEU:HG	20	0.24
(1,5058)	1:B:45:THR:HG22	1:B:47:LEU:HG	20	0.24
(1,5058)	1:B:45:THR:HG23	1:B:47:LEU:HG	20	0.24
(1,5058)	1:B:45:THR:HG21	1:A:10:THR:HG21	20	0.24
(1,5058)	1:B:45:THR:HG21	1:A:10:THR:HG22	20	0.24
(1,5058)	1:B:45:THR:HG21	1:A:10:THR:HG23	20	0.24
(1,5058)	1:B:45:THR:HG22	1:A:10:THR:HG21	20	0.24
(1,5058)	1:B:45:THR:HG22	1:A:10:THR:HG22	20	0.24
(1,5058)	1:B:45:THR:HG22	1:A:10:THR:HG23	20	0.24
(1,5058)	1:B:45:THR:HG23	1:A:10:THR:HG21	20	0.24
(1,5058)	1:B:45:THR:HG23	1:A:10:THR:HG22	20	0.24
(1,5058)	1:B:45:THR:HG23	1:A:10:THR:HG23	20	0.24
(1,5057)	1:A:37:THR:HG21	1:A:33:THR:HG21	3	0.24
(1,5057)	1:A:37:THR:HG21	1:A:33:THR:HG22	3	0.24
(1,5057)	1:A:37:THR:HG21	1:A:33:THR:HG23	3	0.24
(1,5057)	1:A:37:THR:HG22	1:A:33:THR:HG21	3	0.24
(1,5057)	1:A:37:THR:HG22	1:A:33:THR:HG22	3	0.24
(1,5057)	1:A:37:THR:HG22	1:A:33:THR:HG23	3	0.24
(1,5057)	1:A:37:THR:HG23	1:A:33:THR:HG21	3	0.24
(1,5057)	1:A:37:THR:HG23	1:A:33:THR:HG22	3	0.24
(1,5057)	1:A:37:THR:HG23	1:A:33:THR:HG23	3	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5057)	1:A:45:THR:HG21	1:A:23:LYS:HG2	3	0.24
(1,5057)	1:A:45:THR:HG22	1:A:23:LYS:HG2	3	0.24
(1,5057)	1:A:45:THR:HG23	1:A:23:LYS:HG2	3	0.24
(1,5057)	1:A:45:THR:HG21	1:A:47:LEU:HG	3	0.24
(1,5057)	1:A:45:THR:HG22	1:A:47:LEU:HG	3	0.24
(1,5057)	1:A:45:THR:HG23	1:A:47:LEU:HG	3	0.24
(1,5057)	1:A:45:THR:HG21	1:B:10:THR:HG21	3	0.24
(1,5057)	1:A:45:THR:HG21	1:B:10:THR:HG22	3	0.24
(1,5057)	1:A:45:THR:HG21	1:B:10:THR:HG23	3	0.24
(1,5057)	1:A:45:THR:HG22	1:B:10:THR:HG21	3	0.24
(1,5057)	1:A:45:THR:HG22	1:B:10:THR:HG22	3	0.24
(1,5057)	1:A:45:THR:HG22	1:B:10:THR:HG23	3	0.24
(1,5057)	1:A:45:THR:HG23	1:B:10:THR:HG21	3	0.24
(1,5057)	1:A:45:THR:HG23	1:B:10:THR:HG22	3	0.24
(1,5057)	1:A:45:THR:HG23	1:B:10:THR:HG23	3	0.24
(1,5057)	1:A:37:THR:HG21	1:A:33:THR:HG21	19	0.24
(1,5057)	1:A:37:THR:HG21	1:A:33:THR:HG22	19	0.24
(1,5057)	1:A:37:THR:HG21	1:A:33:THR:HG23	19	0.24
(1,5057)	1:A:37:THR:HG22	1:A:33:THR:HG21	19	0.24
(1,5057)	1:A:37:THR:HG22	1:A:33:THR:HG22	19	0.24
(1,5057)	1:A:37:THR:HG22	1:A:33:THR:HG23	19	0.24
(1,5057)	1:A:37:THR:HG23	1:A:33:THR:HG21	19	0.24
(1,5057)	1:A:37:THR:HG23	1:A:33:THR:HG22	19	0.24
(1,5057)	1:A:37:THR:HG23	1:A:33:THR:HG23	19	0.24
(1,5057)	1:A:45:THR:HG21	1:A:23:LYS:HG2	19	0.24
(1,5057)	1:A:45:THR:HG22	1:A:23:LYS:HG2	19	0.24
(1,5057)	1:A:45:THR:HG23	1:A:23:LYS:HG2	19	0.24
(1,5057)	1:A:45:THR:HG21	1:A:47:LEU:HG	19	0.24
(1,5057)	1:A:45:THR:HG22	1:A:47:LEU:HG	19	0.24
(1,5057)	1:A:45:THR:HG23	1:A:47:LEU:HG	19	0.24
(1,5057)	1:A:45:THR:HG21	1:B:10:THR:HG21	19	0.24
(1,5057)	1:A:45:THR:HG21	1:B:10:THR:HG22	19	0.24
(1,5057)	1:A:45:THR:HG21	1:B:10:THR:HG23	19	0.24
(1,5057)	1:A:45:THR:HG22	1:B:10:THR:HG21	19	0.24
(1,5057)	1:A:45:THR:HG22	1:B:10:THR:HG22	19	0.24
(1,5057)	1:A:45:THR:HG22	1:B:10:THR:HG23	19	0.24
(1,5057)	1:A:45:THR:HG23	1:B:10:THR:HG21	19	0.24
(1,5057)	1:A:45:THR:HG23	1:B:10:THR:HG22	19	0.24
(1,5057)	1:A:45:THR:HG23	1:B:10:THR:HG23	19	0.24
(1,5057)	1:A:37:THR:HG21	1:A:33:THR:HG21	20	0.24
(1,5057)	1:A:37:THR:HG21	1:A:33:THR:HG22	20	0.24
(1,5057)	1:A:37:THR:HG21	1:A:33:THR:HG23	20	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5057)	1:A:37:THR:HG22	1:A:33:THR:HG21	20	0.24
(1,5057)	1:A:37:THR:HG22	1:A:33:THR:HG22	20	0.24
(1,5057)	1:A:37:THR:HG22	1:A:33:THR:HG23	20	0.24
(1,5057)	1:A:37:THR:HG23	1:A:33:THR:HG21	20	0.24
(1,5057)	1:A:37:THR:HG23	1:A:33:THR:HG22	20	0.24
(1,5057)	1:A:37:THR:HG23	1:A:33:THR:HG23	20	0.24
(1,5057)	1:A:45:THR:HG21	1:A:23:LYS:HG2	20	0.24
(1,5057)	1:A:45:THR:HG22	1:A:23:LYS:HG2	20	0.24
(1,5057)	1:A:45:THR:HG23	1:A:23:LYS:HG2	20	0.24
(1,5057)	1:A:45:THR:HG21	1:A:47:LEU:HG	20	0.24
(1,5057)	1:A:45:THR:HG22	1:A:47:LEU:HG	20	0.24
(1,5057)	1:A:45:THR:HG23	1:A:47:LEU:HG	20	0.24
(1,5057)	1:A:45:THR:HG21	1:B:10:THR:HG21	20	0.24
(1,5057)	1:A:45:THR:HG21	1:B:10:THR:HG22	20	0.24
(1,5057)	1:A:45:THR:HG21	1:B:10:THR:HG23	20	0.24
(1,5057)	1:A:45:THR:HG22	1:B:10:THR:HG21	20	0.24
(1,5057)	1:A:45:THR:HG22	1:B:10:THR:HG22	20	0.24
(1,5057)	1:A:45:THR:HG22	1:B:10:THR:HG23	20	0.24
(1,5057)	1:A:45:THR:HG23	1:B:10:THR:HG21	20	0.24
(1,5057)	1:A:45:THR:HG23	1:B:10:THR:HG22	20	0.24
(1,5057)	1:A:45:THR:HG23	1:B:10:THR:HG23	20	0.24
(1,4904)	1:B:82:ASN:HB2	1:B:66:LYS:HE2	20	0.24
(1,4904)	1:B:82:ASN:HB2	1:B:66:LYS:HE3	20	0.24
(1,4904)	1:B:82:ASN:HB2	1:B:80:PHE:HB3	20	0.24
(1,4903)	1:A:82:ASN:HB2	1:A:66:LYS:HE2	20	0.24
(1,4903)	1:A:82:ASN:HB2	1:A:66:LYS:HE3	20	0.24
(1,4903)	1:A:82:ASN:HB2	1:A:80:PHE:HB3	20	0.24
(1,4832)	1:B:12:ARG:HD2	1:B:9:GLU:HA	7	0.24
(1,4832)	1:B:12:ARG:HD3	1:B:9:GLU:HA	7	0.24
(1,4832)	1:B:12:ARG:HD2	1:B:12:ARG:HA	7	0.24
(1,4832)	1:B:12:ARG:HD3	1:B:12:ARG:HA	7	0.24
(1,4832)	1:B:12:ARG:HD2	1:B:9:GLU:HA	17	0.24
(1,4832)	1:B:12:ARG:HD3	1:B:9:GLU:HA	17	0.24
(1,4832)	1:B:12:ARG:HD2	1:B:12:ARG:HA	17	0.24
(1,4832)	1:B:12:ARG:HD3	1:B:12:ARG:HA	17	0.24
(1,4831)	1:A:12:ARG:HD2	1:A:9:GLU:HA	7	0.24
(1,4831)	1:A:12:ARG:HD3	1:A:9:GLU:HA	7	0.24
(1,4831)	1:A:12:ARG:HD2	1:A:12:ARG:HA	7	0.24
(1,4831)	1:A:12:ARG:HD3	1:A:12:ARG:HA	7	0.24
(1,4831)	1:A:12:ARG:HD2	1:A:9:GLU:HA	17	0.24
(1,4831)	1:A:12:ARG:HD3	1:A:9:GLU:HA	17	0.24
(1,4831)	1:A:12:ARG:HD2	1:A:12:ARG:HA	17	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4831)	1:A:12:ARG:HD3	1:A:12:ARG:HA	17	0.24
(1,4782)	1:B:8:THR:HB	1:B:7:PRO:HG2	8	0.24
(1,4782)	1:B:8:THR:HB	1:B:7:PRO:HG3	8	0.24
(1,4782)	1:B:74:GLN:HA	1:B:40:LEU:HG	8	0.24
(1,4782)	1:B:8:THR:HB	1:B:7:PRO:HG2	11	0.24
(1,4782)	1:B:8:THR:HB	1:B:7:PRO:HG3	11	0.24
(1,4782)	1:B:74:GLN:HA	1:B:40:LEU:HG	11	0.24
(1,4782)	1:B:8:THR:HB	1:B:7:PRO:HG2	18	0.24
(1,4782)	1:B:8:THR:HB	1:B:7:PRO:HG3	18	0.24
(1,4782)	1:B:74:GLN:HA	1:B:40:LEU:HG	18	0.24
(1,4781)	1:A:8:THR:HB	1:A:7:PRO:HG2	7	0.24
(1,4781)	1:A:8:THR:HB	1:A:7:PRO:HG3	7	0.24
(1,4781)	1:A:74:GLN:HA	1:A:40:LEU:HG	7	0.24
(1,4781)	1:A:8:THR:HB	1:A:7:PRO:HG2	14	0.24
(1,4781)	1:A:8:THR:HB	1:A:7:PRO:HG3	14	0.24
(1,4781)	1:A:74:GLN:HA	1:A:40:LEU:HG	14	0.24
(1,4781)	1:A:8:THR:HB	1:A:7:PRO:HG2	17	0.24
(1,4781)	1:A:8:THR:HB	1:A:7:PRO:HG3	17	0.24
(1,4781)	1:A:74:GLN:HA	1:A:40:LEU:HG	17	0.24
(1,4781)	1:A:8:THR:HB	1:A:7:PRO:HG2	18	0.24
(1,4781)	1:A:8:THR:HB	1:A:7:PRO:HG3	18	0.24
(1,4781)	1:A:74:GLN:HA	1:A:40:LEU:HG	18	0.24
(1,4710)	1:B:9:GLU:HB2	1:B:12:ARG:HG2	16	0.24
(1,4710)	1:B:9:GLU:HB3	1:B:12:ARG:HG2	16	0.24
(1,4710)	1:B:15:GLU:HB2	1:B:18:ILE:HB	16	0.24
(1,4710)	1:B:15:GLU:HB3	1:B:18:ILE:HB	16	0.24
(1,4709)	1:A:9:GLU:HB2	1:A:12:ARG:HG2	16	0.24
(1,4709)	1:A:9:GLU:HB3	1:A:12:ARG:HG2	16	0.24
(1,4709)	1:A:15:GLU:HB2	1:A:18:ILE:HB	16	0.24
(1,4709)	1:A:15:GLU:HB3	1:A:18:ILE:HB	16	0.24
(1,4654)	1:B:94:SER:HB2	1:B:99:VAL:HB	12	0.24
(1,4654)	1:B:94:SER:HB3	1:B:99:VAL:HB	12	0.24
(1,4654)	1:B:94:SER:HB2	1:B:100:PRO:HB3	12	0.24
(1,4654)	1:B:94:SER:HB3	1:B:100:PRO:HB3	12	0.24
(1,4654)	1:B:94:SER:HB2	1:B:100:PRO:HG2	12	0.24
(1,4654)	1:B:94:SER:HB3	1:B:100:PRO:HG2	12	0.24
(1,4654)	1:B:94:SER:HB2	1:B:100:PRO:HG3	12	0.24
(1,4654)	1:B:94:SER:HB3	1:B:100:PRO:HG3	12	0.24
(1,4654)	1:B:94:SER:HB2	1:A:11:GLU:HB2	12	0.24
(1,4654)	1:B:94:SER:HB2	1:A:11:GLU:HB3	12	0.24
(1,4654)	1:B:94:SER:HB3	1:A:11:GLU:HB2	12	0.24
(1,4654)	1:B:94:SER:HB3	1:A:11:GLU:HB3	12	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4654)	1:B:94:SER:HB2	1:A:14:ILE:HB	12	0.24
(1,4654)	1:B:94:SER:HB3	1:A:14:ILE:HB	12	0.24
(1,4654)	1:B:94:SER:HB2	1:A:22:GLN:HB2	12	0.24
(1,4654)	1:B:94:SER:HB2	1:A:22:GLN:HB3	12	0.24
(1,4654)	1:B:94:SER:HB3	1:A:22:GLN:HB2	12	0.24
(1,4654)	1:B:94:SER:HB3	1:A:22:GLN:HB3	12	0.24
(1,4654)	1:B:94:SER:HB2	1:B:99:VAL:HB	19	0.24
(1,4654)	1:B:94:SER:HB3	1:B:99:VAL:HB	19	0.24
(1,4654)	1:B:94:SER:HB2	1:B:100:PRO:HB3	19	0.24
(1,4654)	1:B:94:SER:HB3	1:B:100:PRO:HB3	19	0.24
(1,4654)	1:B:94:SER:HB2	1:B:100:PRO:HG2	19	0.24
(1,4654)	1:B:94:SER:HB3	1:B:100:PRO:HG2	19	0.24
(1,4654)	1:B:94:SER:HB2	1:B:100:PRO:HG3	19	0.24
(1,4654)	1:B:94:SER:HB3	1:B:100:PRO:HG3	19	0.24
(1,4654)	1:B:94:SER:HB2	1:A:11:GLU:HB2	19	0.24
(1,4654)	1:B:94:SER:HB2	1:A:11:GLU:HB3	19	0.24
(1,4654)	1:B:94:SER:HB3	1:A:11:GLU:HB2	19	0.24
(1,4654)	1:B:94:SER:HB3	1:A:11:GLU:HB3	19	0.24
(1,4654)	1:B:94:SER:HB2	1:A:14:ILE:HB	19	0.24
(1,4654)	1:B:94:SER:HB3	1:A:14:ILE:HB	19	0.24
(1,4654)	1:B:94:SER:HB2	1:A:22:GLN:HB2	19	0.24
(1,4654)	1:B:94:SER:HB2	1:A:22:GLN:HB3	19	0.24
(1,4654)	1:B:94:SER:HB3	1:A:22:GLN:HB2	19	0.24
(1,4654)	1:B:94:SER:HB3	1:A:22:GLN:HB3	19	0.24
(1,4653)	1:A:94:SER:HB2	1:A:99:VAL:HB	7	0.24
(1,4653)	1:A:94:SER:HB3	1:A:99:VAL:HB	7	0.24
(1,4653)	1:A:94:SER:HB2	1:A:100:PRO:HB3	7	0.24
(1,4653)	1:A:94:SER:HB3	1:A:100:PRO:HB3	7	0.24
(1,4653)	1:A:94:SER:HB2	1:A:100:PRO:HG2	7	0.24
(1,4653)	1:A:94:SER:HB3	1:A:100:PRO:HG2	7	0.24
(1,4653)	1:A:94:SER:HB2	1:A:100:PRO:HG3	7	0.24
(1,4653)	1:A:94:SER:HB3	1:A:100:PRO:HG3	7	0.24
(1,4653)	1:A:94:SER:HB2	1:B:11:GLU:HB2	7	0.24
(1,4653)	1:A:94:SER:HB2	1:B:11:GLU:HB3	7	0.24
(1,4653)	1:A:94:SER:HB3	1:B:11:GLU:HB2	7	0.24
(1,4653)	1:A:94:SER:HB3	1:B:11:GLU:HB3	7	0.24
(1,4653)	1:A:94:SER:HB2	1:B:14:ILE:HB	7	0.24
(1,4653)	1:A:94:SER:HB3	1:B:14:ILE:HB	7	0.24
(1,4653)	1:A:94:SER:HB2	1:B:22:GLN:HB2	7	0.24
(1,4653)	1:A:94:SER:HB2	1:B:22:GLN:HB3	7	0.24
(1,4653)	1:A:94:SER:HB3	1:B:22:GLN:HB2	7	0.24
(1,4653)	1:A:94:SER:HB3	1:B:22:GLN:HB3	7	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4653)	1:A:94:SER:HB2	1:A:99:VAL:HB	12	0.24
(1,4653)	1:A:94:SER:HB3	1:A:99:VAL:HB	12	0.24
(1,4653)	1:A:94:SER:HB2	1:A:100:PRO:HB3	12	0.24
(1,4653)	1:A:94:SER:HB3	1:A:100:PRO:HB3	12	0.24
(1,4653)	1:A:94:SER:HB2	1:A:100:PRO:HG2	12	0.24
(1,4653)	1:A:94:SER:HB3	1:A:100:PRO:HG2	12	0.24
(1,4653)	1:A:94:SER:HB2	1:A:100:PRO:HG3	12	0.24
(1,4653)	1:A:94:SER:HB3	1:A:100:PRO:HG3	12	0.24
(1,4653)	1:A:94:SER:HB2	1:B:11:GLU:HB2	12	0.24
(1,4653)	1:A:94:SER:HB2	1:B:11:GLU:HB3	12	0.24
(1,4653)	1:A:94:SER:HB3	1:B:11:GLU:HB2	12	0.24
(1,4653)	1:A:94:SER:HB3	1:B:11:GLU:HB3	12	0.24
(1,4653)	1:A:94:SER:HB2	1:B:14:ILE:HB	12	0.24
(1,4653)	1:A:94:SER:HB3	1:B:14:ILE:HB	12	0.24
(1,4653)	1:A:94:SER:HB2	1:B:22:GLN:HB2	12	0.24
(1,4653)	1:A:94:SER:HB2	1:B:22:GLN:HB3	12	0.24
(1,4653)	1:A:94:SER:HB3	1:B:22:GLN:HB2	12	0.24
(1,4653)	1:A:94:SER:HB3	1:B:22:GLN:HB3	12	0.24
(1,4653)	1:A:94:SER:HB2	1:A:99:VAL:HB	17	0.24
(1,4653)	1:A:94:SER:HB3	1:A:99:VAL:HB	17	0.24
(1,4653)	1:A:94:SER:HB2	1:A:100:PRO:HB3	17	0.24
(1,4653)	1:A:94:SER:HB3	1:A:100:PRO:HB3	17	0.24
(1,4653)	1:A:94:SER:HB2	1:A:100:PRO:HG2	17	0.24
(1,4653)	1:A:94:SER:HB3	1:A:100:PRO:HG2	17	0.24
(1,4653)	1:A:94:SER:HB2	1:A:100:PRO:HG3	17	0.24
(1,4653)	1:A:94:SER:HB3	1:A:100:PRO:HG3	17	0.24
(1,4653)	1:A:94:SER:HB2	1:B:11:GLU:HB2	17	0.24
(1,4653)	1:A:94:SER:HB2	1:B:11:GLU:HB3	17	0.24
(1,4653)	1:A:94:SER:HB3	1:B:11:GLU:HB2	17	0.24
(1,4653)	1:A:94:SER:HB3	1:B:11:GLU:HB3	17	0.24
(1,4653)	1:A:94:SER:HB2	1:B:14:ILE:HB	17	0.24
(1,4653)	1:A:94:SER:HB3	1:B:14:ILE:HB	17	0.24
(1,4653)	1:A:94:SER:HB2	1:B:22:GLN:HB2	17	0.24
(1,4653)	1:A:94:SER:HB2	1:B:22:GLN:HB3	17	0.24
(1,4653)	1:A:94:SER:HB3	1:B:22:GLN:HB2	17	0.24
(1,4653)	1:A:94:SER:HB3	1:B:22:GLN:HB3	17	0.24
(1,4653)	1:A:94:SER:HB2	1:A:99:VAL:HB	19	0.24
(1,4653)	1:A:94:SER:HB3	1:A:99:VAL:HB	19	0.24
(1,4653)	1:A:94:SER:HB2	1:A:100:PRO:HB3	19	0.24
(1,4653)	1:A:94:SER:HB3	1:A:100:PRO:HB3	19	0.24
(1,4653)	1:A:94:SER:HB2	1:A:100:PRO:HG2	19	0.24
(1,4653)	1:A:94:SER:HB3	1:A:100:PRO:HG2	19	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4653)	1:A:94:SER:HB2	1:A:100:PRO:HG3	19	0.24
(1,4653)	1:A:94:SER:HB3	1:A:100:PRO:HG3	19	0.24
(1,4653)	1:A:94:SER:HB2	1:B:11:GLU:HB2	19	0.24
(1,4653)	1:A:94:SER:HB2	1:B:11:GLU:HB3	19	0.24
(1,4653)	1:A:94:SER:HB3	1:B:11:GLU:HB2	19	0.24
(1,4653)	1:A:94:SER:HB3	1:B:11:GLU:HB3	19	0.24
(1,4653)	1:A:94:SER:HB2	1:B:14:ILE:HB	19	0.24
(1,4653)	1:A:94:SER:HB3	1:B:14:ILE:HB	19	0.24
(1,4653)	1:A:94:SER:HB2	1:B:22:GLN:HB2	19	0.24
(1,4653)	1:A:94:SER:HB2	1:B:22:GLN:HB3	19	0.24
(1,4653)	1:A:94:SER:HB3	1:B:22:GLN:HB2	19	0.24
(1,4653)	1:A:94:SER:HB3	1:B:22:GLN:HB3	19	0.24
(1,4618)	1:B:68:ASP:HA	1:B:74:GLN:HB3	13	0.24
(1,4618)	1:B:74:GLN:HB3	1:B:72:ASP:HA	13	0.24
(1,4348)	1:B:82:ASN:HB2	1:B:66:LYS:HE2	20	0.24
(1,4348)	1:B:82:ASN:HB2	1:B:66:LYS:HE3	20	0.24
(1,4348)	1:B:82:ASN:HB2	1:B:80:PHE:HB3	20	0.24
(1,4347)	1:A:82:ASN:HB2	1:A:66:LYS:HE2	20	0.24
(1,4347)	1:A:82:ASN:HB2	1:A:66:LYS:HE3	20	0.24
(1,4347)	1:A:82:ASN:HB2	1:A:80:PHE:HB3	20	0.24
(1,4334)	1:B:74:GLN:HB3	1:B:68:ASP:HB2	1	0.24
(1,4334)	1:B:18:ILE:HB	1:B:21:PHE:HB2	1	0.24
(1,4334)	1:B:64:MET:HB3	1:B:68:ASP:HB2	1	0.24
(1,4334)	1:B:68:ASP:HB2	1:B:67:LEU:HB2	1	0.24
(1,4333)	1:A:74:GLN:HB3	1:A:68:ASP:HB2	1	0.24
(1,4333)	1:A:18:ILE:HB	1:A:21:PHE:HB2	1	0.24
(1,4333)	1:A:64:MET:HB3	1:A:68:ASP:HB2	1	0.24
(1,4333)	1:A:68:ASP:HB2	1:A:67:LEU:HB2	1	0.24
(1,4316)	1:B:22:GLN:HA	1:B:19:ALA:HA	2	0.24
(1,4316)	1:B:25:ALA:HA	1:B:22:GLN:HA	2	0.24
(1,4316)	1:B:22:GLN:HA	1:B:26:GLY:HA2	2	0.24
(1,4316)	1:B:37:THR:HA	1:B:40:LEU:HA	2	0.24
(1,4315)	1:A:22:GLN:HA	1:A:19:ALA:HA	2	0.24
(1,4315)	1:A:25:ALA:HA	1:A:22:GLN:HA	2	0.24
(1,4315)	1:A:22:GLN:HA	1:A:26:GLY:HA2	2	0.24
(1,4315)	1:A:37:THR:HA	1:A:40:LEU:HA	2	0.24
(1,4244)	1:B:87:LEU:HB2	1:B:91:CYS:HA	20	0.24
(1,4244)	1:B:91:CYS:HA	1:B:97:LYS:HB2	20	0.24
(1,4244)	1:B:91:CYS:HA	1:B:97:LYS:HB3	20	0.24
(1,4244)	1:B:91:CYS:HA	1:B:97:LYS:HD2	20	0.24
(1,4244)	1:B:91:CYS:HA	1:B:97:LYS:HD3	20	0.24
(1,4244)	1:B:91:CYS:HA	1:A:18:ILE:HB	20	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4243)	1:A:87:LEU:HB2	1:A:91:CYS:HA	20	0.24
(1,4243)	1:A:91:CYS:HA	1:A:97:LYS:HB2	20	0.24
(1,4243)	1:A:91:CYS:HA	1:A:97:LYS:HB3	20	0.24
(1,4243)	1:A:91:CYS:HA	1:A:97:LYS:HD2	20	0.24
(1,4243)	1:A:91:CYS:HA	1:A:97:LYS:HD3	20	0.24
(1,4243)	1:A:91:CYS:HA	1:B:18:ILE:HB	20	0.24
(1,4094)	1:B:11:GLU:HB2	1:B:13:CYS:HB3	11	0.24
(1,4094)	1:B:11:GLU:HB3	1:B:13:CYS:HB3	11	0.24
(1,4094)	1:B:12:ARG:HB2	1:B:13:CYS:HB3	11	0.24
(1,4094)	1:B:12:ARG:HB3	1:B:13:CYS:HB3	11	0.24
(1,4094)	1:B:38:GLU:HB3	1:B:27:LYS:HE2	11	0.24
(1,4094)	1:B:38:GLU:HB3	1:B:27:LYS:HE3	11	0.24
(1,4094)	1:B:62:ARG:HB2	1:B:66:LYS:HE2	11	0.24
(1,4094)	1:B:62:ARG:HB2	1:B:66:LYS:HE3	11	0.24
(1,4093)	1:A:11:GLU:HB2	1:A:13:CYS:HB3	11	0.24
(1,4093)	1:A:11:GLU:HB3	1:A:13:CYS:HB3	11	0.24
(1,4093)	1:A:12:ARG:HB2	1:A:13:CYS:HB3	11	0.24
(1,4093)	1:A:12:ARG:HB3	1:A:13:CYS:HB3	11	0.24
(1,4093)	1:A:38:GLU:HB3	1:A:27:LYS:HE2	11	0.24
(1,4093)	1:A:38:GLU:HB3	1:A:27:LYS:HE3	11	0.24
(1,4093)	1:A:62:ARG:HB2	1:A:66:LYS:HE2	11	0.24
(1,4093)	1:A:62:ARG:HB2	1:A:66:LYS:HE3	11	0.24
(1,4066)	1:B:44:ASN:HB3	1:B:40:LEU:HD12	10	0.24
(1,4066)	1:B:44:ASN:HB3	1:B:40:LEU:HD11	10	0.24
(1,4066)	1:B:44:ASN:HB3	1:B:40:LEU:HD13	10	0.24
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD22	10	0.24
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD21	10	0.24
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD23	10	0.24
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD12	10	0.24
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD11	10	0.24
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD13	10	0.24
(1,4066)	1:B:44:ASN:HB3	1:B:40:LEU:HD12	18	0.24
(1,4066)	1:B:44:ASN:HB3	1:B:40:LEU:HD11	18	0.24
(1,4066)	1:B:44:ASN:HB3	1:B:40:LEU:HD13	18	0.24
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD22	18	0.24
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD21	18	0.24
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD23	18	0.24
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD12	18	0.24
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD11	18	0.24
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD13	18	0.24
(1,4065)	1:A:44:ASN:HB3	1:A:40:LEU:HD12	10	0.24
(1,4065)	1:A:44:ASN:HB3	1:A:40:LEU:HD11	10	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4065)	1:A:44:ASN:HB3	1:A:40:LEU:HD13	10	0.24
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD22	10	0.24
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD21	10	0.24
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD23	10	0.24
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD12	10	0.24
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD11	10	0.24
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD13	10	0.24
(1,4065)	1:A:44:ASN:HB3	1:A:40:LEU:HD12	18	0.24
(1,4065)	1:A:44:ASN:HB3	1:A:40:LEU:HD11	18	0.24
(1,4065)	1:A:44:ASN:HB3	1:A:40:LEU:HD13	18	0.24
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD22	18	0.24
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD21	18	0.24
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD23	18	0.24
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD12	18	0.24
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD11	18	0.24
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD13	18	0.24
(1,4052)	1:B:58:GLY:HA3	1:B:57:PRO:HB3	1	0.24
(1,4052)	1:B:58:GLY:HA3	1:B:57:PRO:HG2	1	0.24
(1,4052)	1:B:58:GLY:HA3	1:B:57:PRO:HG3	1	0.24
(1,4051)	1:A:58:GLY:HA3	1:A:57:PRO:HB3	1	0.24
(1,4051)	1:A:58:GLY:HA3	1:A:57:PRO:HG2	1	0.24
(1,4051)	1:A:58:GLY:HA3	1:A:57:PRO:HG3	1	0.24
(1,4023)	1:A:83:LEU:HB3	1:A:66:LYS:HE2	16	0.24
(1,4023)	1:A:83:LEU:HB3	1:A:66:LYS:HE3	16	0.24
(1,4023)	1:A:83:LEU:HB3	1:A:82:ASN:HB2	16	0.24
(1,4012)	1:B:81:LEU:HD22	1:A:89:MET:HG3	17	0.24
(1,4012)	1:B:81:LEU:HD21	1:A:89:MET:HG3	17	0.24
(1,4012)	1:B:81:LEU:HD23	1:A:89:MET:HG3	17	0.24
(1,4012)	1:B:81:LEU:HD22	1:B:21:PHE:HB3	17	0.24
(1,4012)	1:B:81:LEU:HD21	1:B:21:PHE:HB3	17	0.24
(1,4012)	1:B:81:LEU:HD23	1:B:21:PHE:HB3	17	0.24
(1,3958)	1:B:17:LEU:HG	1:B:15:GLU:HA	16	0.24
(1,3958)	1:B:17:LEU:HG	1:B:16:SER:HB3	16	0.24
(1,3958)	1:B:17:LEU:HG	1:A:10:THR:HB	16	0.24
(1,3957)	1:A:17:LEU:HG	1:A:15:GLU:HA	16	0.24
(1,3957)	1:A:17:LEU:HG	1:A:16:SER:HB3	16	0.24
(1,3957)	1:A:17:LEU:HG	1:B:10:THR:HB	16	0.24
(1,3938)	1:B:39:PHE:HB2	1:B:36:LYS:HG2	15	0.24
(1,3938)	1:B:39:PHE:HB2	1:B:36:LYS:HG3	15	0.24
(1,3938)	1:B:65:LYS:HG2	1:B:64:MET:HA	15	0.24
(1,3938)	1:B:65:LYS:HG3	1:B:64:MET:HA	15	0.24
(1,3937)	1:A:39:PHE:HB2	1:A:36:LYS:HG2	15	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3937)	1:A:39:PHE:HB2	1:A:36:LYS:HG3	15	0.24
(1,3937)	1:A:65:LYS:HG2	1:A:64:MET:HA	15	0.24
(1,3937)	1:A:65:LYS:HG3	1:A:64:MET:HA	15	0.24
(1,3898)	1:B:10:THR:HA	1:B:11:GLU:HB2	1	0.24
(1,3898)	1:B:10:THR:HA	1:B:11:GLU:HB3	1	0.24
(1,3898)	1:B:10:THR:HA	1:B:12:ARG:HB2	1	0.24
(1,3898)	1:B:10:THR:HA	1:B:12:ARG:HB3	1	0.24
(1,3898)	1:B:10:THR:HA	1:B:14:ILE:HB	1	0.24
(1,3897)	1:A:10:THR:HA	1:A:11:GLU:HB2	1	0.24
(1,3897)	1:A:10:THR:HA	1:A:11:GLU:HB3	1	0.24
(1,3897)	1:A:10:THR:HA	1:A:12:ARG:HB2	1	0.24
(1,3897)	1:A:10:THR:HA	1:A:12:ARG:HB3	1	0.24
(1,3897)	1:A:10:THR:HA	1:A:14:ILE:HB	1	0.24
(1,3850)	1:B:34:LEU:HB2	1:B:39:PHE:HB2	5	0.24
(1,3850)	1:B:39:PHE:HB2	1:B:36:LYS:HB2	5	0.24
(1,3850)	1:B:39:PHE:HB2	1:B:36:LYS:HB3	5	0.24
(1,3850)	1:B:39:PHE:HB2	1:B:40:LEU:HG	5	0.24
(1,3850)	1:B:39:PHE:HB2	1:B:64:MET:HB2	5	0.24
(1,3850)	1:B:34:LEU:HB2	1:B:39:PHE:HB2	16	0.24
(1,3850)	1:B:39:PHE:HB2	1:B:36:LYS:HB2	16	0.24
(1,3850)	1:B:39:PHE:HB2	1:B:36:LYS:HB3	16	0.24
(1,3850)	1:B:39:PHE:HB2	1:B:40:LEU:HG	16	0.24
(1,3850)	1:B:39:PHE:HB2	1:B:64:MET:HB2	16	0.24
(1,3849)	1:A:34:LEU:HB2	1:A:39:PHE:HB2	5	0.24
(1,3849)	1:A:39:PHE:HB2	1:A:36:LYS:HB2	5	0.24
(1,3849)	1:A:39:PHE:HB2	1:A:36:LYS:HB3	5	0.24
(1,3849)	1:A:39:PHE:HB2	1:A:40:LEU:HG	5	0.24
(1,3849)	1:A:39:PHE:HB2	1:A:64:MET:HB2	5	0.24
(1,3849)	1:A:34:LEU:HB2	1:A:39:PHE:HB2	16	0.24
(1,3849)	1:A:39:PHE:HB2	1:A:36:LYS:HB2	16	0.24
(1,3849)	1:A:39:PHE:HB2	1:A:36:LYS:HB3	16	0.24
(1,3849)	1:A:39:PHE:HB2	1:A:40:LEU:HG	16	0.24
(1,3849)	1:A:39:PHE:HB2	1:A:64:MET:HB2	16	0.24
(1,3736)	1:B:37:THR:HB	1:B:35:SER:HA	20	0.24
(1,3736)	1:B:51:THR:HB	1:B:53:ASN:HA	20	0.24
(1,3735)	1:A:37:THR:HB	1:A:35:SER:HA	16	0.24
(1,3735)	1:A:51:THR:HB	1:A:53:ASN:HA	16	0.24
(1,3670)	1:B:69:THR:HA	1:B:70:ASN:HB2	11	0.24
(1,3670)	1:B:70:ASN:HB2	1:B:71:SER:HA	11	0.24
(1,3669)	1:A:69:THR:HA	1:A:70:ASN:HB2	11	0.24
(1,3669)	1:A:70:ASN:HB2	1:A:71:SER:HA	11	0.24
(1,356)	1:B:60:LEU:HB2	1:B:61:ASP:HB3	7	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,356)	1:B:60:LEU:HB2	1:B:61:ASP:HB3	18	0.24
(1,355)	1:A:60:LEU:HB2	1:A:61:ASP:HB3	4	0.24
(1,355)	1:A:60:LEU:HB2	1:A:61:ASP:HB3	18	0.24
(1,3499)	1:A:29:GLY:HA2	1:A:28:ASP:HB2	6	0.24
(1,3499)	1:A:73:GLY:HA2	1:A:72:ASP:HB2	6	0.24
(1,3468)	1:B:75:LEU:HB3	1:B:33:THR:HA	12	0.24
(1,3468)	1:B:75:LEU:HB3	1:B:34:LEU:HA	12	0.24
(1,3467)	1:A:75:LEU:HB3	1:A:33:THR:HA	12	0.24
(1,3467)	1:A:75:LEU:HB3	1:A:34:LEU:HA	12	0.24
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD22	2	0.24
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD21	2	0.24
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD23	2	0.24
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD22	2	0.24
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD21	2	0.24
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD23	2	0.24
(1,3404)	1:B:9:GLU:HB2	1:A:16:SER:HB3	4	0.24
(1,3404)	1:B:9:GLU:HB3	1:A:16:SER:HB3	4	0.24
(1,3404)	1:B:9:GLU:HB2	1:A:20:VAL:HA	4	0.24
(1,3404)	1:B:9:GLU:HB3	1:A:20:VAL:HA	4	0.24
(1,3056)	1:B:94:SER:H	1:B:93:ASP:HB2	16	0.24
(1,3055)	1:A:94:SER:H	1:A:93:ASP:HB2	16	0.24
(1,3018)	1:B:78:SER:H	1:B:77:PHE:HB3	2	0.24
(1,3017)	1:A:78:SER:H	1:A:77:PHE:HB3	2	0.24
(1,286)	1:B:75:LEU:HB3	1:B:39:PHE:HB3	11	0.24
(1,2775)	1:A:50:PHE:H	1:A:47:LEU:HB2	9	0.24
(1,267)	1:A:75:LEU:HB3	1:A:39:PHE:HB3	20	0.24
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD22	6	0.24
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD21	6	0.24
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD23	6	0.24
(1,2635)	1:A:43:MET:H	1:A:34:LEU:HD22	6	0.24
(1,2635)	1:A:43:MET:H	1:A:34:LEU:HD21	6	0.24
(1,2635)	1:A:43:MET:H	1:A:34:LEU:HD23	6	0.24
(1,2629)	1:A:69:THR:H	1:A:67:LEU:HB2	16	0.24
(1,1608)	1:B:47:LEU:HB2	1:B:50:PHE:HB2	18	0.24
(1,1608)	1:B:47:LEU:HB2	1:B:50:PHE:HB3	18	0.24
(1,1607)	1:A:47:LEU:HB2	1:A:50:PHE:HB2	18	0.24
(1,1607)	1:A:47:LEU:HB2	1:A:50:PHE:HB3	18	0.24
(1,146)	1:B:78:SER:HB2	1:B:81:LEU:HB3	19	0.24
(1,146)	1:B:78:SER:HB3	1:B:81:LEU:HB3	19	0.24
(1,136)	1:B:89:MET:HG2	1:B:85:GLY:HA3	7	0.24
(1,135)	1:A:89:MET:HG2	1:A:85:GLY:HA3	7	0.24
(1,1237)	1:A:62:ARG:HB3	1:A:59:VAL:HA	2	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1222)	1:B:89:MET:HG2	1:B:88:ALA:HB2	2	0.24
(1,1222)	1:B:89:MET:HG2	1:B:88:ALA:HB1	2	0.24
(1,1222)	1:B:89:MET:HG2	1:B:88:ALA:HB3	2	0.24
(2,86)	1:B:42:PHE:HB2	1:B:47:LEU:H	12	0.23
(2,85)	1:A:42:PHE:HB2	1:A:47:LEU:H	12	0.23
(2,123)	1:A:44:ASN:HB2	1:A:48:ALA:H	14	0.23
(1,994)	1:B:21:PHE:HB2	1:B:22:GLN:HA	15	0.23
(1,993)	1:A:21:PHE:HB2	1:A:22:GLN:HA	15	0.23
(1,986)	1:B:61:ASP:H	1:B:58:GLY:HA3	4	0.23
(1,986)	1:B:61:ASP:H	1:B:58:GLY:HA3	6	0.23
(1,986)	1:B:61:ASP:H	1:B:58:GLY:HA3	15	0.23
(1,986)	1:B:61:ASP:H	1:B:58:GLY:HA3	17	0.23
(1,985)	1:A:61:ASP:H	1:A:58:GLY:HA3	4	0.23
(1,985)	1:A:61:ASP:H	1:A:58:GLY:HA3	11	0.23
(1,985)	1:A:61:ASP:H	1:A:58:GLY:HA3	15	0.23
(1,985)	1:A:61:ASP:H	1:A:58:GLY:HA3	17	0.23
(1,934)	1:B:97:LYS:HA	1:B:97:LYS:HE2	16	0.23
(1,934)	1:B:97:LYS:HA	1:B:97:LYS:HE3	16	0.23
(1,933)	1:A:97:LYS:HA	1:A:97:LYS:HE2	16	0.23
(1,933)	1:A:97:LYS:HA	1:A:97:LYS:HE3	16	0.23
(1,716)	1:B:76:ASP:HA	1:B:77:PHE:HB2	6	0.23
(1,622)	1:B:63:MET:H	1:B:62:ARG:HG2	18	0.23
(1,5536)	1:B:23:LYS:H	1:B:20:VAL:HB	18	0.23
(1,5536)	1:B:23:LYS:H	1:B:22:GLN:HG2	18	0.23
(1,5536)	1:B:23:LYS:H	1:B:22:GLN:HG3	18	0.23
(1,5536)	1:B:23:LYS:H	1:B:24:TYR:HB3	18	0.23
(1,5535)	1:A:23:LYS:H	1:A:20:VAL:HB	18	0.23
(1,5535)	1:A:23:LYS:H	1:A:22:GLN:HG2	18	0.23
(1,5535)	1:A:23:LYS:H	1:A:22:GLN:HG3	18	0.23
(1,5535)	1:A:23:LYS:H	1:A:24:TYR:HB3	18	0.23
(1,5462)	1:B:45:THR:H	1:B:46:GLU:HB3	15	0.23
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG21	15	0.23
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG22	15	0.23
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG23	15	0.23
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD12	15	0.23
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD11	15	0.23
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD13	15	0.23
(1,5462)	1:B:45:THR:H	1:B:46:GLU:HB3	18	0.23
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG21	18	0.23
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG22	18	0.23
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG23	18	0.23
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD12	18	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD11	18	0.23
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD13	18	0.23
(1,5461)	1:A:45:THR:H	1:A:46:GLU:HB3	18	0.23
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG21	18	0.23
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG22	18	0.23
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG23	18	0.23
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD12	18	0.23
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD11	18	0.23
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD13	18	0.23
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG22	12	0.23
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG21	12	0.23
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG23	12	0.23
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD12	12	0.23
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD11	12	0.23
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD13	12	0.23
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD22	12	0.23
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD21	12	0.23
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD23	12	0.23
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG22	12	0.23
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG21	12	0.23
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG23	12	0.23
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD12	12	0.23
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD11	12	0.23
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD13	12	0.23
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD22	12	0.23
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD21	12	0.23
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD23	12	0.23
(1,540)	1:B:16:SER:HA	1:B:15:GLU:H	5	0.23
(1,539)	1:A:16:SER:HA	1:A:15:GLU:H	5	0.23
(1,5292)	1:B:94:SER:H	1:B:96:LEU:HB3	18	0.23
(1,5292)	1:B:94:SER:H	1:B:96:LEU:HG	18	0.23
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB2	18	0.23
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB1	18	0.23
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB3	18	0.23
(1,5291)	1:A:94:SER:H	1:A:96:LEU:HB3	18	0.23
(1,5291)	1:A:94:SER:H	1:A:96:LEU:HG	18	0.23
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB2	18	0.23
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB1	18	0.23
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB3	18	0.23
(1,5058)	1:B:37:THR:HG21	1:B:33:THR:HG21	2	0.23
(1,5058)	1:B:37:THR:HG21	1:B:33:THR:HG22	2	0.23
(1,5058)	1:B:37:THR:HG21	1:B:33:THR:HG23	2	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5058)	1:B:37:THR:HG22	1:B:33:THR:HG21	2	0.23
(1,5058)	1:B:37:THR:HG22	1:B:33:THR:HG22	2	0.23
(1,5058)	1:B:37:THR:HG22	1:B:33:THR:HG23	2	0.23
(1,5058)	1:B:37:THR:HG23	1:B:33:THR:HG21	2	0.23
(1,5058)	1:B:37:THR:HG23	1:B:33:THR:HG22	2	0.23
(1,5058)	1:B:37:THR:HG23	1:B:33:THR:HG23	2	0.23
(1,5058)	1:B:45:THR:HG21	1:B:23:LYS:HG2	2	0.23
(1,5058)	1:B:45:THR:HG22	1:B:23:LYS:HG2	2	0.23
(1,5058)	1:B:45:THR:HG23	1:B:23:LYS:HG2	2	0.23
(1,5058)	1:B:45:THR:HG21	1:B:47:LEU:HG	2	0.23
(1,5058)	1:B:45:THR:HG22	1:B:47:LEU:HG	2	0.23
(1,5058)	1:B:45:THR:HG23	1:B:47:LEU:HG	2	0.23
(1,5058)	1:B:45:THR:HG21	1:A:10:THR:HG21	2	0.23
(1,5058)	1:B:45:THR:HG21	1:A:10:THR:HG22	2	0.23
(1,5058)	1:B:45:THR:HG21	1:A:10:THR:HG23	2	0.23
(1,5058)	1:B:45:THR:HG22	1:A:10:THR:HG21	2	0.23
(1,5058)	1:B:45:THR:HG22	1:A:10:THR:HG22	2	0.23
(1,5058)	1:B:45:THR:HG22	1:A:10:THR:HG23	2	0.23
(1,5058)	1:B:45:THR:HG23	1:A:10:THR:HG21	2	0.23
(1,5058)	1:B:45:THR:HG23	1:A:10:THR:HG22	2	0.23
(1,5058)	1:B:45:THR:HG23	1:A:10:THR:HG23	2	0.23
(1,5058)	1:B:37:THR:HG21	1:B:33:THR:HG21	8	0.23
(1,5058)	1:B:37:THR:HG21	1:B:33:THR:HG22	8	0.23
(1,5058)	1:B:37:THR:HG21	1:B:33:THR:HG23	8	0.23
(1,5058)	1:B:37:THR:HG22	1:B:33:THR:HG21	8	0.23
(1,5058)	1:B:37:THR:HG22	1:B:33:THR:HG22	8	0.23
(1,5058)	1:B:37:THR:HG22	1:B:33:THR:HG23	8	0.23
(1,5058)	1:B:37:THR:HG23	1:B:33:THR:HG21	8	0.23
(1,5058)	1:B:37:THR:HG23	1:B:33:THR:HG22	8	0.23
(1,5058)	1:B:37:THR:HG23	1:B:33:THR:HG23	8	0.23
(1,5058)	1:B:45:THR:HG21	1:B:23:LYS:HG2	8	0.23
(1,5058)	1:B:45:THR:HG22	1:B:23:LYS:HG2	8	0.23
(1,5058)	1:B:45:THR:HG23	1:B:23:LYS:HG2	8	0.23
(1,5058)	1:B:45:THR:HG21	1:B:47:LEU:HG	8	0.23
(1,5058)	1:B:45:THR:HG22	1:B:47:LEU:HG	8	0.23
(1,5058)	1:B:45:THR:HG23	1:B:47:LEU:HG	8	0.23
(1,5058)	1:B:45:THR:HG21	1:A:10:THR:HG21	8	0.23
(1,5058)	1:B:45:THR:HG21	1:A:10:THR:HG22	8	0.23
(1,5058)	1:B:45:THR:HG21	1:A:10:THR:HG23	8	0.23
(1,5058)	1:B:45:THR:HG22	1:A:10:THR:HG21	8	0.23
(1,5058)	1:B:45:THR:HG22	1:A:10:THR:HG22	8	0.23
(1,5058)	1:B:45:THR:HG22	1:A:10:THR:HG23	8	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5058)	1:B:45:THR:HG23	1:A:10:THR:HG21	8	0.23
(1,5058)	1:B:45:THR:HG23	1:A:10:THR:HG22	8	0.23
(1,5058)	1:B:45:THR:HG23	1:A:10:THR:HG23	8	0.23
(1,5057)	1:A:37:THR:HG21	1:A:33:THR:HG21	2	0.23
(1,5057)	1:A:37:THR:HG21	1:A:33:THR:HG22	2	0.23
(1,5057)	1:A:37:THR:HG21	1:A:33:THR:HG23	2	0.23
(1,5057)	1:A:37:THR:HG22	1:A:33:THR:HG21	2	0.23
(1,5057)	1:A:37:THR:HG22	1:A:33:THR:HG22	2	0.23
(1,5057)	1:A:37:THR:HG22	1:A:33:THR:HG23	2	0.23
(1,5057)	1:A:37:THR:HG23	1:A:33:THR:HG21	2	0.23
(1,5057)	1:A:37:THR:HG23	1:A:33:THR:HG22	2	0.23
(1,5057)	1:A:37:THR:HG23	1:A:33:THR:HG23	2	0.23
(1,5057)	1:A:45:THR:HG21	1:A:23:LYS:HG2	2	0.23
(1,5057)	1:A:45:THR:HG22	1:A:23:LYS:HG2	2	0.23
(1,5057)	1:A:45:THR:HG23	1:A:23:LYS:HG2	2	0.23
(1,5057)	1:A:45:THR:HG21	1:A:47:LEU:HG	2	0.23
(1,5057)	1:A:45:THR:HG22	1:A:47:LEU:HG	2	0.23
(1,5057)	1:A:45:THR:HG23	1:A:47:LEU:HG	2	0.23
(1,5057)	1:A:45:THR:HG21	1:B:10:THR:HG21	2	0.23
(1,5057)	1:A:45:THR:HG21	1:B:10:THR:HG22	2	0.23
(1,5057)	1:A:45:THR:HG21	1:B:10:THR:HG23	2	0.23
(1,5057)	1:A:45:THR:HG22	1:B:10:THR:HG21	2	0.23
(1,5057)	1:A:45:THR:HG22	1:B:10:THR:HG22	2	0.23
(1,5057)	1:A:45:THR:HG22	1:B:10:THR:HG23	2	0.23
(1,5057)	1:A:45:THR:HG23	1:B:10:THR:HG21	2	0.23
(1,5057)	1:A:45:THR:HG23	1:B:10:THR:HG22	2	0.23
(1,5057)	1:A:45:THR:HG23	1:B:10:THR:HG23	2	0.23
(1,5057)	1:A:37:THR:HG21	1:A:33:THR:HG21	8	0.23
(1,5057)	1:A:37:THR:HG21	1:A:33:THR:HG22	8	0.23
(1,5057)	1:A:37:THR:HG21	1:A:33:THR:HG23	8	0.23
(1,5057)	1:A:37:THR:HG22	1:A:33:THR:HG21	8	0.23
(1,5057)	1:A:37:THR:HG22	1:A:33:THR:HG22	8	0.23
(1,5057)	1:A:37:THR:HG22	1:A:33:THR:HG23	8	0.23
(1,5057)	1:A:37:THR:HG23	1:A:33:THR:HG21	8	0.23
(1,5057)	1:A:37:THR:HG23	1:A:33:THR:HG22	8	0.23
(1,5057)	1:A:37:THR:HG23	1:A:33:THR:HG23	8	0.23
(1,5057)	1:A:45:THR:HG21	1:A:23:LYS:HG2	8	0.23
(1,5057)	1:A:45:THR:HG22	1:A:23:LYS:HG2	8	0.23
(1,5057)	1:A:45:THR:HG23	1:A:23:LYS:HG2	8	0.23
(1,5057)	1:A:45:THR:HG21	1:A:47:LEU:HG	8	0.23
(1,5057)	1:A:45:THR:HG22	1:A:47:LEU:HG	8	0.23
(1,5057)	1:A:45:THR:HG23	1:A:47:LEU:HG	8	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5057)	1:A:45:THR:HG21	1:B:10:THR:HG21	8	0.23
(1,5057)	1:A:45:THR:HG21	1:B:10:THR:HG22	8	0.23
(1,5057)	1:A:45:THR:HG21	1:B:10:THR:HG23	8	0.23
(1,5057)	1:A:45:THR:HG22	1:B:10:THR:HG21	8	0.23
(1,5057)	1:A:45:THR:HG22	1:B:10:THR:HG22	8	0.23
(1,5057)	1:A:45:THR:HG22	1:B:10:THR:HG23	8	0.23
(1,5057)	1:A:45:THR:HG23	1:B:10:THR:HG21	8	0.23
(1,5057)	1:A:45:THR:HG23	1:B:10:THR:HG22	8	0.23
(1,5057)	1:A:45:THR:HG23	1:B:10:THR:HG23	8	0.23
(1,4826)	1:B:19:ALA:HB2	1:B:15:GLU:HB2	3	0.23
(1,4826)	1:B:19:ALA:HB2	1:B:15:GLU:HB3	3	0.23
(1,4826)	1:B:19:ALA:HB1	1:B:15:GLU:HB2	3	0.23
(1,4826)	1:B:19:ALA:HB1	1:B:15:GLU:HB3	3	0.23
(1,4826)	1:B:19:ALA:HB3	1:B:15:GLU:HB2	3	0.23
(1,4826)	1:B:19:ALA:HB3	1:B:15:GLU:HB3	3	0.23
(1,4826)	1:B:19:ALA:HB2	1:A:9:GLU:HB2	3	0.23
(1,4826)	1:B:19:ALA:HB2	1:A:9:GLU:HB3	3	0.23
(1,4826)	1:B:19:ALA:HB1	1:A:9:GLU:HB2	3	0.23
(1,4826)	1:B:19:ALA:HB1	1:A:9:GLU:HB3	3	0.23
(1,4826)	1:B:19:ALA:HB3	1:A:9:GLU:HB2	3	0.23
(1,4826)	1:B:19:ALA:HB3	1:A:9:GLU:HB3	3	0.23
(1,4826)	1:B:88:ALA:HB2	1:B:89:MET:HB2	3	0.23
(1,4826)	1:B:88:ALA:HB2	1:B:89:MET:HB3	3	0.23
(1,4826)	1:B:88:ALA:HB1	1:B:89:MET:HB2	3	0.23
(1,4826)	1:B:88:ALA:HB1	1:B:89:MET:HB3	3	0.23
(1,4826)	1:B:88:ALA:HB3	1:B:89:MET:HB2	3	0.23
(1,4826)	1:B:88:ALA:HB3	1:B:89:MET:HB3	3	0.23
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB2	3	0.23
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB1	3	0.23
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB3	3	0.23
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB2	3	0.23
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB1	3	0.23
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB3	3	0.23
(1,4826)	1:B:19:ALA:HB2	1:B:15:GLU:HB2	7	0.23
(1,4826)	1:B:19:ALA:HB2	1:B:15:GLU:HB3	7	0.23
(1,4826)	1:B:19:ALA:HB1	1:B:15:GLU:HB2	7	0.23
(1,4826)	1:B:19:ALA:HB1	1:B:15:GLU:HB3	7	0.23
(1,4826)	1:B:19:ALA:HB3	1:B:15:GLU:HB2	7	0.23
(1,4826)	1:B:19:ALA:HB3	1:B:15:GLU:HB3	7	0.23
(1,4826)	1:B:19:ALA:HB2	1:A:9:GLU:HB2	7	0.23
(1,4826)	1:B:19:ALA:HB2	1:A:9:GLU:HB3	7	0.23
(1,4826)	1:B:19:ALA:HB1	1:A:9:GLU:HB2	7	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4826)	1:B:19:ALA:HB1	1:A:9:GLU:HB3	7	0.23
(1,4826)	1:B:19:ALA:HB3	1:A:9:GLU:HB2	7	0.23
(1,4826)	1:B:19:ALA:HB3	1:A:9:GLU:HB3	7	0.23
(1,4826)	1:B:88:ALA:HB2	1:B:89:MET:HB2	7	0.23
(1,4826)	1:B:88:ALA:HB2	1:B:89:MET:HB3	7	0.23
(1,4826)	1:B:88:ALA:HB1	1:B:89:MET:HB2	7	0.23
(1,4826)	1:B:88:ALA:HB1	1:B:89:MET:HB3	7	0.23
(1,4826)	1:B:88:ALA:HB3	1:B:89:MET:HB2	7	0.23
(1,4826)	1:B:88:ALA:HB3	1:B:89:MET:HB3	7	0.23
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB2	7	0.23
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB1	7	0.23
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB3	7	0.23
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB2	7	0.23
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB1	7	0.23
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB3	7	0.23
(1,4826)	1:B:19:ALA:HB2	1:B:15:GLU:HB2	15	0.23
(1,4826)	1:B:19:ALA:HB2	1:B:15:GLU:HB3	15	0.23
(1,4826)	1:B:19:ALA:HB1	1:B:15:GLU:HB2	15	0.23
(1,4826)	1:B:19:ALA:HB1	1:B:15:GLU:HB3	15	0.23
(1,4826)	1:B:19:ALA:HB3	1:B:15:GLU:HB2	15	0.23
(1,4826)	1:B:19:ALA:HB3	1:B:15:GLU:HB3	15	0.23
(1,4826)	1:B:19:ALA:HB2	1:A:9:GLU:HB2	15	0.23
(1,4826)	1:B:19:ALA:HB2	1:A:9:GLU:HB3	15	0.23
(1,4826)	1:B:19:ALA:HB1	1:A:9:GLU:HB2	15	0.23
(1,4826)	1:B:19:ALA:HB1	1:A:9:GLU:HB3	15	0.23
(1,4826)	1:B:19:ALA:HB3	1:A:9:GLU:HB2	15	0.23
(1,4826)	1:B:19:ALA:HB3	1:A:9:GLU:HB3	15	0.23
(1,4826)	1:B:88:ALA:HB2	1:B:89:MET:HB2	15	0.23
(1,4826)	1:B:88:ALA:HB2	1:B:89:MET:HB3	15	0.23
(1,4826)	1:B:88:ALA:HB1	1:B:89:MET:HB2	15	0.23
(1,4826)	1:B:88:ALA:HB1	1:B:89:MET:HB3	15	0.23
(1,4826)	1:B:88:ALA:HB3	1:B:89:MET:HB2	15	0.23
(1,4826)	1:B:88:ALA:HB3	1:B:89:MET:HB3	15	0.23
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB2	15	0.23
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB1	15	0.23
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB3	15	0.23
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB2	15	0.23
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB1	15	0.23
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB3	15	0.23
(1,4825)	1:A:19:ALA:HB2	1:A:15:GLU:HB2	3	0.23
(1,4825)	1:A:19:ALA:HB2	1:A:15:GLU:HB3	3	0.23
(1,4825)	1:A:19:ALA:HB1	1:A:15:GLU:HB2	3	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4825)	1:A:19:ALA:HB1	1:A:15:GLU:HB3	3	0.23
(1,4825)	1:A:19:ALA:HB3	1:A:15:GLU:HB2	3	0.23
(1,4825)	1:A:19:ALA:HB3	1:A:15:GLU:HB3	3	0.23
(1,4825)	1:A:19:ALA:HB2	1:B:9:GLU:HB2	3	0.23
(1,4825)	1:A:19:ALA:HB2	1:B:9:GLU:HB3	3	0.23
(1,4825)	1:A:19:ALA:HB1	1:B:9:GLU:HB2	3	0.23
(1,4825)	1:A:19:ALA:HB1	1:B:9:GLU:HB3	3	0.23
(1,4825)	1:A:19:ALA:HB3	1:B:9:GLU:HB2	3	0.23
(1,4825)	1:A:19:ALA:HB3	1:B:9:GLU:HB3	3	0.23
(1,4825)	1:A:88:ALA:HB2	1:A:89:MET:HB2	3	0.23
(1,4825)	1:A:88:ALA:HB2	1:A:89:MET:HB3	3	0.23
(1,4825)	1:A:88:ALA:HB1	1:A:89:MET:HB2	3	0.23
(1,4825)	1:A:88:ALA:HB1	1:A:89:MET:HB3	3	0.23
(1,4825)	1:A:88:ALA:HB3	1:A:89:MET:HB2	3	0.23
(1,4825)	1:A:88:ALA:HB3	1:A:89:MET:HB3	3	0.23
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB2	3	0.23
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB1	3	0.23
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB3	3	0.23
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB2	3	0.23
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB1	3	0.23
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB3	3	0.23
(1,4825)	1:A:19:ALA:HB2	1:A:15:GLU:HB2	7	0.23
(1,4825)	1:A:19:ALA:HB2	1:A:15:GLU:HB3	7	0.23
(1,4825)	1:A:19:ALA:HB1	1:A:15:GLU:HB2	7	0.23
(1,4825)	1:A:19:ALA:HB1	1:A:15:GLU:HB3	7	0.23
(1,4825)	1:A:19:ALA:HB3	1:A:15:GLU:HB2	7	0.23
(1,4825)	1:A:19:ALA:HB3	1:A:15:GLU:HB3	7	0.23
(1,4825)	1:A:19:ALA:HB2	1:B:9:GLU:HB2	7	0.23
(1,4825)	1:A:19:ALA:HB2	1:B:9:GLU:HB3	7	0.23
(1,4825)	1:A:19:ALA:HB1	1:B:9:GLU:HB2	7	0.23
(1,4825)	1:A:19:ALA:HB1	1:B:9:GLU:HB3	7	0.23
(1,4825)	1:A:19:ALA:HB3	1:B:9:GLU:HB2	7	0.23
(1,4825)	1:A:19:ALA:HB3	1:B:9:GLU:HB3	7	0.23
(1,4825)	1:A:88:ALA:HB2	1:A:89:MET:HB2	7	0.23
(1,4825)	1:A:88:ALA:HB2	1:A:89:MET:HB3	7	0.23
(1,4825)	1:A:88:ALA:HB1	1:A:89:MET:HB2	7	0.23
(1,4825)	1:A:88:ALA:HB1	1:A:89:MET:HB3	7	0.23
(1,4825)	1:A:88:ALA:HB3	1:A:89:MET:HB2	7	0.23
(1,4825)	1:A:88:ALA:HB3	1:A:89:MET:HB3	7	0.23
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB2	7	0.23
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB1	7	0.23
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB3	7	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB2	7	0.23
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB1	7	0.23
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB3	7	0.23
(1,4825)	1:A:19:ALA:HB2	1:A:15:GLU:HB2	15	0.23
(1,4825)	1:A:19:ALA:HB2	1:A:15:GLU:HB3	15	0.23
(1,4825)	1:A:19:ALA:HB1	1:A:15:GLU:HB2	15	0.23
(1,4825)	1:A:19:ALA:HB1	1:A:15:GLU:HB3	15	0.23
(1,4825)	1:A:19:ALA:HB3	1:A:15:GLU:HB2	15	0.23
(1,4825)	1:A:19:ALA:HB3	1:A:15:GLU:HB3	15	0.23
(1,4825)	1:A:19:ALA:HB2	1:B:9:GLU:HB2	15	0.23
(1,4825)	1:A:19:ALA:HB2	1:B:9:GLU:HB3	15	0.23
(1,4825)	1:A:19:ALA:HB1	1:B:9:GLU:HB2	15	0.23
(1,4825)	1:A:19:ALA:HB1	1:B:9:GLU:HB3	15	0.23
(1,4825)	1:A:19:ALA:HB3	1:B:9:GLU:HB2	15	0.23
(1,4825)	1:A:19:ALA:HB3	1:B:9:GLU:HB3	15	0.23
(1,4825)	1:A:88:ALA:HB2	1:A:89:MET:HB2	15	0.23
(1,4825)	1:A:88:ALA:HB2	1:A:89:MET:HB3	15	0.23
(1,4825)	1:A:88:ALA:HB1	1:A:89:MET:HB2	15	0.23
(1,4825)	1:A:88:ALA:HB1	1:A:89:MET:HB3	15	0.23
(1,4825)	1:A:88:ALA:HB3	1:A:89:MET:HB2	15	0.23
(1,4825)	1:A:88:ALA:HB3	1:A:89:MET:HB3	15	0.23
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB2	15	0.23
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB1	15	0.23
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB3	15	0.23
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB2	15	0.23
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB1	15	0.23
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB3	15	0.23
(1,4782)	1:B:8:THR:HB	1:B:7:PRO:HG2	14	0.23
(1,4782)	1:B:8:THR:HB	1:B:7:PRO:HG3	14	0.23
(1,4782)	1:B:74:GLN:HA	1:B:40:LEU:HG	14	0.23
(1,4782)	1:B:8:THR:HB	1:B:7:PRO:HG2	17	0.23
(1,4782)	1:B:8:THR:HB	1:B:7:PRO:HG3	17	0.23
(1,4782)	1:B:74:GLN:HA	1:B:40:LEU:HG	17	0.23
(1,4781)	1:A:8:THR:HB	1:A:7:PRO:HG2	1	0.23
(1,4781)	1:A:8:THR:HB	1:A:7:PRO:HG3	1	0.23
(1,4781)	1:A:74:GLN:HA	1:A:40:LEU:HG	1	0.23
(1,4781)	1:A:8:THR:HB	1:A:7:PRO:HG2	11	0.23
(1,4781)	1:A:8:THR:HB	1:A:7:PRO:HG3	11	0.23
(1,4781)	1:A:74:GLN:HA	1:A:40:LEU:HG	11	0.23
(1,4654)	1:B:94:SER:HB2	1:B:99:VAL:HB	6	0.23
(1,4654)	1:B:94:SER:HB3	1:B:99:VAL:HB	6	0.23
(1,4654)	1:B:94:SER:HB2	1:B:100:PRO:HB3	6	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4654)	1:B:94:SER:HB3	1:B:100:PRO:HB3	6	0.23
(1,4654)	1:B:94:SER:HB2	1:B:100:PRO:HG2	6	0.23
(1,4654)	1:B:94:SER:HB3	1:B:100:PRO:HG2	6	0.23
(1,4654)	1:B:94:SER:HB2	1:B:100:PRO:HG3	6	0.23
(1,4654)	1:B:94:SER:HB3	1:B:100:PRO:HG3	6	0.23
(1,4654)	1:B:94:SER:HB2	1:A:11:GLU:HB2	6	0.23
(1,4654)	1:B:94:SER:HB2	1:A:11:GLU:HB3	6	0.23
(1,4654)	1:B:94:SER:HB3	1:A:11:GLU:HB2	6	0.23
(1,4654)	1:B:94:SER:HB3	1:A:11:GLU:HB3	6	0.23
(1,4654)	1:B:94:SER:HB2	1:A:14:ILE:HB	6	0.23
(1,4654)	1:B:94:SER:HB3	1:A:14:ILE:HB	6	0.23
(1,4654)	1:B:94:SER:HB2	1:A:22:GLN:HB2	6	0.23
(1,4654)	1:B:94:SER:HB2	1:A:22:GLN:HB3	6	0.23
(1,4654)	1:B:94:SER:HB3	1:A:22:GLN:HB2	6	0.23
(1,4654)	1:B:94:SER:HB3	1:A:22:GLN:HB3	6	0.23
(1,4654)	1:B:94:SER:HB2	1:B:99:VAL:HB	7	0.23
(1,4654)	1:B:94:SER:HB3	1:B:99:VAL:HB	7	0.23
(1,4654)	1:B:94:SER:HB2	1:B:100:PRO:HB3	7	0.23
(1,4654)	1:B:94:SER:HB3	1:B:100:PRO:HB3	7	0.23
(1,4654)	1:B:94:SER:HB2	1:B:100:PRO:HG2	7	0.23
(1,4654)	1:B:94:SER:HB3	1:B:100:PRO:HG2	7	0.23
(1,4654)	1:B:94:SER:HB2	1:B:100:PRO:HG3	7	0.23
(1,4654)	1:B:94:SER:HB3	1:B:100:PRO:HG3	7	0.23
(1,4654)	1:B:94:SER:HB2	1:A:11:GLU:HB2	7	0.23
(1,4654)	1:B:94:SER:HB2	1:A:11:GLU:HB3	7	0.23
(1,4654)	1:B:94:SER:HB3	1:A:11:GLU:HB2	7	0.23
(1,4654)	1:B:94:SER:HB3	1:A:11:GLU:HB3	7	0.23
(1,4654)	1:B:94:SER:HB2	1:A:14:ILE:HB	7	0.23
(1,4654)	1:B:94:SER:HB3	1:A:14:ILE:HB	7	0.23
(1,4654)	1:B:94:SER:HB2	1:A:22:GLN:HB2	7	0.23
(1,4654)	1:B:94:SER:HB2	1:A:22:GLN:HB3	7	0.23
(1,4654)	1:B:94:SER:HB3	1:A:22:GLN:HB2	7	0.23
(1,4654)	1:B:94:SER:HB3	1:A:22:GLN:HB3	7	0.23
(1,4653)	1:A:94:SER:HB2	1:A:99:VAL:HB	6	0.23
(1,4653)	1:A:94:SER:HB3	1:A:99:VAL:HB	6	0.23
(1,4653)	1:A:94:SER:HB2	1:A:100:PRO:HB3	6	0.23
(1,4653)	1:A:94:SER:HB3	1:A:100:PRO:HB3	6	0.23
(1,4653)	1:A:94:SER:HB2	1:A:100:PRO:HG2	6	0.23
(1,4653)	1:A:94:SER:HB3	1:A:100:PRO:HG2	6	0.23
(1,4653)	1:A:94:SER:HB2	1:A:100:PRO:HG3	6	0.23
(1,4653)	1:A:94:SER:HB3	1:A:100:PRO:HG3	6	0.23
(1,4653)	1:A:94:SER:HB2	1:B:11:GLU:HB2	6	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4653)	1:A:94:SER:HB2	1:B:11:GLU:HB3	6	0.23
(1,4653)	1:A:94:SER:HB3	1:B:11:GLU:HB2	6	0.23
(1,4653)	1:A:94:SER:HB3	1:B:11:GLU:HB3	6	0.23
(1,4653)	1:A:94:SER:HB2	1:B:14:ILE:HB	6	0.23
(1,4653)	1:A:94:SER:HB3	1:B:14:ILE:HB	6	0.23
(1,4653)	1:A:94:SER:HB2	1:B:22:GLN:HB2	6	0.23
(1,4653)	1:A:94:SER:HB2	1:B:22:GLN:HB3	6	0.23
(1,4653)	1:A:94:SER:HB3	1:B:22:GLN:HB2	6	0.23
(1,4653)	1:A:94:SER:HB3	1:B:22:GLN:HB3	6	0.23
(1,4618)	1:B:68:ASP:HA	1:B:74:GLN:HB3	17	0.23
(1,4618)	1:B:74:GLN:HB3	1:B:72:ASP:HA	17	0.23
(1,4617)	1:A:68:ASP:HA	1:A:74:GLN:HB3	17	0.23
(1,4617)	1:A:74:GLN:HB3	1:A:72:ASP:HA	17	0.23
(1,4334)	1:B:74:GLN:HB3	1:B:68:ASP:HB2	5	0.23
(1,4334)	1:B:18:ILE:HB	1:B:21:PHE:HB2	5	0.23
(1,4334)	1:B:64:MET:HB3	1:B:68:ASP:HB2	5	0.23
(1,4334)	1:B:68:ASP:HB2	1:B:67:LEU:HB2	5	0.23
(1,4334)	1:B:74:GLN:HB3	1:B:68:ASP:HB2	7	0.23
(1,4334)	1:B:18:ILE:HB	1:B:21:PHE:HB2	7	0.23
(1,4334)	1:B:64:MET:HB3	1:B:68:ASP:HB2	7	0.23
(1,4334)	1:B:68:ASP:HB2	1:B:67:LEU:HB2	7	0.23
(1,4334)	1:B:74:GLN:HB3	1:B:68:ASP:HB2	8	0.23
(1,4334)	1:B:18:ILE:HB	1:B:21:PHE:HB2	8	0.23
(1,4334)	1:B:64:MET:HB3	1:B:68:ASP:HB2	8	0.23
(1,4334)	1:B:68:ASP:HB2	1:B:67:LEU:HB2	8	0.23
(1,4333)	1:A:74:GLN:HB3	1:A:68:ASP:HB2	5	0.23
(1,4333)	1:A:18:ILE:HB	1:A:21:PHE:HB2	5	0.23
(1,4333)	1:A:64:MET:HB3	1:A:68:ASP:HB2	5	0.23
(1,4333)	1:A:68:ASP:HB2	1:A:67:LEU:HB2	5	0.23
(1,4333)	1:A:74:GLN:HB3	1:A:68:ASP:HB2	7	0.23
(1,4333)	1:A:18:ILE:HB	1:A:21:PHE:HB2	7	0.23
(1,4333)	1:A:64:MET:HB3	1:A:68:ASP:HB2	7	0.23
(1,4333)	1:A:68:ASP:HB2	1:A:67:LEU:HB2	7	0.23
(1,4333)	1:A:74:GLN:HB3	1:A:68:ASP:HB2	8	0.23
(1,4333)	1:A:18:ILE:HB	1:A:21:PHE:HB2	8	0.23
(1,4333)	1:A:64:MET:HB3	1:A:68:ASP:HB2	8	0.23
(1,4333)	1:A:68:ASP:HB2	1:A:67:LEU:HB2	8	0.23
(1,4333)	1:A:74:GLN:HB3	1:A:68:ASP:HB2	14	0.23
(1,4333)	1:A:18:ILE:HB	1:A:21:PHE:HB2	14	0.23
(1,4333)	1:A:64:MET:HB3	1:A:68:ASP:HB2	14	0.23
(1,4333)	1:A:68:ASP:HB2	1:A:67:LEU:HB2	14	0.23
(1,4316)	1:B:22:GLN:HA	1:B:19:ALA:HA	4	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4316)	1:B:25:ALA:HA	1:B:22:GLN:HA	4	0.23
(1,4316)	1:B:22:GLN:HA	1:B:26:GLY:HA2	4	0.23
(1,4316)	1:B:37:THR:HA	1:B:40:LEU:HA	4	0.23
(1,4316)	1:B:22:GLN:HA	1:B:19:ALA:HA	17	0.23
(1,4316)	1:B:25:ALA:HA	1:B:22:GLN:HA	17	0.23
(1,4316)	1:B:22:GLN:HA	1:B:26:GLY:HA2	17	0.23
(1,4316)	1:B:37:THR:HA	1:B:40:LEU:HA	17	0.23
(1,4315)	1:A:22:GLN:HA	1:A:19:ALA:HA	4	0.23
(1,4315)	1:A:25:ALA:HA	1:A:22:GLN:HA	4	0.23
(1,4315)	1:A:22:GLN:HA	1:A:26:GLY:HA2	4	0.23
(1,4315)	1:A:37:THR:HA	1:A:40:LEU:HA	4	0.23
(1,4315)	1:A:22:GLN:HA	1:A:19:ALA:HA	17	0.23
(1,4315)	1:A:25:ALA:HA	1:A:22:GLN:HA	17	0.23
(1,4315)	1:A:22:GLN:HA	1:A:26:GLY:HA2	17	0.23
(1,4315)	1:A:37:THR:HA	1:A:40:LEU:HA	17	0.23
(1,4244)	1:B:87:LEU:HB2	1:B:91:CYS:HA	2	0.23
(1,4244)	1:B:91:CYS:HA	1:B:97:LYS:HB2	2	0.23
(1,4244)	1:B:91:CYS:HA	1:B:97:LYS:HB3	2	0.23
(1,4244)	1:B:91:CYS:HA	1:B:97:LYS:HD2	2	0.23
(1,4244)	1:B:91:CYS:HA	1:B:97:LYS:HD3	2	0.23
(1,4244)	1:B:91:CYS:HA	1:A:18:ILE:HB	2	0.23
(1,4243)	1:A:87:LEU:HB2	1:A:91:CYS:HA	2	0.23
(1,4243)	1:A:91:CYS:HA	1:A:97:LYS:HB2	2	0.23
(1,4243)	1:A:91:CYS:HA	1:A:97:LYS:HB3	2	0.23
(1,4243)	1:A:91:CYS:HA	1:A:97:LYS:HD2	2	0.23
(1,4243)	1:A:91:CYS:HA	1:A:97:LYS:HD3	2	0.23
(1,4243)	1:A:91:CYS:HA	1:B:18:ILE:HB	2	0.23
(1,4172)	1:B:24:TYR:HB2	1:B:27:LYS:HD2	9	0.23
(1,4172)	1:B:24:TYR:HB2	1:B:27:LYS:HD3	9	0.23
(1,4172)	1:B:44:ASN:HB2	1:B:43:MET:HB2	9	0.23
(1,4172)	1:B:44:ASN:HB2	1:B:43:MET:HB3	9	0.23
(1,4171)	1:A:24:TYR:HB2	1:A:27:LYS:HD2	9	0.23
(1,4171)	1:A:24:TYR:HB2	1:A:27:LYS:HD3	9	0.23
(1,4171)	1:A:44:ASN:HB2	1:A:43:MET:HB2	9	0.23
(1,4171)	1:A:44:ASN:HB2	1:A:43:MET:HB3	9	0.23
(1,4104)	1:B:42:PHE:HA	1:B:20:VAL:HB	9	0.23
(1,4104)	1:B:42:PHE:HA	1:B:38:GLU:HB2	9	0.23
(1,4103)	1:A:42:PHE:HA	1:A:20:VAL:HB	9	0.23
(1,4103)	1:A:42:PHE:HA	1:A:38:GLU:HB2	9	0.23
(1,4066)	1:B:44:ASN:HB3	1:B:40:LEU:HD12	3	0.23
(1,4066)	1:B:44:ASN:HB3	1:B:40:LEU:HD11	3	0.23
(1,4066)	1:B:44:ASN:HB3	1:B:40:LEU:HD13	3	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD22	3	0.23
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD21	3	0.23
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD23	3	0.23
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD12	3	0.23
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD11	3	0.23
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD13	3	0.23
(1,4065)	1:A:44:ASN:HB3	1:A:40:LEU:HD12	3	0.23
(1,4065)	1:A:44:ASN:HB3	1:A:40:LEU:HD11	3	0.23
(1,4065)	1:A:44:ASN:HB3	1:A:40:LEU:HD13	3	0.23
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD22	3	0.23
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD21	3	0.23
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD23	3	0.23
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD12	3	0.23
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD11	3	0.23
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD13	3	0.23
(1,4052)	1:B:58:GLY:HA3	1:B:57:PRO:HB3	6	0.23
(1,4052)	1:B:58:GLY:HA3	1:B:57:PRO:HG2	6	0.23
(1,4052)	1:B:58:GLY:HA3	1:B:57:PRO:HG3	6	0.23
(1,4051)	1:A:58:GLY:HA3	1:A:57:PRO:HB3	6	0.23
(1,4051)	1:A:58:GLY:HA3	1:A:57:PRO:HG2	6	0.23
(1,4051)	1:A:58:GLY:HA3	1:A:57:PRO:HG3	6	0.23
(1,4030)	1:B:73:GLY:HA3	1:B:36:LYS:HD2	17	0.23
(1,4030)	1:B:73:GLY:HA3	1:B:36:LYS:HD3	17	0.23
(1,4030)	1:B:73:GLY:HA3	1:B:74:GLN:HB3	17	0.23
(1,4029)	1:A:73:GLY:HA3	1:A:36:LYS:HD2	17	0.23
(1,4029)	1:A:73:GLY:HA3	1:A:36:LYS:HD3	17	0.23
(1,4029)	1:A:73:GLY:HA3	1:A:74:GLN:HB3	17	0.23
(1,4012)	1:B:81:LEU:HD22	1:A:89:MET:HG3	20	0.23
(1,4012)	1:B:81:LEU:HD21	1:A:89:MET:HG3	20	0.23
(1,4012)	1:B:81:LEU:HD23	1:A:89:MET:HG3	20	0.23
(1,4012)	1:B:81:LEU:HD22	1:B:21:PHE:HB3	20	0.23
(1,4012)	1:B:81:LEU:HD21	1:B:21:PHE:HB3	20	0.23
(1,4012)	1:B:81:LEU:HD23	1:B:21:PHE:HB3	20	0.23
(1,4011)	1:A:81:LEU:HD22	1:B:89:MET:HG3	19	0.23
(1,4011)	1:A:81:LEU:HD21	1:B:89:MET:HG3	19	0.23
(1,4011)	1:A:81:LEU:HD23	1:B:89:MET:HG3	19	0.23
(1,4011)	1:A:81:LEU:HD22	1:A:21:PHE:HB3	19	0.23
(1,4011)	1:A:81:LEU:HD21	1:A:21:PHE:HB3	19	0.23
(1,4011)	1:A:81:LEU:HD23	1:A:21:PHE:HB3	19	0.23
(1,4011)	1:A:81:LEU:HD22	1:B:89:MET:HG3	20	0.23
(1,4011)	1:A:81:LEU:HD21	1:B:89:MET:HG3	20	0.23
(1,4011)	1:A:81:LEU:HD23	1:B:89:MET:HG3	20	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4011)	1:A:81:LEU:HD22	1:A:21:PHE:HB3	20	0.23
(1,4011)	1:A:81:LEU:HD21	1:A:21:PHE:HB3	20	0.23
(1,4011)	1:A:81:LEU:HD23	1:A:21:PHE:HB3	20	0.23
(1,3938)	1:B:39:PHE:HB2	1:B:36:LYS:HG2	12	0.23
(1,3938)	1:B:39:PHE:HB2	1:B:36:LYS:HG3	12	0.23
(1,3938)	1:B:65:LYS:HG2	1:B:64:MET:HA	12	0.23
(1,3938)	1:B:65:LYS:HG3	1:B:64:MET:HA	12	0.23
(1,3937)	1:A:39:PHE:HB2	1:A:36:LYS:HG2	12	0.23
(1,3937)	1:A:39:PHE:HB2	1:A:36:LYS:HG3	12	0.23
(1,3937)	1:A:65:LYS:HG2	1:A:64:MET:HA	12	0.23
(1,3937)	1:A:65:LYS:HG3	1:A:64:MET:HA	12	0.23
(1,3936)	1:B:82:ASN:HB3	1:B:66:LYS:HD2	1	0.23
(1,3936)	1:B:82:ASN:HB3	1:B:66:LYS:HD3	1	0.23
(1,3936)	1:B:82:ASN:HB3	1:B:67:LEU:HB2	1	0.23
(1,3936)	1:B:82:ASN:HB3	1:B:83:LEU:HB3	1	0.23
(1,3936)	1:B:82:ASN:HB3	1:B:66:LYS:HD2	7	0.23
(1,3936)	1:B:82:ASN:HB3	1:B:66:LYS:HD3	7	0.23
(1,3936)	1:B:82:ASN:HB3	1:B:67:LEU:HB2	7	0.23
(1,3936)	1:B:82:ASN:HB3	1:B:83:LEU:HB3	7	0.23
(1,3935)	1:A:82:ASN:HB3	1:A:66:LYS:HD2	1	0.23
(1,3935)	1:A:82:ASN:HB3	1:A:66:LYS:HD3	1	0.23
(1,3935)	1:A:82:ASN:HB3	1:A:67:LEU:HB2	1	0.23
(1,3935)	1:A:82:ASN:HB3	1:A:83:LEU:HB3	1	0.23
(1,3935)	1:A:82:ASN:HB3	1:A:66:LYS:HD2	7	0.23
(1,3935)	1:A:82:ASN:HB3	1:A:66:LYS:HD3	7	0.23
(1,3935)	1:A:82:ASN:HB3	1:A:67:LEU:HB2	7	0.23
(1,3935)	1:A:82:ASN:HB3	1:A:83:LEU:HB3	7	0.23
(1,3904)	1:B:57:PRO:HA	1:B:51:THR:HA	16	0.23
(1,3904)	1:B:57:PRO:HA	1:B:59:VAL:HA	16	0.23
(1,3903)	1:A:57:PRO:HA	1:A:51:THR:HA	16	0.23
(1,3903)	1:A:57:PRO:HA	1:A:59:VAL:HA	16	0.23
(1,3898)	1:B:10:THR:HA	1:B:11:GLU:HB2	4	0.23
(1,3898)	1:B:10:THR:HA	1:B:11:GLU:HB3	4	0.23
(1,3898)	1:B:10:THR:HA	1:B:12:ARG:HB2	4	0.23
(1,3898)	1:B:10:THR:HA	1:B:12:ARG:HB3	4	0.23
(1,3898)	1:B:10:THR:HA	1:B:14:ILE:HB	4	0.23
(1,3897)	1:A:10:THR:HA	1:A:11:GLU:HB2	4	0.23
(1,3897)	1:A:10:THR:HA	1:A:11:GLU:HB3	4	0.23
(1,3897)	1:A:10:THR:HA	1:A:12:ARG:HB2	4	0.23
(1,3897)	1:A:10:THR:HA	1:A:12:ARG:HB3	4	0.23
(1,3897)	1:A:10:THR:HA	1:A:14:ILE:HB	4	0.23
(1,3736)	1:B:37:THR:HB	1:B:35:SER:HA	1	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3736)	1:B:51:THR:HB	1:B:53:ASN:HA	1	0.23
(1,3736)	1:B:37:THR:HB	1:B:35:SER:HA	4	0.23
(1,3736)	1:B:51:THR:HB	1:B:53:ASN:HA	4	0.23
(1,3736)	1:B:37:THR:HB	1:B:35:SER:HA	16	0.23
(1,3736)	1:B:51:THR:HB	1:B:53:ASN:HA	16	0.23
(1,3735)	1:A:37:THR:HB	1:A:35:SER:HA	1	0.23
(1,3735)	1:A:51:THR:HB	1:A:53:ASN:HA	1	0.23
(1,3735)	1:A:37:THR:HB	1:A:35:SER:HA	4	0.23
(1,3735)	1:A:51:THR:HB	1:A:53:ASN:HA	4	0.23
(1,3735)	1:A:37:THR:HB	1:A:35:SER:HA	10	0.23
(1,3735)	1:A:51:THR:HB	1:A:53:ASN:HA	10	0.23
(1,3735)	1:A:37:THR:HB	1:A:35:SER:HA	20	0.23
(1,3735)	1:A:51:THR:HB	1:A:53:ASN:HA	20	0.23
(1,3702)	1:B:27:LYS:HD2	1:B:28:ASP:HB3	11	0.23
(1,3702)	1:B:27:LYS:HD3	1:B:28:ASP:HB3	11	0.23
(1,3702)	1:B:27:LYS:HD2	1:B:42:PHE:HB3	11	0.23
(1,3702)	1:B:27:LYS:HD3	1:B:42:PHE:HB3	11	0.23
(1,3702)	1:B:52:LYS:HD2	1:B:44:ASN:HB3	11	0.23
(1,3702)	1:B:52:LYS:HD3	1:B:44:ASN:HB3	11	0.23
(1,3702)	1:B:97:LYS:HD2	1:B:93:ASP:HB3	11	0.23
(1,3702)	1:B:97:LYS:HD3	1:B:93:ASP:HB3	11	0.23
(1,3701)	1:A:27:LYS:HD2	1:A:28:ASP:HB3	11	0.23
(1,3701)	1:A:27:LYS:HD3	1:A:28:ASP:HB3	11	0.23
(1,3701)	1:A:27:LYS:HD2	1:A:42:PHE:HB3	11	0.23
(1,3701)	1:A:27:LYS:HD3	1:A:42:PHE:HB3	11	0.23
(1,3701)	1:A:52:LYS:HD2	1:A:44:ASN:HB3	11	0.23
(1,3701)	1:A:52:LYS:HD3	1:A:44:ASN:HB3	11	0.23
(1,3701)	1:A:97:LYS:HD2	1:A:93:ASP:HB3	11	0.23
(1,3701)	1:A:97:LYS:HD3	1:A:93:ASP:HB3	11	0.23
(1,3670)	1:B:69:THR:HA	1:B:70:ASN:HB2	2	0.23
(1,3670)	1:B:70:ASN:HB2	1:B:71:SER:HA	2	0.23
(1,3670)	1:B:69:THR:HA	1:B:70:ASN:HB2	8	0.23
(1,3670)	1:B:70:ASN:HB2	1:B:71:SER:HA	8	0.23
(1,3669)	1:A:69:THR:HA	1:A:70:ASN:HB2	2	0.23
(1,3669)	1:A:70:ASN:HB2	1:A:71:SER:HA	2	0.23
(1,3669)	1:A:69:THR:HA	1:A:70:ASN:HB2	8	0.23
(1,3669)	1:A:70:ASN:HB2	1:A:71:SER:HA	8	0.23
(1,3508)	1:B:46:GLU:HB3	1:B:45:THR:HA	18	0.23
(1,3508)	1:B:46:GLU:HB3	1:B:45:THR:HB	18	0.23
(1,3507)	1:A:46:GLU:HB3	1:A:45:THR:HA	18	0.23
(1,3507)	1:A:46:GLU:HB3	1:A:45:THR:HB	18	0.23
(1,3474)	1:B:11:GLU:H	1:B:17:LEU:HG	14	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3474)	1:B:17:LEU:HG	1:B:21:PHE:H	14	0.23
(1,3474)	1:B:17:LEU:HG	1:A:11:GLU:H	14	0.23
(1,3473)	1:A:11:GLU:H	1:A:17:LEU:HG	14	0.23
(1,3473)	1:A:17:LEU:HG	1:A:21:PHE:H	14	0.23
(1,3473)	1:A:17:LEU:HG	1:B:11:GLU:H	14	0.23
(1,3458)	1:B:11:GLU:HA	1:B:12:ARG:HD2	5	0.23
(1,3458)	1:B:11:GLU:HA	1:B:12:ARG:HD3	5	0.23
(1,3458)	1:B:11:GLU:HA	1:A:50:PHE:HB2	5	0.23
(1,3458)	1:B:11:GLU:HA	1:A:50:PHE:HB3	5	0.23
(1,3390)	1:B:17:LEU:HD22	1:A:14:ILE:HD12	16	0.23
(1,3390)	1:B:17:LEU:HD22	1:A:14:ILE:HD11	16	0.23
(1,3390)	1:B:17:LEU:HD22	1:A:14:ILE:HD13	16	0.23
(1,3390)	1:B:17:LEU:HD21	1:A:14:ILE:HD12	16	0.23
(1,3390)	1:B:17:LEU:HD21	1:A:14:ILE:HD11	16	0.23
(1,3390)	1:B:17:LEU:HD21	1:A:14:ILE:HD13	16	0.23
(1,3390)	1:B:17:LEU:HD23	1:A:14:ILE:HD12	16	0.23
(1,3390)	1:B:17:LEU:HD23	1:A:14:ILE:HD11	16	0.23
(1,3390)	1:B:17:LEU:HD23	1:A:14:ILE:HD13	16	0.23
(1,3390)	1:B:17:LEU:HD22	1:A:17:LEU:HD12	16	0.23
(1,3390)	1:B:17:LEU:HD22	1:A:17:LEU:HD11	16	0.23
(1,3390)	1:B:17:LEU:HD22	1:A:17:LEU:HD13	16	0.23
(1,3390)	1:B:17:LEU:HD21	1:A:17:LEU:HD12	16	0.23
(1,3390)	1:B:17:LEU:HD21	1:A:17:LEU:HD11	16	0.23
(1,3390)	1:B:17:LEU:HD21	1:A:17:LEU:HD13	16	0.23
(1,3390)	1:B:17:LEU:HD23	1:A:17:LEU:HD12	16	0.23
(1,3390)	1:B:17:LEU:HD23	1:A:17:LEU:HD11	16	0.23
(1,3390)	1:B:17:LEU:HD23	1:A:17:LEU:HD13	16	0.23
(1,3389)	1:A:17:LEU:HD22	1:B:14:ILE:HD12	16	0.23
(1,3389)	1:A:17:LEU:HD22	1:B:14:ILE:HD11	16	0.23
(1,3389)	1:A:17:LEU:HD22	1:B:14:ILE:HD13	16	0.23
(1,3389)	1:A:17:LEU:HD21	1:B:14:ILE:HD12	16	0.23
(1,3389)	1:A:17:LEU:HD21	1:B:14:ILE:HD11	16	0.23
(1,3389)	1:A:17:LEU:HD21	1:B:14:ILE:HD13	16	0.23
(1,3389)	1:A:17:LEU:HD23	1:B:14:ILE:HD12	16	0.23
(1,3389)	1:A:17:LEU:HD23	1:B:14:ILE:HD11	16	0.23
(1,3389)	1:A:17:LEU:HD23	1:B:14:ILE:HD13	16	0.23
(1,3389)	1:A:17:LEU:HD22	1:B:17:LEU:HD12	16	0.23
(1,3389)	1:A:17:LEU:HD22	1:B:17:LEU:HD11	16	0.23
(1,3389)	1:A:17:LEU:HD22	1:B:17:LEU:HD13	16	0.23
(1,3389)	1:A:17:LEU:HD21	1:B:17:LEU:HD12	16	0.23
(1,3389)	1:A:17:LEU:HD21	1:B:17:LEU:HD11	16	0.23
(1,3389)	1:A:17:LEU:HD21	1:B:17:LEU:HD13	16	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3389)	1:A:17:LEU:HD23	1:B:17:LEU:HD12	16	0.23
(1,3389)	1:A:17:LEU:HD23	1:B:17:LEU:HD11	16	0.23
(1,3389)	1:A:17:LEU:HD23	1:B:17:LEU:HD13	16	0.23
(1,3368)	1:B:10:THR:HG21	1:A:17:LEU:HD22	13	0.23
(1,3368)	1:B:10:THR:HG21	1:A:17:LEU:HD21	13	0.23
(1,3368)	1:B:10:THR:HG21	1:A:17:LEU:HD23	13	0.23
(1,3368)	1:B:10:THR:HG22	1:A:17:LEU:HD22	13	0.23
(1,3368)	1:B:10:THR:HG22	1:A:17:LEU:HD21	13	0.23
(1,3368)	1:B:10:THR:HG22	1:A:17:LEU:HD23	13	0.23
(1,3368)	1:B:10:THR:HG23	1:A:17:LEU:HD22	13	0.23
(1,3368)	1:B:10:THR:HG23	1:A:17:LEU:HD21	13	0.23
(1,3368)	1:B:10:THR:HG23	1:A:17:LEU:HD23	13	0.23
(1,3368)	1:B:10:THR:HG21	1:A:46:GLU:HB3	13	0.23
(1,3368)	1:B:10:THR:HG22	1:A:46:GLU:HB3	13	0.23
(1,3368)	1:B:10:THR:HG23	1:A:46:GLU:HB3	13	0.23
(1,3367)	1:A:10:THR:HG21	1:B:17:LEU:HD22	13	0.23
(1,3367)	1:A:10:THR:HG21	1:B:17:LEU:HD21	13	0.23
(1,3367)	1:A:10:THR:HG21	1:B:17:LEU:HD23	13	0.23
(1,3367)	1:A:10:THR:HG22	1:B:17:LEU:HD22	13	0.23
(1,3367)	1:A:10:THR:HG22	1:B:17:LEU:HD21	13	0.23
(1,3367)	1:A:10:THR:HG22	1:B:17:LEU:HD23	13	0.23
(1,3367)	1:A:10:THR:HG23	1:B:17:LEU:HD22	13	0.23
(1,3367)	1:A:10:THR:HG23	1:B:17:LEU:HD21	13	0.23
(1,3367)	1:A:10:THR:HG23	1:B:17:LEU:HD23	13	0.23
(1,3367)	1:A:10:THR:HG21	1:B:46:GLU:HB3	13	0.23
(1,3367)	1:A:10:THR:HG22	1:B:46:GLU:HB3	13	0.23
(1,3367)	1:A:10:THR:HG23	1:B:46:GLU:HB3	13	0.23
(1,285)	1:A:75:LEU:HB3	1:A:39:PHE:HB3	11	0.23
(1,268)	1:B:75:LEU:HB3	1:B:39:PHE:HB3	20	0.23
(1,2630)	1:B:69:THR:H	1:B:67:LEU:HB2	11	0.23
(1,2629)	1:A:69:THR:H	1:A:67:LEU:HB2	11	0.23
(1,2629)	1:A:69:THR:H	1:A:67:LEU:HB2	14	0.23
(1,2000)	1:B:33:THR:HG21	1:B:76:ASP:HB3	4	0.23
(1,2000)	1:B:33:THR:HG22	1:B:76:ASP:HB3	4	0.23
(1,2000)	1:B:33:THR:HG23	1:B:76:ASP:HB3	4	0.23
(1,1608)	1:B:47:LEU:HB2	1:B:50:PHE:HB2	7	0.23
(1,1608)	1:B:47:LEU:HB2	1:B:50:PHE:HB3	7	0.23
(1,1238)	1:B:62:ARG:HB3	1:B:59:VAL:HA	2	0.23
(1,1238)	1:B:62:ARG:HB3	1:B:59:VAL:HA	18	0.23
(1,1237)	1:A:62:ARG:HB3	1:A:59:VAL:HA	18	0.23
(2,92)	1:B:44:ASN:HB3	1:B:47:LEU:H	2	0.22
(2,58)	1:B:8:THR:HB	1:A:45:THR:HB	20	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,57)	1:A:8:THR:HB	1:B:45:THR:HB	20	0.22
(2,124)	1:B:44:ASN:HB2	1:B:48:ALA:H	6	0.22
(2,124)	1:B:44:ASN:HB2	1:B:48:ALA:H	14	0.22
(2,123)	1:A:44:ASN:HB2	1:A:48:ALA:H	6	0.22
(1,986)	1:B:61:ASP:H	1:B:58:GLY:HA3	1	0.22
(1,934)	1:B:97:LYS:HA	1:B:97:LYS:HE2	13	0.22
(1,934)	1:B:97:LYS:HA	1:B:97:LYS:HE3	13	0.22
(1,933)	1:A:97:LYS:HA	1:A:97:LYS:HE2	13	0.22
(1,933)	1:A:97:LYS:HA	1:A:97:LYS:HE3	13	0.22
(1,715)	1:A:76:ASP:HA	1:A:77:PHE:HB2	6	0.22
(1,686)	1:B:84:ILE:HB	1:B:83:LEU:HG	17	0.22
(1,685)	1:A:84:ILE:HB	1:A:83:LEU:HG	17	0.22
(1,622)	1:B:63:MET:H	1:B:62:ARG:HG2	4	0.22
(1,622)	1:B:63:MET:H	1:B:62:ARG:HG2	12	0.22
(1,621)	1:A:63:MET:H	1:A:62:ARG:HG2	4	0.22
(1,621)	1:A:63:MET:H	1:A:62:ARG:HG2	12	0.22
(1,621)	1:A:63:MET:H	1:A:62:ARG:HG2	13	0.22
(1,621)	1:A:63:MET:H	1:A:62:ARG:HG2	18	0.22
(1,610)	1:B:63:MET:H	1:B:62:ARG:HG2	3	0.22
(1,610)	1:B:63:MET:H	1:B:62:ARG:HG2	14	0.22
(1,609)	1:A:63:MET:H	1:A:62:ARG:HG2	3	0.22
(1,609)	1:A:63:MET:H	1:A:62:ARG:HG2	14	0.22
(1,5622)	1:B:47:LEU:H	1:B:45:THR:HG21	9	0.22
(1,5622)	1:B:47:LEU:H	1:B:45:THR:HG22	9	0.22
(1,5622)	1:B:47:LEU:H	1:B:45:THR:HG23	9	0.22
(1,5622)	1:B:47:LEU:H	1:B:48:ALA:HB2	9	0.22
(1,5622)	1:B:47:LEU:H	1:B:48:ALA:HB1	9	0.22
(1,5622)	1:B:47:LEU:H	1:B:48:ALA:HB3	9	0.22
(1,5621)	1:A:47:LEU:H	1:A:45:THR:HG21	4	0.22
(1,5621)	1:A:47:LEU:H	1:A:45:THR:HG22	4	0.22
(1,5621)	1:A:47:LEU:H	1:A:45:THR:HG23	4	0.22
(1,5621)	1:A:47:LEU:H	1:A:48:ALA:HB2	4	0.22
(1,5621)	1:A:47:LEU:H	1:A:48:ALA:HB1	4	0.22
(1,5621)	1:A:47:LEU:H	1:A:48:ALA:HB3	4	0.22
(1,5621)	1:A:47:LEU:H	1:A:45:THR:HG21	9	0.22
(1,5621)	1:A:47:LEU:H	1:A:45:THR:HG22	9	0.22
(1,5621)	1:A:47:LEU:H	1:A:45:THR:HG23	9	0.22
(1,5621)	1:A:47:LEU:H	1:A:48:ALA:HB2	9	0.22
(1,5621)	1:A:47:LEU:H	1:A:48:ALA:HB1	9	0.22
(1,5621)	1:A:47:LEU:H	1:A:48:ALA:HB3	9	0.22
(1,5462)	1:B:45:THR:H	1:B:46:GLU:HB3	2	0.22
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG21	2	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG22	2	0.22
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG23	2	0.22
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD12	2	0.22
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD11	2	0.22
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD13	2	0.22
(1,5461)	1:A:45:THR:H	1:A:46:GLU:HB3	2	0.22
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG21	2	0.22
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG22	2	0.22
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG23	2	0.22
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD12	2	0.22
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD11	2	0.22
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD13	2	0.22
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG22	5	0.22
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG21	5	0.22
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG23	5	0.22
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD12	5	0.22
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD11	5	0.22
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD13	5	0.22
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD22	5	0.22
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD21	5	0.22
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD23	5	0.22
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG22	6	0.22
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG21	6	0.22
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG23	6	0.22
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD12	6	0.22
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD11	6	0.22
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD13	6	0.22
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD22	6	0.22
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD21	6	0.22
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD23	6	0.22
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG22	5	0.22
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG21	5	0.22
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG23	5	0.22
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD12	5	0.22
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD11	5	0.22
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD13	5	0.22
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD22	5	0.22
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD21	5	0.22
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD23	5	0.22
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG22	6	0.22
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG21	6	0.22
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG23	6	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD12	6	0.22
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD11	6	0.22
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD13	6	0.22
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD22	6	0.22
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD21	6	0.22
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD23	6	0.22
(1,540)	1:B:16:SER:HA	1:B:15:GLU:H	13	0.22
(1,540)	1:B:16:SER:HA	1:B:15:GLU:H	16	0.22
(1,540)	1:B:16:SER:HA	1:B:15:GLU:H	17	0.22
(1,539)	1:A:16:SER:HA	1:A:15:GLU:H	16	0.22
(1,539)	1:A:16:SER:HA	1:A:15:GLU:H	17	0.22
(1,5300)	1:B:26:GLY:H	1:B:23:LYS:HD2	5	0.22
(1,5300)	1:B:26:GLY:H	1:B:23:LYS:HD3	5	0.22
(1,5300)	1:B:26:GLY:H	1:B:34:LEU:HB3	5	0.22
(1,5299)	1:A:26:GLY:H	1:A:23:LYS:HD2	5	0.22
(1,5299)	1:A:26:GLY:H	1:A:23:LYS:HD3	5	0.22
(1,5299)	1:A:26:GLY:H	1:A:34:LEU:HB3	5	0.22
(1,5298)	1:B:26:GLY:H	1:B:23:LYS:HD2	5	0.22
(1,5298)	1:B:26:GLY:H	1:B:23:LYS:HD3	5	0.22
(1,5298)	1:B:26:GLY:H	1:B:34:LEU:HB3	5	0.22
(1,5297)	1:A:26:GLY:H	1:A:23:LYS:HD2	5	0.22
(1,5297)	1:A:26:GLY:H	1:A:23:LYS:HD3	5	0.22
(1,5297)	1:A:26:GLY:H	1:A:34:LEU:HB3	5	0.22
(1,5058)	1:B:37:THR:HG21	1:B:33:THR:HG21	10	0.22
(1,5058)	1:B:37:THR:HG21	1:B:33:THR:HG22	10	0.22
(1,5058)	1:B:37:THR:HG21	1:B:33:THR:HG23	10	0.22
(1,5058)	1:B:37:THR:HG22	1:B:33:THR:HG21	10	0.22
(1,5058)	1:B:37:THR:HG22	1:B:33:THR:HG22	10	0.22
(1,5058)	1:B:37:THR:HG22	1:B:33:THR:HG23	10	0.22
(1,5058)	1:B:37:THR:HG23	1:B:33:THR:HG21	10	0.22
(1,5058)	1:B:37:THR:HG23	1:B:33:THR:HG22	10	0.22
(1,5058)	1:B:37:THR:HG23	1:B:33:THR:HG23	10	0.22
(1,5058)	1:B:45:THR:HG21	1:B:23:LYS:HG2	10	0.22
(1,5058)	1:B:45:THR:HG22	1:B:23:LYS:HG2	10	0.22
(1,5058)	1:B:45:THR:HG23	1:B:23:LYS:HG2	10	0.22
(1,5058)	1:B:45:THR:HG21	1:B:47:LEU:HG	10	0.22
(1,5058)	1:B:45:THR:HG22	1:B:47:LEU:HG	10	0.22
(1,5058)	1:B:45:THR:HG23	1:B:47:LEU:HG	10	0.22
(1,5058)	1:B:45:THR:HG21	1:A:10:THR:HG21	10	0.22
(1,5058)	1:B:45:THR:HG21	1:A:10:THR:HG22	10	0.22
(1,5058)	1:B:45:THR:HG21	1:A:10:THR:HG23	10	0.22
(1,5058)	1:B:45:THR:HG22	1:A:10:THR:HG21	10	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5058)	1:B:45:THR:HG22	1:A:10:THR:HG22	10	0.22
(1,5058)	1:B:45:THR:HG22	1:A:10:THR:HG23	10	0.22
(1,5058)	1:B:45:THR:HG23	1:A:10:THR:HG21	10	0.22
(1,5058)	1:B:45:THR:HG23	1:A:10:THR:HG22	10	0.22
(1,5058)	1:B:45:THR:HG23	1:A:10:THR:HG23	10	0.22
(1,5058)	1:B:37:THR:HG21	1:B:33:THR:HG21	17	0.22
(1,5058)	1:B:37:THR:HG21	1:B:33:THR:HG22	17	0.22
(1,5058)	1:B:37:THR:HG21	1:B:33:THR:HG23	17	0.22
(1,5058)	1:B:37:THR:HG22	1:B:33:THR:HG21	17	0.22
(1,5058)	1:B:37:THR:HG22	1:B:33:THR:HG22	17	0.22
(1,5058)	1:B:37:THR:HG22	1:B:33:THR:HG23	17	0.22
(1,5058)	1:B:37:THR:HG23	1:B:33:THR:HG21	17	0.22
(1,5058)	1:B:37:THR:HG23	1:B:33:THR:HG22	17	0.22
(1,5058)	1:B:37:THR:HG23	1:B:33:THR:HG23	17	0.22
(1,5058)	1:B:45:THR:HG21	1:B:23:LYS:HG2	17	0.22
(1,5058)	1:B:45:THR:HG22	1:B:23:LYS:HG2	17	0.22
(1,5058)	1:B:45:THR:HG23	1:B:23:LYS:HG2	17	0.22
(1,5058)	1:B:45:THR:HG21	1:B:47:LEU:HG	17	0.22
(1,5058)	1:B:45:THR:HG22	1:B:47:LEU:HG	17	0.22
(1,5058)	1:B:45:THR:HG23	1:B:47:LEU:HG	17	0.22
(1,5058)	1:B:45:THR:HG21	1:A:10:THR:HG21	17	0.22
(1,5058)	1:B:45:THR:HG21	1:A:10:THR:HG22	17	0.22
(1,5058)	1:B:45:THR:HG21	1:A:10:THR:HG23	17	0.22
(1,5058)	1:B:45:THR:HG22	1:A:10:THR:HG21	17	0.22
(1,5058)	1:B:45:THR:HG22	1:A:10:THR:HG22	17	0.22
(1,5058)	1:B:45:THR:HG22	1:A:10:THR:HG23	17	0.22
(1,5058)	1:B:45:THR:HG23	1:A:10:THR:HG21	17	0.22
(1,5058)	1:B:45:THR:HG23	1:A:10:THR:HG22	17	0.22
(1,5058)	1:B:45:THR:HG23	1:A:10:THR:HG23	17	0.22
(1,5057)	1:A:37:THR:HG21	1:A:33:THR:HG21	10	0.22
(1,5057)	1:A:37:THR:HG21	1:A:33:THR:HG22	10	0.22
(1,5057)	1:A:37:THR:HG21	1:A:33:THR:HG23	10	0.22
(1,5057)	1:A:37:THR:HG22	1:A:33:THR:HG21	10	0.22
(1,5057)	1:A:37:THR:HG22	1:A:33:THR:HG22	10	0.22
(1,5057)	1:A:37:THR:HG22	1:A:33:THR:HG23	10	0.22
(1,5057)	1:A:37:THR:HG23	1:A:33:THR:HG21	10	0.22
(1,5057)	1:A:37:THR:HG23	1:A:33:THR:HG22	10	0.22
(1,5057)	1:A:37:THR:HG23	1:A:33:THR:HG23	10	0.22
(1,5057)	1:A:45:THR:HG21	1:A:23:LYS:HG2	10	0.22
(1,5057)	1:A:45:THR:HG22	1:A:23:LYS:HG2	10	0.22
(1,5057)	1:A:45:THR:HG23	1:A:23:LYS:HG2	10	0.22
(1,5057)	1:A:45:THR:HG21	1:A:47:LEU:HG	10	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5057)	1:A:45:THR:HG22	1:A:47:LEU:HG	10	0.22
(1,5057)	1:A:45:THR:HG23	1:A:47:LEU:HG	10	0.22
(1,5057)	1:A:45:THR:HG21	1:B:10:THR:HG21	10	0.22
(1,5057)	1:A:45:THR:HG21	1:B:10:THR:HG22	10	0.22
(1,5057)	1:A:45:THR:HG21	1:B:10:THR:HG23	10	0.22
(1,5057)	1:A:45:THR:HG22	1:B:10:THR:HG21	10	0.22
(1,5057)	1:A:45:THR:HG22	1:B:10:THR:HG22	10	0.22
(1,5057)	1:A:45:THR:HG22	1:B:10:THR:HG23	10	0.22
(1,5057)	1:A:45:THR:HG23	1:B:10:THR:HG21	10	0.22
(1,5057)	1:A:45:THR:HG23	1:B:10:THR:HG22	10	0.22
(1,5057)	1:A:45:THR:HG23	1:B:10:THR:HG23	10	0.22
(1,5057)	1:A:37:THR:HG21	1:A:33:THR:HG21	17	0.22
(1,5057)	1:A:37:THR:HG21	1:A:33:THR:HG22	17	0.22
(1,5057)	1:A:37:THR:HG21	1:A:33:THR:HG23	17	0.22
(1,5057)	1:A:37:THR:HG22	1:A:33:THR:HG21	17	0.22
(1,5057)	1:A:37:THR:HG22	1:A:33:THR:HG22	17	0.22
(1,5057)	1:A:37:THR:HG22	1:A:33:THR:HG23	17	0.22
(1,5057)	1:A:37:THR:HG23	1:A:33:THR:HG21	17	0.22
(1,5057)	1:A:37:THR:HG23	1:A:33:THR:HG22	17	0.22
(1,5057)	1:A:37:THR:HG23	1:A:33:THR:HG23	17	0.22
(1,5057)	1:A:45:THR:HG21	1:A:23:LYS:HG2	17	0.22
(1,5057)	1:A:45:THR:HG22	1:A:23:LYS:HG2	17	0.22
(1,5057)	1:A:45:THR:HG23	1:A:23:LYS:HG2	17	0.22
(1,5057)	1:A:45:THR:HG21	1:A:47:LEU:HG	17	0.22
(1,5057)	1:A:45:THR:HG22	1:A:47:LEU:HG	17	0.22
(1,5057)	1:A:45:THR:HG23	1:A:47:LEU:HG	17	0.22
(1,5057)	1:A:45:THR:HG21	1:B:10:THR:HG21	17	0.22
(1,5057)	1:A:45:THR:HG21	1:B:10:THR:HG22	17	0.22
(1,5057)	1:A:45:THR:HG21	1:B:10:THR:HG23	17	0.22
(1,5057)	1:A:45:THR:HG22	1:B:10:THR:HG21	17	0.22
(1,5057)	1:A:45:THR:HG22	1:B:10:THR:HG22	17	0.22
(1,5057)	1:A:45:THR:HG22	1:B:10:THR:HG23	17	0.22
(1,5057)	1:A:45:THR:HG23	1:B:10:THR:HG21	17	0.22
(1,5057)	1:A:45:THR:HG23	1:B:10:THR:HG22	17	0.22
(1,5057)	1:A:45:THR:HG23	1:B:10:THR:HG23	17	0.22
(1,4832)	1:B:12:ARG:HD2	1:B:9:GLU:HA	16	0.22
(1,4832)	1:B:12:ARG:HD3	1:B:9:GLU:HA	16	0.22
(1,4832)	1:B:12:ARG:HD2	1:B:12:ARG:HA	16	0.22
(1,4832)	1:B:12:ARG:HD3	1:B:12:ARG:HA	16	0.22
(1,4832)	1:B:12:ARG:HD2	1:B:9:GLU:HA	18	0.22
(1,4832)	1:B:12:ARG:HD3	1:B:9:GLU:HA	18	0.22
(1,4832)	1:B:12:ARG:HD2	1:B:12:ARG:HA	18	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4832)	1:B:12:ARG:HD3	1:B:12:ARG:HA	18	0.22
(1,4831)	1:A:12:ARG:HD2	1:A:9:GLU:HA	16	0.22
(1,4831)	1:A:12:ARG:HD3	1:A:9:GLU:HA	16	0.22
(1,4831)	1:A:12:ARG:HD2	1:A:12:ARG:HA	16	0.22
(1,4831)	1:A:12:ARG:HD3	1:A:12:ARG:HA	16	0.22
(1,4831)	1:A:12:ARG:HD2	1:A:9:GLU:HA	18	0.22
(1,4831)	1:A:12:ARG:HD3	1:A:9:GLU:HA	18	0.22
(1,4831)	1:A:12:ARG:HD2	1:A:12:ARG:HA	18	0.22
(1,4831)	1:A:12:ARG:HD3	1:A:12:ARG:HA	18	0.22
(1,4826)	1:B:19:ALA:HB2	1:B:15:GLU:HB2	10	0.22
(1,4826)	1:B:19:ALA:HB2	1:B:15:GLU:HB3	10	0.22
(1,4826)	1:B:19:ALA:HB1	1:B:15:GLU:HB2	10	0.22
(1,4826)	1:B:19:ALA:HB1	1:B:15:GLU:HB3	10	0.22
(1,4826)	1:B:19:ALA:HB3	1:B:15:GLU:HB2	10	0.22
(1,4826)	1:B:19:ALA:HB3	1:B:15:GLU:HB3	10	0.22
(1,4826)	1:B:19:ALA:HB2	1:A:9:GLU:HB2	10	0.22
(1,4826)	1:B:19:ALA:HB2	1:A:9:GLU:HB3	10	0.22
(1,4826)	1:B:19:ALA:HB1	1:A:9:GLU:HB2	10	0.22
(1,4826)	1:B:19:ALA:HB1	1:A:9:GLU:HB3	10	0.22
(1,4826)	1:B:19:ALA:HB3	1:A:9:GLU:HB2	10	0.22
(1,4826)	1:B:19:ALA:HB3	1:A:9:GLU:HB3	10	0.22
(1,4826)	1:B:88:ALA:HB2	1:B:89:MET:HB2	10	0.22
(1,4826)	1:B:88:ALA:HB2	1:B:89:MET:HB3	10	0.22
(1,4826)	1:B:88:ALA:HB1	1:B:89:MET:HB2	10	0.22
(1,4826)	1:B:88:ALA:HB1	1:B:89:MET:HB3	10	0.22
(1,4826)	1:B:88:ALA:HB3	1:B:89:MET:HB2	10	0.22
(1,4826)	1:B:88:ALA:HB3	1:B:89:MET:HB3	10	0.22
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB2	10	0.22
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB1	10	0.22
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB3	10	0.22
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB2	10	0.22
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB1	10	0.22
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB3	10	0.22
(1,4826)	1:B:19:ALA:HB2	1:B:15:GLU:HB2	11	0.22
(1,4826)	1:B:19:ALA:HB2	1:B:15:GLU:HB3	11	0.22
(1,4826)	1:B:19:ALA:HB1	1:B:15:GLU:HB2	11	0.22
(1,4826)	1:B:19:ALA:HB1	1:B:15:GLU:HB3	11	0.22
(1,4826)	1:B:19:ALA:HB3	1:B:15:GLU:HB2	11	0.22
(1,4826)	1:B:19:ALA:HB3	1:B:15:GLU:HB3	11	0.22
(1,4826)	1:B:19:ALA:HB2	1:A:9:GLU:HB2	11	0.22
(1,4826)	1:B:19:ALA:HB2	1:A:9:GLU:HB3	11	0.22
(1,4826)	1:B:19:ALA:HB1	1:A:9:GLU:HB2	11	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4826)	1:B:19:ALA:HB1	1:A:9:GLU:HB3	11	0.22
(1,4826)	1:B:19:ALA:HB3	1:A:9:GLU:HB2	11	0.22
(1,4826)	1:B:19:ALA:HB3	1:A:9:GLU:HB3	11	0.22
(1,4826)	1:B:88:ALA:HB2	1:B:89:MET:HB2	11	0.22
(1,4826)	1:B:88:ALA:HB2	1:B:89:MET:HB3	11	0.22
(1,4826)	1:B:88:ALA:HB1	1:B:89:MET:HB2	11	0.22
(1,4826)	1:B:88:ALA:HB1	1:B:89:MET:HB3	11	0.22
(1,4826)	1:B:88:ALA:HB3	1:B:89:MET:HB2	11	0.22
(1,4826)	1:B:88:ALA:HB3	1:B:89:MET:HB3	11	0.22
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB2	11	0.22
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB1	11	0.22
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB3	11	0.22
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB2	11	0.22
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB1	11	0.22
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB3	11	0.22
(1,4826)	1:B:19:ALA:HB2	1:B:15:GLU:HB2	20	0.22
(1,4826)	1:B:19:ALA:HB2	1:B:15:GLU:HB3	20	0.22
(1,4826)	1:B:19:ALA:HB1	1:B:15:GLU:HB2	20	0.22
(1,4826)	1:B:19:ALA:HB1	1:B:15:GLU:HB3	20	0.22
(1,4826)	1:B:19:ALA:HB3	1:B:15:GLU:HB2	20	0.22
(1,4826)	1:B:19:ALA:HB3	1:B:15:GLU:HB3	20	0.22
(1,4826)	1:B:19:ALA:HB2	1:A:9:GLU:HB2	20	0.22
(1,4826)	1:B:19:ALA:HB2	1:A:9:GLU:HB3	20	0.22
(1,4826)	1:B:19:ALA:HB1	1:A:9:GLU:HB2	20	0.22
(1,4826)	1:B:19:ALA:HB1	1:A:9:GLU:HB3	20	0.22
(1,4826)	1:B:19:ALA:HB3	1:A:9:GLU:HB2	20	0.22
(1,4826)	1:B:19:ALA:HB3	1:A:9:GLU:HB3	20	0.22
(1,4826)	1:B:88:ALA:HB2	1:B:89:MET:HB2	20	0.22
(1,4826)	1:B:88:ALA:HB2	1:B:89:MET:HB3	20	0.22
(1,4826)	1:B:88:ALA:HB1	1:B:89:MET:HB2	20	0.22
(1,4826)	1:B:88:ALA:HB1	1:B:89:MET:HB3	20	0.22
(1,4826)	1:B:88:ALA:HB3	1:B:89:MET:HB2	20	0.22
(1,4826)	1:B:88:ALA:HB3	1:B:89:MET:HB3	20	0.22
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB2	20	0.22
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB1	20	0.22
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB3	20	0.22
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB2	20	0.22
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB1	20	0.22
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB3	20	0.22
(1,4825)	1:A:19:ALA:HB2	1:A:15:GLU:HB2	10	0.22
(1,4825)	1:A:19:ALA:HB2	1:A:15:GLU:HB3	10	0.22
(1,4825)	1:A:19:ALA:HB1	1:A:15:GLU:HB2	10	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4825)	1:A:19:ALA:HB1	1:A:15:GLU:HB3	10	0.22
(1,4825)	1:A:19:ALA:HB3	1:A:15:GLU:HB2	10	0.22
(1,4825)	1:A:19:ALA:HB3	1:A:15:GLU:HB3	10	0.22
(1,4825)	1:A:19:ALA:HB2	1:B:9:GLU:HB2	10	0.22
(1,4825)	1:A:19:ALA:HB2	1:B:9:GLU:HB3	10	0.22
(1,4825)	1:A:19:ALA:HB1	1:B:9:GLU:HB2	10	0.22
(1,4825)	1:A:19:ALA:HB1	1:B:9:GLU:HB3	10	0.22
(1,4825)	1:A:19:ALA:HB3	1:B:9:GLU:HB2	10	0.22
(1,4825)	1:A:19:ALA:HB3	1:B:9:GLU:HB3	10	0.22
(1,4825)	1:A:88:ALA:HB2	1:A:89:MET:HB2	10	0.22
(1,4825)	1:A:88:ALA:HB2	1:A:89:MET:HB3	10	0.22
(1,4825)	1:A:88:ALA:HB1	1:A:89:MET:HB2	10	0.22
(1,4825)	1:A:88:ALA:HB1	1:A:89:MET:HB3	10	0.22
(1,4825)	1:A:88:ALA:HB3	1:A:89:MET:HB2	10	0.22
(1,4825)	1:A:88:ALA:HB3	1:A:89:MET:HB3	10	0.22
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB2	10	0.22
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB1	10	0.22
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB3	10	0.22
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB2	10	0.22
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB1	10	0.22
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB3	10	0.22
(1,4825)	1:A:19:ALA:HB2	1:A:15:GLU:HB2	11	0.22
(1,4825)	1:A:19:ALA:HB2	1:A:15:GLU:HB3	11	0.22
(1,4825)	1:A:19:ALA:HB1	1:A:15:GLU:HB2	11	0.22
(1,4825)	1:A:19:ALA:HB1	1:A:15:GLU:HB3	11	0.22
(1,4825)	1:A:19:ALA:HB3	1:A:15:GLU:HB2	11	0.22
(1,4825)	1:A:19:ALA:HB3	1:A:15:GLU:HB3	11	0.22
(1,4825)	1:A:19:ALA:HB2	1:B:9:GLU:HB2	11	0.22
(1,4825)	1:A:19:ALA:HB2	1:B:9:GLU:HB3	11	0.22
(1,4825)	1:A:19:ALA:HB1	1:B:9:GLU:HB2	11	0.22
(1,4825)	1:A:19:ALA:HB1	1:B:9:GLU:HB3	11	0.22
(1,4825)	1:A:19:ALA:HB3	1:B:9:GLU:HB2	11	0.22
(1,4825)	1:A:19:ALA:HB3	1:B:9:GLU:HB3	11	0.22
(1,4825)	1:A:88:ALA:HB2	1:A:89:MET:HB2	11	0.22
(1,4825)	1:A:88:ALA:HB2	1:A:89:MET:HB3	11	0.22
(1,4825)	1:A:88:ALA:HB1	1:A:89:MET:HB2	11	0.22
(1,4825)	1:A:88:ALA:HB1	1:A:89:MET:HB3	11	0.22
(1,4825)	1:A:88:ALA:HB3	1:A:89:MET:HB2	11	0.22
(1,4825)	1:A:88:ALA:HB3	1:A:89:MET:HB3	11	0.22
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB2	11	0.22
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB1	11	0.22
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB3	11	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB2	11	0.22
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB1	11	0.22
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB3	11	0.22
(1,4825)	1:A:19:ALA:HB2	1:A:15:GLU:HB2	20	0.22
(1,4825)	1:A:19:ALA:HB2	1:A:15:GLU:HB3	20	0.22
(1,4825)	1:A:19:ALA:HB1	1:A:15:GLU:HB2	20	0.22
(1,4825)	1:A:19:ALA:HB1	1:A:15:GLU:HB3	20	0.22
(1,4825)	1:A:19:ALA:HB3	1:A:15:GLU:HB2	20	0.22
(1,4825)	1:A:19:ALA:HB3	1:A:15:GLU:HB3	20	0.22
(1,4825)	1:A:19:ALA:HB2	1:B:9:GLU:HB2	20	0.22
(1,4825)	1:A:19:ALA:HB2	1:B:9:GLU:HB3	20	0.22
(1,4825)	1:A:19:ALA:HB1	1:B:9:GLU:HB2	20	0.22
(1,4825)	1:A:19:ALA:HB1	1:B:9:GLU:HB3	20	0.22
(1,4825)	1:A:19:ALA:HB3	1:B:9:GLU:HB2	20	0.22
(1,4825)	1:A:19:ALA:HB3	1:B:9:GLU:HB3	20	0.22
(1,4825)	1:A:88:ALA:HB2	1:A:89:MET:HB2	20	0.22
(1,4825)	1:A:88:ALA:HB2	1:A:89:MET:HB3	20	0.22
(1,4825)	1:A:88:ALA:HB1	1:A:89:MET:HB2	20	0.22
(1,4825)	1:A:88:ALA:HB1	1:A:89:MET:HB3	20	0.22
(1,4825)	1:A:88:ALA:HB3	1:A:89:MET:HB2	20	0.22
(1,4825)	1:A:88:ALA:HB3	1:A:89:MET:HB3	20	0.22
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB2	20	0.22
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB1	20	0.22
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB3	20	0.22
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB2	20	0.22
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB1	20	0.22
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB3	20	0.22
(1,4782)	1:B:8:THR:HB	1:B:7:PRO:HG2	1	0.22
(1,4782)	1:B:8:THR:HB	1:B:7:PRO:HG3	1	0.22
(1,4782)	1:B:74:GLN:HA	1:B:40:LEU:HG	1	0.22
(1,4782)	1:B:8:THR:HB	1:B:7:PRO:HG2	10	0.22
(1,4782)	1:B:8:THR:HB	1:B:7:PRO:HG3	10	0.22
(1,4782)	1:B:74:GLN:HA	1:B:40:LEU:HG	10	0.22
(1,4781)	1:A:8:THR:HB	1:A:7:PRO:HG2	10	0.22
(1,4781)	1:A:8:THR:HB	1:A:7:PRO:HG3	10	0.22
(1,4781)	1:A:74:GLN:HA	1:A:40:LEU:HG	10	0.22
(1,4488)	1:B:84:ILE:HB	1:B:17:LEU:HD22	6	0.22
(1,4488)	1:B:84:ILE:HB	1:B:17:LEU:HD21	6	0.22
(1,4488)	1:B:84:ILE:HB	1:B:17:LEU:HD23	6	0.22
(1,4488)	1:B:84:ILE:HB	1:B:81:LEU:HG	6	0.22
(1,4488)	1:B:84:ILE:HB	1:B:83:LEU:HD22	6	0.22
(1,4488)	1:B:84:ILE:HB	1:B:83:LEU:HD21	6	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4488)	1:B:84:ILE:HB	1:B:83:LEU:HD23	6	0.22
(1,4488)	1:B:84:ILE:HB	1:B:17:LEU:HD22	17	0.22
(1,4488)	1:B:84:ILE:HB	1:B:17:LEU:HD21	17	0.22
(1,4488)	1:B:84:ILE:HB	1:B:17:LEU:HD23	17	0.22
(1,4488)	1:B:84:ILE:HB	1:B:81:LEU:HG	17	0.22
(1,4488)	1:B:84:ILE:HB	1:B:83:LEU:HD22	17	0.22
(1,4488)	1:B:84:ILE:HB	1:B:83:LEU:HD21	17	0.22
(1,4488)	1:B:84:ILE:HB	1:B:83:LEU:HD23	17	0.22
(1,4487)	1:A:84:ILE:HB	1:A:17:LEU:HD22	6	0.22
(1,4487)	1:A:84:ILE:HB	1:A:17:LEU:HD21	6	0.22
(1,4487)	1:A:84:ILE:HB	1:A:17:LEU:HD23	6	0.22
(1,4487)	1:A:84:ILE:HB	1:A:81:LEU:HG	6	0.22
(1,4487)	1:A:84:ILE:HB	1:A:83:LEU:HD22	6	0.22
(1,4487)	1:A:84:ILE:HB	1:A:83:LEU:HD21	6	0.22
(1,4487)	1:A:84:ILE:HB	1:A:83:LEU:HD23	6	0.22
(1,4487)	1:A:84:ILE:HB	1:A:17:LEU:HD22	17	0.22
(1,4487)	1:A:84:ILE:HB	1:A:17:LEU:HD21	17	0.22
(1,4487)	1:A:84:ILE:HB	1:A:17:LEU:HD23	17	0.22
(1,4487)	1:A:84:ILE:HB	1:A:81:LEU:HG	17	0.22
(1,4487)	1:A:84:ILE:HB	1:A:83:LEU:HD22	17	0.22
(1,4487)	1:A:84:ILE:HB	1:A:83:LEU:HD21	17	0.22
(1,4487)	1:A:84:ILE:HB	1:A:83:LEU:HD23	17	0.22
(1,4316)	1:B:22:GLN:HA	1:B:19:ALA:HA	6	0.22
(1,4316)	1:B:25:ALA:HA	1:B:22:GLN:HA	6	0.22
(1,4316)	1:B:22:GLN:HA	1:B:26:GLY:HA2	6	0.22
(1,4316)	1:B:37:THR:HA	1:B:40:LEU:HA	6	0.22
(1,4316)	1:B:22:GLN:HA	1:B:19:ALA:HA	16	0.22
(1,4316)	1:B:25:ALA:HA	1:B:22:GLN:HA	16	0.22
(1,4316)	1:B:22:GLN:HA	1:B:26:GLY:HA2	16	0.22
(1,4316)	1:B:37:THR:HA	1:B:40:LEU:HA	16	0.22
(1,4315)	1:A:22:GLN:HA	1:A:19:ALA:HA	6	0.22
(1,4315)	1:A:25:ALA:HA	1:A:22:GLN:HA	6	0.22
(1,4315)	1:A:22:GLN:HA	1:A:26:GLY:HA2	6	0.22
(1,4315)	1:A:37:THR:HA	1:A:40:LEU:HA	6	0.22
(1,4315)	1:A:22:GLN:HA	1:A:19:ALA:HA	16	0.22
(1,4315)	1:A:25:ALA:HA	1:A:22:GLN:HA	16	0.22
(1,4315)	1:A:22:GLN:HA	1:A:26:GLY:HA2	16	0.22
(1,4315)	1:A:37:THR:HA	1:A:40:LEU:HA	16	0.22
(1,4262)	1:B:59:VAL:HA	1:B:61:ASP:HB2	3	0.22
(1,4262)	1:B:63:MET:HG2	1:B:59:VAL:HA	3	0.22
(1,4262)	1:B:59:VAL:HA	1:B:61:ASP:HB2	17	0.22
(1,4262)	1:B:63:MET:HG2	1:B:59:VAL:HA	17	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4261)	1:A:59:VAL:HA	1:A:61:ASP:HB2	3	0.22
(1,4261)	1:A:63:MET:HG2	1:A:59:VAL:HA	3	0.22
(1,4261)	1:A:59:VAL:HA	1:A:61:ASP:HB2	17	0.22
(1,4261)	1:A:63:MET:HG2	1:A:59:VAL:HA	17	0.22
(1,4243)	1:A:87:LEU:HB2	1:A:91:CYS:HA	11	0.22
(1,4243)	1:A:91:CYS:HA	1:A:97:LYS:HB2	11	0.22
(1,4243)	1:A:91:CYS:HA	1:A:97:LYS:HB3	11	0.22
(1,4243)	1:A:91:CYS:HA	1:A:97:LYS:HD2	11	0.22
(1,4243)	1:A:91:CYS:HA	1:A:97:LYS:HD3	11	0.22
(1,4243)	1:A:91:CYS:HA	1:B:18:ILE:HB	11	0.22
(1,4200)	1:B:42:PHE:HA	1:B:39:PHE:HA	4	0.22
(1,4200)	1:B:42:PHE:HA	1:B:45:THR:HA	4	0.22
(1,4200)	1:B:45:THR:HB	1:B:42:PHE:HA	4	0.22
(1,4199)	1:A:42:PHE:HA	1:A:39:PHE:HA	4	0.22
(1,4199)	1:A:42:PHE:HA	1:A:45:THR:HA	4	0.22
(1,4199)	1:A:45:THR:HB	1:A:42:PHE:HA	4	0.22
(1,4154)	1:B:82:ASN:HA	1:B:81:LEU:HB2	6	0.22
(1,4154)	1:B:82:ASN:HA	1:B:83:LEU:HB3	6	0.22
(1,4154)	1:B:82:ASN:HA	1:A:81:LEU:HB2	6	0.22
(1,4154)	1:B:82:ASN:HA	1:B:81:LEU:HB2	17	0.22
(1,4154)	1:B:82:ASN:HA	1:B:83:LEU:HB3	17	0.22
(1,4154)	1:B:82:ASN:HA	1:A:81:LEU:HB2	17	0.22
(1,4153)	1:A:82:ASN:HA	1:A:81:LEU:HB2	17	0.22
(1,4153)	1:A:82:ASN:HA	1:A:83:LEU:HB3	17	0.22
(1,4153)	1:A:82:ASN:HA	1:B:81:LEU:HB2	17	0.22
(1,4066)	1:B:44:ASN:HB3	1:B:40:LEU:HD12	1	0.22
(1,4066)	1:B:44:ASN:HB3	1:B:40:LEU:HD11	1	0.22
(1,4066)	1:B:44:ASN:HB3	1:B:40:LEU:HD13	1	0.22
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD22	1	0.22
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD21	1	0.22
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD23	1	0.22
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD12	1	0.22
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD11	1	0.22
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD13	1	0.22
(1,4065)	1:A:44:ASN:HB3	1:A:40:LEU:HD12	1	0.22
(1,4065)	1:A:44:ASN:HB3	1:A:40:LEU:HD11	1	0.22
(1,4065)	1:A:44:ASN:HB3	1:A:40:LEU:HD13	1	0.22
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD22	1	0.22
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD21	1	0.22
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD23	1	0.22
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD12	1	0.22
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD11	1	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD13	1	0.22
(1,4052)	1:B:58:GLY:HA3	1:B:57:PRO:HB3	9	0.22
(1,4052)	1:B:58:GLY:HA3	1:B:57:PRO:HG2	9	0.22
(1,4052)	1:B:58:GLY:HA3	1:B:57:PRO:HG3	9	0.22
(1,4052)	1:B:58:GLY:HA3	1:B:57:PRO:HB3	11	0.22
(1,4052)	1:B:58:GLY:HA3	1:B:57:PRO:HG2	11	0.22
(1,4052)	1:B:58:GLY:HA3	1:B:57:PRO:HG3	11	0.22
(1,4052)	1:B:58:GLY:HA3	1:B:57:PRO:HB3	19	0.22
(1,4052)	1:B:58:GLY:HA3	1:B:57:PRO:HG2	19	0.22
(1,4052)	1:B:58:GLY:HA3	1:B:57:PRO:HG3	19	0.22
(1,4051)	1:A:58:GLY:HA3	1:A:57:PRO:HB3	9	0.22
(1,4051)	1:A:58:GLY:HA3	1:A:57:PRO:HG2	9	0.22
(1,4051)	1:A:58:GLY:HA3	1:A:57:PRO:HG3	9	0.22
(1,4051)	1:A:58:GLY:HA3	1:A:57:PRO:HB3	11	0.22
(1,4051)	1:A:58:GLY:HA3	1:A:57:PRO:HG2	11	0.22
(1,4051)	1:A:58:GLY:HA3	1:A:57:PRO:HG3	11	0.22
(1,4051)	1:A:58:GLY:HA3	1:A:57:PRO:HB3	19	0.22
(1,4051)	1:A:58:GLY:HA3	1:A:57:PRO:HG2	19	0.22
(1,4051)	1:A:58:GLY:HA3	1:A:57:PRO:HG3	19	0.22
(1,4012)	1:B:81:LEU:HD22	1:A:89:MET:HG3	12	0.22
(1,4012)	1:B:81:LEU:HD21	1:A:89:MET:HG3	12	0.22
(1,4012)	1:B:81:LEU:HD23	1:A:89:MET:HG3	12	0.22
(1,4012)	1:B:81:LEU:HD22	1:B:21:PHE:HB3	12	0.22
(1,4012)	1:B:81:LEU:HD21	1:B:21:PHE:HB3	12	0.22
(1,4012)	1:B:81:LEU:HD23	1:B:21:PHE:HB3	12	0.22
(1,4011)	1:A:81:LEU:HD22	1:B:89:MET:HG3	12	0.22
(1,4011)	1:A:81:LEU:HD21	1:B:89:MET:HG3	12	0.22
(1,4011)	1:A:81:LEU:HD23	1:B:89:MET:HG3	12	0.22
(1,4011)	1:A:81:LEU:HD22	1:A:21:PHE:HB3	12	0.22
(1,4011)	1:A:81:LEU:HD21	1:A:21:PHE:HB3	12	0.22
(1,4011)	1:A:81:LEU:HD23	1:A:21:PHE:HB3	12	0.22
(1,3930)	1:B:74:GLN:HA	1:B:34:LEU:HB3	15	0.22
(1,3930)	1:B:74:GLN:HA	1:B:36:LYS:HG2	15	0.22
(1,3930)	1:B:74:GLN:HA	1:B:36:LYS:HG3	15	0.22
(1,3930)	1:B:74:GLN:HA	1:B:75:LEU:HB3	15	0.22
(1,3929)	1:A:74:GLN:HA	1:A:34:LEU:HB3	15	0.22
(1,3929)	1:A:74:GLN:HA	1:A:36:LYS:HG2	15	0.22
(1,3929)	1:A:74:GLN:HA	1:A:36:LYS:HG3	15	0.22
(1,3929)	1:A:74:GLN:HA	1:A:75:LEU:HB3	15	0.22
(1,3926)	1:B:15:GLU:HB2	1:B:13:CYS:HB3	7	0.22
(1,3926)	1:B:15:GLU:HB3	1:B:13:CYS:HB3	7	0.22
(1,3926)	1:B:15:GLU:HB2	1:A:91:CYS:HB2	7	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3926)	1:B:15:GLU:HB2	1:A:91:CYS:HB3	7	0.22
(1,3926)	1:B:15:GLU:HB3	1:A:91:CYS:HB2	7	0.22
(1,3926)	1:B:15:GLU:HB3	1:A:91:CYS:HB3	7	0.22
(1,3926)	1:B:9:GLU:HB2	1:B:13:CYS:HB3	7	0.22
(1,3926)	1:B:9:GLU:HB3	1:B:13:CYS:HB3	7	0.22
(1,3926)	1:B:15:GLU:HB2	1:B:13:CYS:HB3	12	0.22
(1,3926)	1:B:15:GLU:HB3	1:B:13:CYS:HB3	12	0.22
(1,3926)	1:B:15:GLU:HB2	1:A:91:CYS:HB2	12	0.22
(1,3926)	1:B:15:GLU:HB2	1:A:91:CYS:HB3	12	0.22
(1,3926)	1:B:15:GLU:HB3	1:A:91:CYS:HB2	12	0.22
(1,3926)	1:B:15:GLU:HB3	1:A:91:CYS:HB3	12	0.22
(1,3926)	1:B:9:GLU:HB2	1:B:13:CYS:HB3	12	0.22
(1,3926)	1:B:9:GLU:HB3	1:B:13:CYS:HB3	12	0.22
(1,3925)	1:A:15:GLU:HB2	1:A:13:CYS:HB3	12	0.22
(1,3925)	1:A:15:GLU:HB3	1:A:13:CYS:HB3	12	0.22
(1,3925)	1:A:15:GLU:HB2	1:B:91:CYS:HB2	12	0.22
(1,3925)	1:A:15:GLU:HB2	1:B:91:CYS:HB3	12	0.22
(1,3925)	1:A:15:GLU:HB3	1:B:91:CYS:HB2	12	0.22
(1,3925)	1:A:15:GLU:HB3	1:B:91:CYS:HB3	12	0.22
(1,3925)	1:A:9:GLU:HB2	1:A:13:CYS:HB3	12	0.22
(1,3925)	1:A:9:GLU:HB3	1:A:13:CYS:HB3	12	0.22
(1,3850)	1:B:34:LEU:HB2	1:B:39:PHE:HB2	14	0.22
(1,3850)	1:B:39:PHE:HB2	1:B:36:LYS:HB2	14	0.22
(1,3850)	1:B:39:PHE:HB2	1:B:36:LYS:HB3	14	0.22
(1,3850)	1:B:39:PHE:HB2	1:B:40:LEU:HG	14	0.22
(1,3850)	1:B:39:PHE:HB2	1:B:64:MET:HB2	14	0.22
(1,3786)	1:B:63:MET:HG3	1:B:61:ASP:H	1	0.22
(1,3786)	1:B:89:MET:HG3	1:B:87:LEU:H	1	0.22
(1,3736)	1:B:37:THR:HB	1:B:35:SER:HA	10	0.22
(1,3736)	1:B:51:THR:HB	1:B:53:ASN:HA	10	0.22
(1,3736)	1:B:37:THR:HB	1:B:35:SER:HA	12	0.22
(1,3736)	1:B:51:THR:HB	1:B:53:ASN:HA	12	0.22
(1,3735)	1:A:37:THR:HB	1:A:35:SER:HA	12	0.22
(1,3735)	1:A:51:THR:HB	1:A:53:ASN:HA	12	0.22
(1,3704)	1:B:39:PHE:HB2	1:B:36:LYS:HG2	2	0.22
(1,3704)	1:B:39:PHE:HB2	1:B:36:LYS:HG3	2	0.22
(1,3704)	1:B:39:PHE:HB2	1:B:60:LEU:HB3	2	0.22
(1,3704)	1:B:39:PHE:HB2	1:B:75:LEU:HB3	2	0.22
(1,3703)	1:A:39:PHE:HB2	1:A:36:LYS:HG2	2	0.22
(1,3703)	1:A:39:PHE:HB2	1:A:36:LYS:HG3	2	0.22
(1,3703)	1:A:39:PHE:HB2	1:A:60:LEU:HB3	2	0.22
(1,3703)	1:A:39:PHE:HB2	1:A:75:LEU:HB3	2	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3680)	1:B:33:THR:HB	1:B:34:LEU:HG	19	0.22
(1,3680)	1:B:33:THR:HB	1:B:75:LEU:HB3	19	0.22
(1,3679)	1:A:33:THR:HB	1:A:34:LEU:HG	19	0.22
(1,3679)	1:A:33:THR:HB	1:A:75:LEU:HB3	19	0.22
(1,3670)	1:B:69:THR:HA	1:B:70:ASN:HB2	20	0.22
(1,3670)	1:B:70:ASN:HB2	1:B:71:SER:HA	20	0.22
(1,3669)	1:A:69:THR:HA	1:A:70:ASN:HB2	20	0.22
(1,3669)	1:A:70:ASN:HB2	1:A:71:SER:HA	20	0.22
(1,3524)	1:B:73:GLY:HA3	1:B:64:MET:HG2	15	0.22
(1,3524)	1:B:73:GLY:HA3	1:B:64:MET:HG3	15	0.22
(1,3524)	1:B:73:GLY:HA3	1:B:68:ASP:HB3	15	0.22
(1,3523)	1:A:73:GLY:HA3	1:A:64:MET:HG2	15	0.22
(1,3523)	1:A:73:GLY:HA3	1:A:64:MET:HG3	15	0.22
(1,3523)	1:A:73:GLY:HA3	1:A:68:ASP:HB3	15	0.22
(1,3506)	1:B:69:THR:HB	1:B:65:LYS:HE2	10	0.22
(1,3506)	1:B:69:THR:HB	1:B:65:LYS:HE3	10	0.22
(1,3506)	1:B:69:THR:HB	1:B:68:ASP:HB2	10	0.22
(1,3506)	1:B:69:THR:HB	1:B:82:ASN:HB2	10	0.22
(1,3506)	1:B:69:THR:HB	1:B:65:LYS:HE2	19	0.22
(1,3506)	1:B:69:THR:HB	1:B:65:LYS:HE3	19	0.22
(1,3506)	1:B:69:THR:HB	1:B:68:ASP:HB2	19	0.22
(1,3506)	1:B:69:THR:HB	1:B:82:ASN:HB2	19	0.22
(1,3505)	1:A:69:THR:HB	1:A:65:LYS:HE2	10	0.22
(1,3505)	1:A:69:THR:HB	1:A:65:LYS:HE3	10	0.22
(1,3505)	1:A:69:THR:HB	1:A:68:ASP:HB2	10	0.22
(1,3505)	1:A:69:THR:HB	1:A:82:ASN:HB2	10	0.22
(1,3505)	1:A:69:THR:HB	1:A:65:LYS:HE2	19	0.22
(1,3505)	1:A:69:THR:HB	1:A:65:LYS:HE3	19	0.22
(1,3505)	1:A:69:THR:HB	1:A:68:ASP:HB2	19	0.22
(1,3505)	1:A:69:THR:HB	1:A:82:ASN:HB2	19	0.22
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD22	19	0.22
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD21	19	0.22
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD23	19	0.22
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD22	19	0.22
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD21	19	0.22
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD23	19	0.22
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD22	20	0.22
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD21	20	0.22
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD23	20	0.22
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD22	20	0.22
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD21	20	0.22
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD23	20	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD22	20	0.22
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD21	20	0.22
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD23	20	0.22
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD22	20	0.22
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD21	20	0.22
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD23	20	0.22
(1,3473)	1:A:11:GLU:H	1:A:17:LEU:HG	10	0.22
(1,3473)	1:A:17:LEU:HG	1:A:21:PHE:H	10	0.22
(1,3473)	1:A:17:LEU:HG	1:B:11:GLU:H	10	0.22
(1,3457)	1:A:11:GLU:HA	1:A:12:ARG:HD2	5	0.22
(1,3457)	1:A:11:GLU:HA	1:A:12:ARG:HD3	5	0.22
(1,3457)	1:A:11:GLU:HA	1:B:50:PHE:HB2	5	0.22
(1,3457)	1:A:11:GLU:HA	1:B:50:PHE:HB3	5	0.22
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD22	11	0.22
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD21	11	0.22
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD23	11	0.22
(1,3056)	1:B:94:SER:H	1:B:93:ASP:HB2	15	0.22
(1,3055)	1:A:94:SER:H	1:A:93:ASP:HB2	15	0.22
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD22	9	0.22
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD21	9	0.22
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD23	9	0.22
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD22	14	0.22
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD21	14	0.22
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD23	14	0.22
(1,2635)	1:A:43:MET:H	1:A:34:LEU:HD22	9	0.22
(1,2635)	1:A:43:MET:H	1:A:34:LEU:HD21	9	0.22
(1,2635)	1:A:43:MET:H	1:A:34:LEU:HD23	9	0.22
(1,2635)	1:A:43:MET:H	1:A:34:LEU:HD22	14	0.22
(1,2635)	1:A:43:MET:H	1:A:34:LEU:HD21	14	0.22
(1,2635)	1:A:43:MET:H	1:A:34:LEU:HD23	14	0.22
(1,2630)	1:B:69:THR:H	1:B:67:LEU:HB2	14	0.22
(1,2210)	1:B:97:LYS:HA	1:B:97:LYS:HG2	20	0.22
(1,2210)	1:B:97:LYS:HA	1:B:97:LYS:HG3	20	0.22
(1,2209)	1:A:97:LYS:HA	1:A:97:LYS:HG2	20	0.22
(1,2209)	1:A:97:LYS:HA	1:A:97:LYS:HG3	20	0.22
(1,2140)	1:B:27:LYS:HD2	1:B:27:LYS:HB3	16	0.22
(1,2140)	1:B:27:LYS:HD3	1:B:27:LYS:HB3	16	0.22
(1,2139)	1:A:27:LYS:HD2	1:A:27:LYS:HB3	16	0.22
(1,2139)	1:A:27:LYS:HD3	1:A:27:LYS:HB3	16	0.22
(1,1999)	1:A:33:THR:HG21	1:A:76:ASP:HB3	4	0.22
(1,1999)	1:A:33:THR:HG22	1:A:76:ASP:HB3	4	0.22
(1,1999)	1:A:33:THR:HG23	1:A:76:ASP:HB3	4	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1822)	1:B:11:GLU:HG3	1:B:11:GLU:HA	20	0.22
(1,1821)	1:A:11:GLU:HG3	1:A:11:GLU:HA	20	0.22
(1,1607)	1:A:47:LEU:HB2	1:A:50:PHE:HB2	7	0.22
(1,1607)	1:A:47:LEU:HB2	1:A:50:PHE:HB3	7	0.22
(1,1238)	1:B:62:ARG:HB3	1:B:59:VAL:HA	15	0.22
(2,92)	1:B:44:ASN:HB3	1:B:47:LEU:H	1	0.21
(2,91)	1:A:44:ASN:HB3	1:A:47:LEU:H	1	0.21
(2,91)	1:A:44:ASN:HB3	1:A:47:LEU:H	2	0.21
(2,78)	1:B:61:ASP:HA	1:B:59:VAL:HA	15	0.21
(2,77)	1:A:61:ASP:HA	1:A:59:VAL:HA	15	0.21
(2,32)	1:B:38:GLU:HA	1:B:34:LEU:HA	9	0.21
(1,986)	1:B:61:ASP:H	1:B:58:GLY:HA3	5	0.21
(1,986)	1:B:61:ASP:H	1:B:58:GLY:HA3	12	0.21
(1,986)	1:B:61:ASP:H	1:B:58:GLY:HA3	14	0.21
(1,985)	1:A:61:ASP:H	1:A:58:GLY:HA3	1	0.21
(1,985)	1:A:61:ASP:H	1:A:58:GLY:HA3	5	0.21
(1,985)	1:A:61:ASP:H	1:A:58:GLY:HA3	12	0.21
(1,985)	1:A:61:ASP:H	1:A:58:GLY:HA3	14	0.21
(1,884)	1:B:34:LEU:HB3	1:B:80:PHE:HB2	7	0.21
(1,883)	1:A:34:LEU:HB3	1:A:80:PHE:HB2	7	0.21
(1,828)	1:B:40:LEU:HA	1:B:39:PHE:HB2	16	0.21
(1,827)	1:A:40:LEU:HA	1:A:39:PHE:HB2	16	0.21
(1,716)	1:B:76:ASP:HA	1:B:77:PHE:HB2	9	0.21
(1,715)	1:A:76:ASP:HA	1:A:77:PHE:HB2	9	0.21
(1,686)	1:B:84:ILE:HB	1:B:83:LEU:HG	6	0.21
(1,686)	1:B:84:ILE:HB	1:B:83:LEU:HG	14	0.21
(1,686)	1:B:84:ILE:HB	1:B:83:LEU:HG	15	0.21
(1,685)	1:A:84:ILE:HB	1:A:83:LEU:HG	6	0.21
(1,685)	1:A:84:ILE:HB	1:A:83:LEU:HG	14	0.21
(1,685)	1:A:84:ILE:HB	1:A:83:LEU:HG	15	0.21
(1,622)	1:B:63:MET:H	1:B:62:ARG:HG2	13	0.21
(1,610)	1:B:63:MET:H	1:B:62:ARG:HG2	18	0.21
(1,5622)	1:B:47:LEU:H	1:B:45:THR:HG21	4	0.21
(1,5622)	1:B:47:LEU:H	1:B:45:THR:HG22	4	0.21
(1,5622)	1:B:47:LEU:H	1:B:45:THR:HG23	4	0.21
(1,5622)	1:B:47:LEU:H	1:B:48:ALA:HB2	4	0.21
(1,5622)	1:B:47:LEU:H	1:B:48:ALA:HB1	4	0.21
(1,5622)	1:B:47:LEU:H	1:B:48:ALA:HB3	4	0.21
(1,5530)	1:B:36:LYS:H	1:B:40:LEU:HD22	18	0.21
(1,5530)	1:B:36:LYS:H	1:B:40:LEU:HD21	18	0.21
(1,5530)	1:B:36:LYS:H	1:B:40:LEU:HD23	18	0.21
(1,5530)	1:B:39:PHE:H	1:B:40:LEU:HD22	18	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5530)	1:B:39:PHE:H	1:B:40:LEU:HD21	18	0.21
(1,5530)	1:B:39:PHE:H	1:B:40:LEU:HD23	18	0.21
(1,5496)	1:B:59:VAL:H	1:B:61:ASP:HB2	4	0.21
(1,5496)	1:B:59:VAL:H	1:B:61:ASP:HB3	4	0.21
(1,5496)	1:B:90:ALA:H	1:B:89:MET:HG2	4	0.21
(1,5496)	1:B:90:ALA:H	1:B:93:ASP:HB2	4	0.21
(1,5495)	1:A:59:VAL:H	1:A:61:ASP:HB2	4	0.21
(1,5495)	1:A:59:VAL:H	1:A:61:ASP:HB3	4	0.21
(1,5495)	1:A:90:ALA:H	1:A:89:MET:HG2	4	0.21
(1,5495)	1:A:90:ALA:H	1:A:93:ASP:HB2	4	0.21
(1,540)	1:B:16:SER:HA	1:B:15:GLU:H	18	0.21
(1,539)	1:A:16:SER:HA	1:A:15:GLU:H	13	0.21
(1,539)	1:A:16:SER:HA	1:A:15:GLU:H	18	0.21
(1,5292)	1:B:94:SER:H	1:B:96:LEU:HB3	9	0.21
(1,5292)	1:B:94:SER:H	1:B:96:LEU:HG	9	0.21
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB2	9	0.21
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB1	9	0.21
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB3	9	0.21
(1,5291)	1:A:94:SER:H	1:A:96:LEU:HB3	9	0.21
(1,5291)	1:A:94:SER:H	1:A:96:LEU:HG	9	0.21
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB2	9	0.21
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB1	9	0.21
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB3	9	0.21
(1,5291)	1:A:94:SER:H	1:A:96:LEU:HB3	13	0.21
(1,5291)	1:A:94:SER:H	1:A:96:LEU:HG	13	0.21
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB2	13	0.21
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB1	13	0.21
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB3	13	0.21
(1,5196)	1:B:73:GLY:H	1:B:75:LEU:HB3	2	0.21
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG21	2	0.21
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG22	2	0.21
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG23	2	0.21
(1,5196)	1:B:73:GLY:H	1:B:75:LEU:HB3	13	0.21
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG21	13	0.21
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG22	13	0.21
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG23	13	0.21
(1,5196)	1:B:73:GLY:H	1:B:75:LEU:HB3	16	0.21
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG21	16	0.21
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG22	16	0.21
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG23	16	0.21
(1,5195)	1:A:73:GLY:H	1:A:75:LEU:HB3	2	0.21
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG21	2	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG22	2	0.21
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG23	2	0.21
(1,5195)	1:A:73:GLY:H	1:A:75:LEU:HB3	13	0.21
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG21	13	0.21
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG22	13	0.21
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG23	13	0.21
(1,5195)	1:A:73:GLY:H	1:A:75:LEU:HB3	16	0.21
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG21	16	0.21
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG22	16	0.21
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG23	16	0.21
(1,5195)	1:A:73:GLY:H	1:A:75:LEU:HB3	17	0.21
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG21	17	0.21
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG22	17	0.21
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG23	17	0.21
(1,5058)	1:B:37:THR:HG21	1:B:33:THR:HG21	12	0.21
(1,5058)	1:B:37:THR:HG21	1:B:33:THR:HG22	12	0.21
(1,5058)	1:B:37:THR:HG21	1:B:33:THR:HG23	12	0.21
(1,5058)	1:B:37:THR:HG22	1:B:33:THR:HG21	12	0.21
(1,5058)	1:B:37:THR:HG22	1:B:33:THR:HG22	12	0.21
(1,5058)	1:B:37:THR:HG22	1:B:33:THR:HG23	12	0.21
(1,5058)	1:B:37:THR:HG23	1:B:33:THR:HG21	12	0.21
(1,5058)	1:B:37:THR:HG23	1:B:33:THR:HG22	12	0.21
(1,5058)	1:B:37:THR:HG23	1:B:33:THR:HG23	12	0.21
(1,5058)	1:B:45:THR:HG21	1:B:23:LYS:HG2	12	0.21
(1,5058)	1:B:45:THR:HG22	1:B:23:LYS:HG2	12	0.21
(1,5058)	1:B:45:THR:HG23	1:B:23:LYS:HG2	12	0.21
(1,5058)	1:B:45:THR:HG21	1:B:47:LEU:HG	12	0.21
(1,5058)	1:B:45:THR:HG22	1:B:47:LEU:HG	12	0.21
(1,5058)	1:B:45:THR:HG23	1:B:47:LEU:HG	12	0.21
(1,5058)	1:B:45:THR:HG21	1:A:10:THR:HG21	12	0.21
(1,5058)	1:B:45:THR:HG21	1:A:10:THR:HG22	12	0.21
(1,5058)	1:B:45:THR:HG21	1:A:10:THR:HG23	12	0.21
(1,5058)	1:B:45:THR:HG22	1:A:10:THR:HG21	12	0.21
(1,5058)	1:B:45:THR:HG22	1:A:10:THR:HG22	12	0.21
(1,5058)	1:B:45:THR:HG22	1:A:10:THR:HG23	12	0.21
(1,5058)	1:B:45:THR:HG23	1:A:10:THR:HG21	12	0.21
(1,5058)	1:B:45:THR:HG23	1:A:10:THR:HG22	12	0.21
(1,5058)	1:B:45:THR:HG23	1:A:10:THR:HG23	12	0.21
(1,5058)	1:B:37:THR:HG21	1:B:33:THR:HG21	16	0.21
(1,5058)	1:B:37:THR:HG21	1:B:33:THR:HG22	16	0.21
(1,5058)	1:B:37:THR:HG21	1:B:33:THR:HG23	16	0.21
(1,5058)	1:B:37:THR:HG22	1:B:33:THR:HG21	16	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5058)	1:B:37:THR:HG22	1:B:33:THR:HG22	16	0.21
(1,5058)	1:B:37:THR:HG22	1:B:33:THR:HG23	16	0.21
(1,5058)	1:B:37:THR:HG23	1:B:33:THR:HG21	16	0.21
(1,5058)	1:B:37:THR:HG23	1:B:33:THR:HG22	16	0.21
(1,5058)	1:B:37:THR:HG23	1:B:33:THR:HG23	16	0.21
(1,5058)	1:B:45:THR:HG21	1:B:23:LYS:HG2	16	0.21
(1,5058)	1:B:45:THR:HG22	1:B:23:LYS:HG2	16	0.21
(1,5058)	1:B:45:THR:HG23	1:B:23:LYS:HG2	16	0.21
(1,5058)	1:B:45:THR:HG21	1:B:47:LEU:HG	16	0.21
(1,5058)	1:B:45:THR:HG22	1:B:47:LEU:HG	16	0.21
(1,5058)	1:B:45:THR:HG23	1:B:47:LEU:HG	16	0.21
(1,5058)	1:B:45:THR:HG21	1:A:10:THR:HG21	16	0.21
(1,5058)	1:B:45:THR:HG21	1:A:10:THR:HG22	16	0.21
(1,5058)	1:B:45:THR:HG21	1:A:10:THR:HG23	16	0.21
(1,5058)	1:B:45:THR:HG22	1:A:10:THR:HG21	16	0.21
(1,5058)	1:B:45:THR:HG22	1:A:10:THR:HG22	16	0.21
(1,5058)	1:B:45:THR:HG22	1:A:10:THR:HG23	16	0.21
(1,5058)	1:B:45:THR:HG23	1:A:10:THR:HG21	16	0.21
(1,5058)	1:B:45:THR:HG23	1:A:10:THR:HG22	16	0.21
(1,5058)	1:B:45:THR:HG23	1:A:10:THR:HG23	16	0.21
(1,5057)	1:A:37:THR:HG21	1:A:33:THR:HG21	12	0.21
(1,5057)	1:A:37:THR:HG21	1:A:33:THR:HG22	12	0.21
(1,5057)	1:A:37:THR:HG21	1:A:33:THR:HG23	12	0.21
(1,5057)	1:A:37:THR:HG22	1:A:33:THR:HG21	12	0.21
(1,5057)	1:A:37:THR:HG22	1:A:33:THR:HG22	12	0.21
(1,5057)	1:A:37:THR:HG22	1:A:33:THR:HG23	12	0.21
(1,5057)	1:A:37:THR:HG23	1:A:33:THR:HG21	12	0.21
(1,5057)	1:A:37:THR:HG23	1:A:33:THR:HG22	12	0.21
(1,5057)	1:A:37:THR:HG23	1:A:33:THR:HG23	12	0.21
(1,5057)	1:A:45:THR:HG21	1:A:23:LYS:HG2	12	0.21
(1,5057)	1:A:45:THR:HG22	1:A:23:LYS:HG2	12	0.21
(1,5057)	1:A:45:THR:HG23	1:A:23:LYS:HG2	12	0.21
(1,5057)	1:A:45:THR:HG21	1:A:47:LEU:HG	12	0.21
(1,5057)	1:A:45:THR:HG22	1:A:47:LEU:HG	12	0.21
(1,5057)	1:A:45:THR:HG23	1:A:47:LEU:HG	12	0.21
(1,5057)	1:A:45:THR:HG21	1:B:10:THR:HG21	12	0.21
(1,5057)	1:A:45:THR:HG21	1:B:10:THR:HG22	12	0.21
(1,5057)	1:A:45:THR:HG21	1:B:10:THR:HG23	12	0.21
(1,5057)	1:A:45:THR:HG22	1:B:10:THR:HG21	12	0.21
(1,5057)	1:A:45:THR:HG22	1:B:10:THR:HG22	12	0.21
(1,5057)	1:A:45:THR:HG22	1:B:10:THR:HG23	12	0.21
(1,5057)	1:A:45:THR:HG23	1:B:10:THR:HG21	12	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5057)	1:A:45:THR:HG23	1:B:10:THR:HG22	12	0.21
(1,5057)	1:A:45:THR:HG23	1:B:10:THR:HG23	12	0.21
(1,5057)	1:A:37:THR:HG21	1:A:33:THR:HG21	16	0.21
(1,5057)	1:A:37:THR:HG21	1:A:33:THR:HG22	16	0.21
(1,5057)	1:A:37:THR:HG21	1:A:33:THR:HG23	16	0.21
(1,5057)	1:A:37:THR:HG22	1:A:33:THR:HG21	16	0.21
(1,5057)	1:A:37:THR:HG22	1:A:33:THR:HG22	16	0.21
(1,5057)	1:A:37:THR:HG22	1:A:33:THR:HG23	16	0.21
(1,5057)	1:A:37:THR:HG23	1:A:33:THR:HG21	16	0.21
(1,5057)	1:A:37:THR:HG23	1:A:33:THR:HG22	16	0.21
(1,5057)	1:A:37:THR:HG23	1:A:33:THR:HG23	16	0.21
(1,5057)	1:A:45:THR:HG21	1:A:23:LYS:HG2	16	0.21
(1,5057)	1:A:45:THR:HG22	1:A:23:LYS:HG2	16	0.21
(1,5057)	1:A:45:THR:HG23	1:A:23:LYS:HG2	16	0.21
(1,5057)	1:A:45:THR:HG21	1:A:47:LEU:HG	16	0.21
(1,5057)	1:A:45:THR:HG22	1:A:47:LEU:HG	16	0.21
(1,5057)	1:A:45:THR:HG23	1:A:47:LEU:HG	16	0.21
(1,5057)	1:A:45:THR:HG21	1:B:10:THR:HG21	16	0.21
(1,5057)	1:A:45:THR:HG21	1:B:10:THR:HG22	16	0.21
(1,5057)	1:A:45:THR:HG21	1:B:10:THR:HG23	16	0.21
(1,5057)	1:A:45:THR:HG22	1:B:10:THR:HG21	16	0.21
(1,5057)	1:A:45:THR:HG22	1:B:10:THR:HG22	16	0.21
(1,5057)	1:A:45:THR:HG22	1:B:10:THR:HG23	16	0.21
(1,5057)	1:A:45:THR:HG23	1:B:10:THR:HG21	16	0.21
(1,5057)	1:A:45:THR:HG23	1:B:10:THR:HG22	16	0.21
(1,5057)	1:A:45:THR:HG23	1:B:10:THR:HG23	16	0.21
(1,5033)	1:A:66:LYS:HD2	1:A:63:MET:HA	19	0.21
(1,5033)	1:A:66:LYS:HD3	1:A:63:MET:HA	19	0.21
(1,5033)	1:A:24:TYR:HA	1:A:27:LYS:HD2	19	0.21
(1,5033)	1:A:24:TYR:HA	1:A:27:LYS:HD3	19	0.21
(1,5020)	1:B:69:THR:HG21	1:B:69:THR:HA	4	0.21
(1,5020)	1:B:69:THR:HG22	1:B:69:THR:HA	4	0.21
(1,5020)	1:B:69:THR:HG23	1:B:69:THR:HA	4	0.21
(1,5020)	1:B:20:VAL:HG12	1:B:16:SER:HB3	4	0.21
(1,5020)	1:B:20:VAL:HG11	1:B:16:SER:HB3	4	0.21
(1,5020)	1:B:20:VAL:HG13	1:B:16:SER:HB3	4	0.21
(1,5020)	1:B:20:VAL:HA	1:B:20:VAL:HG12	4	0.21
(1,5020)	1:B:20:VAL:HA	1:B:20:VAL:HG11	4	0.21
(1,5020)	1:B:20:VAL:HA	1:B:20:VAL:HG13	4	0.21
(1,5019)	1:A:69:THR:HG21	1:A:69:THR:HA	4	0.21
(1,5019)	1:A:69:THR:HG22	1:A:69:THR:HA	4	0.21
(1,5019)	1:A:69:THR:HG23	1:A:69:THR:HA	4	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5019)	1:A:20:VAL:HG12	1:A:16:SER:HB3	4	0.21
(1,5019)	1:A:20:VAL:HG11	1:A:16:SER:HB3	4	0.21
(1,5019)	1:A:20:VAL:HG13	1:A:16:SER:HB3	4	0.21
(1,5019)	1:A:20:VAL:HA	1:A:20:VAL:HG12	4	0.21
(1,5019)	1:A:20:VAL:HA	1:A:20:VAL:HG11	4	0.21
(1,5019)	1:A:20:VAL:HA	1:A:20:VAL:HG13	4	0.21
(1,4858)	1:B:23:LYS:HB2	1:B:23:LYS:HE2	18	0.21
(1,4858)	1:B:23:LYS:HB2	1:B:23:LYS:HE3	18	0.21
(1,4858)	1:B:23:LYS:HB3	1:B:23:LYS:HE2	18	0.21
(1,4858)	1:B:23:LYS:HB3	1:B:23:LYS:HE3	18	0.21
(1,4782)	1:B:8:THR:HB	1:B:7:PRO:HG2	3	0.21
(1,4782)	1:B:8:THR:HB	1:B:7:PRO:HG3	3	0.21
(1,4782)	1:B:74:GLN:HA	1:B:40:LEU:HG	3	0.21
(1,4781)	1:A:8:THR:HB	1:A:7:PRO:HG2	3	0.21
(1,4781)	1:A:8:THR:HB	1:A:7:PRO:HG3	3	0.21
(1,4781)	1:A:74:GLN:HA	1:A:40:LEU:HG	3	0.21
(1,4781)	1:A:8:THR:HB	1:A:7:PRO:HG2	6	0.21
(1,4781)	1:A:8:THR:HB	1:A:7:PRO:HG3	6	0.21
(1,4781)	1:A:74:GLN:HA	1:A:40:LEU:HG	6	0.21
(1,4654)	1:B:94:SER:HB2	1:B:99:VAL:HB	11	0.21
(1,4654)	1:B:94:SER:HB3	1:B:99:VAL:HB	11	0.21
(1,4654)	1:B:94:SER:HB2	1:B:100:PRO:HB3	11	0.21
(1,4654)	1:B:94:SER:HB3	1:B:100:PRO:HB3	11	0.21
(1,4654)	1:B:94:SER:HB2	1:B:100:PRO:HG2	11	0.21
(1,4654)	1:B:94:SER:HB3	1:B:100:PRO:HG2	11	0.21
(1,4654)	1:B:94:SER:HB2	1:B:100:PRO:HG3	11	0.21
(1,4654)	1:B:94:SER:HB3	1:B:100:PRO:HG3	11	0.21
(1,4654)	1:B:94:SER:HB2	1:A:11:GLU:HB2	11	0.21
(1,4654)	1:B:94:SER:HB2	1:A:11:GLU:HB3	11	0.21
(1,4654)	1:B:94:SER:HB3	1:A:11:GLU:HB2	11	0.21
(1,4654)	1:B:94:SER:HB3	1:A:11:GLU:HB3	11	0.21
(1,4654)	1:B:94:SER:HB2	1:A:14:ILE:HB	11	0.21
(1,4654)	1:B:94:SER:HB3	1:A:14:ILE:HB	11	0.21
(1,4654)	1:B:94:SER:HB2	1:A:22:GLN:HB2	11	0.21
(1,4654)	1:B:94:SER:HB2	1:A:22:GLN:HB3	11	0.21
(1,4654)	1:B:94:SER:HB3	1:A:22:GLN:HB2	11	0.21
(1,4654)	1:B:94:SER:HB3	1:A:22:GLN:HB3	11	0.21
(1,4653)	1:A:94:SER:HB2	1:A:99:VAL:HB	11	0.21
(1,4653)	1:A:94:SER:HB3	1:A:99:VAL:HB	11	0.21
(1,4653)	1:A:94:SER:HB2	1:A:100:PRO:HB3	11	0.21
(1,4653)	1:A:94:SER:HB3	1:A:100:PRO:HB3	11	0.21
(1,4653)	1:A:94:SER:HB2	1:A:100:PRO:HG2	11	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4653)	1:A:94:SER:HB3	1:A:100:PRO:HG2	11	0.21
(1,4653)	1:A:94:SER:HB2	1:A:100:PRO:HG3	11	0.21
(1,4653)	1:A:94:SER:HB3	1:A:100:PRO:HG3	11	0.21
(1,4653)	1:A:94:SER:HB2	1:B:11:GLU:HB2	11	0.21
(1,4653)	1:A:94:SER:HB2	1:B:11:GLU:HB3	11	0.21
(1,4653)	1:A:94:SER:HB3	1:B:11:GLU:HB2	11	0.21
(1,4653)	1:A:94:SER:HB3	1:B:11:GLU:HB3	11	0.21
(1,4653)	1:A:94:SER:HB2	1:B:14:ILE:HB	11	0.21
(1,4653)	1:A:94:SER:HB3	1:B:14:ILE:HB	11	0.21
(1,4653)	1:A:94:SER:HB2	1:B:22:GLN:HB2	11	0.21
(1,4653)	1:A:94:SER:HB2	1:B:22:GLN:HB3	11	0.21
(1,4653)	1:A:94:SER:HB3	1:B:22:GLN:HB2	11	0.21
(1,4653)	1:A:94:SER:HB3	1:B:22:GLN:HB3	11	0.21
(1,4618)	1:B:68:ASP:HA	1:B:74:GLN:HB3	16	0.21
(1,4618)	1:B:74:GLN:HB3	1:B:72:ASP:HA	16	0.21
(1,4617)	1:A:68:ASP:HA	1:A:74:GLN:HB3	16	0.21
(1,4617)	1:A:74:GLN:HB3	1:A:72:ASP:HA	16	0.21
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD22	18	0.21
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD21	18	0.21
(1,4392)	1:B:17:LEU:HG	1:B:81:LEU:HD23	18	0.21
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD22	18	0.21
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD21	18	0.21
(1,4392)	1:B:83:LEU:HB2	1:B:81:LEU:HD23	18	0.21
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD22	18	0.21
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD21	18	0.21
(1,4391)	1:A:17:LEU:HG	1:A:81:LEU:HD23	18	0.21
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD22	18	0.21
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD21	18	0.21
(1,4391)	1:A:83:LEU:HB2	1:A:81:LEU:HD23	18	0.21
(1,4334)	1:B:74:GLN:HB3	1:B:68:ASP:HB2	14	0.21
(1,4334)	1:B:18:ILE:HB	1:B:21:PHE:HB2	14	0.21
(1,4334)	1:B:64:MET:HB3	1:B:68:ASP:HB2	14	0.21
(1,4334)	1:B:68:ASP:HB2	1:B:67:LEU:HB2	14	0.21
(1,4334)	1:B:74:GLN:HB3	1:B:68:ASP:HB2	16	0.21
(1,4334)	1:B:18:ILE:HB	1:B:21:PHE:HB2	16	0.21
(1,4334)	1:B:64:MET:HB3	1:B:68:ASP:HB2	16	0.21
(1,4334)	1:B:68:ASP:HB2	1:B:67:LEU:HB2	16	0.21
(1,4334)	1:B:74:GLN:HB3	1:B:68:ASP:HB2	18	0.21
(1,4334)	1:B:18:ILE:HB	1:B:21:PHE:HB2	18	0.21
(1,4334)	1:B:64:MET:HB3	1:B:68:ASP:HB2	18	0.21
(1,4334)	1:B:68:ASP:HB2	1:B:67:LEU:HB2	18	0.21
(1,4333)	1:A:74:GLN:HB3	1:A:68:ASP:HB2	16	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4333)	1:A:18:ILE:HB	1:A:21:PHE:HB2	16	0.21
(1,4333)	1:A:64:MET:HB3	1:A:68:ASP:HB2	16	0.21
(1,4333)	1:A:68:ASP:HB2	1:A:67:LEU:HB2	16	0.21
(1,4333)	1:A:74:GLN:HB3	1:A:68:ASP:HB2	18	0.21
(1,4333)	1:A:18:ILE:HB	1:A:21:PHE:HB2	18	0.21
(1,4333)	1:A:64:MET:HB3	1:A:68:ASP:HB2	18	0.21
(1,4333)	1:A:68:ASP:HB2	1:A:67:LEU:HB2	18	0.21
(1,4246)	1:B:89:MET:HB2	1:B:85:GLY:H	7	0.21
(1,4246)	1:B:89:MET:HB3	1:B:85:GLY:H	7	0.21
(1,4246)	1:B:100:PRO:HB2	1:A:22:GLN:H	7	0.21
(1,4246)	1:B:89:MET:HB2	1:B:85:GLY:H	17	0.21
(1,4246)	1:B:89:MET:HB3	1:B:85:GLY:H	17	0.21
(1,4246)	1:B:100:PRO:HB2	1:A:22:GLN:H	17	0.21
(1,4245)	1:A:89:MET:HB2	1:A:85:GLY:H	7	0.21
(1,4245)	1:A:89:MET:HB3	1:A:85:GLY:H	7	0.21
(1,4245)	1:A:100:PRO:HB2	1:B:22:GLN:H	7	0.21
(1,4244)	1:B:87:LEU:HB2	1:B:91:CYS:HA	11	0.21
(1,4244)	1:B:91:CYS:HA	1:B:97:LYS:HB2	11	0.21
(1,4244)	1:B:91:CYS:HA	1:B:97:LYS:HB3	11	0.21
(1,4244)	1:B:91:CYS:HA	1:B:97:LYS:HD2	11	0.21
(1,4244)	1:B:91:CYS:HA	1:B:97:LYS:HD3	11	0.21
(1,4244)	1:B:91:CYS:HA	1:A:18:ILE:HB	11	0.21
(1,4230)	1:B:11:GLU:HB2	1:B:13:CYS:HB3	9	0.21
(1,4230)	1:B:11:GLU:HB3	1:B:13:CYS:HB3	9	0.21
(1,4230)	1:B:12:ARG:HB2	1:B:13:CYS:HB3	9	0.21
(1,4230)	1:B:12:ARG:HB3	1:B:13:CYS:HB3	9	0.21
(1,4230)	1:B:14:ILE:HB	1:B:13:CYS:HB3	9	0.21
(1,4230)	1:B:91:CYS:HB2	1:A:14:ILE:HB	9	0.21
(1,4230)	1:B:91:CYS:HB3	1:A:14:ILE:HB	9	0.21
(1,4229)	1:A:11:GLU:HB2	1:A:13:CYS:HB3	6	0.21
(1,4229)	1:A:11:GLU:HB3	1:A:13:CYS:HB3	6	0.21
(1,4229)	1:A:12:ARG:HB2	1:A:13:CYS:HB3	6	0.21
(1,4229)	1:A:12:ARG:HB3	1:A:13:CYS:HB3	6	0.21
(1,4229)	1:A:14:ILE:HB	1:A:13:CYS:HB3	6	0.21
(1,4229)	1:A:91:CYS:HB2	1:B:14:ILE:HB	6	0.21
(1,4229)	1:A:91:CYS:HB3	1:B:14:ILE:HB	6	0.21
(1,4229)	1:A:11:GLU:HB2	1:A:13:CYS:HB3	9	0.21
(1,4229)	1:A:11:GLU:HB3	1:A:13:CYS:HB3	9	0.21
(1,4229)	1:A:12:ARG:HB2	1:A:13:CYS:HB3	9	0.21
(1,4229)	1:A:12:ARG:HB3	1:A:13:CYS:HB3	9	0.21
(1,4229)	1:A:14:ILE:HB	1:A:13:CYS:HB3	9	0.21
(1,4229)	1:A:91:CYS:HB2	1:B:14:ILE:HB	9	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4229)	1:A:91:CYS:HB3	1:B:14:ILE:HB	9	0.21
(1,4172)	1:B:24:TYR:HB2	1:B:27:LYS:HD2	1	0.21
(1,4172)	1:B:24:TYR:HB2	1:B:27:LYS:HD3	1	0.21
(1,4172)	1:B:44:ASN:HB2	1:B:43:MET:HB2	1	0.21
(1,4172)	1:B:44:ASN:HB2	1:B:43:MET:HB3	1	0.21
(1,4171)	1:A:24:TYR:HB2	1:A:27:LYS:HD2	1	0.21
(1,4171)	1:A:24:TYR:HB2	1:A:27:LYS:HD3	1	0.21
(1,4171)	1:A:44:ASN:HB2	1:A:43:MET:HB2	1	0.21
(1,4171)	1:A:44:ASN:HB2	1:A:43:MET:HB3	1	0.21
(1,4153)	1:A:82:ASN:HA	1:A:81:LEU:HB2	6	0.21
(1,4153)	1:A:82:ASN:HA	1:A:83:LEU:HB3	6	0.21
(1,4153)	1:A:82:ASN:HA	1:B:81:LEU:HB2	6	0.21
(1,4052)	1:B:58:GLY:HA3	1:B:57:PRO:HB3	7	0.21
(1,4052)	1:B:58:GLY:HA3	1:B:57:PRO:HG2	7	0.21
(1,4052)	1:B:58:GLY:HA3	1:B:57:PRO:HG3	7	0.21
(1,4052)	1:B:58:GLY:HA3	1:B:57:PRO:HB3	14	0.21
(1,4052)	1:B:58:GLY:HA3	1:B:57:PRO:HG2	14	0.21
(1,4052)	1:B:58:GLY:HA3	1:B:57:PRO:HG3	14	0.21
(1,4051)	1:A:58:GLY:HA3	1:A:57:PRO:HB3	7	0.21
(1,4051)	1:A:58:GLY:HA3	1:A:57:PRO:HG2	7	0.21
(1,4051)	1:A:58:GLY:HA3	1:A:57:PRO:HG3	7	0.21
(1,4051)	1:A:58:GLY:HA3	1:A:57:PRO:HB3	14	0.21
(1,4051)	1:A:58:GLY:HA3	1:A:57:PRO:HG2	14	0.21
(1,4051)	1:A:58:GLY:HA3	1:A:57:PRO:HG3	14	0.21
(1,4048)	1:B:52:LYS:HB2	1:B:53:ASN:HB3	9	0.21
(1,4048)	1:B:52:LYS:HB3	1:B:53:ASN:HB3	9	0.21
(1,4048)	1:B:74:GLN:HB2	1:B:76:ASP:HB3	9	0.21
(1,4047)	1:A:52:LYS:HB2	1:A:53:ASN:HB3	9	0.21
(1,4047)	1:A:52:LYS:HB3	1:A:53:ASN:HB3	9	0.21
(1,4047)	1:A:74:GLN:HB2	1:A:76:ASP:HB3	9	0.21
(1,4030)	1:B:73:GLY:HA3	1:B:36:LYS:HD2	8	0.21
(1,4030)	1:B:73:GLY:HA3	1:B:36:LYS:HD3	8	0.21
(1,4030)	1:B:73:GLY:HA3	1:B:74:GLN:HB3	8	0.21
(1,4029)	1:A:73:GLY:HA3	1:A:36:LYS:HD2	8	0.21
(1,4029)	1:A:73:GLY:HA3	1:A:36:LYS:HD3	8	0.21
(1,4029)	1:A:73:GLY:HA3	1:A:74:GLN:HB3	8	0.21
(1,4024)	1:B:83:LEU:HB3	1:B:66:LYS:HE2	1	0.21
(1,4024)	1:B:83:LEU:HB3	1:B:66:LYS:HE3	1	0.21
(1,4024)	1:B:83:LEU:HB3	1:B:82:ASN:HB2	1	0.21
(1,4023)	1:A:83:LEU:HB3	1:A:66:LYS:HE2	1	0.21
(1,4023)	1:A:83:LEU:HB3	1:A:66:LYS:HE3	1	0.21
(1,4023)	1:A:83:LEU:HB3	1:A:82:ASN:HB2	1	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4012)	1:B:81:LEU:HD22	1:A:89:MET:HG3	5	0.21
(1,4012)	1:B:81:LEU:HD21	1:A:89:MET:HG3	5	0.21
(1,4012)	1:B:81:LEU:HD23	1:A:89:MET:HG3	5	0.21
(1,4012)	1:B:81:LEU:HD22	1:B:21:PHE:HB3	5	0.21
(1,4012)	1:B:81:LEU:HD21	1:B:21:PHE:HB3	5	0.21
(1,4012)	1:B:81:LEU:HD23	1:B:21:PHE:HB3	5	0.21
(1,4012)	1:B:81:LEU:HD22	1:A:89:MET:HG3	13	0.21
(1,4012)	1:B:81:LEU:HD21	1:A:89:MET:HG3	13	0.21
(1,4012)	1:B:81:LEU:HD23	1:A:89:MET:HG3	13	0.21
(1,4012)	1:B:81:LEU:HD22	1:B:21:PHE:HB3	13	0.21
(1,4012)	1:B:81:LEU:HD21	1:B:21:PHE:HB3	13	0.21
(1,4012)	1:B:81:LEU:HD23	1:B:21:PHE:HB3	13	0.21
(1,4012)	1:B:81:LEU:HD22	1:A:89:MET:HG3	18	0.21
(1,4012)	1:B:81:LEU:HD21	1:A:89:MET:HG3	18	0.21
(1,4012)	1:B:81:LEU:HD23	1:A:89:MET:HG3	18	0.21
(1,4012)	1:B:81:LEU:HD22	1:B:21:PHE:HB3	18	0.21
(1,4012)	1:B:81:LEU:HD21	1:B:21:PHE:HB3	18	0.21
(1,4012)	1:B:81:LEU:HD23	1:B:21:PHE:HB3	18	0.21
(1,4011)	1:A:81:LEU:HD22	1:B:89:MET:HG3	4	0.21
(1,4011)	1:A:81:LEU:HD21	1:B:89:MET:HG3	4	0.21
(1,4011)	1:A:81:LEU:HD23	1:B:89:MET:HG3	4	0.21
(1,4011)	1:A:81:LEU:HD22	1:A:21:PHE:HB3	4	0.21
(1,4011)	1:A:81:LEU:HD21	1:A:21:PHE:HB3	4	0.21
(1,4011)	1:A:81:LEU:HD23	1:A:21:PHE:HB3	4	0.21
(1,4011)	1:A:81:LEU:HD22	1:B:89:MET:HG3	5	0.21
(1,4011)	1:A:81:LEU:HD21	1:B:89:MET:HG3	5	0.21
(1,4011)	1:A:81:LEU:HD23	1:B:89:MET:HG3	5	0.21
(1,4011)	1:A:81:LEU:HD22	1:A:21:PHE:HB3	5	0.21
(1,4011)	1:A:81:LEU:HD21	1:A:21:PHE:HB3	5	0.21
(1,4011)	1:A:81:LEU:HD23	1:A:21:PHE:HB3	5	0.21
(1,4011)	1:A:81:LEU:HD22	1:B:89:MET:HG3	18	0.21
(1,4011)	1:A:81:LEU:HD21	1:B:89:MET:HG3	18	0.21
(1,4011)	1:A:81:LEU:HD23	1:B:89:MET:HG3	18	0.21
(1,4011)	1:A:81:LEU:HD22	1:A:21:PHE:HB3	18	0.21
(1,4011)	1:A:81:LEU:HD21	1:A:21:PHE:HB3	18	0.21
(1,4011)	1:A:81:LEU:HD23	1:A:21:PHE:HB3	18	0.21
(1,3936)	1:B:82:ASN:HB3	1:B:66:LYS:HD2	18	0.21
(1,3936)	1:B:82:ASN:HB3	1:B:66:LYS:HD3	18	0.21
(1,3936)	1:B:82:ASN:HB3	1:B:67:LEU:HB2	18	0.21
(1,3936)	1:B:82:ASN:HB3	1:B:83:LEU:HB3	18	0.21
(1,3935)	1:A:82:ASN:HB3	1:A:66:LYS:HD2	18	0.21
(1,3935)	1:A:82:ASN:HB3	1:A:66:LYS:HD3	18	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3935)	1:A:82:ASN:HB3	1:A:67:LEU:HB2	18	0.21
(1,3935)	1:A:82:ASN:HB3	1:A:83:LEU:HB3	18	0.21
(1,3926)	1:B:15:GLU:HB2	1:B:13:CYS:HB3	1	0.21
(1,3926)	1:B:15:GLU:HB3	1:B:13:CYS:HB3	1	0.21
(1,3926)	1:B:15:GLU:HB2	1:A:91:CYS:HB2	1	0.21
(1,3926)	1:B:15:GLU:HB2	1:A:91:CYS:HB3	1	0.21
(1,3926)	1:B:15:GLU:HB3	1:A:91:CYS:HB2	1	0.21
(1,3926)	1:B:15:GLU:HB3	1:A:91:CYS:HB3	1	0.21
(1,3926)	1:B:9:GLU:HB2	1:B:13:CYS:HB3	1	0.21
(1,3926)	1:B:9:GLU:HB3	1:B:13:CYS:HB3	1	0.21
(1,3926)	1:B:15:GLU:HB2	1:B:13:CYS:HB3	13	0.21
(1,3926)	1:B:15:GLU:HB3	1:B:13:CYS:HB3	13	0.21
(1,3926)	1:B:15:GLU:HB2	1:A:91:CYS:HB2	13	0.21
(1,3926)	1:B:15:GLU:HB2	1:A:91:CYS:HB3	13	0.21
(1,3926)	1:B:15:GLU:HB3	1:A:91:CYS:HB2	13	0.21
(1,3926)	1:B:15:GLU:HB3	1:A:91:CYS:HB3	13	0.21
(1,3926)	1:B:9:GLU:HB2	1:B:13:CYS:HB3	13	0.21
(1,3926)	1:B:9:GLU:HB3	1:B:13:CYS:HB3	13	0.21
(1,3925)	1:A:15:GLU:HB2	1:A:13:CYS:HB3	1	0.21
(1,3925)	1:A:15:GLU:HB3	1:A:13:CYS:HB3	1	0.21
(1,3925)	1:A:15:GLU:HB2	1:B:91:CYS:HB2	1	0.21
(1,3925)	1:A:15:GLU:HB2	1:B:91:CYS:HB3	1	0.21
(1,3925)	1:A:15:GLU:HB3	1:B:91:CYS:HB2	1	0.21
(1,3925)	1:A:15:GLU:HB3	1:B:91:CYS:HB3	1	0.21
(1,3925)	1:A:9:GLU:HB2	1:A:13:CYS:HB3	1	0.21
(1,3925)	1:A:9:GLU:HB3	1:A:13:CYS:HB3	1	0.21
(1,3925)	1:A:15:GLU:HB2	1:A:13:CYS:HB3	7	0.21
(1,3925)	1:A:15:GLU:HB3	1:A:13:CYS:HB3	7	0.21
(1,3925)	1:A:15:GLU:HB2	1:B:91:CYS:HB2	7	0.21
(1,3925)	1:A:15:GLU:HB2	1:B:91:CYS:HB3	7	0.21
(1,3925)	1:A:15:GLU:HB3	1:B:91:CYS:HB2	7	0.21
(1,3925)	1:A:15:GLU:HB3	1:B:91:CYS:HB3	7	0.21
(1,3925)	1:A:9:GLU:HB2	1:A:13:CYS:HB3	7	0.21
(1,3925)	1:A:9:GLU:HB3	1:A:13:CYS:HB3	7	0.21
(1,3925)	1:A:15:GLU:HB2	1:A:13:CYS:HB3	13	0.21
(1,3925)	1:A:15:GLU:HB3	1:A:13:CYS:HB3	13	0.21
(1,3925)	1:A:15:GLU:HB2	1:B:91:CYS:HB2	13	0.21
(1,3925)	1:A:15:GLU:HB2	1:B:91:CYS:HB3	13	0.21
(1,3925)	1:A:15:GLU:HB3	1:B:91:CYS:HB2	13	0.21
(1,3925)	1:A:15:GLU:HB3	1:B:91:CYS:HB3	13	0.21
(1,3925)	1:A:9:GLU:HB2	1:A:13:CYS:HB3	13	0.21
(1,3925)	1:A:9:GLU:HB3	1:A:13:CYS:HB3	13	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3849)	1:A:34:LEU:HB2	1:A:39:PHE:HB2	14	0.21
(1,3849)	1:A:39:PHE:HB2	1:A:36:LYS:HB2	14	0.21
(1,3849)	1:A:39:PHE:HB2	1:A:36:LYS:HB3	14	0.21
(1,3849)	1:A:39:PHE:HB2	1:A:40:LEU:HG	14	0.21
(1,3849)	1:A:39:PHE:HB2	1:A:64:MET:HB2	14	0.21
(1,3786)	1:B:63:MET:HG3	1:B:61:ASP:H	13	0.21
(1,3786)	1:B:89:MET:HG3	1:B:87:LEU:H	13	0.21
(1,3786)	1:B:63:MET:HG3	1:B:61:ASP:H	17	0.21
(1,3786)	1:B:89:MET:HG3	1:B:87:LEU:H	17	0.21
(1,3785)	1:A:63:MET:HG3	1:A:61:ASP:H	1	0.21
(1,3785)	1:A:89:MET:HG3	1:A:87:LEU:H	1	0.21
(1,3785)	1:A:63:MET:HG3	1:A:61:ASP:H	13	0.21
(1,3785)	1:A:89:MET:HG3	1:A:87:LEU:H	13	0.21
(1,3785)	1:A:63:MET:HG3	1:A:61:ASP:H	17	0.21
(1,3785)	1:A:89:MET:HG3	1:A:87:LEU:H	17	0.21
(1,3736)	1:B:37:THR:HB	1:B:35:SER:HA	11	0.21
(1,3736)	1:B:51:THR:HB	1:B:53:ASN:HA	11	0.21
(1,3735)	1:A:37:THR:HB	1:A:35:SER:HA	11	0.21
(1,3735)	1:A:51:THR:HB	1:A:53:ASN:HA	11	0.21
(1,3680)	1:B:33:THR:HB	1:B:34:LEU:HG	14	0.21
(1,3680)	1:B:33:THR:HB	1:B:75:LEU:HB3	14	0.21
(1,3679)	1:A:33:THR:HB	1:A:34:LEU:HG	14	0.21
(1,3679)	1:A:33:THR:HB	1:A:75:LEU:HB3	14	0.21
(1,3670)	1:B:69:THR:HA	1:B:70:ASN:HB2	5	0.21
(1,3670)	1:B:70:ASN:HB2	1:B:71:SER:HA	5	0.21
(1,3669)	1:A:69:THR:HA	1:A:70:ASN:HB2	5	0.21
(1,3669)	1:A:70:ASN:HB2	1:A:71:SER:HA	5	0.21
(1,3662)	1:B:10:THR:HA	1:A:81:LEU:HD22	14	0.21
(1,3662)	1:B:10:THR:HA	1:A:81:LEU:HD21	14	0.21
(1,3662)	1:B:10:THR:HA	1:A:81:LEU:HD23	14	0.21
(1,3662)	1:B:10:THR:HA	1:A:87:LEU:HD22	14	0.21
(1,3662)	1:B:10:THR:HA	1:A:87:LEU:HD21	14	0.21
(1,3662)	1:B:10:THR:HA	1:A:87:LEU:HD23	14	0.21
(1,3661)	1:A:10:THR:HA	1:B:81:LEU:HD22	14	0.21
(1,3661)	1:A:10:THR:HA	1:B:81:LEU:HD21	14	0.21
(1,3661)	1:A:10:THR:HA	1:B:81:LEU:HD23	14	0.21
(1,3661)	1:A:10:THR:HA	1:B:87:LEU:HD22	14	0.21
(1,3661)	1:A:10:THR:HA	1:B:87:LEU:HD21	14	0.21
(1,3661)	1:A:10:THR:HA	1:B:87:LEU:HD23	14	0.21
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD22	1	0.21
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD21	1	0.21
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD23	1	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD22	1	0.21
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD21	1	0.21
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD23	1	0.21
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD22	7	0.21
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD21	7	0.21
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD23	7	0.21
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD22	7	0.21
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD21	7	0.21
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD23	7	0.21
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD22	10	0.21
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD21	10	0.21
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD23	10	0.21
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD22	10	0.21
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD21	10	0.21
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD23	10	0.21
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD22	11	0.21
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD21	11	0.21
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD23	11	0.21
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD22	11	0.21
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD21	11	0.21
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD23	11	0.21
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD22	13	0.21
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD21	13	0.21
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD23	13	0.21
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD22	13	0.21
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD21	13	0.21
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD23	13	0.21
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD22	14	0.21
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD21	14	0.21
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD23	14	0.21
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD22	14	0.21
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD21	14	0.21
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD23	14	0.21
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD22	1	0.21
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD21	1	0.21
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD23	1	0.21
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD22	1	0.21
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD21	1	0.21
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD23	1	0.21
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD22	8	0.21
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD21	8	0.21
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD23	8	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD22	8	0.21
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD21	8	0.21
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD23	8	0.21
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD22	10	0.21
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD21	10	0.21
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD23	10	0.21
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD22	10	0.21
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD21	10	0.21
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD23	10	0.21
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD22	11	0.21
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD21	11	0.21
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD23	11	0.21
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD22	11	0.21
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD21	11	0.21
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD23	11	0.21
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD22	13	0.21
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD21	13	0.21
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD23	13	0.21
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD22	13	0.21
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD21	13	0.21
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD23	13	0.21
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD22	14	0.21
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD21	14	0.21
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD23	14	0.21
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD22	14	0.21
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD21	14	0.21
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD23	14	0.21
(1,3474)	1:B:11:GLU:H	1:B:17:LEU:HG	6	0.21
(1,3474)	1:B:17:LEU:HG	1:B:21:PHE:H	6	0.21
(1,3474)	1:B:17:LEU:HG	1:A:11:GLU:H	6	0.21
(1,3474)	1:B:11:GLU:H	1:B:17:LEU:HG	10	0.21
(1,3474)	1:B:17:LEU:HG	1:B:21:PHE:H	10	0.21
(1,3474)	1:B:17:LEU:HG	1:A:11:GLU:H	10	0.21
(1,3473)	1:A:11:GLU:H	1:A:17:LEU:HG	6	0.21
(1,3473)	1:A:17:LEU:HG	1:A:21:PHE:H	6	0.21
(1,3473)	1:A:17:LEU:HG	1:B:11:GLU:H	6	0.21
(1,3468)	1:B:75:LEU:HB3	1:B:33:THR:HA	8	0.21
(1,3468)	1:B:75:LEU:HB3	1:B:34:LEU:HA	8	0.21
(1,3467)	1:A:75:LEU:HB3	1:A:33:THR:HA	8	0.21
(1,3467)	1:A:75:LEU:HB3	1:A:34:LEU:HA	8	0.21
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD22	11	0.21
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD21	11	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD23	11	0.21
(1,3092)	1:B:75:LEU:H	1:B:75:LEU:HB3	14	0.21
(1,3091)	1:A:75:LEU:H	1:A:75:LEU:HB3	14	0.21
(1,3056)	1:B:94:SER:H	1:B:93:ASP:HB2	3	0.21
(1,3055)	1:A:94:SER:H	1:A:93:ASP:HB2	3	0.21
(1,304)	1:B:22:GLN:HB2	1:B:18:ILE:H	7	0.21
(1,304)	1:B:22:GLN:HB3	1:B:18:ILE:H	7	0.21
(1,303)	1:A:22:GLN:HB2	1:A:18:ILE:H	7	0.21
(1,303)	1:A:22:GLN:HB3	1:A:18:ILE:H	7	0.21
(1,3018)	1:B:78:SER:H	1:B:77:PHE:HB3	13	0.21
(1,3017)	1:A:78:SER:H	1:A:77:PHE:HB3	13	0.21
(1,268)	1:B:75:LEU:HB3	1:B:39:PHE:HB3	11	0.21
(1,2630)	1:B:69:THR:H	1:B:67:LEU:HB2	8	0.21
(1,2629)	1:A:69:THR:H	1:A:67:LEU:HB2	8	0.21
(1,1870)	1:B:20:VAL:HG12	1:B:21:PHE:H	17	0.21
(1,1870)	1:B:20:VAL:HG11	1:B:21:PHE:H	17	0.21
(1,1870)	1:B:20:VAL:HG13	1:B:21:PHE:H	17	0.21
(1,1869)	1:A:20:VAL:HG12	1:A:21:PHE:H	17	0.21
(1,1869)	1:A:20:VAL:HG11	1:A:21:PHE:H	17	0.21
(1,1869)	1:A:20:VAL:HG13	1:A:21:PHE:H	17	0.21
(1,1858)	1:B:57:PRO:HD2	1:B:57:PRO:HA	16	0.21
(1,1858)	1:B:57:PRO:HD3	1:B:57:PRO:HA	16	0.21
(1,1857)	1:A:57:PRO:HD2	1:A:57:PRO:HA	16	0.21
(1,1857)	1:A:57:PRO:HD3	1:A:57:PRO:HA	16	0.21
(1,1606)	1:B:74:GLN:HG2	1:B:33:THR:HG21	17	0.21
(1,1606)	1:B:74:GLN:HG2	1:B:33:THR:HG22	17	0.21
(1,1606)	1:B:74:GLN:HG2	1:B:33:THR:HG23	17	0.21
(1,1606)	1:B:74:GLN:HG3	1:B:33:THR:HG21	17	0.21
(1,1606)	1:B:74:GLN:HG3	1:B:33:THR:HG22	17	0.21
(1,1606)	1:B:74:GLN:HG3	1:B:33:THR:HG23	17	0.21
(1,1605)	1:A:74:GLN:HG2	1:A:33:THR:HG21	17	0.21
(1,1605)	1:A:74:GLN:HG2	1:A:33:THR:HG22	17	0.21
(1,1605)	1:A:74:GLN:HG2	1:A:33:THR:HG23	17	0.21
(1,1605)	1:A:74:GLN:HG3	1:A:33:THR:HG21	17	0.21
(1,1605)	1:A:74:GLN:HG3	1:A:33:THR:HG22	17	0.21
(1,1605)	1:A:74:GLN:HG3	1:A:33:THR:HG23	17	0.21
(1,1237)	1:A:62:ARG:HB3	1:A:59:VAL:HA	15	0.21
(1,1222)	1:B:89:MET:HG2	1:B:88:ALA:HB2	20	0.21
(1,1222)	1:B:89:MET:HG2	1:B:88:ALA:HB1	20	0.21
(1,1222)	1:B:89:MET:HG2	1:B:88:ALA:HB3	20	0.21
(1,1221)	1:A:89:MET:HG2	1:A:88:ALA:HB2	20	0.21
(1,1221)	1:A:89:MET:HG2	1:A:88:ALA:HB1	20	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1221)	1:A:89:MET:HG2	1:A:88:ALA:HB3	20	0.21
(1,1060)	1:B:16:SER:HB3	1:B:19:ALA:HB2	4	0.21
(1,1060)	1:B:16:SER:HB3	1:B:19:ALA:HB1	4	0.21
(1,1060)	1:B:16:SER:HB3	1:B:19:ALA:HB3	4	0.21
(1,1059)	1:A:16:SER:HB3	1:A:19:ALA:HB2	4	0.21
(1,1059)	1:A:16:SER:HB3	1:A:19:ALA:HB1	4	0.21
(1,1059)	1:A:16:SER:HB3	1:A:19:ALA:HB3	4	0.21
(2,78)	1:B:61:ASP:HA	1:B:59:VAL:HA	17	0.2
(2,77)	1:A:61:ASP:HA	1:A:59:VAL:HA	17	0.2
(2,31)	1:A:38:GLU:HA	1:A:34:LEU:HA	9	0.2
(1,985)	1:A:61:ASP:H	1:A:58:GLY:HA3	7	0.2
(1,90)	1:B:15:GLU:HB2	1:A:9:GLU:HG2	6	0.2
(1,90)	1:B:15:GLU:HB2	1:A:9:GLU:HG3	6	0.2
(1,90)	1:B:15:GLU:HB3	1:A:9:GLU:HG2	6	0.2
(1,90)	1:B:15:GLU:HB3	1:A:9:GLU:HG3	6	0.2
(1,88)	1:B:15:GLU:HB2	1:A:9:GLU:HG2	6	0.2
(1,88)	1:B:15:GLU:HB2	1:A:9:GLU:HG3	6	0.2
(1,88)	1:B:15:GLU:HB3	1:A:9:GLU:HG2	6	0.2
(1,88)	1:B:15:GLU:HB3	1:A:9:GLU:HG3	6	0.2
(1,828)	1:B:40:LEU:HA	1:B:39:PHE:HB2	5	0.2
(1,827)	1:A:40:LEU:HA	1:A:39:PHE:HB2	5	0.2
(1,610)	1:B:63:MET:H	1:B:62:ARG:HG2	4	0.2
(1,610)	1:B:63:MET:H	1:B:62:ARG:HG2	12	0.2
(1,609)	1:A:63:MET:H	1:A:62:ARG:HG2	4	0.2
(1,609)	1:A:63:MET:H	1:A:62:ARG:HG2	12	0.2
(1,609)	1:A:63:MET:H	1:A:62:ARG:HG2	13	0.2
(1,609)	1:A:63:MET:H	1:A:62:ARG:HG2	18	0.2
(1,5622)	1:B:47:LEU:H	1:B:45:THR:HG21	7	0.2
(1,5622)	1:B:47:LEU:H	1:B:45:THR:HG22	7	0.2
(1,5622)	1:B:47:LEU:H	1:B:45:THR:HG23	7	0.2
(1,5622)	1:B:47:LEU:H	1:B:48:ALA:HB2	7	0.2
(1,5622)	1:B:47:LEU:H	1:B:48:ALA:HB1	7	0.2
(1,5622)	1:B:47:LEU:H	1:B:48:ALA:HB3	7	0.2
(1,5622)	1:B:47:LEU:H	1:B:45:THR:HG21	17	0.2
(1,5622)	1:B:47:LEU:H	1:B:45:THR:HG22	17	0.2
(1,5622)	1:B:47:LEU:H	1:B:45:THR:HG23	17	0.2
(1,5622)	1:B:47:LEU:H	1:B:48:ALA:HB2	17	0.2
(1,5622)	1:B:47:LEU:H	1:B:48:ALA:HB1	17	0.2
(1,5622)	1:B:47:LEU:H	1:B:48:ALA:HB3	17	0.2
(1,5621)	1:A:47:LEU:H	1:A:45:THR:HG21	7	0.2
(1,5621)	1:A:47:LEU:H	1:A:45:THR:HG22	7	0.2
(1,5621)	1:A:47:LEU:H	1:A:45:THR:HG23	7	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5621)	1:A:47:LEU:H	1:A:48:ALA:HB2	7	0.2
(1,5621)	1:A:47:LEU:H	1:A:48:ALA:HB1	7	0.2
(1,5621)	1:A:47:LEU:H	1:A:48:ALA:HB3	7	0.2
(1,5621)	1:A:47:LEU:H	1:A:45:THR:HG21	17	0.2
(1,5621)	1:A:47:LEU:H	1:A:45:THR:HG22	17	0.2
(1,5621)	1:A:47:LEU:H	1:A:45:THR:HG23	17	0.2
(1,5621)	1:A:47:LEU:H	1:A:48:ALA:HB2	17	0.2
(1,5621)	1:A:47:LEU:H	1:A:48:ALA:HB1	17	0.2
(1,5621)	1:A:47:LEU:H	1:A:48:ALA:HB3	17	0.2
(1,5536)	1:B:23:LYS:H	1:B:20:VAL:HB	13	0.2
(1,5536)	1:B:23:LYS:H	1:B:22:GLN:HG2	13	0.2
(1,5536)	1:B:23:LYS:H	1:B:22:GLN:HG3	13	0.2
(1,5536)	1:B:23:LYS:H	1:B:24:TYR:HB3	13	0.2
(1,5535)	1:A:23:LYS:H	1:A:20:VAL:HB	13	0.2
(1,5535)	1:A:23:LYS:H	1:A:22:GLN:HG2	13	0.2
(1,5535)	1:A:23:LYS:H	1:A:22:GLN:HG3	13	0.2
(1,5535)	1:A:23:LYS:H	1:A:24:TYR:HB3	13	0.2
(1,5529)	1:A:36:LYS:H	1:A:40:LEU:HD22	18	0.2
(1,5529)	1:A:36:LYS:H	1:A:40:LEU:HD21	18	0.2
(1,5529)	1:A:36:LYS:H	1:A:40:LEU:HD23	18	0.2
(1,5529)	1:A:39:PHE:H	1:A:40:LEU:HD22	18	0.2
(1,5529)	1:A:39:PHE:H	1:A:40:LEU:HD21	18	0.2
(1,5529)	1:A:39:PHE:H	1:A:40:LEU:HD23	18	0.2
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG22	3	0.2
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG21	3	0.2
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG23	3	0.2
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD12	3	0.2
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD11	3	0.2
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD13	3	0.2
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD22	3	0.2
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD21	3	0.2
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD23	3	0.2
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG22	9	0.2
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG21	9	0.2
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG23	9	0.2
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD12	9	0.2
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD11	9	0.2
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD13	9	0.2
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD22	9	0.2
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD21	9	0.2
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD23	9	0.2
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG22	3	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG21	3	0.2
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG23	3	0.2
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD12	3	0.2
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD11	3	0.2
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD13	3	0.2
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD22	3	0.2
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD21	3	0.2
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD23	3	0.2
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG22	9	0.2
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG21	9	0.2
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG23	9	0.2
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD12	9	0.2
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD11	9	0.2
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD13	9	0.2
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD22	9	0.2
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD21	9	0.2
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD23	9	0.2
(1,540)	1:B:16:SER:HA	1:B:15:GLU:H	7	0.2
(1,540)	1:B:16:SER:HA	1:B:15:GLU:H	9	0.2
(1,540)	1:B:16:SER:HA	1:B:15:GLU:H	11	0.2
(1,539)	1:A:16:SER:HA	1:A:15:GLU:H	7	0.2
(1,539)	1:A:16:SER:HA	1:A:15:GLU:H	9	0.2
(1,539)	1:A:16:SER:HA	1:A:15:GLU:H	11	0.2
(1,5300)	1:B:26:GLY:H	1:B:23:LYS:HD2	19	0.2
(1,5300)	1:B:26:GLY:H	1:B:23:LYS:HD3	19	0.2
(1,5300)	1:B:26:GLY:H	1:B:34:LEU:HB3	19	0.2
(1,5299)	1:A:26:GLY:H	1:A:23:LYS:HD2	19	0.2
(1,5299)	1:A:26:GLY:H	1:A:23:LYS:HD3	19	0.2
(1,5299)	1:A:26:GLY:H	1:A:34:LEU:HB3	19	0.2
(1,5298)	1:B:26:GLY:H	1:B:23:LYS:HD2	19	0.2
(1,5298)	1:B:26:GLY:H	1:B:23:LYS:HD3	19	0.2
(1,5298)	1:B:26:GLY:H	1:B:34:LEU:HB3	19	0.2
(1,5297)	1:A:26:GLY:H	1:A:23:LYS:HD2	19	0.2
(1,5297)	1:A:26:GLY:H	1:A:23:LYS:HD3	19	0.2
(1,5297)	1:A:26:GLY:H	1:A:34:LEU:HB3	19	0.2
(1,5292)	1:B:94:SER:H	1:B:96:LEU:HB3	13	0.2
(1,5292)	1:B:94:SER:H	1:B:96:LEU:HG	13	0.2
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB2	13	0.2
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB1	13	0.2
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB3	13	0.2
(1,5292)	1:B:94:SER:H	1:B:96:LEU:HB3	17	0.2
(1,5292)	1:B:94:SER:H	1:B:96:LEU:HG	17	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB2	17	0.2
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB1	17	0.2
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB3	17	0.2
(1,5291)	1:A:94:SER:H	1:A:96:LEU:HB3	6	0.2
(1,5291)	1:A:94:SER:H	1:A:96:LEU:HG	6	0.2
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB2	6	0.2
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB1	6	0.2
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB3	6	0.2
(1,5291)	1:A:94:SER:H	1:A:96:LEU:HB3	17	0.2
(1,5291)	1:A:94:SER:H	1:A:96:LEU:HG	17	0.2
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB2	17	0.2
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB1	17	0.2
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB3	17	0.2
(1,5196)	1:B:73:GLY:H	1:B:75:LEU:HB3	17	0.2
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG21	17	0.2
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG22	17	0.2
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG23	17	0.2
(1,5034)	1:B:66:LYS:HD2	1:B:63:MET:HA	19	0.2
(1,5034)	1:B:66:LYS:HD3	1:B:63:MET:HA	19	0.2
(1,5034)	1:B:24:TYR:HA	1:B:27:LYS:HD2	19	0.2
(1,5034)	1:B:24:TYR:HA	1:B:27:LYS:HD3	19	0.2
(1,5030)	1:B:62:ARG:HG3	1:B:62:ARG:HA	17	0.2
(1,5030)	1:B:65:LYS:HG2	1:B:65:LYS:HA	17	0.2
(1,5030)	1:B:65:LYS:HG3	1:B:65:LYS:HA	17	0.2
(1,5030)	1:B:62:ARG:HG3	1:B:62:ARG:HA	18	0.2
(1,5030)	1:B:65:LYS:HG2	1:B:65:LYS:HA	18	0.2
(1,5030)	1:B:65:LYS:HG3	1:B:65:LYS:HA	18	0.2
(1,5029)	1:A:62:ARG:HG3	1:A:62:ARG:HA	17	0.2
(1,5029)	1:A:65:LYS:HG2	1:A:65:LYS:HA	17	0.2
(1,5029)	1:A:65:LYS:HG3	1:A:65:LYS:HA	17	0.2
(1,5029)	1:A:62:ARG:HG3	1:A:62:ARG:HA	18	0.2
(1,5029)	1:A:65:LYS:HG2	1:A:65:LYS:HA	18	0.2
(1,5029)	1:A:65:LYS:HG3	1:A:65:LYS:HA	18	0.2
(1,4974)	1:B:83:LEU:HD22	1:B:80:PHE:HA	3	0.2
(1,4974)	1:B:83:LEU:HD21	1:B:80:PHE:HA	3	0.2
(1,4974)	1:B:83:LEU:HD23	1:B:80:PHE:HA	3	0.2
(1,4974)	1:B:83:LEU:HA	1:B:83:LEU:HD22	3	0.2
(1,4974)	1:B:83:LEU:HA	1:B:83:LEU:HD21	3	0.2
(1,4974)	1:B:83:LEU:HA	1:B:83:LEU:HD23	3	0.2
(1,4974)	1:B:37:THR:HA	1:B:40:LEU:HD22	3	0.2
(1,4974)	1:B:37:THR:HA	1:B:40:LEU:HD21	3	0.2
(1,4974)	1:B:37:THR:HA	1:B:40:LEU:HD23	3	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4974)	1:B:83:LEU:HD22	1:B:80:PHE:HA	4	0.2
(1,4974)	1:B:83:LEU:HD21	1:B:80:PHE:HA	4	0.2
(1,4974)	1:B:83:LEU:HD23	1:B:80:PHE:HA	4	0.2
(1,4974)	1:B:83:LEU:HA	1:B:83:LEU:HD22	4	0.2
(1,4974)	1:B:83:LEU:HA	1:B:83:LEU:HD21	4	0.2
(1,4974)	1:B:83:LEU:HA	1:B:83:LEU:HD23	4	0.2
(1,4974)	1:B:37:THR:HA	1:B:40:LEU:HD22	4	0.2
(1,4974)	1:B:37:THR:HA	1:B:40:LEU:HD21	4	0.2
(1,4974)	1:B:37:THR:HA	1:B:40:LEU:HD23	4	0.2
(1,4973)	1:A:83:LEU:HD22	1:A:80:PHE:HA	3	0.2
(1,4973)	1:A:83:LEU:HD21	1:A:80:PHE:HA	3	0.2
(1,4973)	1:A:83:LEU:HD23	1:A:80:PHE:HA	3	0.2
(1,4973)	1:A:83:LEU:HA	1:A:83:LEU:HD22	3	0.2
(1,4973)	1:A:83:LEU:HA	1:A:83:LEU:HD21	3	0.2
(1,4973)	1:A:83:LEU:HA	1:A:83:LEU:HD23	3	0.2
(1,4973)	1:A:37:THR:HA	1:A:40:LEU:HD22	3	0.2
(1,4973)	1:A:37:THR:HA	1:A:40:LEU:HD21	3	0.2
(1,4973)	1:A:37:THR:HA	1:A:40:LEU:HD23	3	0.2
(1,4973)	1:A:83:LEU:HD22	1:A:80:PHE:HA	4	0.2
(1,4973)	1:A:83:LEU:HD21	1:A:80:PHE:HA	4	0.2
(1,4973)	1:A:83:LEU:HD23	1:A:80:PHE:HA	4	0.2
(1,4973)	1:A:83:LEU:HA	1:A:83:LEU:HD22	4	0.2
(1,4973)	1:A:83:LEU:HA	1:A:83:LEU:HD21	4	0.2
(1,4973)	1:A:83:LEU:HA	1:A:83:LEU:HD23	4	0.2
(1,4973)	1:A:37:THR:HA	1:A:40:LEU:HD22	4	0.2
(1,4973)	1:A:37:THR:HA	1:A:40:LEU:HD21	4	0.2
(1,4973)	1:A:37:THR:HA	1:A:40:LEU:HD23	4	0.2
(1,4857)	1:A:23:LYS:HB2	1:A:23:LYS:HE2	18	0.2
(1,4857)	1:A:23:LYS:HB2	1:A:23:LYS:HE3	18	0.2
(1,4857)	1:A:23:LYS:HB3	1:A:23:LYS:HE2	18	0.2
(1,4857)	1:A:23:LYS:HB3	1:A:23:LYS:HE3	18	0.2
(1,4832)	1:B:12:ARG:HD2	1:B:9:GLU:HA	19	0.2
(1,4832)	1:B:12:ARG:HD3	1:B:9:GLU:HA	19	0.2
(1,4832)	1:B:12:ARG:HD2	1:B:12:ARG:HA	19	0.2
(1,4832)	1:B:12:ARG:HD3	1:B:12:ARG:HA	19	0.2
(1,4826)	1:B:19:ALA:HB2	1:B:15:GLU:HB2	1	0.2
(1,4826)	1:B:19:ALA:HB2	1:B:15:GLU:HB3	1	0.2
(1,4826)	1:B:19:ALA:HB1	1:B:15:GLU:HB2	1	0.2
(1,4826)	1:B:19:ALA:HB1	1:B:15:GLU:HB3	1	0.2
(1,4826)	1:B:19:ALA:HB3	1:B:15:GLU:HB2	1	0.2
(1,4826)	1:B:19:ALA:HB3	1:B:15:GLU:HB3	1	0.2
(1,4826)	1:B:19:ALA:HB2	1:A:9:GLU:HB2	1	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4826)	1:B:19:ALA:HB2	1:A:9:GLU:HB3	1	0.2
(1,4826)	1:B:19:ALA:HB1	1:A:9:GLU:HB2	1	0.2
(1,4826)	1:B:19:ALA:HB1	1:A:9:GLU:HB3	1	0.2
(1,4826)	1:B:19:ALA:HB3	1:A:9:GLU:HB2	1	0.2
(1,4826)	1:B:19:ALA:HB3	1:A:9:GLU:HB3	1	0.2
(1,4826)	1:B:88:ALA:HB2	1:B:89:MET:HB2	1	0.2
(1,4826)	1:B:88:ALA:HB2	1:B:89:MET:HB3	1	0.2
(1,4826)	1:B:88:ALA:HB1	1:B:89:MET:HB2	1	0.2
(1,4826)	1:B:88:ALA:HB1	1:B:89:MET:HB3	1	0.2
(1,4826)	1:B:88:ALA:HB3	1:B:89:MET:HB2	1	0.2
(1,4826)	1:B:88:ALA:HB3	1:B:89:MET:HB3	1	0.2
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB2	1	0.2
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB1	1	0.2
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB3	1	0.2
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB2	1	0.2
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB1	1	0.2
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB3	1	0.2
(1,4826)	1:B:19:ALA:HB2	1:B:15:GLU:HB2	13	0.2
(1,4826)	1:B:19:ALA:HB2	1:B:15:GLU:HB3	13	0.2
(1,4826)	1:B:19:ALA:HB1	1:B:15:GLU:HB2	13	0.2
(1,4826)	1:B:19:ALA:HB1	1:B:15:GLU:HB3	13	0.2
(1,4826)	1:B:19:ALA:HB3	1:B:15:GLU:HB2	13	0.2
(1,4826)	1:B:19:ALA:HB3	1:B:15:GLU:HB3	13	0.2
(1,4826)	1:B:19:ALA:HB2	1:A:9:GLU:HB2	13	0.2
(1,4826)	1:B:19:ALA:HB2	1:A:9:GLU:HB3	13	0.2
(1,4826)	1:B:19:ALA:HB1	1:A:9:GLU:HB2	13	0.2
(1,4826)	1:B:19:ALA:HB1	1:A:9:GLU:HB3	13	0.2
(1,4826)	1:B:19:ALA:HB3	1:A:9:GLU:HB2	13	0.2
(1,4826)	1:B:19:ALA:HB3	1:A:9:GLU:HB3	13	0.2
(1,4826)	1:B:88:ALA:HB2	1:B:89:MET:HB2	13	0.2
(1,4826)	1:B:88:ALA:HB2	1:B:89:MET:HB3	13	0.2
(1,4826)	1:B:88:ALA:HB1	1:B:89:MET:HB2	13	0.2
(1,4826)	1:B:88:ALA:HB1	1:B:89:MET:HB3	13	0.2
(1,4826)	1:B:88:ALA:HB3	1:B:89:MET:HB2	13	0.2
(1,4826)	1:B:88:ALA:HB3	1:B:89:MET:HB3	13	0.2
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB2	13	0.2
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB1	13	0.2
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB3	13	0.2
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB2	13	0.2
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB1	13	0.2
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB3	13	0.2
(1,4826)	1:B:19:ALA:HB2	1:B:15:GLU:HB2	19	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4826)	1:B:19:ALA:HB2	1:B:15:GLU:HB3	19	0.2
(1,4826)	1:B:19:ALA:HB1	1:B:15:GLU:HB2	19	0.2
(1,4826)	1:B:19:ALA:HB1	1:B:15:GLU:HB3	19	0.2
(1,4826)	1:B:19:ALA:HB3	1:B:15:GLU:HB2	19	0.2
(1,4826)	1:B:19:ALA:HB3	1:B:15:GLU:HB3	19	0.2
(1,4826)	1:B:19:ALA:HB2	1:A:9:GLU:HB2	19	0.2
(1,4826)	1:B:19:ALA:HB2	1:A:9:GLU:HB3	19	0.2
(1,4826)	1:B:19:ALA:HB1	1:A:9:GLU:HB2	19	0.2
(1,4826)	1:B:19:ALA:HB1	1:A:9:GLU:HB3	19	0.2
(1,4826)	1:B:19:ALA:HB3	1:A:9:GLU:HB2	19	0.2
(1,4826)	1:B:19:ALA:HB3	1:A:9:GLU:HB3	19	0.2
(1,4826)	1:B:88:ALA:HB2	1:B:89:MET:HB2	19	0.2
(1,4826)	1:B:88:ALA:HB2	1:B:89:MET:HB3	19	0.2
(1,4826)	1:B:88:ALA:HB1	1:B:89:MET:HB2	19	0.2
(1,4826)	1:B:88:ALA:HB1	1:B:89:MET:HB3	19	0.2
(1,4826)	1:B:88:ALA:HB3	1:B:89:MET:HB2	19	0.2
(1,4826)	1:B:88:ALA:HB3	1:B:89:MET:HB3	19	0.2
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB2	19	0.2
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB1	19	0.2
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB3	19	0.2
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB2	19	0.2
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB1	19	0.2
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB3	19	0.2
(1,4825)	1:A:19:ALA:HB2	1:A:15:GLU:HB2	1	0.2
(1,4825)	1:A:19:ALA:HB2	1:A:15:GLU:HB3	1	0.2
(1,4825)	1:A:19:ALA:HB1	1:A:15:GLU:HB2	1	0.2
(1,4825)	1:A:19:ALA:HB1	1:A:15:GLU:HB3	1	0.2
(1,4825)	1:A:19:ALA:HB3	1:A:15:GLU:HB2	1	0.2
(1,4825)	1:A:19:ALA:HB3	1:A:15:GLU:HB3	1	0.2
(1,4825)	1:A:19:ALA:HB2	1:B:9:GLU:HB2	1	0.2
(1,4825)	1:A:19:ALA:HB2	1:B:9:GLU:HB3	1	0.2
(1,4825)	1:A:19:ALA:HB1	1:B:9:GLU:HB2	1	0.2
(1,4825)	1:A:19:ALA:HB1	1:B:9:GLU:HB3	1	0.2
(1,4825)	1:A:19:ALA:HB3	1:B:9:GLU:HB2	1	0.2
(1,4825)	1:A:19:ALA:HB3	1:B:9:GLU:HB3	1	0.2
(1,4825)	1:A:88:ALA:HB2	1:A:89:MET:HB2	1	0.2
(1,4825)	1:A:88:ALA:HB2	1:A:89:MET:HB3	1	0.2
(1,4825)	1:A:88:ALA:HB1	1:A:89:MET:HB2	1	0.2
(1,4825)	1:A:88:ALA:HB1	1:A:89:MET:HB3	1	0.2
(1,4825)	1:A:88:ALA:HB3	1:A:89:MET:HB2	1	0.2
(1,4825)	1:A:88:ALA:HB3	1:A:89:MET:HB3	1	0.2
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB2	1	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB1	1	0.2
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB3	1	0.2
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB2	1	0.2
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB1	1	0.2
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB3	1	0.2
(1,4825)	1:A:19:ALA:HB2	1:A:15:GLU:HB2	13	0.2
(1,4825)	1:A:19:ALA:HB2	1:A:15:GLU:HB3	13	0.2
(1,4825)	1:A:19:ALA:HB1	1:A:15:GLU:HB2	13	0.2
(1,4825)	1:A:19:ALA:HB1	1:A:15:GLU:HB3	13	0.2
(1,4825)	1:A:19:ALA:HB3	1:A:15:GLU:HB2	13	0.2
(1,4825)	1:A:19:ALA:HB3	1:A:15:GLU:HB3	13	0.2
(1,4825)	1:A:19:ALA:HB2	1:B:9:GLU:HB2	13	0.2
(1,4825)	1:A:19:ALA:HB2	1:B:9:GLU:HB3	13	0.2
(1,4825)	1:A:19:ALA:HB1	1:B:9:GLU:HB2	13	0.2
(1,4825)	1:A:19:ALA:HB1	1:B:9:GLU:HB3	13	0.2
(1,4825)	1:A:19:ALA:HB3	1:B:9:GLU:HB2	13	0.2
(1,4825)	1:A:19:ALA:HB3	1:B:9:GLU:HB3	13	0.2
(1,4825)	1:A:88:ALA:HB2	1:A:89:MET:HB2	13	0.2
(1,4825)	1:A:88:ALA:HB2	1:A:89:MET:HB3	13	0.2
(1,4825)	1:A:88:ALA:HB1	1:A:89:MET:HB2	13	0.2
(1,4825)	1:A:88:ALA:HB1	1:A:89:MET:HB3	13	0.2
(1,4825)	1:A:88:ALA:HB3	1:A:89:MET:HB2	13	0.2
(1,4825)	1:A:88:ALA:HB3	1:A:89:MET:HB3	13	0.2
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB2	13	0.2
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB1	13	0.2
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB3	13	0.2
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB2	13	0.2
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB1	13	0.2
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB3	13	0.2
(1,4825)	1:A:19:ALA:HB2	1:A:15:GLU:HB2	19	0.2
(1,4825)	1:A:19:ALA:HB2	1:A:15:GLU:HB3	19	0.2
(1,4825)	1:A:19:ALA:HB1	1:A:15:GLU:HB2	19	0.2
(1,4825)	1:A:19:ALA:HB1	1:A:15:GLU:HB3	19	0.2
(1,4825)	1:A:19:ALA:HB3	1:A:15:GLU:HB2	19	0.2
(1,4825)	1:A:19:ALA:HB3	1:A:15:GLU:HB3	19	0.2
(1,4825)	1:A:19:ALA:HB2	1:B:9:GLU:HB2	19	0.2
(1,4825)	1:A:19:ALA:HB2	1:B:9:GLU:HB3	19	0.2
(1,4825)	1:A:19:ALA:HB1	1:B:9:GLU:HB2	19	0.2
(1,4825)	1:A:19:ALA:HB1	1:B:9:GLU:HB3	19	0.2
(1,4825)	1:A:19:ALA:HB3	1:B:9:GLU:HB2	19	0.2
(1,4825)	1:A:19:ALA:HB3	1:B:9:GLU:HB3	19	0.2
(1,4825)	1:A:88:ALA:HB2	1:A:89:MET:HB2	19	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4825)	1:A:88:ALA:HB2	1:A:89:MET:HB3	19	0.2
(1,4825)	1:A:88:ALA:HB1	1:A:89:MET:HB2	19	0.2
(1,4825)	1:A:88:ALA:HB1	1:A:89:MET:HB3	19	0.2
(1,4825)	1:A:88:ALA:HB3	1:A:89:MET:HB2	19	0.2
(1,4825)	1:A:88:ALA:HB3	1:A:89:MET:HB3	19	0.2
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB2	19	0.2
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB1	19	0.2
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB3	19	0.2
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB2	19	0.2
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB1	19	0.2
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB3	19	0.2
(1,4782)	1:B:8:THR:HB	1:B:7:PRO:HG2	6	0.2
(1,4782)	1:B:8:THR:HB	1:B:7:PRO:HG3	6	0.2
(1,4782)	1:B:74:GLN:HA	1:B:40:LEU:HG	6	0.2
(1,4782)	1:B:8:THR:HB	1:B:7:PRO:HG2	9	0.2
(1,4782)	1:B:8:THR:HB	1:B:7:PRO:HG3	9	0.2
(1,4782)	1:B:74:GLN:HA	1:B:40:LEU:HG	9	0.2
(1,4781)	1:A:8:THR:HB	1:A:7:PRO:HG2	9	0.2
(1,4781)	1:A:8:THR:HB	1:A:7:PRO:HG3	9	0.2
(1,4781)	1:A:74:GLN:HA	1:A:40:LEU:HG	9	0.2
(1,476)	1:B:67:LEU:HB3	1:B:75:LEU:HB2	3	0.2
(1,475)	1:A:67:LEU:HB3	1:A:75:LEU:HB2	3	0.2
(1,4742)	1:B:40:LEU:HD12	1:B:36:LYS:HA	6	0.2
(1,4742)	1:B:40:LEU:HD11	1:B:36:LYS:HA	6	0.2
(1,4742)	1:B:40:LEU:HD13	1:B:36:LYS:HA	6	0.2
(1,4742)	1:B:60:LEU:HD12	1:B:39:PHE:HA	6	0.2
(1,4742)	1:B:60:LEU:HD11	1:B:39:PHE:HA	6	0.2
(1,4742)	1:B:60:LEU:HD13	1:B:39:PHE:HA	6	0.2
(1,4742)	1:B:44:ASN:HA	1:B:60:LEU:HD12	6	0.2
(1,4742)	1:B:44:ASN:HA	1:B:60:LEU:HD11	6	0.2
(1,4742)	1:B:44:ASN:HA	1:B:60:LEU:HD13	6	0.2
(1,4742)	1:B:60:LEU:HD12	1:B:60:LEU:HA	6	0.2
(1,4742)	1:B:60:LEU:HD11	1:B:60:LEU:HA	6	0.2
(1,4742)	1:B:60:LEU:HD13	1:B:60:LEU:HA	6	0.2
(1,4742)	1:B:83:LEU:HD12	1:B:60:LEU:HA	6	0.2
(1,4742)	1:B:83:LEU:HD11	1:B:60:LEU:HA	6	0.2
(1,4742)	1:B:83:LEU:HD13	1:B:60:LEU:HA	6	0.2
(1,4741)	1:A:40:LEU:HD12	1:A:36:LYS:HA	6	0.2
(1,4741)	1:A:40:LEU:HD11	1:A:36:LYS:HA	6	0.2
(1,4741)	1:A:40:LEU:HD13	1:A:36:LYS:HA	6	0.2
(1,4741)	1:A:60:LEU:HD12	1:A:39:PHE:HA	6	0.2
(1,4741)	1:A:60:LEU:HD11	1:A:39:PHE:HA	6	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4741)	1:A:60:LEU:HD13	1:A:39:PHE:HA	6	0.2
(1,4741)	1:A:44:ASN:HA	1:A:60:LEU:HD12	6	0.2
(1,4741)	1:A:44:ASN:HA	1:A:60:LEU:HD11	6	0.2
(1,4741)	1:A:44:ASN:HA	1:A:60:LEU:HD13	6	0.2
(1,4741)	1:A:60:LEU:HD12	1:A:60:LEU:HA	6	0.2
(1,4741)	1:A:60:LEU:HD11	1:A:60:LEU:HA	6	0.2
(1,4741)	1:A:60:LEU:HD13	1:A:60:LEU:HA	6	0.2
(1,4741)	1:A:83:LEU:HD12	1:A:60:LEU:HA	6	0.2
(1,4741)	1:A:83:LEU:HD11	1:A:60:LEU:HA	6	0.2
(1,4741)	1:A:83:LEU:HD13	1:A:60:LEU:HA	6	0.2
(1,4734)	1:B:8:THR:HG21	1:A:46:GLU:HB2	13	0.2
(1,4734)	1:B:8:THR:HG22	1:A:46:GLU:HB2	13	0.2
(1,4734)	1:B:8:THR:HG23	1:A:46:GLU:HB2	13	0.2
(1,4734)	1:B:20:VAL:HG22	1:B:46:GLU:HB2	13	0.2
(1,4734)	1:B:20:VAL:HG21	1:B:46:GLU:HB2	13	0.2
(1,4734)	1:B:20:VAL:HG23	1:B:46:GLU:HB2	13	0.2
(1,4733)	1:A:8:THR:HG21	1:B:46:GLU:HB2	13	0.2
(1,4733)	1:A:8:THR:HG22	1:B:46:GLU:HB2	13	0.2
(1,4733)	1:A:8:THR:HG23	1:B:46:GLU:HB2	13	0.2
(1,4733)	1:A:20:VAL:HG22	1:A:46:GLU:HB2	13	0.2
(1,4733)	1:A:20:VAL:HG21	1:A:46:GLU:HB2	13	0.2
(1,4733)	1:A:20:VAL:HG23	1:A:46:GLU:HB2	13	0.2
(1,4688)	1:B:17:LEU:HD22	1:B:21:PHE:H	9	0.2
(1,4688)	1:B:17:LEU:HD21	1:B:21:PHE:H	9	0.2
(1,4688)	1:B:17:LEU:HD23	1:B:21:PHE:H	9	0.2
(1,4688)	1:B:38:GLU:H	1:B:40:LEU:HD22	9	0.2
(1,4688)	1:B:38:GLU:H	1:B:40:LEU:HD21	9	0.2
(1,4688)	1:B:38:GLU:H	1:B:40:LEU:HD23	9	0.2
(1,4688)	1:B:41:SER:H	1:B:40:LEU:HD22	9	0.2
(1,4688)	1:B:41:SER:H	1:B:40:LEU:HD21	9	0.2
(1,4688)	1:B:41:SER:H	1:B:40:LEU:HD23	9	0.2
(1,4688)	1:B:61:ASP:H	1:B:40:LEU:HD22	9	0.2
(1,4688)	1:B:61:ASP:H	1:B:40:LEU:HD21	9	0.2
(1,4688)	1:B:61:ASP:H	1:B:40:LEU:HD23	9	0.2
(1,4688)	1:B:61:ASP:H	1:B:60:LEU:HD22	9	0.2
(1,4688)	1:B:61:ASP:H	1:B:60:LEU:HD21	9	0.2
(1,4688)	1:B:61:ASP:H	1:B:60:LEU:HD23	9	0.2
(1,4688)	1:B:17:LEU:HD22	1:B:21:PHE:H	20	0.2
(1,4688)	1:B:17:LEU:HD21	1:B:21:PHE:H	20	0.2
(1,4688)	1:B:17:LEU:HD23	1:B:21:PHE:H	20	0.2
(1,4688)	1:B:38:GLU:H	1:B:40:LEU:HD22	20	0.2
(1,4688)	1:B:38:GLU:H	1:B:40:LEU:HD21	20	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4688)	1:B:38:GLU:H	1:B:40:LEU:HD23	20	0.2
(1,4688)	1:B:41:SER:H	1:B:40:LEU:HD22	20	0.2
(1,4688)	1:B:41:SER:H	1:B:40:LEU:HD21	20	0.2
(1,4688)	1:B:41:SER:H	1:B:40:LEU:HD23	20	0.2
(1,4688)	1:B:61:ASP:H	1:B:40:LEU:HD22	20	0.2
(1,4688)	1:B:61:ASP:H	1:B:40:LEU:HD21	20	0.2
(1,4688)	1:B:61:ASP:H	1:B:40:LEU:HD23	20	0.2
(1,4688)	1:B:61:ASP:H	1:B:60:LEU:HD22	20	0.2
(1,4688)	1:B:61:ASP:H	1:B:60:LEU:HD21	20	0.2
(1,4688)	1:B:61:ASP:H	1:B:60:LEU:HD23	20	0.2
(1,4687)	1:A:17:LEU:HD22	1:A:21:PHE:H	9	0.2
(1,4687)	1:A:17:LEU:HD21	1:A:21:PHE:H	9	0.2
(1,4687)	1:A:17:LEU:HD23	1:A:21:PHE:H	9	0.2
(1,4687)	1:A:38:GLU:H	1:A:40:LEU:HD22	9	0.2
(1,4687)	1:A:38:GLU:H	1:A:40:LEU:HD21	9	0.2
(1,4687)	1:A:38:GLU:H	1:A:40:LEU:HD23	9	0.2
(1,4687)	1:A:41:SER:H	1:A:40:LEU:HD22	9	0.2
(1,4687)	1:A:41:SER:H	1:A:40:LEU:HD21	9	0.2
(1,4687)	1:A:41:SER:H	1:A:40:LEU:HD23	9	0.2
(1,4687)	1:A:61:ASP:H	1:A:40:LEU:HD22	9	0.2
(1,4687)	1:A:61:ASP:H	1:A:40:LEU:HD21	9	0.2
(1,4687)	1:A:61:ASP:H	1:A:40:LEU:HD23	9	0.2
(1,4687)	1:A:61:ASP:H	1:A:60:LEU:HD22	9	0.2
(1,4687)	1:A:61:ASP:H	1:A:60:LEU:HD21	9	0.2
(1,4687)	1:A:61:ASP:H	1:A:60:LEU:HD23	9	0.2
(1,4687)	1:A:17:LEU:HD22	1:A:21:PHE:H	20	0.2
(1,4687)	1:A:17:LEU:HD21	1:A:21:PHE:H	20	0.2
(1,4687)	1:A:17:LEU:HD23	1:A:21:PHE:H	20	0.2
(1,4687)	1:A:38:GLU:H	1:A:40:LEU:HD22	20	0.2
(1,4687)	1:A:38:GLU:H	1:A:40:LEU:HD21	20	0.2
(1,4687)	1:A:38:GLU:H	1:A:40:LEU:HD23	20	0.2
(1,4687)	1:A:41:SER:H	1:A:40:LEU:HD22	20	0.2
(1,4687)	1:A:41:SER:H	1:A:40:LEU:HD21	20	0.2
(1,4687)	1:A:41:SER:H	1:A:40:LEU:HD23	20	0.2
(1,4687)	1:A:61:ASP:H	1:A:40:LEU:HD22	20	0.2
(1,4687)	1:A:61:ASP:H	1:A:40:LEU:HD21	20	0.2
(1,4687)	1:A:61:ASP:H	1:A:40:LEU:HD23	20	0.2
(1,4687)	1:A:61:ASP:H	1:A:60:LEU:HD22	20	0.2
(1,4687)	1:A:61:ASP:H	1:A:60:LEU:HD21	20	0.2
(1,4687)	1:A:61:ASP:H	1:A:60:LEU:HD23	20	0.2
(1,4654)	1:B:94:SER:HB2	1:B:99:VAL:HB	2	0.2
(1,4654)	1:B:94:SER:HB3	1:B:99:VAL:HB	2	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4654)	1:B:94:SER:HB2	1:B:100:PRO:HB3	2	0.2
(1,4654)	1:B:94:SER:HB3	1:B:100:PRO:HB3	2	0.2
(1,4654)	1:B:94:SER:HB2	1:B:100:PRO:HG2	2	0.2
(1,4654)	1:B:94:SER:HB3	1:B:100:PRO:HG2	2	0.2
(1,4654)	1:B:94:SER:HB2	1:B:100:PRO:HG3	2	0.2
(1,4654)	1:B:94:SER:HB3	1:B:100:PRO:HG3	2	0.2
(1,4654)	1:B:94:SER:HB2	1:A:11:GLU:HB2	2	0.2
(1,4654)	1:B:94:SER:HB2	1:A:11:GLU:HB3	2	0.2
(1,4654)	1:B:94:SER:HB3	1:A:11:GLU:HB2	2	0.2
(1,4654)	1:B:94:SER:HB3	1:A:11:GLU:HB3	2	0.2
(1,4654)	1:B:94:SER:HB2	1:A:14:ILE:HB	2	0.2
(1,4654)	1:B:94:SER:HB3	1:A:14:ILE:HB	2	0.2
(1,4654)	1:B:94:SER:HB2	1:A:22:GLN:HB2	2	0.2
(1,4654)	1:B:94:SER:HB2	1:A:22:GLN:HB3	2	0.2
(1,4654)	1:B:94:SER:HB3	1:A:22:GLN:HB2	2	0.2
(1,4654)	1:B:94:SER:HB3	1:A:22:GLN:HB3	2	0.2
(1,4654)	1:B:94:SER:HB2	1:B:99:VAL:HB	14	0.2
(1,4654)	1:B:94:SER:HB3	1:B:99:VAL:HB	14	0.2
(1,4654)	1:B:94:SER:HB2	1:B:100:PRO:HB3	14	0.2
(1,4654)	1:B:94:SER:HB3	1:B:100:PRO:HB3	14	0.2
(1,4654)	1:B:94:SER:HB2	1:B:100:PRO:HG2	14	0.2
(1,4654)	1:B:94:SER:HB3	1:B:100:PRO:HG2	14	0.2
(1,4654)	1:B:94:SER:HB2	1:B:100:PRO:HG3	14	0.2
(1,4654)	1:B:94:SER:HB3	1:B:100:PRO:HG3	14	0.2
(1,4654)	1:B:94:SER:HB2	1:A:11:GLU:HB2	14	0.2
(1,4654)	1:B:94:SER:HB2	1:A:11:GLU:HB3	14	0.2
(1,4654)	1:B:94:SER:HB3	1:A:11:GLU:HB2	14	0.2
(1,4654)	1:B:94:SER:HB3	1:A:11:GLU:HB3	14	0.2
(1,4654)	1:B:94:SER:HB2	1:A:14:ILE:HB	14	0.2
(1,4654)	1:B:94:SER:HB3	1:A:14:ILE:HB	14	0.2
(1,4654)	1:B:94:SER:HB2	1:A:22:GLN:HB2	14	0.2
(1,4654)	1:B:94:SER:HB2	1:A:22:GLN:HB3	14	0.2
(1,4654)	1:B:94:SER:HB3	1:A:22:GLN:HB2	14	0.2
(1,4654)	1:B:94:SER:HB3	1:A:22:GLN:HB3	14	0.2
(1,4653)	1:A:94:SER:HB2	1:A:99:VAL:HB	2	0.2
(1,4653)	1:A:94:SER:HB3	1:A:99:VAL:HB	2	0.2
(1,4653)	1:A:94:SER:HB2	1:A:100:PRO:HB3	2	0.2
(1,4653)	1:A:94:SER:HB3	1:A:100:PRO:HB3	2	0.2
(1,4653)	1:A:94:SER:HB2	1:A:100:PRO:HG2	2	0.2
(1,4653)	1:A:94:SER:HB3	1:A:100:PRO:HG2	2	0.2
(1,4653)	1:A:94:SER:HB2	1:A:100:PRO:HG3	2	0.2
(1,4653)	1:A:94:SER:HB3	1:A:100:PRO:HG3	2	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4653)	1:A:94:SER:HB2	1:B:11:GLU:HB2	2	0.2
(1,4653)	1:A:94:SER:HB2	1:B:11:GLU:HB3	2	0.2
(1,4653)	1:A:94:SER:HB3	1:B:11:GLU:HB2	2	0.2
(1,4653)	1:A:94:SER:HB3	1:B:11:GLU:HB3	2	0.2
(1,4653)	1:A:94:SER:HB2	1:B:14:ILE:HB	2	0.2
(1,4653)	1:A:94:SER:HB3	1:B:14:ILE:HB	2	0.2
(1,4653)	1:A:94:SER:HB2	1:B:22:GLN:HB2	2	0.2
(1,4653)	1:A:94:SER:HB2	1:B:22:GLN:HB3	2	0.2
(1,4653)	1:A:94:SER:HB3	1:B:22:GLN:HB2	2	0.2
(1,4653)	1:A:94:SER:HB3	1:B:22:GLN:HB3	2	0.2
(1,4653)	1:A:94:SER:HB2	1:A:99:VAL:HB	14	0.2
(1,4653)	1:A:94:SER:HB3	1:A:99:VAL:HB	14	0.2
(1,4653)	1:A:94:SER:HB2	1:A:100:PRO:HB3	14	0.2
(1,4653)	1:A:94:SER:HB3	1:A:100:PRO:HB3	14	0.2
(1,4653)	1:A:94:SER:HB2	1:A:100:PRO:HG2	14	0.2
(1,4653)	1:A:94:SER:HB3	1:A:100:PRO:HG2	14	0.2
(1,4653)	1:A:94:SER:HB2	1:A:100:PRO:HG3	14	0.2
(1,4653)	1:A:94:SER:HB3	1:A:100:PRO:HG3	14	0.2
(1,4653)	1:A:94:SER:HB2	1:B:11:GLU:HB2	14	0.2
(1,4653)	1:A:94:SER:HB2	1:B:11:GLU:HB3	14	0.2
(1,4653)	1:A:94:SER:HB3	1:B:11:GLU:HB2	14	0.2
(1,4653)	1:A:94:SER:HB3	1:B:11:GLU:HB3	14	0.2
(1,4653)	1:A:94:SER:HB2	1:B:14:ILE:HB	14	0.2
(1,4653)	1:A:94:SER:HB3	1:B:14:ILE:HB	14	0.2
(1,4653)	1:A:94:SER:HB2	1:B:22:GLN:HB2	14	0.2
(1,4653)	1:A:94:SER:HB2	1:B:22:GLN:HB3	14	0.2
(1,4653)	1:A:94:SER:HB3	1:B:22:GLN:HB2	14	0.2
(1,4653)	1:A:94:SER:HB3	1:B:22:GLN:HB3	14	0.2
(1,4516)	1:B:48:ALA:HA	1:B:50:PHE:HB2	18	0.2
(1,4516)	1:B:48:ALA:HA	1:B:50:PHE:HB3	18	0.2
(1,4516)	1:B:49:ALA:HA	1:B:50:PHE:HB2	18	0.2
(1,4516)	1:B:49:ALA:HA	1:B:50:PHE:HB3	18	0.2
(1,4516)	1:B:94:SER:HB2	1:B:95:PHE:HB2	18	0.2
(1,4516)	1:B:94:SER:HB2	1:B:95:PHE:HB3	18	0.2
(1,4516)	1:B:94:SER:HB3	1:B:95:PHE:HB2	18	0.2
(1,4516)	1:B:94:SER:HB3	1:B:95:PHE:HB3	18	0.2
(1,4515)	1:A:48:ALA:HA	1:A:50:PHE:HB2	18	0.2
(1,4515)	1:A:48:ALA:HA	1:A:50:PHE:HB3	18	0.2
(1,4515)	1:A:49:ALA:HA	1:A:50:PHE:HB2	18	0.2
(1,4515)	1:A:49:ALA:HA	1:A:50:PHE:HB3	18	0.2
(1,4515)	1:A:94:SER:HB2	1:A:95:PHE:HB2	18	0.2
(1,4515)	1:A:94:SER:HB2	1:A:95:PHE:HB3	18	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4515)	1:A:94:SER:HB3	1:A:95:PHE:HB2	18	0.2
(1,4515)	1:A:94:SER:HB3	1:A:95:PHE:HB3	18	0.2
(1,4488)	1:B:84:ILE:HB	1:B:17:LEU:HD22	15	0.2
(1,4488)	1:B:84:ILE:HB	1:B:17:LEU:HD21	15	0.2
(1,4488)	1:B:84:ILE:HB	1:B:17:LEU:HD23	15	0.2
(1,4488)	1:B:84:ILE:HB	1:B:81:LEU:HG	15	0.2
(1,4488)	1:B:84:ILE:HB	1:B:83:LEU:HD22	15	0.2
(1,4488)	1:B:84:ILE:HB	1:B:83:LEU:HD21	15	0.2
(1,4488)	1:B:84:ILE:HB	1:B:83:LEU:HD23	15	0.2
(1,4487)	1:A:84:ILE:HB	1:A:17:LEU:HD22	15	0.2
(1,4487)	1:A:84:ILE:HB	1:A:17:LEU:HD21	15	0.2
(1,4487)	1:A:84:ILE:HB	1:A:17:LEU:HD23	15	0.2
(1,4487)	1:A:84:ILE:HB	1:A:81:LEU:HG	15	0.2
(1,4487)	1:A:84:ILE:HB	1:A:83:LEU:HD22	15	0.2
(1,4487)	1:A:84:ILE:HB	1:A:83:LEU:HD21	15	0.2
(1,4487)	1:A:84:ILE:HB	1:A:83:LEU:HD23	15	0.2
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD22	17	0.2
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD21	17	0.2
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD23	17	0.2
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD22	17	0.2
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD21	17	0.2
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD23	17	0.2
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD22	17	0.2
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD21	17	0.2
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD23	17	0.2
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD12	17	0.2
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD11	17	0.2
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD13	17	0.2
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD12	17	0.2
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD11	17	0.2
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD13	17	0.2
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD12	17	0.2
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD11	17	0.2
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD13	17	0.2
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD22	10	0.2
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD21	10	0.2
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD23	10	0.2
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD22	10	0.2
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD21	10	0.2
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD23	10	0.2
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD22	10	0.2
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD21	10	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD23	10	0.2
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD12	10	0.2
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD11	10	0.2
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD13	10	0.2
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD12	10	0.2
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD11	10	0.2
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD13	10	0.2
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD12	10	0.2
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD11	10	0.2
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD13	10	0.2
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD22	17	0.2
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD21	17	0.2
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD23	17	0.2
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD22	17	0.2
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD21	17	0.2
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD23	17	0.2
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD22	17	0.2
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD21	17	0.2
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD23	17	0.2
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD12	17	0.2
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD11	17	0.2
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD13	17	0.2
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD12	17	0.2
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD11	17	0.2
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD13	17	0.2
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD12	17	0.2
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD11	17	0.2
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD13	17	0.2
(1,4334)	1:B:74:GLN:HB3	1:B:68:ASP:HB2	2	0.2
(1,4334)	1:B:18:ILE:HB	1:B:21:PHE:HB2	2	0.2
(1,4334)	1:B:64:MET:HB3	1:B:68:ASP:HB2	2	0.2
(1,4334)	1:B:68:ASP:HB2	1:B:67:LEU:HB2	2	0.2
(1,4334)	1:B:74:GLN:HB3	1:B:68:ASP:HB2	13	0.2
(1,4334)	1:B:18:ILE:HB	1:B:21:PHE:HB2	13	0.2
(1,4334)	1:B:64:MET:HB3	1:B:68:ASP:HB2	13	0.2
(1,4334)	1:B:68:ASP:HB2	1:B:67:LEU:HB2	13	0.2
(1,4333)	1:A:74:GLN:HB3	1:A:68:ASP:HB2	2	0.2
(1,4333)	1:A:18:ILE:HB	1:A:21:PHE:HB2	2	0.2
(1,4333)	1:A:64:MET:HB3	1:A:68:ASP:HB2	2	0.2
(1,4333)	1:A:68:ASP:HB2	1:A:67:LEU:HB2	2	0.2
(1,4333)	1:A:74:GLN:HB3	1:A:68:ASP:HB2	13	0.2
(1,4333)	1:A:18:ILE:HB	1:A:21:PHE:HB2	13	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4333)	1:A:64:MET:HB3	1:A:68:ASP:HB2	13	0.2
(1,4333)	1:A:68:ASP:HB2	1:A:67:LEU:HB2	13	0.2
(1,4316)	1:B:22:GLN:HA	1:B:19:ALA:HA	10	0.2
(1,4316)	1:B:25:ALA:HA	1:B:22:GLN:HA	10	0.2
(1,4316)	1:B:22:GLN:HA	1:B:26:GLY:HA2	10	0.2
(1,4316)	1:B:37:THR:HA	1:B:40:LEU:HA	10	0.2
(1,4315)	1:A:22:GLN:HA	1:A:19:ALA:HA	10	0.2
(1,4315)	1:A:25:ALA:HA	1:A:22:GLN:HA	10	0.2
(1,4315)	1:A:22:GLN:HA	1:A:26:GLY:HA2	10	0.2
(1,4315)	1:A:37:THR:HA	1:A:40:LEU:HA	10	0.2
(1,4270)	1:B:25:ALA:HB2	1:B:21:PHE:HB2	2	0.2
(1,4270)	1:B:25:ALA:HB1	1:B:21:PHE:HB2	2	0.2
(1,4270)	1:B:25:ALA:HB3	1:B:21:PHE:HB2	2	0.2
(1,4270)	1:B:25:ALA:HB2	1:B:24:TYR:HB2	2	0.2
(1,4270)	1:B:25:ALA:HB1	1:B:24:TYR:HB2	2	0.2
(1,4270)	1:B:25:ALA:HB3	1:B:24:TYR:HB2	2	0.2
(1,4269)	1:A:25:ALA:HB2	1:A:21:PHE:HB2	2	0.2
(1,4269)	1:A:25:ALA:HB1	1:A:21:PHE:HB2	2	0.2
(1,4269)	1:A:25:ALA:HB3	1:A:21:PHE:HB2	2	0.2
(1,4269)	1:A:25:ALA:HB2	1:A:24:TYR:HB2	2	0.2
(1,4269)	1:A:25:ALA:HB1	1:A:24:TYR:HB2	2	0.2
(1,4269)	1:A:25:ALA:HB3	1:A:24:TYR:HB2	2	0.2
(1,4246)	1:B:89:MET:HB2	1:B:85:GLY:H	2	0.2
(1,4246)	1:B:89:MET:HB3	1:B:85:GLY:H	2	0.2
(1,4246)	1:B:100:PRO:HB2	1:A:22:GLN:H	2	0.2
(1,4246)	1:B:89:MET:HB2	1:B:85:GLY:H	15	0.2
(1,4246)	1:B:89:MET:HB3	1:B:85:GLY:H	15	0.2
(1,4246)	1:B:100:PRO:HB2	1:A:22:GLN:H	15	0.2
(1,4245)	1:A:89:MET:HB2	1:A:85:GLY:H	2	0.2
(1,4245)	1:A:89:MET:HB3	1:A:85:GLY:H	2	0.2
(1,4245)	1:A:100:PRO:HB2	1:B:22:GLN:H	2	0.2
(1,4245)	1:A:89:MET:HB2	1:A:85:GLY:H	15	0.2
(1,4245)	1:A:89:MET:HB3	1:A:85:GLY:H	15	0.2
(1,4245)	1:A:100:PRO:HB2	1:B:22:GLN:H	15	0.2
(1,4245)	1:A:89:MET:HB2	1:A:85:GLY:H	17	0.2
(1,4245)	1:A:89:MET:HB3	1:A:85:GLY:H	17	0.2
(1,4245)	1:A:100:PRO:HB2	1:B:22:GLN:H	17	0.2
(1,4230)	1:B:11:GLU:HB2	1:B:13:CYS:HB3	6	0.2
(1,4230)	1:B:11:GLU:HB3	1:B:13:CYS:HB3	6	0.2
(1,4230)	1:B:12:ARG:HB2	1:B:13:CYS:HB3	6	0.2
(1,4230)	1:B:12:ARG:HB3	1:B:13:CYS:HB3	6	0.2
(1,4230)	1:B:14:ILE:HB	1:B:13:CYS:HB3	6	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4230)	1:B:91:CYS:HB2	1:A:14:ILE:HB	6	0.2
(1,4230)	1:B:91:CYS:HB3	1:A:14:ILE:HB	6	0.2
(1,4184)	1:B:13:CYS:HA	1:B:15:GLU:HB2	13	0.2
(1,4184)	1:B:13:CYS:HA	1:B:15:GLU:HB3	13	0.2
(1,4184)	1:B:13:CYS:HA	1:B:17:LEU:HG	13	0.2
(1,4154)	1:B:82:ASN:HA	1:B:81:LEU:HB2	2	0.2
(1,4154)	1:B:82:ASN:HA	1:B:83:LEU:HB3	2	0.2
(1,4154)	1:B:82:ASN:HA	1:A:81:LEU:HB2	2	0.2
(1,4154)	1:B:82:ASN:HA	1:B:81:LEU:HB2	5	0.2
(1,4154)	1:B:82:ASN:HA	1:B:83:LEU:HB3	5	0.2
(1,4154)	1:B:82:ASN:HA	1:A:81:LEU:HB2	5	0.2
(1,4154)	1:B:82:ASN:HA	1:B:81:LEU:HB2	19	0.2
(1,4154)	1:B:82:ASN:HA	1:B:83:LEU:HB3	19	0.2
(1,4154)	1:B:82:ASN:HA	1:A:81:LEU:HB2	19	0.2
(1,4153)	1:A:82:ASN:HA	1:A:81:LEU:HB2	2	0.2
(1,4153)	1:A:82:ASN:HA	1:A:83:LEU:HB3	2	0.2
(1,4153)	1:A:82:ASN:HA	1:B:81:LEU:HB2	2	0.2
(1,4153)	1:A:82:ASN:HA	1:A:81:LEU:HB2	5	0.2
(1,4153)	1:A:82:ASN:HA	1:A:83:LEU:HB3	5	0.2
(1,4153)	1:A:82:ASN:HA	1:B:81:LEU:HB2	5	0.2
(1,4153)	1:A:82:ASN:HA	1:A:81:LEU:HB2	19	0.2
(1,4153)	1:A:82:ASN:HA	1:A:83:LEU:HB3	19	0.2
(1,4153)	1:A:82:ASN:HA	1:B:81:LEU:HB2	19	0.2
(1,4066)	1:B:44:ASN:HB3	1:B:40:LEU:HD12	5	0.2
(1,4066)	1:B:44:ASN:HB3	1:B:40:LEU:HD11	5	0.2
(1,4066)	1:B:44:ASN:HB3	1:B:40:LEU:HD13	5	0.2
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD22	5	0.2
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD21	5	0.2
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD23	5	0.2
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD12	5	0.2
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD11	5	0.2
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD13	5	0.2
(1,4065)	1:A:44:ASN:HB3	1:A:40:LEU:HD12	5	0.2
(1,4065)	1:A:44:ASN:HB3	1:A:40:LEU:HD11	5	0.2
(1,4065)	1:A:44:ASN:HB3	1:A:40:LEU:HD13	5	0.2
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD22	5	0.2
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD21	5	0.2
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD23	5	0.2
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD12	5	0.2
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD11	5	0.2
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD13	5	0.2
(1,4057)	1:A:18:ILE:HG22	1:B:91:CYS:HB2	4	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4057)	1:A:18:ILE:HG22	1:B:91:CYS:HB3	4	0.2
(1,4057)	1:A:18:ILE:HG21	1:B:91:CYS:HB2	4	0.2
(1,4057)	1:A:18:ILE:HG21	1:B:91:CYS:HB3	4	0.2
(1,4057)	1:A:18:ILE:HG23	1:B:91:CYS:HB2	4	0.2
(1,4057)	1:A:18:ILE:HG23	1:B:91:CYS:HB3	4	0.2
(1,4057)	1:A:21:PHE:HB2	1:A:18:ILE:HG22	4	0.2
(1,4057)	1:A:21:PHE:HB2	1:A:18:ILE:HG21	4	0.2
(1,4057)	1:A:21:PHE:HB2	1:A:18:ILE:HG23	4	0.2
(1,4024)	1:B:83:LEU:HB3	1:B:66:LYS:HE2	17	0.2
(1,4024)	1:B:83:LEU:HB3	1:B:66:LYS:HE3	17	0.2
(1,4024)	1:B:83:LEU:HB3	1:B:82:ASN:HB2	17	0.2
(1,4023)	1:A:83:LEU:HB3	1:A:66:LYS:HE2	17	0.2
(1,4023)	1:A:83:LEU:HB3	1:A:66:LYS:HE3	17	0.2
(1,4023)	1:A:83:LEU:HB3	1:A:82:ASN:HB2	17	0.2
(1,4012)	1:B:81:LEU:HD22	1:A:89:MET:HG3	4	0.2
(1,4012)	1:B:81:LEU:HD21	1:A:89:MET:HG3	4	0.2
(1,4012)	1:B:81:LEU:HD23	1:A:89:MET:HG3	4	0.2
(1,4012)	1:B:81:LEU:HD22	1:B:21:PHE:HB3	4	0.2
(1,4012)	1:B:81:LEU:HD21	1:B:21:PHE:HB3	4	0.2
(1,4012)	1:B:81:LEU:HD23	1:B:21:PHE:HB3	4	0.2
(1,4011)	1:A:81:LEU:HD22	1:B:89:MET:HG3	13	0.2
(1,4011)	1:A:81:LEU:HD21	1:B:89:MET:HG3	13	0.2
(1,4011)	1:A:81:LEU:HD23	1:B:89:MET:HG3	13	0.2
(1,4011)	1:A:81:LEU:HD22	1:A:21:PHE:HB3	13	0.2
(1,4011)	1:A:81:LEU:HD21	1:A:21:PHE:HB3	13	0.2
(1,4011)	1:A:81:LEU:HD23	1:A:21:PHE:HB3	13	0.2
(1,3936)	1:B:82:ASN:HB3	1:B:66:LYS:HD2	16	0.2
(1,3936)	1:B:82:ASN:HB3	1:B:66:LYS:HD3	16	0.2
(1,3936)	1:B:82:ASN:HB3	1:B:67:LEU:HB2	16	0.2
(1,3936)	1:B:82:ASN:HB3	1:B:83:LEU:HB3	16	0.2
(1,3935)	1:A:82:ASN:HB3	1:A:66:LYS:HD2	16	0.2
(1,3935)	1:A:82:ASN:HB3	1:A:66:LYS:HD3	16	0.2
(1,3935)	1:A:82:ASN:HB3	1:A:67:LEU:HB2	16	0.2
(1,3935)	1:A:82:ASN:HB3	1:A:83:LEU:HB3	16	0.2
(1,3786)	1:B:63:MET:HG3	1:B:61:ASP:H	18	0.2
(1,3786)	1:B:89:MET:HG3	1:B:87:LEU:H	18	0.2
(1,3785)	1:A:63:MET:HG3	1:A:61:ASP:H	18	0.2
(1,3785)	1:A:89:MET:HG3	1:A:87:LEU:H	18	0.2
(1,3736)	1:B:37:THR:HB	1:B:35:SER:HA	5	0.2
(1,3736)	1:B:51:THR:HB	1:B:53:ASN:HA	5	0.2
(1,3735)	1:A:37:THR:HB	1:A:35:SER:HA	5	0.2
(1,3735)	1:A:51:THR:HB	1:A:53:ASN:HA	5	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3678)	1:B:74:GLN:HG2	1:B:33:THR:HA	5	0.2
(1,3678)	1:B:74:GLN:HG3	1:B:33:THR:HA	5	0.2
(1,3678)	1:B:74:GLN:HG2	1:B:34:LEU:HA	5	0.2
(1,3678)	1:B:74:GLN:HG3	1:B:34:LEU:HA	5	0.2
(1,3677)	1:A:74:GLN:HG2	1:A:33:THR:HA	5	0.2
(1,3677)	1:A:74:GLN:HG3	1:A:33:THR:HA	5	0.2
(1,3677)	1:A:74:GLN:HG2	1:A:34:LEU:HA	5	0.2
(1,3677)	1:A:74:GLN:HG3	1:A:34:LEU:HA	5	0.2
(1,3626)	1:B:34:LEU:HA	1:B:24:TYR:HB2	15	0.2
(1,3626)	1:B:34:LEU:HA	1:B:27:LYS:HE2	15	0.2
(1,3626)	1:B:34:LEU:HA	1:B:27:LYS:HE3	15	0.2
(1,3625)	1:A:34:LEU:HA	1:A:24:TYR:HB2	15	0.2
(1,3625)	1:A:34:LEU:HA	1:A:27:LYS:HE2	15	0.2
(1,3625)	1:A:34:LEU:HA	1:A:27:LYS:HE3	15	0.2
(1,3500)	1:B:29:GLY:HA2	1:B:28:ASP:HB2	19	0.2
(1,3500)	1:B:73:GLY:HA2	1:B:72:ASP:HB2	19	0.2
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD22	3	0.2
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD21	3	0.2
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD23	3	0.2
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD22	3	0.2
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD21	3	0.2
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD23	3	0.2
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD22	6	0.2
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD21	6	0.2
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD23	6	0.2
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD22	6	0.2
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD21	6	0.2
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD23	6	0.2
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD22	8	0.2
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD21	8	0.2
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD23	8	0.2
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD22	8	0.2
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD21	8	0.2
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD23	8	0.2
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD22	6	0.2
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD21	6	0.2
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD23	6	0.2
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD22	6	0.2
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD21	6	0.2
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD23	6	0.2
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD22	19	0.2
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD21	19	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD23	19	0.2
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD22	19	0.2
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD21	19	0.2
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD23	19	0.2
(1,3466)	1:B:100:PRO:HD2	1:B:96:LEU:HB3	5	0.2
(1,3466)	1:B:100:PRO:HD2	1:B:98:ALA:HB2	5	0.2
(1,3466)	1:B:100:PRO:HD2	1:B:98:ALA:HB1	5	0.2
(1,3466)	1:B:100:PRO:HD2	1:B:98:ALA:HB3	5	0.2
(1,3465)	1:A:100:PRO:HD2	1:A:96:LEU:HB3	5	0.2
(1,3465)	1:A:100:PRO:HD2	1:A:98:ALA:HB2	5	0.2
(1,3465)	1:A:100:PRO:HD2	1:A:98:ALA:HB1	5	0.2
(1,3465)	1:A:100:PRO:HD2	1:A:98:ALA:HB3	5	0.2
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD22	14	0.2
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD21	14	0.2
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD23	14	0.2
(1,3138)	1:B:76:ASP:H	1:B:75:LEU:HD22	20	0.2
(1,3138)	1:B:76:ASP:H	1:B:75:LEU:HD21	20	0.2
(1,3138)	1:B:76:ASP:H	1:B:75:LEU:HD23	20	0.2
(1,3137)	1:A:76:ASP:H	1:A:75:LEU:HD22	20	0.2
(1,3137)	1:A:76:ASP:H	1:A:75:LEU:HD21	20	0.2
(1,3137)	1:A:76:ASP:H	1:A:75:LEU:HD23	20	0.2
(1,3092)	1:B:75:LEU:H	1:B:75:LEU:HB3	3	0.2
(1,3092)	1:B:75:LEU:H	1:B:75:LEU:HB3	13	0.2
(1,3091)	1:A:75:LEU:H	1:A:75:LEU:HB3	3	0.2
(1,267)	1:A:75:LEU:HB3	1:A:39:PHE:HB3	11	0.2
(1,2630)	1:B:69:THR:H	1:B:67:LEU:HB2	2	0.2
(1,2630)	1:B:69:THR:H	1:B:67:LEU:HB2	7	0.2
(1,2630)	1:B:69:THR:H	1:B:67:LEU:HB2	18	0.2
(1,2629)	1:A:69:THR:H	1:A:67:LEU:HB2	2	0.2
(1,2629)	1:A:69:THR:H	1:A:67:LEU:HB2	7	0.2
(1,2629)	1:A:69:THR:H	1:A:67:LEU:HB2	18	0.2
(1,188)	1:B:42:PHE:HA	1:B:34:LEU:HD22	20	0.2
(1,188)	1:B:42:PHE:HA	1:B:34:LEU:HD21	20	0.2
(1,188)	1:B:42:PHE:HA	1:B:34:LEU:HD23	20	0.2
(1,1870)	1:B:20:VAL:HG12	1:B:21:PHE:H	12	0.2
(1,1870)	1:B:20:VAL:HG11	1:B:21:PHE:H	12	0.2
(1,1870)	1:B:20:VAL:HG13	1:B:21:PHE:H	12	0.2
(1,1870)	1:B:20:VAL:HG12	1:B:21:PHE:H	18	0.2
(1,1870)	1:B:20:VAL:HG11	1:B:21:PHE:H	18	0.2
(1,1870)	1:B:20:VAL:HG13	1:B:21:PHE:H	18	0.2
(1,1869)	1:A:20:VAL:HG12	1:A:21:PHE:H	12	0.2
(1,1869)	1:A:20:VAL:HG11	1:A:21:PHE:H	12	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1869)	1:A:20:VAL:HG13	1:A:21:PHE:H	12	0.2
(1,1869)	1:A:20:VAL:HG12	1:A:21:PHE:H	18	0.2
(1,1869)	1:A:20:VAL:HG11	1:A:21:PHE:H	18	0.2
(1,1869)	1:A:20:VAL:HG13	1:A:21:PHE:H	18	0.2
(1,1858)	1:B:57:PRO:HD2	1:B:57:PRO:HA	17	0.2
(1,1858)	1:B:57:PRO:HD3	1:B:57:PRO:HA	17	0.2
(1,1857)	1:A:57:PRO:HD2	1:A:57:PRO:HA	17	0.2
(1,1857)	1:A:57:PRO:HD3	1:A:57:PRO:HA	17	0.2
(1,1822)	1:B:11:GLU:HG3	1:B:11:GLU:HA	9	0.2
(1,1821)	1:A:11:GLU:HG3	1:A:11:GLU:HA	9	0.2
(1,1638)	1:B:38:GLU:HA	1:B:27:LYS:HD2	20	0.2
(1,1638)	1:B:38:GLU:HA	1:B:27:LYS:HD3	20	0.2
(1,1637)	1:A:38:GLU:HA	1:A:27:LYS:HD2	20	0.2
(1,1637)	1:A:38:GLU:HA	1:A:27:LYS:HD3	20	0.2
(1,1528)	1:B:65:LYS:H	1:B:64:MET:HG2	13	0.2
(1,1528)	1:B:65:LYS:H	1:B:64:MET:HG3	13	0.2
(1,1527)	1:A:65:LYS:H	1:A:64:MET:HG2	13	0.2
(1,1527)	1:A:65:LYS:H	1:A:64:MET:HG3	13	0.2
(1,1016)	1:B:9:GLU:HG2	1:B:13:CYS:HB3	9	0.2
(1,1016)	1:B:9:GLU:HG3	1:B:13:CYS:HB3	9	0.2
(1,1015)	1:A:9:GLU:HG2	1:A:13:CYS:HB3	9	0.2
(1,1015)	1:A:9:GLU:HG3	1:A:13:CYS:HB3	9	0.2
(2,78)	1:B:61:ASP:HA	1:B:59:VAL:HA	13	0.19
(2,78)	1:B:61:ASP:HA	1:B:59:VAL:HA	18	0.19
(2,78)	1:B:61:ASP:HA	1:B:59:VAL:HA	20	0.19
(2,77)	1:A:61:ASP:HA	1:A:59:VAL:HA	13	0.19
(2,77)	1:A:61:ASP:HA	1:A:59:VAL:HA	18	0.19
(2,57)	1:A:8:THR:HB	1:B:45:THR:HB	6	0.19
(1,986)	1:B:61:ASP:H	1:B:58:GLY:HA3	7	0.19
(1,933)	1:A:97:LYS:HA	1:A:97:LYS:HE2	10	0.19
(1,933)	1:A:97:LYS:HA	1:A:97:LYS:HE3	10	0.19
(1,89)	1:A:15:GLU:HB2	1:B:9:GLU:HG2	6	0.19
(1,89)	1:A:15:GLU:HB2	1:B:9:GLU:HG3	6	0.19
(1,89)	1:A:15:GLU:HB3	1:B:9:GLU:HG2	6	0.19
(1,89)	1:A:15:GLU:HB3	1:B:9:GLU:HG3	6	0.19
(1,87)	1:A:15:GLU:HB2	1:B:9:GLU:HG2	6	0.19
(1,87)	1:A:15:GLU:HB2	1:B:9:GLU:HG3	6	0.19
(1,87)	1:A:15:GLU:HB3	1:B:9:GLU:HG2	6	0.19
(1,87)	1:A:15:GLU:HB3	1:B:9:GLU:HG3	6	0.19
(1,686)	1:B:84:ILE:HB	1:B:83:LEU:HG	18	0.19
(1,685)	1:A:84:ILE:HB	1:A:83:LEU:HG	18	0.19
(1,621)	1:A:63:MET:H	1:A:62:ARG:HG2	9	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,610)	1:B:63:MET:H	1:B:62:ARG:HG2	13	0.19
(1,5622)	1:B:47:LEU:H	1:B:45:THR:HG21	11	0.19
(1,5622)	1:B:47:LEU:H	1:B:45:THR:HG22	11	0.19
(1,5622)	1:B:47:LEU:H	1:B:45:THR:HG23	11	0.19
(1,5622)	1:B:47:LEU:H	1:B:48:ALA:HB2	11	0.19
(1,5622)	1:B:47:LEU:H	1:B:48:ALA:HB1	11	0.19
(1,5622)	1:B:47:LEU:H	1:B:48:ALA:HB3	11	0.19
(1,5622)	1:B:47:LEU:H	1:B:45:THR:HG21	18	0.19
(1,5622)	1:B:47:LEU:H	1:B:45:THR:HG22	18	0.19
(1,5622)	1:B:47:LEU:H	1:B:45:THR:HG23	18	0.19
(1,5622)	1:B:47:LEU:H	1:B:48:ALA:HB2	18	0.19
(1,5622)	1:B:47:LEU:H	1:B:48:ALA:HB1	18	0.19
(1,5622)	1:B:47:LEU:H	1:B:48:ALA:HB3	18	0.19
(1,5621)	1:A:47:LEU:H	1:A:45:THR:HG21	11	0.19
(1,5621)	1:A:47:LEU:H	1:A:45:THR:HG22	11	0.19
(1,5621)	1:A:47:LEU:H	1:A:45:THR:HG23	11	0.19
(1,5621)	1:A:47:LEU:H	1:A:48:ALA:HB2	11	0.19
(1,5621)	1:A:47:LEU:H	1:A:48:ALA:HB1	11	0.19
(1,5621)	1:A:47:LEU:H	1:A:48:ALA:HB3	11	0.19
(1,5621)	1:A:47:LEU:H	1:A:45:THR:HG21	18	0.19
(1,5621)	1:A:47:LEU:H	1:A:45:THR:HG22	18	0.19
(1,5621)	1:A:47:LEU:H	1:A:45:THR:HG23	18	0.19
(1,5621)	1:A:47:LEU:H	1:A:48:ALA:HB2	18	0.19
(1,5621)	1:A:47:LEU:H	1:A:48:ALA:HB1	18	0.19
(1,5621)	1:A:47:LEU:H	1:A:48:ALA:HB3	18	0.19
(1,5530)	1:B:36:LYS:H	1:B:40:LEU:HD22	13	0.19
(1,5530)	1:B:36:LYS:H	1:B:40:LEU:HD21	13	0.19
(1,5530)	1:B:36:LYS:H	1:B:40:LEU:HD23	13	0.19
(1,5530)	1:B:39:PHE:H	1:B:40:LEU:HD22	13	0.19
(1,5530)	1:B:39:PHE:H	1:B:40:LEU:HD21	13	0.19
(1,5530)	1:B:39:PHE:H	1:B:40:LEU:HD23	13	0.19
(1,5530)	1:B:36:LYS:H	1:B:40:LEU:HD22	14	0.19
(1,5530)	1:B:36:LYS:H	1:B:40:LEU:HD21	14	0.19
(1,5530)	1:B:36:LYS:H	1:B:40:LEU:HD23	14	0.19
(1,5530)	1:B:39:PHE:H	1:B:40:LEU:HD22	14	0.19
(1,5530)	1:B:39:PHE:H	1:B:40:LEU:HD21	14	0.19
(1,5530)	1:B:39:PHE:H	1:B:40:LEU:HD23	14	0.19
(1,5530)	1:B:36:LYS:H	1:B:40:LEU:HD22	16	0.19
(1,5530)	1:B:36:LYS:H	1:B:40:LEU:HD21	16	0.19
(1,5530)	1:B:36:LYS:H	1:B:40:LEU:HD23	16	0.19
(1,5530)	1:B:39:PHE:H	1:B:40:LEU:HD22	16	0.19
(1,5530)	1:B:39:PHE:H	1:B:40:LEU:HD21	16	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5530)	1:B:39:PHE:H	1:B:40:LEU:HD23	16	0.19
(1,5529)	1:A:36:LYS:H	1:A:40:LEU:HD22	13	0.19
(1,5529)	1:A:36:LYS:H	1:A:40:LEU:HD21	13	0.19
(1,5529)	1:A:36:LYS:H	1:A:40:LEU:HD23	13	0.19
(1,5529)	1:A:39:PHE:H	1:A:40:LEU:HD22	13	0.19
(1,5529)	1:A:39:PHE:H	1:A:40:LEU:HD21	13	0.19
(1,5529)	1:A:39:PHE:H	1:A:40:LEU:HD23	13	0.19
(1,5529)	1:A:36:LYS:H	1:A:40:LEU:HD22	14	0.19
(1,5529)	1:A:36:LYS:H	1:A:40:LEU:HD21	14	0.19
(1,5529)	1:A:36:LYS:H	1:A:40:LEU:HD23	14	0.19
(1,5529)	1:A:39:PHE:H	1:A:40:LEU:HD22	14	0.19
(1,5529)	1:A:39:PHE:H	1:A:40:LEU:HD21	14	0.19
(1,5529)	1:A:39:PHE:H	1:A:40:LEU:HD23	14	0.19
(1,5462)	1:B:45:THR:H	1:B:46:GLU:HB3	5	0.19
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG21	5	0.19
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG22	5	0.19
(1,5462)	1:B:45:THR:H	1:B:51:THR:HG23	5	0.19
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD12	5	0.19
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD11	5	0.19
(1,5462)	1:B:45:THR:H	1:B:60:LEU:HD13	5	0.19
(1,5461)	1:A:45:THR:H	1:A:46:GLU:HB3	5	0.19
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG21	5	0.19
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG22	5	0.19
(1,5461)	1:A:45:THR:H	1:A:51:THR:HG23	5	0.19
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD12	5	0.19
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD11	5	0.19
(1,5461)	1:A:45:THR:H	1:A:60:LEU:HD13	5	0.19
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG22	18	0.19
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG21	18	0.19
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG23	18	0.19
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD12	18	0.19
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD11	18	0.19
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD13	18	0.19
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD22	18	0.19
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD21	18	0.19
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD23	18	0.19
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG22	18	0.19
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG21	18	0.19
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG23	18	0.19
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD12	18	0.19
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD11	18	0.19
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD13	18	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD22	18	0.19
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD21	18	0.19
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD23	18	0.19
(1,540)	1:B:16:SER:HA	1:B:15:GLU:H	2	0.19
(1,540)	1:B:16:SER:HA	1:B:15:GLU:H	3	0.19
(1,540)	1:B:16:SER:HA	1:B:15:GLU:H	4	0.19
(1,540)	1:B:16:SER:HA	1:B:15:GLU:H	12	0.19
(1,540)	1:B:16:SER:HA	1:B:15:GLU:H	19	0.19
(1,539)	1:A:16:SER:HA	1:A:15:GLU:H	1	0.19
(1,539)	1:A:16:SER:HA	1:A:15:GLU:H	2	0.19
(1,539)	1:A:16:SER:HA	1:A:15:GLU:H	3	0.19
(1,539)	1:A:16:SER:HA	1:A:15:GLU:H	4	0.19
(1,539)	1:A:16:SER:HA	1:A:15:GLU:H	12	0.19
(1,539)	1:A:16:SER:HA	1:A:15:GLU:H	19	0.19
(1,5216)	1:B:34:LEU:H	1:B:21:PHE:HB3	1	0.19
(1,5216)	1:B:34:LEU:H	1:B:22:GLN:HG2	1	0.19
(1,5216)	1:B:34:LEU:H	1:B:22:GLN:HG3	1	0.19
(1,5216)	1:B:34:LEU:H	1:B:64:MET:HG2	1	0.19
(1,5216)	1:B:34:LEU:H	1:B:64:MET:HG3	1	0.19
(1,5216)	1:B:34:LEU:H	1:B:77:PHE:HB2	1	0.19
(1,5216)	1:B:34:LEU:H	1:B:21:PHE:HB3	17	0.19
(1,5216)	1:B:34:LEU:H	1:B:22:GLN:HG2	17	0.19
(1,5216)	1:B:34:LEU:H	1:B:22:GLN:HG3	17	0.19
(1,5216)	1:B:34:LEU:H	1:B:64:MET:HG2	17	0.19
(1,5216)	1:B:34:LEU:H	1:B:64:MET:HG3	17	0.19
(1,5216)	1:B:34:LEU:H	1:B:77:PHE:HB2	17	0.19
(1,5215)	1:A:34:LEU:H	1:A:21:PHE:HB3	1	0.19
(1,5215)	1:A:34:LEU:H	1:A:22:GLN:HG2	1	0.19
(1,5215)	1:A:34:LEU:H	1:A:22:GLN:HG3	1	0.19
(1,5215)	1:A:34:LEU:H	1:A:64:MET:HG2	1	0.19
(1,5215)	1:A:34:LEU:H	1:A:64:MET:HG3	1	0.19
(1,5215)	1:A:34:LEU:H	1:A:77:PHE:HB2	1	0.19
(1,5215)	1:A:34:LEU:H	1:A:21:PHE:HB3	17	0.19
(1,5215)	1:A:34:LEU:H	1:A:22:GLN:HG2	17	0.19
(1,5215)	1:A:34:LEU:H	1:A:22:GLN:HG3	17	0.19
(1,5215)	1:A:34:LEU:H	1:A:64:MET:HG2	17	0.19
(1,5215)	1:A:34:LEU:H	1:A:64:MET:HG3	17	0.19
(1,5215)	1:A:34:LEU:H	1:A:77:PHE:HB2	17	0.19
(1,5058)	1:B:37:THR:HG21	1:B:33:THR:HG21	1	0.19
(1,5058)	1:B:37:THR:HG21	1:B:33:THR:HG22	1	0.19
(1,5058)	1:B:37:THR:HG21	1:B:33:THR:HG23	1	0.19
(1,5058)	1:B:37:THR:HG22	1:B:33:THR:HG21	1	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5058)	1:B:37:THR:HG22	1:B:33:THR:HG22	1	0.19
(1,5058)	1:B:37:THR:HG22	1:B:33:THR:HG23	1	0.19
(1,5058)	1:B:37:THR:HG23	1:B:33:THR:HG21	1	0.19
(1,5058)	1:B:37:THR:HG23	1:B:33:THR:HG22	1	0.19
(1,5058)	1:B:37:THR:HG23	1:B:33:THR:HG23	1	0.19
(1,5058)	1:B:45:THR:HG21	1:B:23:LYS:HG2	1	0.19
(1,5058)	1:B:45:THR:HG22	1:B:23:LYS:HG2	1	0.19
(1,5058)	1:B:45:THR:HG23	1:B:23:LYS:HG2	1	0.19
(1,5058)	1:B:45:THR:HG21	1:B:47:LEU:HG	1	0.19
(1,5058)	1:B:45:THR:HG22	1:B:47:LEU:HG	1	0.19
(1,5058)	1:B:45:THR:HG23	1:B:47:LEU:HG	1	0.19
(1,5058)	1:B:45:THR:HG21	1:A:10:THR:HG21	1	0.19
(1,5058)	1:B:45:THR:HG21	1:A:10:THR:HG22	1	0.19
(1,5058)	1:B:45:THR:HG21	1:A:10:THR:HG23	1	0.19
(1,5058)	1:B:45:THR:HG22	1:A:10:THR:HG21	1	0.19
(1,5058)	1:B:45:THR:HG22	1:A:10:THR:HG22	1	0.19
(1,5058)	1:B:45:THR:HG22	1:A:10:THR:HG23	1	0.19
(1,5058)	1:B:45:THR:HG23	1:A:10:THR:HG21	1	0.19
(1,5058)	1:B:45:THR:HG23	1:A:10:THR:HG22	1	0.19
(1,5058)	1:B:45:THR:HG23	1:A:10:THR:HG23	1	0.19
(1,5058)	1:B:37:THR:HG21	1:B:33:THR:HG21	5	0.19
(1,5058)	1:B:37:THR:HG21	1:B:33:THR:HG22	5	0.19
(1,5058)	1:B:37:THR:HG21	1:B:33:THR:HG23	5	0.19
(1,5058)	1:B:37:THR:HG22	1:B:33:THR:HG21	5	0.19
(1,5058)	1:B:37:THR:HG22	1:B:33:THR:HG22	5	0.19
(1,5058)	1:B:37:THR:HG22	1:B:33:THR:HG23	5	0.19
(1,5058)	1:B:37:THR:HG23	1:B:33:THR:HG21	5	0.19
(1,5058)	1:B:37:THR:HG23	1:B:33:THR:HG22	5	0.19
(1,5058)	1:B:37:THR:HG23	1:B:33:THR:HG23	5	0.19
(1,5058)	1:B:45:THR:HG21	1:B:23:LYS:HG2	5	0.19
(1,5058)	1:B:45:THR:HG22	1:B:23:LYS:HG2	5	0.19
(1,5058)	1:B:45:THR:HG23	1:B:23:LYS:HG2	5	0.19
(1,5058)	1:B:45:THR:HG21	1:B:47:LEU:HG	5	0.19
(1,5058)	1:B:45:THR:HG22	1:B:47:LEU:HG	5	0.19
(1,5058)	1:B:45:THR:HG23	1:B:47:LEU:HG	5	0.19
(1,5058)	1:B:45:THR:HG21	1:A:10:THR:HG21	5	0.19
(1,5058)	1:B:45:THR:HG21	1:A:10:THR:HG22	5	0.19
(1,5058)	1:B:45:THR:HG21	1:A:10:THR:HG23	5	0.19
(1,5058)	1:B:45:THR:HG22	1:A:10:THR:HG21	5	0.19
(1,5058)	1:B:45:THR:HG22	1:A:10:THR:HG22	5	0.19
(1,5058)	1:B:45:THR:HG22	1:A:10:THR:HG23	5	0.19
(1,5058)	1:B:45:THR:HG23	1:A:10:THR:HG21	5	0.19
(1,5058)	1:B:45:THR:HG23	1:A:10:THR:HG22	5	0.19
(1,5058)	1:B:45:THR:HG23	1:A:10:THR:HG23	5	0.19
(1,5058)	1:B:45:THR:HG23	1:A:10:THR:HG21	5	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5058)	1:B:45:THR:HG23	1:A:10:THR:HG22	5	0.19
(1,5058)	1:B:45:THR:HG23	1:A:10:THR:HG23	5	0.19
(1,5058)	1:B:37:THR:HG21	1:B:33:THR:HG21	18	0.19
(1,5058)	1:B:37:THR:HG21	1:B:33:THR:HG22	18	0.19
(1,5058)	1:B:37:THR:HG21	1:B:33:THR:HG23	18	0.19
(1,5058)	1:B:37:THR:HG22	1:B:33:THR:HG21	18	0.19
(1,5058)	1:B:37:THR:HG22	1:B:33:THR:HG22	18	0.19
(1,5058)	1:B:37:THR:HG22	1:B:33:THR:HG23	18	0.19
(1,5058)	1:B:37:THR:HG23	1:B:33:THR:HG21	18	0.19
(1,5058)	1:B:37:THR:HG23	1:B:33:THR:HG22	18	0.19
(1,5058)	1:B:37:THR:HG23	1:B:33:THR:HG23	18	0.19
(1,5058)	1:B:45:THR:HG21	1:B:23:LYS:HG2	18	0.19
(1,5058)	1:B:45:THR:HG22	1:B:23:LYS:HG2	18	0.19
(1,5058)	1:B:45:THR:HG23	1:B:23:LYS:HG2	18	0.19
(1,5058)	1:B:45:THR:HG21	1:B:47:LEU:HG	18	0.19
(1,5058)	1:B:45:THR:HG22	1:B:47:LEU:HG	18	0.19
(1,5058)	1:B:45:THR:HG23	1:B:47:LEU:HG	18	0.19
(1,5058)	1:B:45:THR:HG21	1:A:10:THR:HG21	18	0.19
(1,5058)	1:B:45:THR:HG21	1:A:10:THR:HG22	18	0.19
(1,5058)	1:B:45:THR:HG21	1:A:10:THR:HG23	18	0.19
(1,5058)	1:B:45:THR:HG22	1:A:10:THR:HG21	18	0.19
(1,5058)	1:B:45:THR:HG22	1:A:10:THR:HG22	18	0.19
(1,5058)	1:B:45:THR:HG22	1:A:10:THR:HG23	18	0.19
(1,5058)	1:B:45:THR:HG23	1:A:10:THR:HG21	18	0.19
(1,5058)	1:B:45:THR:HG23	1:A:10:THR:HG22	18	0.19
(1,5058)	1:B:45:THR:HG23	1:A:10:THR:HG23	18	0.19
(1,5057)	1:A:37:THR:HG21	1:A:33:THR:HG21	1	0.19
(1,5057)	1:A:37:THR:HG21	1:A:33:THR:HG22	1	0.19
(1,5057)	1:A:37:THR:HG21	1:A:33:THR:HG23	1	0.19
(1,5057)	1:A:37:THR:HG22	1:A:33:THR:HG21	1	0.19
(1,5057)	1:A:37:THR:HG22	1:A:33:THR:HG22	1	0.19
(1,5057)	1:A:37:THR:HG22	1:A:33:THR:HG23	1	0.19
(1,5057)	1:A:37:THR:HG23	1:A:33:THR:HG21	1	0.19
(1,5057)	1:A:37:THR:HG23	1:A:33:THR:HG22	1	0.19
(1,5057)	1:A:37:THR:HG23	1:A:33:THR:HG23	1	0.19
(1,5057)	1:A:45:THR:HG21	1:A:23:LYS:HG2	1	0.19
(1,5057)	1:A:45:THR:HG22	1:A:23:LYS:HG2	1	0.19
(1,5057)	1:A:45:THR:HG23	1:A:23:LYS:HG2	1	0.19
(1,5057)	1:A:45:THR:HG21	1:A:47:LEU:HG	1	0.19
(1,5057)	1:A:45:THR:HG22	1:A:47:LEU:HG	1	0.19
(1,5057)	1:A:45:THR:HG23	1:A:47:LEU:HG	1	0.19
(1,5057)	1:A:45:THR:HG21	1:B:10:THR:HG21	1	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5057)	1:A:45:THR:HG21	1:B:10:THR:HG22	1	0.19
(1,5057)	1:A:45:THR:HG21	1:B:10:THR:HG23	1	0.19
(1,5057)	1:A:45:THR:HG22	1:B:10:THR:HG21	1	0.19
(1,5057)	1:A:45:THR:HG22	1:B:10:THR:HG22	1	0.19
(1,5057)	1:A:45:THR:HG22	1:B:10:THR:HG23	1	0.19
(1,5057)	1:A:45:THR:HG23	1:B:10:THR:HG21	1	0.19
(1,5057)	1:A:45:THR:HG23	1:B:10:THR:HG22	1	0.19
(1,5057)	1:A:45:THR:HG23	1:B:10:THR:HG23	1	0.19
(1,5057)	1:A:37:THR:HG21	1:A:33:THR:HG21	5	0.19
(1,5057)	1:A:37:THR:HG21	1:A:33:THR:HG22	5	0.19
(1,5057)	1:A:37:THR:HG21	1:A:33:THR:HG23	5	0.19
(1,5057)	1:A:37:THR:HG22	1:A:33:THR:HG21	5	0.19
(1,5057)	1:A:37:THR:HG22	1:A:33:THR:HG22	5	0.19
(1,5057)	1:A:37:THR:HG22	1:A:33:THR:HG23	5	0.19
(1,5057)	1:A:37:THR:HG23	1:A:33:THR:HG21	5	0.19
(1,5057)	1:A:37:THR:HG23	1:A:33:THR:HG22	5	0.19
(1,5057)	1:A:37:THR:HG23	1:A:33:THR:HG23	5	0.19
(1,5057)	1:A:45:THR:HG21	1:A:23:LYS:HG2	5	0.19
(1,5057)	1:A:45:THR:HG22	1:A:23:LYS:HG2	5	0.19
(1,5057)	1:A:45:THR:HG23	1:A:23:LYS:HG2	5	0.19
(1,5057)	1:A:45:THR:HG21	1:A:47:LEU:HG	5	0.19
(1,5057)	1:A:45:THR:HG22	1:A:47:LEU:HG	5	0.19
(1,5057)	1:A:45:THR:HG23	1:A:47:LEU:HG	5	0.19
(1,5057)	1:A:45:THR:HG21	1:B:10:THR:HG21	5	0.19
(1,5057)	1:A:45:THR:HG21	1:B:10:THR:HG22	5	0.19
(1,5057)	1:A:45:THR:HG21	1:B:10:THR:HG23	5	0.19
(1,5057)	1:A:45:THR:HG22	1:B:10:THR:HG21	5	0.19
(1,5057)	1:A:45:THR:HG22	1:B:10:THR:HG22	5	0.19
(1,5057)	1:A:45:THR:HG22	1:B:10:THR:HG23	5	0.19
(1,5057)	1:A:45:THR:HG23	1:B:10:THR:HG21	5	0.19
(1,5057)	1:A:45:THR:HG23	1:B:10:THR:HG22	5	0.19
(1,5057)	1:A:45:THR:HG23	1:B:10:THR:HG23	5	0.19
(1,5057)	1:A:37:THR:HG21	1:A:33:THR:HG21	18	0.19
(1,5057)	1:A:37:THR:HG21	1:A:33:THR:HG22	18	0.19
(1,5057)	1:A:37:THR:HG21	1:A:33:THR:HG23	18	0.19
(1,5057)	1:A:37:THR:HG22	1:A:33:THR:HG21	18	0.19
(1,5057)	1:A:37:THR:HG22	1:A:33:THR:HG22	18	0.19
(1,5057)	1:A:37:THR:HG22	1:A:33:THR:HG23	18	0.19
(1,5057)	1:A:37:THR:HG23	1:A:33:THR:HG21	18	0.19
(1,5057)	1:A:37:THR:HG23	1:A:33:THR:HG22	18	0.19
(1,5057)	1:A:37:THR:HG23	1:A:33:THR:HG23	18	0.19
(1,5057)	1:A:45:THR:HG21	1:A:23:LYS:HG2	18	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5057)	1:A:45:THR:HG22	1:A:23:LYS:HG2	18	0.19
(1,5057)	1:A:45:THR:HG23	1:A:23:LYS:HG2	18	0.19
(1,5057)	1:A:45:THR:HG21	1:A:47:LEU:HG	18	0.19
(1,5057)	1:A:45:THR:HG22	1:A:47:LEU:HG	18	0.19
(1,5057)	1:A:45:THR:HG23	1:A:47:LEU:HG	18	0.19
(1,5057)	1:A:45:THR:HG21	1:B:10:THR:HG21	18	0.19
(1,5057)	1:A:45:THR:HG21	1:B:10:THR:HG22	18	0.19
(1,5057)	1:A:45:THR:HG21	1:B:10:THR:HG23	18	0.19
(1,5057)	1:A:45:THR:HG22	1:B:10:THR:HG21	18	0.19
(1,5057)	1:A:45:THR:HG22	1:B:10:THR:HG22	18	0.19
(1,5057)	1:A:45:THR:HG22	1:B:10:THR:HG23	18	0.19
(1,5057)	1:A:45:THR:HG23	1:B:10:THR:HG21	18	0.19
(1,5057)	1:A:45:THR:HG23	1:B:10:THR:HG22	18	0.19
(1,5057)	1:A:45:THR:HG23	1:B:10:THR:HG23	18	0.19
(1,4832)	1:B:12:ARG:HD2	1:B:9:GLU:HA	2	0.19
(1,4832)	1:B:12:ARG:HD3	1:B:9:GLU:HA	2	0.19
(1,4832)	1:B:12:ARG:HD2	1:B:12:ARG:HA	2	0.19
(1,4832)	1:B:12:ARG:HD3	1:B:12:ARG:HA	2	0.19
(1,4832)	1:B:12:ARG:HD2	1:B:9:GLU:HA	15	0.19
(1,4832)	1:B:12:ARG:HD3	1:B:9:GLU:HA	15	0.19
(1,4832)	1:B:12:ARG:HD2	1:B:12:ARG:HA	15	0.19
(1,4832)	1:B:12:ARG:HD3	1:B:12:ARG:HA	15	0.19
(1,4831)	1:A:12:ARG:HD2	1:A:9:GLU:HA	15	0.19
(1,4831)	1:A:12:ARG:HD3	1:A:9:GLU:HA	15	0.19
(1,4831)	1:A:12:ARG:HD2	1:A:12:ARG:HA	15	0.19
(1,4831)	1:A:12:ARG:HD3	1:A:12:ARG:HA	15	0.19
(1,4831)	1:A:12:ARG:HD2	1:A:9:GLU:HA	19	0.19
(1,4831)	1:A:12:ARG:HD3	1:A:9:GLU:HA	19	0.19
(1,4831)	1:A:12:ARG:HD2	1:A:12:ARG:HA	19	0.19
(1,4831)	1:A:12:ARG:HD3	1:A:12:ARG:HA	19	0.19
(1,4826)	1:B:19:ALA:HB2	1:B:15:GLU:HB2	2	0.19
(1,4826)	1:B:19:ALA:HB2	1:B:15:GLU:HB3	2	0.19
(1,4826)	1:B:19:ALA:HB1	1:B:15:GLU:HB2	2	0.19
(1,4826)	1:B:19:ALA:HB1	1:B:15:GLU:HB3	2	0.19
(1,4826)	1:B:19:ALA:HB3	1:B:15:GLU:HB2	2	0.19
(1,4826)	1:B:19:ALA:HB3	1:B:15:GLU:HB3	2	0.19
(1,4826)	1:B:19:ALA:HB2	1:A:9:GLU:HB2	2	0.19
(1,4826)	1:B:19:ALA:HB2	1:A:9:GLU:HB3	2	0.19
(1,4826)	1:B:19:ALA:HB1	1:A:9:GLU:HB2	2	0.19
(1,4826)	1:B:19:ALA:HB1	1:A:9:GLU:HB3	2	0.19
(1,4826)	1:B:19:ALA:HB3	1:A:9:GLU:HB2	2	0.19
(1,4826)	1:B:19:ALA:HB3	1:A:9:GLU:HB3	2	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4826)	1:B:88:ALA:HB2	1:B:89:MET:HB2	2	0.19
(1,4826)	1:B:88:ALA:HB2	1:B:89:MET:HB3	2	0.19
(1,4826)	1:B:88:ALA:HB1	1:B:89:MET:HB2	2	0.19
(1,4826)	1:B:88:ALA:HB1	1:B:89:MET:HB3	2	0.19
(1,4826)	1:B:88:ALA:HB3	1:B:89:MET:HB2	2	0.19
(1,4826)	1:B:88:ALA:HB3	1:B:89:MET:HB3	2	0.19
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB2	2	0.19
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB1	2	0.19
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB3	2	0.19
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB2	2	0.19
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB1	2	0.19
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB3	2	0.19
(1,4826)	1:B:19:ALA:HB2	1:B:15:GLU:HB2	12	0.19
(1,4826)	1:B:19:ALA:HB2	1:B:15:GLU:HB3	12	0.19
(1,4826)	1:B:19:ALA:HB1	1:B:15:GLU:HB2	12	0.19
(1,4826)	1:B:19:ALA:HB1	1:B:15:GLU:HB3	12	0.19
(1,4826)	1:B:19:ALA:HB3	1:B:15:GLU:HB2	12	0.19
(1,4826)	1:B:19:ALA:HB3	1:B:15:GLU:HB3	12	0.19
(1,4826)	1:B:19:ALA:HB2	1:A:9:GLU:HB2	12	0.19
(1,4826)	1:B:19:ALA:HB2	1:A:9:GLU:HB3	12	0.19
(1,4826)	1:B:19:ALA:HB1	1:A:9:GLU:HB2	12	0.19
(1,4826)	1:B:19:ALA:HB1	1:A:9:GLU:HB3	12	0.19
(1,4826)	1:B:19:ALA:HB3	1:A:9:GLU:HB2	12	0.19
(1,4826)	1:B:19:ALA:HB3	1:A:9:GLU:HB3	12	0.19
(1,4826)	1:B:88:ALA:HB2	1:B:89:MET:HB2	12	0.19
(1,4826)	1:B:88:ALA:HB2	1:B:89:MET:HB3	12	0.19
(1,4826)	1:B:88:ALA:HB1	1:B:89:MET:HB2	12	0.19
(1,4826)	1:B:88:ALA:HB1	1:B:89:MET:HB3	12	0.19
(1,4826)	1:B:88:ALA:HB3	1:B:89:MET:HB2	12	0.19
(1,4826)	1:B:88:ALA:HB3	1:B:89:MET:HB3	12	0.19
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB2	12	0.19
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB1	12	0.19
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB3	12	0.19
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB2	12	0.19
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB1	12	0.19
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB3	12	0.19
(1,4826)	1:B:19:ALA:HB2	1:B:15:GLU:HB2	17	0.19
(1,4826)	1:B:19:ALA:HB2	1:B:15:GLU:HB3	17	0.19
(1,4826)	1:B:19:ALA:HB1	1:B:15:GLU:HB2	17	0.19
(1,4826)	1:B:19:ALA:HB1	1:B:15:GLU:HB3	17	0.19
(1,4826)	1:B:19:ALA:HB3	1:B:15:GLU:HB2	17	0.19
(1,4826)	1:B:19:ALA:HB3	1:B:15:GLU:HB3	17	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4826)	1:B:19:ALA:HB2	1:A:9:GLU:HB2	17	0.19
(1,4826)	1:B:19:ALA:HB2	1:A:9:GLU:HB3	17	0.19
(1,4826)	1:B:19:ALA:HB1	1:A:9:GLU:HB2	17	0.19
(1,4826)	1:B:19:ALA:HB1	1:A:9:GLU:HB3	17	0.19
(1,4826)	1:B:19:ALA:HB3	1:A:9:GLU:HB2	17	0.19
(1,4826)	1:B:19:ALA:HB3	1:A:9:GLU:HB3	17	0.19
(1,4826)	1:B:88:ALA:HB2	1:B:89:MET:HB2	17	0.19
(1,4826)	1:B:88:ALA:HB2	1:B:89:MET:HB3	17	0.19
(1,4826)	1:B:88:ALA:HB1	1:B:89:MET:HB2	17	0.19
(1,4826)	1:B:88:ALA:HB1	1:B:89:MET:HB3	17	0.19
(1,4826)	1:B:88:ALA:HB3	1:B:89:MET:HB2	17	0.19
(1,4826)	1:B:88:ALA:HB3	1:B:89:MET:HB3	17	0.19
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB2	17	0.19
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB1	17	0.19
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB3	17	0.19
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB2	17	0.19
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB1	17	0.19
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB3	17	0.19
(1,4825)	1:A:19:ALA:HB2	1:A:15:GLU:HB2	2	0.19
(1,4825)	1:A:19:ALA:HB2	1:A:15:GLU:HB3	2	0.19
(1,4825)	1:A:19:ALA:HB1	1:A:15:GLU:HB2	2	0.19
(1,4825)	1:A:19:ALA:HB1	1:A:15:GLU:HB3	2	0.19
(1,4825)	1:A:19:ALA:HB3	1:A:15:GLU:HB2	2	0.19
(1,4825)	1:A:19:ALA:HB3	1:A:15:GLU:HB3	2	0.19
(1,4825)	1:A:19:ALA:HB2	1:B:9:GLU:HB2	2	0.19
(1,4825)	1:A:19:ALA:HB2	1:B:9:GLU:HB3	2	0.19
(1,4825)	1:A:19:ALA:HB1	1:B:9:GLU:HB2	2	0.19
(1,4825)	1:A:19:ALA:HB1	1:B:9:GLU:HB3	2	0.19
(1,4825)	1:A:19:ALA:HB3	1:B:9:GLU:HB2	2	0.19
(1,4825)	1:A:19:ALA:HB3	1:B:9:GLU:HB3	2	0.19
(1,4825)	1:A:88:ALA:HB2	1:A:89:MET:HB2	2	0.19
(1,4825)	1:A:88:ALA:HB2	1:A:89:MET:HB3	2	0.19
(1,4825)	1:A:88:ALA:HB1	1:A:89:MET:HB2	2	0.19
(1,4825)	1:A:88:ALA:HB1	1:A:89:MET:HB3	2	0.19
(1,4825)	1:A:88:ALA:HB3	1:A:89:MET:HB2	2	0.19
(1,4825)	1:A:88:ALA:HB3	1:A:89:MET:HB3	2	0.19
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB2	2	0.19
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB1	2	0.19
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB3	2	0.19
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB2	2	0.19
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB1	2	0.19
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB3	2	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4825)	1:A:19:ALA:HB2	1:A:15:GLU:HB2	12	0.19
(1,4825)	1:A:19:ALA:HB2	1:A:15:GLU:HB3	12	0.19
(1,4825)	1:A:19:ALA:HB1	1:A:15:GLU:HB2	12	0.19
(1,4825)	1:A:19:ALA:HB1	1:A:15:GLU:HB3	12	0.19
(1,4825)	1:A:19:ALA:HB3	1:A:15:GLU:HB2	12	0.19
(1,4825)	1:A:19:ALA:HB3	1:A:15:GLU:HB3	12	0.19
(1,4825)	1:A:19:ALA:HB2	1:B:9:GLU:HB2	12	0.19
(1,4825)	1:A:19:ALA:HB2	1:B:9:GLU:HB3	12	0.19
(1,4825)	1:A:19:ALA:HB1	1:B:9:GLU:HB2	12	0.19
(1,4825)	1:A:19:ALA:HB1	1:B:9:GLU:HB3	12	0.19
(1,4825)	1:A:19:ALA:HB3	1:B:9:GLU:HB2	12	0.19
(1,4825)	1:A:19:ALA:HB3	1:B:9:GLU:HB3	12	0.19
(1,4825)	1:A:88:ALA:HB2	1:A:89:MET:HB2	12	0.19
(1,4825)	1:A:88:ALA:HB2	1:A:89:MET:HB3	12	0.19
(1,4825)	1:A:88:ALA:HB1	1:A:89:MET:HB2	12	0.19
(1,4825)	1:A:88:ALA:HB1	1:A:89:MET:HB3	12	0.19
(1,4825)	1:A:88:ALA:HB3	1:A:89:MET:HB2	12	0.19
(1,4825)	1:A:88:ALA:HB3	1:A:89:MET:HB3	12	0.19
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB2	12	0.19
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB1	12	0.19
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB3	12	0.19
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB2	12	0.19
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB1	12	0.19
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB3	12	0.19
(1,4825)	1:A:19:ALA:HB2	1:A:15:GLU:HB2	17	0.19
(1,4825)	1:A:19:ALA:HB2	1:A:15:GLU:HB3	17	0.19
(1,4825)	1:A:19:ALA:HB1	1:A:15:GLU:HB2	17	0.19
(1,4825)	1:A:19:ALA:HB1	1:A:15:GLU:HB3	17	0.19
(1,4825)	1:A:19:ALA:HB3	1:A:15:GLU:HB2	17	0.19
(1,4825)	1:A:19:ALA:HB3	1:A:15:GLU:HB3	17	0.19
(1,4825)	1:A:19:ALA:HB2	1:B:9:GLU:HB2	17	0.19
(1,4825)	1:A:19:ALA:HB2	1:B:9:GLU:HB3	17	0.19
(1,4825)	1:A:19:ALA:HB1	1:B:9:GLU:HB2	17	0.19
(1,4825)	1:A:19:ALA:HB1	1:B:9:GLU:HB3	17	0.19
(1,4825)	1:A:19:ALA:HB3	1:B:9:GLU:HB2	17	0.19
(1,4825)	1:A:19:ALA:HB3	1:B:9:GLU:HB3	17	0.19
(1,4825)	1:A:88:ALA:HB2	1:A:89:MET:HB2	17	0.19
(1,4825)	1:A:88:ALA:HB2	1:A:89:MET:HB3	17	0.19
(1,4825)	1:A:88:ALA:HB1	1:A:89:MET:HB2	17	0.19
(1,4825)	1:A:88:ALA:HB1	1:A:89:MET:HB3	17	0.19
(1,4825)	1:A:88:ALA:HB3	1:A:89:MET:HB2	17	0.19
(1,4825)	1:A:88:ALA:HB3	1:A:89:MET:HB3	17	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB2	17	0.19
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB1	17	0.19
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB3	17	0.19
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB2	17	0.19
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB1	17	0.19
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB3	17	0.19
(1,4782)	1:B:8:THR:HB	1:B:7:PRO:HG2	5	0.19
(1,4782)	1:B:8:THR:HB	1:B:7:PRO:HG3	5	0.19
(1,4782)	1:B:74:GLN:HA	1:B:40:LEU:HG	5	0.19
(1,4781)	1:A:8:THR:HB	1:A:7:PRO:HG2	5	0.19
(1,4781)	1:A:8:THR:HB	1:A:7:PRO:HG3	5	0.19
(1,4781)	1:A:74:GLN:HA	1:A:40:LEU:HG	5	0.19
(1,4780)	1:B:10:THR:HB	1:B:14:ILE:HD12	5	0.19
(1,4780)	1:B:10:THR:HB	1:B:14:ILE:HD11	5	0.19
(1,4780)	1:B:10:THR:HB	1:B:14:ILE:HD13	5	0.19
(1,4780)	1:B:14:ILE:HD12	1:A:88:ALA:HA	5	0.19
(1,4780)	1:B:14:ILE:HD11	1:A:88:ALA:HA	5	0.19
(1,4780)	1:B:14:ILE:HD13	1:A:88:ALA:HA	5	0.19
(1,4779)	1:A:10:THR:HB	1:A:14:ILE:HD12	5	0.19
(1,4779)	1:A:10:THR:HB	1:A:14:ILE:HD11	5	0.19
(1,4779)	1:A:10:THR:HB	1:A:14:ILE:HD13	5	0.19
(1,4779)	1:A:14:ILE:HD12	1:B:88:ALA:HA	5	0.19
(1,4779)	1:A:14:ILE:HD11	1:B:88:ALA:HA	5	0.19
(1,4779)	1:A:14:ILE:HD13	1:B:88:ALA:HA	5	0.19
(1,4654)	1:B:94:SER:HB2	1:B:99:VAL:HB	4	0.19
(1,4654)	1:B:94:SER:HB3	1:B:99:VAL:HB	4	0.19
(1,4654)	1:B:94:SER:HB2	1:B:100:PRO:HB3	4	0.19
(1,4654)	1:B:94:SER:HB3	1:B:100:PRO:HB3	4	0.19
(1,4654)	1:B:94:SER:HB2	1:B:100:PRO:HG2	4	0.19
(1,4654)	1:B:94:SER:HB3	1:B:100:PRO:HG2	4	0.19
(1,4654)	1:B:94:SER:HB2	1:B:100:PRO:HG3	4	0.19
(1,4654)	1:B:94:SER:HB3	1:B:100:PRO:HG3	4	0.19
(1,4654)	1:B:94:SER:HB2	1:A:11:GLU:HB2	4	0.19
(1,4654)	1:B:94:SER:HB2	1:A:11:GLU:HB3	4	0.19
(1,4654)	1:B:94:SER:HB3	1:A:11:GLU:HB2	4	0.19
(1,4654)	1:B:94:SER:HB3	1:A:11:GLU:HB3	4	0.19
(1,4654)	1:B:94:SER:HB2	1:A:14:ILE:HB	4	0.19
(1,4654)	1:B:94:SER:HB3	1:A:14:ILE:HB	4	0.19
(1,4654)	1:B:94:SER:HB2	1:A:22:GLN:HB2	4	0.19
(1,4654)	1:B:94:SER:HB2	1:A:22:GLN:HB3	4	0.19
(1,4654)	1:B:94:SER:HB3	1:A:22:GLN:HB2	4	0.19
(1,4654)	1:B:94:SER:HB3	1:A:22:GLN:HB3	4	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4653)	1:A:94:SER:HB2	1:A:99:VAL:HB	4	0.19
(1,4653)	1:A:94:SER:HB3	1:A:99:VAL:HB	4	0.19
(1,4653)	1:A:94:SER:HB2	1:A:100:PRO:HB3	4	0.19
(1,4653)	1:A:94:SER:HB3	1:A:100:PRO:HB3	4	0.19
(1,4653)	1:A:94:SER:HB2	1:A:100:PRO:HG2	4	0.19
(1,4653)	1:A:94:SER:HB3	1:A:100:PRO:HG2	4	0.19
(1,4653)	1:A:94:SER:HB2	1:A:100:PRO:HG3	4	0.19
(1,4653)	1:A:94:SER:HB3	1:A:100:PRO:HG3	4	0.19
(1,4653)	1:A:94:SER:HB2	1:B:11:GLU:HB2	4	0.19
(1,4653)	1:A:94:SER:HB2	1:B:11:GLU:HB3	4	0.19
(1,4653)	1:A:94:SER:HB3	1:B:11:GLU:HB2	4	0.19
(1,4653)	1:A:94:SER:HB3	1:B:11:GLU:HB3	4	0.19
(1,4653)	1:A:94:SER:HB2	1:B:14:ILE:HB	4	0.19
(1,4653)	1:A:94:SER:HB3	1:B:14:ILE:HB	4	0.19
(1,4653)	1:A:94:SER:HB2	1:B:22:GLN:HB2	4	0.19
(1,4653)	1:A:94:SER:HB2	1:B:22:GLN:HB3	4	0.19
(1,4653)	1:A:94:SER:HB3	1:B:22:GLN:HB2	4	0.19
(1,4653)	1:A:94:SER:HB3	1:B:22:GLN:HB3	4	0.19
(1,4652)	1:B:37:THR:HG21	1:B:41:SER:H	13	0.19
(1,4652)	1:B:37:THR:HG22	1:B:41:SER:H	13	0.19
(1,4652)	1:B:37:THR:HG23	1:B:41:SER:H	13	0.19
(1,4652)	1:B:71:SER:H	1:B:69:THR:HG21	13	0.19
(1,4652)	1:B:71:SER:H	1:B:69:THR:HG22	13	0.19
(1,4652)	1:B:71:SER:H	1:B:69:THR:HG23	13	0.19
(1,4651)	1:A:37:THR:HG21	1:A:41:SER:H	13	0.19
(1,4651)	1:A:37:THR:HG22	1:A:41:SER:H	13	0.19
(1,4651)	1:A:37:THR:HG23	1:A:41:SER:H	13	0.19
(1,4651)	1:A:71:SER:H	1:A:69:THR:HG21	13	0.19
(1,4651)	1:A:71:SER:H	1:A:69:THR:HG22	13	0.19
(1,4651)	1:A:71:SER:H	1:A:69:THR:HG23	13	0.19
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB2	1	0.19
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB1	1	0.19
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB3	1	0.19
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB2	1	0.19
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB1	1	0.19
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB3	1	0.19
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB2	9	0.19
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB1	9	0.19
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB3	9	0.19
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB2	9	0.19
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB1	9	0.19
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB3	9	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB2	18	0.19
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB1	18	0.19
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB3	18	0.19
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB2	18	0.19
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB1	18	0.19
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB3	18	0.19
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB2	1	0.19
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB1	1	0.19
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB3	1	0.19
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB2	1	0.19
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB1	1	0.19
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB3	1	0.19
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB2	9	0.19
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB1	9	0.19
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB3	9	0.19
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB2	9	0.19
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB1	9	0.19
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB3	9	0.19
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB2	18	0.19
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB1	18	0.19
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB3	18	0.19
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB2	18	0.19
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB1	18	0.19
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB3	18	0.19
(1,4516)	1:B:48:ALA:HA	1:B:50:PHE:HB2	4	0.19
(1,4516)	1:B:48:ALA:HA	1:B:50:PHE:HB3	4	0.19
(1,4516)	1:B:49:ALA:HA	1:B:50:PHE:HB2	4	0.19
(1,4516)	1:B:49:ALA:HA	1:B:50:PHE:HB3	4	0.19
(1,4516)	1:B:94:SER:HB2	1:B:95:PHE:HB2	4	0.19
(1,4516)	1:B:94:SER:HB2	1:B:95:PHE:HB3	4	0.19
(1,4516)	1:B:94:SER:HB3	1:B:95:PHE:HB2	4	0.19
(1,4516)	1:B:94:SER:HB3	1:B:95:PHE:HB3	4	0.19
(1,4515)	1:A:48:ALA:HA	1:A:50:PHE:HB2	4	0.19
(1,4515)	1:A:48:ALA:HA	1:A:50:PHE:HB3	4	0.19
(1,4515)	1:A:49:ALA:HA	1:A:50:PHE:HB2	4	0.19
(1,4515)	1:A:49:ALA:HA	1:A:50:PHE:HB3	4	0.19
(1,4515)	1:A:94:SER:HB2	1:A:95:PHE:HB2	4	0.19
(1,4515)	1:A:94:SER:HB2	1:A:95:PHE:HB3	4	0.19
(1,4515)	1:A:94:SER:HB3	1:A:95:PHE:HB2	4	0.19
(1,4515)	1:A:94:SER:HB3	1:A:95:PHE:HB3	4	0.19
(1,4504)	1:B:24:TYR:H	1:B:34:LEU:HD12	20	0.19
(1,4504)	1:B:24:TYR:H	1:B:34:LEU:HD11	20	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4504)	1:B:24:TYR:H	1:B:34:LEU:HD13	20	0.19
(1,4504)	1:B:75:LEU:HD12	1:B:83:LEU:H	20	0.19
(1,4504)	1:B:75:LEU:HD11	1:B:83:LEU:H	20	0.19
(1,4504)	1:B:75:LEU:HD13	1:B:83:LEU:H	20	0.19
(1,4504)	1:B:82:ASN:H	1:B:81:LEU:HD12	20	0.19
(1,4504)	1:B:82:ASN:H	1:B:81:LEU:HD11	20	0.19
(1,4504)	1:B:82:ASN:H	1:B:81:LEU:HD13	20	0.19
(1,4503)	1:A:24:TYR:H	1:A:34:LEU:HD12	20	0.19
(1,4503)	1:A:24:TYR:H	1:A:34:LEU:HD11	20	0.19
(1,4503)	1:A:24:TYR:H	1:A:34:LEU:HD13	20	0.19
(1,4503)	1:A:75:LEU:HD12	1:A:83:LEU:H	20	0.19
(1,4503)	1:A:75:LEU:HD11	1:A:83:LEU:H	20	0.19
(1,4503)	1:A:75:LEU:HD13	1:A:83:LEU:H	20	0.19
(1,4503)	1:A:82:ASN:H	1:A:81:LEU:HD12	20	0.19
(1,4503)	1:A:82:ASN:H	1:A:81:LEU:HD11	20	0.19
(1,4503)	1:A:82:ASN:H	1:A:81:LEU:HD13	20	0.19
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD22	10	0.19
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD21	10	0.19
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD23	10	0.19
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD22	10	0.19
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD21	10	0.19
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD23	10	0.19
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD22	10	0.19
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD21	10	0.19
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD23	10	0.19
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD12	10	0.19
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD11	10	0.19
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD13	10	0.19
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD12	10	0.19
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD11	10	0.19
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD13	10	0.19
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD12	10	0.19
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD11	10	0.19
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD13	10	0.19
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD22	16	0.19
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD21	16	0.19
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD23	16	0.19
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD22	16	0.19
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD21	16	0.19
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD23	16	0.19
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD22	16	0.19
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD21	16	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD23	16	0.19
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD12	16	0.19
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD11	16	0.19
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD13	16	0.19
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD12	16	0.19
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD11	16	0.19
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD13	16	0.19
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD12	16	0.19
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD11	16	0.19
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD13	16	0.19
(1,4342)	1:B:41:SER:H	1:B:60:LEU:HD12	2	0.19
(1,4342)	1:B:41:SER:H	1:B:60:LEU:HD11	2	0.19
(1,4342)	1:B:41:SER:H	1:B:60:LEU:HD13	2	0.19
(1,4342)	1:B:83:LEU:HD12	1:B:86:GLY:H	2	0.19
(1,4342)	1:B:83:LEU:HD11	1:B:86:GLY:H	2	0.19
(1,4342)	1:B:83:LEU:HD13	1:B:86:GLY:H	2	0.19
(1,4341)	1:A:41:SER:H	1:A:60:LEU:HD12	2	0.19
(1,4341)	1:A:41:SER:H	1:A:60:LEU:HD11	2	0.19
(1,4341)	1:A:41:SER:H	1:A:60:LEU:HD13	2	0.19
(1,4341)	1:A:83:LEU:HD12	1:A:86:GLY:H	2	0.19
(1,4341)	1:A:83:LEU:HD11	1:A:86:GLY:H	2	0.19
(1,4341)	1:A:83:LEU:HD13	1:A:86:GLY:H	2	0.19
(1,4334)	1:B:74:GLN:HB3	1:B:68:ASP:HB2	4	0.19
(1,4334)	1:B:18:ILE:HB	1:B:21:PHE:HB2	4	0.19
(1,4334)	1:B:64:MET:HB3	1:B:68:ASP:HB2	4	0.19
(1,4334)	1:B:68:ASP:HB2	1:B:67:LEU:HB2	4	0.19
(1,4334)	1:B:74:GLN:HB3	1:B:68:ASP:HB2	11	0.19
(1,4334)	1:B:18:ILE:HB	1:B:21:PHE:HB2	11	0.19
(1,4334)	1:B:64:MET:HB3	1:B:68:ASP:HB2	11	0.19
(1,4334)	1:B:68:ASP:HB2	1:B:67:LEU:HB2	11	0.19
(1,4333)	1:A:74:GLN:HB3	1:A:68:ASP:HB2	4	0.19
(1,4333)	1:A:18:ILE:HB	1:A:21:PHE:HB2	4	0.19
(1,4333)	1:A:64:MET:HB3	1:A:68:ASP:HB2	4	0.19
(1,4333)	1:A:68:ASP:HB2	1:A:67:LEU:HB2	4	0.19
(1,4333)	1:A:74:GLN:HB3	1:A:68:ASP:HB2	11	0.19
(1,4333)	1:A:18:ILE:HB	1:A:21:PHE:HB2	11	0.19
(1,4333)	1:A:64:MET:HB3	1:A:68:ASP:HB2	11	0.19
(1,4333)	1:A:68:ASP:HB2	1:A:67:LEU:HB2	11	0.19
(1,4316)	1:B:22:GLN:HA	1:B:19:ALA:HA	1	0.19
(1,4316)	1:B:25:ALA:HA	1:B:22:GLN:HA	1	0.19
(1,4316)	1:B:22:GLN:HA	1:B:26:GLY:HA2	1	0.19
(1,4316)	1:B:37:THR:HA	1:B:40:LEU:HA	1	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4316)	1:B:22:GLN:HA	1:B:19:ALA:HA	9	0.19
(1,4316)	1:B:25:ALA:HA	1:B:22:GLN:HA	9	0.19
(1,4316)	1:B:22:GLN:HA	1:B:26:GLY:HA2	9	0.19
(1,4316)	1:B:37:THR:HA	1:B:40:LEU:HA	9	0.19
(1,4316)	1:B:22:GLN:HA	1:B:19:ALA:HA	12	0.19
(1,4316)	1:B:25:ALA:HA	1:B:22:GLN:HA	12	0.19
(1,4316)	1:B:22:GLN:HA	1:B:26:GLY:HA2	12	0.19
(1,4316)	1:B:37:THR:HA	1:B:40:LEU:HA	12	0.19
(1,4315)	1:A:22:GLN:HA	1:A:19:ALA:HA	1	0.19
(1,4315)	1:A:25:ALA:HA	1:A:22:GLN:HA	1	0.19
(1,4315)	1:A:22:GLN:HA	1:A:26:GLY:HA2	1	0.19
(1,4315)	1:A:37:THR:HA	1:A:40:LEU:HA	1	0.19
(1,4315)	1:A:22:GLN:HA	1:A:19:ALA:HA	9	0.19
(1,4315)	1:A:25:ALA:HA	1:A:22:GLN:HA	9	0.19
(1,4315)	1:A:22:GLN:HA	1:A:26:GLY:HA2	9	0.19
(1,4315)	1:A:37:THR:HA	1:A:40:LEU:HA	9	0.19
(1,4315)	1:A:22:GLN:HA	1:A:19:ALA:HA	12	0.19
(1,4315)	1:A:25:ALA:HA	1:A:22:GLN:HA	12	0.19
(1,4315)	1:A:22:GLN:HA	1:A:26:GLY:HA2	12	0.19
(1,4315)	1:A:37:THR:HA	1:A:40:LEU:HA	12	0.19
(1,4315)	1:A:22:GLN:HA	1:A:19:ALA:HA	19	0.19
(1,4315)	1:A:25:ALA:HA	1:A:22:GLN:HA	19	0.19
(1,4315)	1:A:22:GLN:HA	1:A:26:GLY:HA2	19	0.19
(1,4315)	1:A:37:THR:HA	1:A:40:LEU:HA	19	0.19
(1,4246)	1:B:89:MET:HB2	1:B:85:GLY:H	11	0.19
(1,4246)	1:B:89:MET:HB3	1:B:85:GLY:H	11	0.19
(1,4246)	1:B:100:PRO:HB2	1:A:22:GLN:H	11	0.19
(1,4245)	1:A:89:MET:HB2	1:A:85:GLY:H	11	0.19
(1,4245)	1:A:89:MET:HB3	1:A:85:GLY:H	11	0.19
(1,4245)	1:A:100:PRO:HB2	1:B:22:GLN:H	11	0.19
(1,4244)	1:B:87:LEU:HB2	1:B:91:CYS:HA	3	0.19
(1,4244)	1:B:91:CYS:HA	1:B:97:LYS:HB2	3	0.19
(1,4244)	1:B:91:CYS:HA	1:B:97:LYS:HB3	3	0.19
(1,4244)	1:B:91:CYS:HA	1:B:97:LYS:HD2	3	0.19
(1,4244)	1:B:91:CYS:HA	1:B:97:LYS:HD3	3	0.19
(1,4244)	1:B:91:CYS:HA	1:A:18:ILE:HB	3	0.19
(1,4243)	1:A:87:LEU:HB2	1:A:91:CYS:HA	3	0.19
(1,4243)	1:A:91:CYS:HA	1:A:97:LYS:HB2	3	0.19
(1,4243)	1:A:91:CYS:HA	1:A:97:LYS:HB3	3	0.19
(1,4243)	1:A:91:CYS:HA	1:A:97:LYS:HD2	3	0.19
(1,4243)	1:A:91:CYS:HA	1:A:97:LYS:HD3	3	0.19
(1,4243)	1:A:91:CYS:HA	1:B:18:ILE:HB	3	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4243)	1:A:87:LEU:HB2	1:A:91:CYS:HA	7	0.19
(1,4243)	1:A:91:CYS:HA	1:A:97:LYS:HB2	7	0.19
(1,4243)	1:A:91:CYS:HA	1:A:97:LYS:HB3	7	0.19
(1,4243)	1:A:91:CYS:HA	1:A:97:LYS:HD2	7	0.19
(1,4243)	1:A:91:CYS:HA	1:A:97:LYS:HD3	7	0.19
(1,4243)	1:A:91:CYS:HA	1:B:18:ILE:HB	7	0.19
(1,4183)	1:A:13:CYS:HA	1:A:15:GLU:HB2	13	0.19
(1,4183)	1:A:13:CYS:HA	1:A:15:GLU:HB3	13	0.19
(1,4183)	1:A:13:CYS:HA	1:A:17:LEU:HG	13	0.19
(1,4172)	1:B:24:TYR:HB2	1:B:27:LYS:HD2	8	0.19
(1,4172)	1:B:24:TYR:HB2	1:B:27:LYS:HD3	8	0.19
(1,4172)	1:B:44:ASN:HB2	1:B:43:MET:HB2	8	0.19
(1,4172)	1:B:44:ASN:HB2	1:B:43:MET:HB3	8	0.19
(1,4171)	1:A:24:TYR:HB2	1:A:27:LYS:HD2	8	0.19
(1,4171)	1:A:24:TYR:HB2	1:A:27:LYS:HD3	8	0.19
(1,4171)	1:A:44:ASN:HB2	1:A:43:MET:HB2	8	0.19
(1,4171)	1:A:44:ASN:HB2	1:A:43:MET:HB3	8	0.19
(1,4154)	1:B:82:ASN:HA	1:B:81:LEU:HB2	1	0.19
(1,4154)	1:B:82:ASN:HA	1:B:83:LEU:HB3	1	0.19
(1,4154)	1:B:82:ASN:HA	1:A:81:LEU:HB2	1	0.19
(1,4154)	1:B:82:ASN:HA	1:B:81:LEU:HB2	18	0.19
(1,4154)	1:B:82:ASN:HA	1:B:83:LEU:HB3	18	0.19
(1,4154)	1:B:82:ASN:HA	1:A:81:LEU:HB2	18	0.19
(1,4153)	1:A:82:ASN:HA	1:A:81:LEU:HB2	1	0.19
(1,4153)	1:A:82:ASN:HA	1:A:83:LEU:HB3	1	0.19
(1,4153)	1:A:82:ASN:HA	1:B:81:LEU:HB2	1	0.19
(1,4153)	1:A:82:ASN:HA	1:A:81:LEU:HB2	18	0.19
(1,4153)	1:A:82:ASN:HA	1:A:83:LEU:HB3	18	0.19
(1,4153)	1:A:82:ASN:HA	1:B:81:LEU:HB2	18	0.19
(1,4066)	1:B:44:ASN:HB3	1:B:40:LEU:HD12	4	0.19
(1,4066)	1:B:44:ASN:HB3	1:B:40:LEU:HD11	4	0.19
(1,4066)	1:B:44:ASN:HB3	1:B:40:LEU:HD13	4	0.19
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD22	4	0.19
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD21	4	0.19
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD23	4	0.19
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD12	4	0.19
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD11	4	0.19
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD13	4	0.19
(1,4065)	1:A:44:ASN:HB3	1:A:40:LEU:HD12	4	0.19
(1,4065)	1:A:44:ASN:HB3	1:A:40:LEU:HD11	4	0.19
(1,4065)	1:A:44:ASN:HB3	1:A:40:LEU:HD13	4	0.19
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD22	4	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD21	4	0.19
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD23	4	0.19
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD12	4	0.19
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD11	4	0.19
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD13	4	0.19
(1,4058)	1:B:18:ILE:HG22	1:A:91:CYS:HB2	8	0.19
(1,4058)	1:B:18:ILE:HG22	1:A:91:CYS:HB3	8	0.19
(1,4058)	1:B:18:ILE:HG21	1:A:91:CYS:HB2	8	0.19
(1,4058)	1:B:18:ILE:HG21	1:A:91:CYS:HB3	8	0.19
(1,4058)	1:B:18:ILE:HG23	1:A:91:CYS:HB2	8	0.19
(1,4058)	1:B:18:ILE:HG23	1:A:91:CYS:HB3	8	0.19
(1,4058)	1:B:21:PHE:HB2	1:B:18:ILE:HG22	8	0.19
(1,4058)	1:B:21:PHE:HB2	1:B:18:ILE:HG21	8	0.19
(1,4058)	1:B:21:PHE:HB2	1:B:18:ILE:HG23	8	0.19
(1,4058)	1:B:18:ILE:HG22	1:A:91:CYS:HB2	20	0.19
(1,4058)	1:B:18:ILE:HG22	1:A:91:CYS:HB3	20	0.19
(1,4058)	1:B:18:ILE:HG21	1:A:91:CYS:HB2	20	0.19
(1,4058)	1:B:18:ILE:HG21	1:A:91:CYS:HB3	20	0.19
(1,4058)	1:B:18:ILE:HG23	1:A:91:CYS:HB2	20	0.19
(1,4058)	1:B:18:ILE:HG23	1:A:91:CYS:HB3	20	0.19
(1,4058)	1:B:21:PHE:HB2	1:B:18:ILE:HG22	20	0.19
(1,4058)	1:B:21:PHE:HB2	1:B:18:ILE:HG21	20	0.19
(1,4058)	1:B:21:PHE:HB2	1:B:18:ILE:HG23	20	0.19
(1,4057)	1:A:18:ILE:HG22	1:B:91:CYS:HB2	8	0.19
(1,4057)	1:A:18:ILE:HG22	1:B:91:CYS:HB3	8	0.19
(1,4057)	1:A:18:ILE:HG21	1:B:91:CYS:HB2	8	0.19
(1,4057)	1:A:18:ILE:HG21	1:B:91:CYS:HB3	8	0.19
(1,4057)	1:A:18:ILE:HG23	1:B:91:CYS:HB2	8	0.19
(1,4057)	1:A:18:ILE:HG23	1:B:91:CYS:HB3	8	0.19
(1,4057)	1:A:21:PHE:HB2	1:A:18:ILE:HG22	8	0.19
(1,4057)	1:A:21:PHE:HB2	1:A:18:ILE:HG21	8	0.19
(1,4057)	1:A:21:PHE:HB2	1:A:18:ILE:HG23	8	0.19
(1,4057)	1:A:18:ILE:HG22	1:B:91:CYS:HB2	20	0.19
(1,4057)	1:A:18:ILE:HG22	1:B:91:CYS:HB3	20	0.19
(1,4057)	1:A:18:ILE:HG21	1:B:91:CYS:HB2	20	0.19
(1,4057)	1:A:18:ILE:HG21	1:B:91:CYS:HB3	20	0.19
(1,4057)	1:A:18:ILE:HG23	1:B:91:CYS:HB2	20	0.19
(1,4057)	1:A:18:ILE:HG23	1:B:91:CYS:HB3	20	0.19
(1,4057)	1:A:21:PHE:HB2	1:A:18:ILE:HG22	20	0.19
(1,4057)	1:A:21:PHE:HB2	1:A:18:ILE:HG21	20	0.19
(1,4057)	1:A:21:PHE:HB2	1:A:18:ILE:HG23	20	0.19
(1,4012)	1:B:81:LEU:HD22	1:A:89:MET:HG3	1	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4012)	1:B:81:LEU:HD21	1:A:89:MET:HG3	1	0.19
(1,4012)	1:B:81:LEU:HD23	1:A:89:MET:HG3	1	0.19
(1,4012)	1:B:81:LEU:HD22	1:B:21:PHE:HB3	1	0.19
(1,4012)	1:B:81:LEU:HD21	1:B:21:PHE:HB3	1	0.19
(1,4012)	1:B:81:LEU:HD23	1:B:21:PHE:HB3	1	0.19
(1,4011)	1:A:81:LEU:HD22	1:B:89:MET:HG3	1	0.19
(1,4011)	1:A:81:LEU:HD21	1:B:89:MET:HG3	1	0.19
(1,4011)	1:A:81:LEU:HD23	1:B:89:MET:HG3	1	0.19
(1,4011)	1:A:81:LEU:HD22	1:A:21:PHE:HB3	1	0.19
(1,4011)	1:A:81:LEU:HD21	1:A:21:PHE:HB3	1	0.19
(1,4011)	1:A:81:LEU:HD23	1:A:21:PHE:HB3	1	0.19
(1,4011)	1:A:81:LEU:HD22	1:B:89:MET:HG3	2	0.19
(1,4011)	1:A:81:LEU:HD21	1:B:89:MET:HG3	2	0.19
(1,4011)	1:A:81:LEU:HD23	1:B:89:MET:HG3	2	0.19
(1,4011)	1:A:81:LEU:HD22	1:A:21:PHE:HB3	2	0.19
(1,4011)	1:A:81:LEU:HD21	1:A:21:PHE:HB3	2	0.19
(1,4011)	1:A:81:LEU:HD23	1:A:21:PHE:HB3	2	0.19
(1,3884)	1:B:89:MET:HG3	1:B:83:LEU:H	10	0.19
(1,3884)	1:B:89:MET:HG3	1:A:82:ASN:H	10	0.19
(1,3884)	1:B:63:MET:HG3	1:B:65:LYS:H	10	0.19
(1,3883)	1:A:89:MET:HG3	1:A:83:LEU:H	10	0.19
(1,3883)	1:A:89:MET:HG3	1:B:82:ASN:H	10	0.19
(1,3883)	1:A:63:MET:HG3	1:A:65:LYS:H	10	0.19
(1,3883)	1:A:89:MET:HG3	1:A:83:LEU:H	12	0.19
(1,3883)	1:A:89:MET:HG3	1:B:82:ASN:H	12	0.19
(1,3883)	1:A:63:MET:HG3	1:A:65:LYS:H	12	0.19
(1,3786)	1:B:63:MET:HG3	1:B:61:ASP:H	3	0.19
(1,3786)	1:B:89:MET:HG3	1:B:87:LEU:H	3	0.19
(1,3786)	1:B:63:MET:HG3	1:B:61:ASP:H	14	0.19
(1,3786)	1:B:89:MET:HG3	1:B:87:LEU:H	14	0.19
(1,3785)	1:A:63:MET:HG3	1:A:61:ASP:H	14	0.19
(1,3785)	1:A:89:MET:HG3	1:A:87:LEU:H	14	0.19
(1,3680)	1:B:33:THR:HB	1:B:34:LEU:HG	5	0.19
(1,3680)	1:B:33:THR:HB	1:B:75:LEU:HB3	5	0.19
(1,3680)	1:B:33:THR:HB	1:B:34:LEU:HG	9	0.19
(1,3680)	1:B:33:THR:HB	1:B:75:LEU:HB3	9	0.19
(1,3679)	1:A:33:THR:HB	1:A:34:LEU:HG	9	0.19
(1,3679)	1:A:33:THR:HB	1:A:75:LEU:HB3	9	0.19
(1,3678)	1:B:74:GLN:HG2	1:B:33:THR:HA	8	0.19
(1,3678)	1:B:74:GLN:HG3	1:B:33:THR:HA	8	0.19
(1,3678)	1:B:74:GLN:HG2	1:B:34:LEU:HA	8	0.19
(1,3678)	1:B:74:GLN:HG3	1:B:34:LEU:HA	8	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3677)	1:A:74:GLN:HG2	1:A:33:THR:HA	8	0.19
(1,3677)	1:A:74:GLN:HG3	1:A:33:THR:HA	8	0.19
(1,3677)	1:A:74:GLN:HG2	1:A:34:LEU:HA	8	0.19
(1,3677)	1:A:74:GLN:HG3	1:A:34:LEU:HA	8	0.19
(1,3670)	1:B:69:THR:HA	1:B:70:ASN:HB2	3	0.19
(1,3670)	1:B:70:ASN:HB2	1:B:71:SER:HA	3	0.19
(1,3669)	1:A:69:THR:HA	1:A:70:ASN:HB2	3	0.19
(1,3669)	1:A:70:ASN:HB2	1:A:71:SER:HA	3	0.19
(1,3584)	1:B:77:PHE:HB2	1:B:79:GLU:H	15	0.19
(1,3584)	1:B:68:ASP:HB3	1:B:64:MET:H	15	0.19
(1,3578)	1:B:37:THR:HB	1:B:28:ASP:HB3	17	0.19
(1,3578)	1:B:51:THR:HB	1:B:44:ASN:HB3	17	0.19
(1,3578)	1:B:51:THR:HB	1:B:53:ASN:HB3	17	0.19
(1,3577)	1:A:37:THR:HB	1:A:28:ASP:HB3	17	0.19
(1,3577)	1:A:51:THR:HB	1:A:44:ASN:HB3	17	0.19
(1,3577)	1:A:51:THR:HB	1:A:53:ASN:HB3	17	0.19
(1,3514)	1:B:40:LEU:HB2	1:B:39:PHE:HB3	19	0.19
(1,3514)	1:B:40:LEU:HB2	1:B:42:PHE:HB2	19	0.19
(1,3514)	1:B:60:LEU:HB2	1:B:39:PHE:HB3	19	0.19
(1,3513)	1:A:40:LEU:HB2	1:A:39:PHE:HB3	19	0.19
(1,3513)	1:A:40:LEU:HB2	1:A:42:PHE:HB2	19	0.19
(1,3513)	1:A:60:LEU:HB2	1:A:39:PHE:HB3	19	0.19
(1,3500)	1:B:29:GLY:HA2	1:B:28:ASP:HB2	9	0.19
(1,3500)	1:B:73:GLY:HA2	1:B:72:ASP:HB2	9	0.19
(1,3499)	1:A:29:GLY:HA2	1:A:28:ASP:HB2	9	0.19
(1,3499)	1:A:73:GLY:HA2	1:A:72:ASP:HB2	9	0.19
(1,3499)	1:A:29:GLY:HA2	1:A:28:ASP:HB2	19	0.19
(1,3499)	1:A:73:GLY:HA2	1:A:72:ASP:HB2	19	0.19
(1,3474)	1:B:11:GLU:H	1:B:17:LEU:HG	17	0.19
(1,3474)	1:B:17:LEU:HG	1:B:21:PHE:H	17	0.19
(1,3474)	1:B:17:LEU:HG	1:A:11:GLU:H	17	0.19
(1,3473)	1:A:11:GLU:H	1:A:17:LEU:HG	17	0.19
(1,3473)	1:A:17:LEU:HG	1:A:21:PHE:H	17	0.19
(1,3473)	1:A:17:LEU:HG	1:B:11:GLU:H	17	0.19
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD22	12	0.19
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD21	12	0.19
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD23	12	0.19
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD22	14	0.19
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD21	14	0.19
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD23	14	0.19
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD22	12	0.19
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD21	12	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD23	12	0.19
(1,3386)	1:B:17:LEU:HD22	1:A:11:GLU:HG2	6	0.19
(1,3386)	1:B:17:LEU:HD21	1:A:11:GLU:HG2	6	0.19
(1,3386)	1:B:17:LEU:HD23	1:A:11:GLU:HG2	6	0.19
(1,3386)	1:B:17:LEU:HD22	1:A:15:GLU:HG2	6	0.19
(1,3386)	1:B:17:LEU:HD21	1:A:15:GLU:HG2	6	0.19
(1,3386)	1:B:17:LEU:HD23	1:A:15:GLU:HG2	6	0.19
(1,3386)	1:B:17:LEU:HD22	1:A:89:MET:HG3	6	0.19
(1,3386)	1:B:17:LEU:HD21	1:A:89:MET:HG3	6	0.19
(1,3386)	1:B:17:LEU:HD23	1:A:89:MET:HG3	6	0.19
(1,3386)	1:B:83:LEU:HD22	1:A:11:GLU:HG2	6	0.19
(1,3386)	1:B:83:LEU:HD21	1:A:11:GLU:HG2	6	0.19
(1,3386)	1:B:83:LEU:HD23	1:A:11:GLU:HG2	6	0.19
(1,3385)	1:A:17:LEU:HD22	1:B:11:GLU:HG2	6	0.19
(1,3385)	1:A:17:LEU:HD21	1:B:11:GLU:HG2	6	0.19
(1,3385)	1:A:17:LEU:HD23	1:B:11:GLU:HG2	6	0.19
(1,3385)	1:A:17:LEU:HD22	1:B:15:GLU:HG2	6	0.19
(1,3385)	1:A:17:LEU:HD21	1:B:15:GLU:HG2	6	0.19
(1,3385)	1:A:17:LEU:HD23	1:B:15:GLU:HG2	6	0.19
(1,3385)	1:A:17:LEU:HD22	1:B:89:MET:HG3	6	0.19
(1,3385)	1:A:17:LEU:HD21	1:B:89:MET:HG3	6	0.19
(1,3385)	1:A:17:LEU:HD23	1:B:89:MET:HG3	6	0.19
(1,3385)	1:A:83:LEU:HD22	1:B:11:GLU:HG2	6	0.19
(1,3385)	1:A:83:LEU:HD21	1:B:11:GLU:HG2	6	0.19
(1,3385)	1:A:83:LEU:HD23	1:B:11:GLU:HG2	6	0.19
(1,3091)	1:A:75:LEU:H	1:A:75:LEU:HB3	13	0.19
(1,3056)	1:B:94:SER:H	1:B:93:ASP:HB2	6	0.19
(1,3056)	1:B:94:SER:H	1:B:93:ASP:HB2	11	0.19
(1,3055)	1:A:94:SER:H	1:A:93:ASP:HB2	11	0.19
(1,3017)	1:A:78:SER:H	1:A:77:PHE:HB3	19	0.19
(1,2692)	1:B:94:SER:H	1:B:91:CYS:H	12	0.19
(1,2691)	1:A:94:SER:H	1:A:91:CYS:H	12	0.19
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD22	4	0.19
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD21	4	0.19
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD23	4	0.19
(1,2635)	1:A:43:MET:H	1:A:34:LEU:HD22	4	0.19
(1,2635)	1:A:43:MET:H	1:A:34:LEU:HD21	4	0.19
(1,2635)	1:A:43:MET:H	1:A:34:LEU:HD23	4	0.19
(1,2630)	1:B:69:THR:H	1:B:67:LEU:HB2	1	0.19
(1,2630)	1:B:69:THR:H	1:B:67:LEU:HB2	4	0.19
(1,2630)	1:B:69:THR:H	1:B:67:LEU:HB2	6	0.19
(1,2629)	1:A:69:THR:H	1:A:67:LEU:HB2	1	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2629)	1:A:69:THR:H	1:A:67:LEU:HB2	5	0.19
(1,2629)	1:A:69:THR:H	1:A:67:LEU:HB2	6	0.19
(1,2629)	1:A:69:THR:H	1:A:67:LEU:HB2	12	0.19
(1,2110)	1:B:33:THR:HG21	1:B:76:ASP:HB3	16	0.19
(1,2110)	1:B:33:THR:HG22	1:B:76:ASP:HB3	16	0.19
(1,2110)	1:B:33:THR:HG23	1:B:76:ASP:HB3	16	0.19
(1,2109)	1:A:33:THR:HG21	1:A:76:ASP:HB3	16	0.19
(1,2109)	1:A:33:THR:HG22	1:A:76:ASP:HB3	16	0.19
(1,2109)	1:A:33:THR:HG23	1:A:76:ASP:HB3	16	0.19
(1,187)	1:A:42:PHE:HA	1:A:34:LEU:HD22	20	0.19
(1,187)	1:A:42:PHE:HA	1:A:34:LEU:HD21	20	0.19
(1,187)	1:A:42:PHE:HA	1:A:34:LEU:HD23	20	0.19
(1,147)	1:A:18:ILE:HG22	1:B:92:HIS:H	6	0.19
(1,147)	1:A:18:ILE:HG21	1:B:92:HIS:H	6	0.19
(1,147)	1:A:18:ILE:HG23	1:B:92:HIS:H	6	0.19
(1,1328)	1:B:34:LEU:HB2	1:B:39:PHE:HB3	12	0.19
(1,1328)	1:B:34:LEU:HB2	1:B:39:PHE:HB3	15	0.19
(1,1327)	1:A:34:LEU:HB2	1:A:39:PHE:HB3	12	0.19
(1,1296)	1:B:48:ALA:HB2	1:B:52:LYS:HE2	6	0.19
(1,1296)	1:B:48:ALA:HB2	1:B:52:LYS:HE3	6	0.19
(1,1296)	1:B:48:ALA:HB1	1:B:52:LYS:HE2	6	0.19
(1,1296)	1:B:48:ALA:HB1	1:B:52:LYS:HE3	6	0.19
(1,1296)	1:B:48:ALA:HB3	1:B:52:LYS:HE2	6	0.19
(1,1296)	1:B:48:ALA:HB3	1:B:52:LYS:HE3	6	0.19
(1,1295)	1:A:48:ALA:HB2	1:A:52:LYS:HE2	6	0.19
(1,1295)	1:A:48:ALA:HB2	1:A:52:LYS:HE3	6	0.19
(1,1295)	1:A:48:ALA:HB1	1:A:52:LYS:HE2	6	0.19
(1,1295)	1:A:48:ALA:HB1	1:A:52:LYS:HE3	6	0.19
(1,1295)	1:A:48:ALA:HB3	1:A:52:LYS:HE2	6	0.19
(1,1295)	1:A:48:ALA:HB3	1:A:52:LYS:HE3	6	0.19
(1,1222)	1:B:89:MET:HG2	1:B:88:ALA:HB2	4	0.19
(1,1222)	1:B:89:MET:HG2	1:B:88:ALA:HB1	4	0.19
(1,1222)	1:B:89:MET:HG2	1:B:88:ALA:HB3	4	0.19
(1,1222)	1:B:89:MET:HG2	1:B:88:ALA:HB2	19	0.19
(1,1222)	1:B:89:MET:HG2	1:B:88:ALA:HB1	19	0.19
(1,1222)	1:B:89:MET:HG2	1:B:88:ALA:HB3	19	0.19
(1,1221)	1:A:89:MET:HG2	1:A:88:ALA:HB2	4	0.19
(1,1221)	1:A:89:MET:HG2	1:A:88:ALA:HB1	4	0.19
(1,1221)	1:A:89:MET:HG2	1:A:88:ALA:HB3	4	0.19
(1,1221)	1:A:89:MET:HG2	1:A:88:ALA:HB2	15	0.19
(1,1221)	1:A:89:MET:HG2	1:A:88:ALA:HB1	15	0.19
(1,1221)	1:A:89:MET:HG2	1:A:88:ALA:HB3	15	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1221)	1:A:89:MET:HG2	1:A:88:ALA:HB2	19	0.19
(1,1221)	1:A:89:MET:HG2	1:A:88:ALA:HB1	19	0.19
(1,1221)	1:A:89:MET:HG2	1:A:88:ALA:HB3	19	0.19
(3,87)	1:B:46:GLU:N	1:B:42:PHE:O	5	0.18
(3,29)	1:A:46:GLU:N	1:A:42:PHE:O	5	0.18
(2,92)	1:B:44:ASN:HB3	1:B:47:LEU:H	12	0.18
(2,91)	1:A:44:ASN:HB3	1:A:47:LEU:H	12	0.18
(2,78)	1:B:61:ASP:HA	1:B:59:VAL:HA	2	0.18
(2,78)	1:B:61:ASP:HA	1:B:59:VAL:HA	3	0.18
(2,78)	1:B:61:ASP:HA	1:B:59:VAL:HA	5	0.18
(2,78)	1:B:61:ASP:HA	1:B:59:VAL:HA	7	0.18
(2,78)	1:B:61:ASP:HA	1:B:59:VAL:HA	11	0.18
(2,78)	1:B:61:ASP:HA	1:B:59:VAL:HA	14	0.18
(2,77)	1:A:61:ASP:HA	1:A:59:VAL:HA	2	0.18
(2,77)	1:A:61:ASP:HA	1:A:59:VAL:HA	3	0.18
(2,77)	1:A:61:ASP:HA	1:A:59:VAL:HA	5	0.18
(2,77)	1:A:61:ASP:HA	1:A:59:VAL:HA	7	0.18
(2,77)	1:A:61:ASP:HA	1:A:59:VAL:HA	11	0.18
(2,77)	1:A:61:ASP:HA	1:A:59:VAL:HA	14	0.18
(2,77)	1:A:61:ASP:HA	1:A:59:VAL:HA	20	0.18
(2,58)	1:B:8:THR:HB	1:A:45:THR:HB	6	0.18
(2,32)	1:B:38:GLU:HA	1:B:34:LEU:HA	6	0.18
(2,31)	1:A:38:GLU:HA	1:A:34:LEU:HA	6	0.18
(2,28)	1:B:16:SER:HA	1:B:21:PHE:H	6	0.18
(2,27)	1:A:16:SER:HA	1:A:21:PHE:H	6	0.18
(2,122)	1:B:76:ASP:HB3	1:B:68:ASP:HA	6	0.18
(2,121)	1:A:76:ASP:HB3	1:A:68:ASP:HA	6	0.18
(1,988)	1:B:87:LEU:HB2	1:B:86:GLY:H	20	0.18
(1,987)	1:A:87:LEU:HB2	1:A:86:GLY:H	5	0.18
(1,986)	1:B:61:ASP:H	1:B:58:GLY:HA3	9	0.18
(1,934)	1:B:97:LYS:HA	1:B:97:LYS:HE2	10	0.18
(1,934)	1:B:97:LYS:HA	1:B:97:LYS:HE3	10	0.18
(1,828)	1:B:40:LEU:HA	1:B:39:PHE:HB2	10	0.18
(1,828)	1:B:40:LEU:HA	1:B:39:PHE:HB2	11	0.18
(1,828)	1:B:40:LEU:HA	1:B:39:PHE:HB2	14	0.18
(1,827)	1:A:40:LEU:HA	1:A:39:PHE:HB2	10	0.18
(1,827)	1:A:40:LEU:HA	1:A:39:PHE:HB2	11	0.18
(1,827)	1:A:40:LEU:HA	1:A:39:PHE:HB2	14	0.18
(1,686)	1:B:84:ILE:HB	1:B:83:LEU:HG	1	0.18
(1,686)	1:B:84:ILE:HB	1:B:83:LEU:HG	16	0.18
(1,685)	1:A:84:ILE:HB	1:A:83:LEU:HG	1	0.18
(1,685)	1:A:84:ILE:HB	1:A:83:LEU:HG	16	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,674)	1:B:13:CYS:HB2	1:B:14:ILE:HG12	18	0.18
(1,674)	1:B:13:CYS:HB2	1:B:14:ILE:HG13	18	0.18
(1,622)	1:B:63:MET:H	1:B:62:ARG:HG2	1	0.18
(1,622)	1:B:63:MET:H	1:B:62:ARG:HG2	9	0.18
(1,621)	1:A:63:MET:H	1:A:62:ARG:HG2	1	0.18
(1,5712)	1:B:42:PHE:H	1:B:38:GLU:HA	18	0.18
(1,5712)	1:B:42:PHE:H	1:B:39:PHE:HA	18	0.18
(1,5711)	1:A:42:PHE:H	1:A:38:GLU:HA	18	0.18
(1,5711)	1:A:42:PHE:H	1:A:39:PHE:HA	18	0.18
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD22	15	0.18
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD21	15	0.18
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD23	15	0.18
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD12	15	0.18
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD11	15	0.18
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD13	15	0.18
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD22	15	0.18
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD21	15	0.18
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD23	15	0.18
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD12	15	0.18
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD11	15	0.18
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD13	15	0.18
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG22	9	0.18
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG21	9	0.18
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG23	9	0.18
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG12	9	0.18
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG11	9	0.18
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG13	9	0.18
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG22	9	0.18
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG21	9	0.18
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG23	9	0.18
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG12	9	0.18
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG11	9	0.18
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG13	9	0.18
(1,5530)	1:B:36:LYS:H	1:B:40:LEU:HD22	5	0.18
(1,5530)	1:B:36:LYS:H	1:B:40:LEU:HD21	5	0.18
(1,5530)	1:B:36:LYS:H	1:B:40:LEU:HD23	5	0.18
(1,5530)	1:B:39:PHE:H	1:B:40:LEU:HD22	5	0.18
(1,5530)	1:B:39:PHE:H	1:B:40:LEU:HD21	5	0.18
(1,5530)	1:B:39:PHE:H	1:B:40:LEU:HD23	5	0.18
(1,5529)	1:A:36:LYS:H	1:A:40:LEU:HD22	5	0.18
(1,5529)	1:A:36:LYS:H	1:A:40:LEU:HD21	5	0.18
(1,5529)	1:A:36:LYS:H	1:A:40:LEU:HD23	5	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5529)	1:A:39:PHE:H	1:A:40:LEU:HD22	5	0.18
(1,5529)	1:A:39:PHE:H	1:A:40:LEU:HD21	5	0.18
(1,5529)	1:A:39:PHE:H	1:A:40:LEU:HD23	5	0.18
(1,5529)	1:A:36:LYS:H	1:A:40:LEU:HD22	16	0.18
(1,5529)	1:A:36:LYS:H	1:A:40:LEU:HD21	16	0.18
(1,5529)	1:A:36:LYS:H	1:A:40:LEU:HD23	16	0.18
(1,5529)	1:A:39:PHE:H	1:A:40:LEU:HD22	16	0.18
(1,5529)	1:A:39:PHE:H	1:A:40:LEU:HD21	16	0.18
(1,5529)	1:A:39:PHE:H	1:A:40:LEU:HD23	16	0.18
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG22	2	0.18
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG21	2	0.18
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG23	2	0.18
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD12	2	0.18
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD11	2	0.18
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD13	2	0.18
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD22	2	0.18
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD21	2	0.18
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD23	2	0.18
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG22	2	0.18
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG21	2	0.18
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG23	2	0.18
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD12	2	0.18
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD11	2	0.18
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD13	2	0.18
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD22	2	0.18
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD21	2	0.18
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD23	2	0.18
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG22	15	0.18
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG21	15	0.18
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG23	15	0.18
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD12	15	0.18
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD11	15	0.18
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD13	15	0.18
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD22	15	0.18
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD21	15	0.18
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD23	15	0.18
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG22	16	0.18
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG21	16	0.18
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG23	16	0.18
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD12	16	0.18
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD11	16	0.18
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD13	16	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD22	16	0.18
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD21	16	0.18
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD23	16	0.18
(1,540)	1:B:16:SER:HA	1:B:15:GLU:H	1	0.18
(1,540)	1:B:16:SER:HA	1:B:15:GLU:H	14	0.18
(1,540)	1:B:16:SER:HA	1:B:15:GLU:H	15	0.18
(1,540)	1:B:16:SER:HA	1:B:15:GLU:H	20	0.18
(1,539)	1:A:16:SER:HA	1:A:15:GLU:H	14	0.18
(1,539)	1:A:16:SER:HA	1:A:15:GLU:H	15	0.18
(1,539)	1:A:16:SER:HA	1:A:15:GLU:H	20	0.18
(1,5352)	1:B:41:SER:H	1:B:39:PHE:HB3	9	0.18
(1,5352)	1:B:41:SER:H	1:B:42:PHE:HB2	9	0.18
(1,5351)	1:A:41:SER:H	1:A:39:PHE:HB3	9	0.18
(1,5351)	1:A:41:SER:H	1:A:42:PHE:HB2	9	0.18
(1,5351)	1:A:41:SER:H	1:A:39:PHE:HB3	14	0.18
(1,5351)	1:A:41:SER:H	1:A:42:PHE:HB2	14	0.18
(1,5292)	1:B:94:SER:H	1:B:96:LEU:HB3	2	0.18
(1,5292)	1:B:94:SER:H	1:B:96:LEU:HG	2	0.18
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB2	2	0.18
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB1	2	0.18
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB3	2	0.18
(1,5292)	1:B:94:SER:H	1:B:96:LEU:HB3	6	0.18
(1,5292)	1:B:94:SER:H	1:B:96:LEU:HG	6	0.18
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB2	6	0.18
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB1	6	0.18
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB3	6	0.18
(1,5292)	1:B:94:SER:H	1:B:96:LEU:HB3	7	0.18
(1,5292)	1:B:94:SER:H	1:B:96:LEU:HG	7	0.18
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB2	7	0.18
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB1	7	0.18
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB3	7	0.18
(1,5292)	1:B:94:SER:H	1:B:96:LEU:HB3	8	0.18
(1,5292)	1:B:94:SER:H	1:B:96:LEU:HG	8	0.18
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB2	8	0.18
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB1	8	0.18
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB3	8	0.18
(1,5292)	1:B:94:SER:H	1:B:96:LEU:HB3	11	0.18
(1,5292)	1:B:94:SER:H	1:B:96:LEU:HG	11	0.18
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB2	11	0.18
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB1	11	0.18
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB3	11	0.18
(1,5292)	1:B:94:SER:H	1:B:96:LEU:HB3	14	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5292)	1:B:94:SER:H	1:B:96:LEU:HG	14	0.18
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB2	14	0.18
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB1	14	0.18
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB3	14	0.18
(1,5292)	1:B:94:SER:H	1:B:96:LEU:HB3	19	0.18
(1,5292)	1:B:94:SER:H	1:B:96:LEU:HG	19	0.18
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB2	19	0.18
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB1	19	0.18
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB3	19	0.18
(1,5291)	1:A:94:SER:H	1:A:96:LEU:HB3	2	0.18
(1,5291)	1:A:94:SER:H	1:A:96:LEU:HG	2	0.18
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB2	2	0.18
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB1	2	0.18
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB3	2	0.18
(1,5291)	1:A:94:SER:H	1:A:96:LEU:HB3	7	0.18
(1,5291)	1:A:94:SER:H	1:A:96:LEU:HG	7	0.18
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB2	7	0.18
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB1	7	0.18
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB3	7	0.18
(1,5291)	1:A:94:SER:H	1:A:96:LEU:HB3	11	0.18
(1,5291)	1:A:94:SER:H	1:A:96:LEU:HG	11	0.18
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB2	11	0.18
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB1	11	0.18
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB3	11	0.18
(1,5291)	1:A:94:SER:H	1:A:96:LEU:HB3	12	0.18
(1,5291)	1:A:94:SER:H	1:A:96:LEU:HG	12	0.18
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB2	12	0.18
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB1	12	0.18
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB3	12	0.18
(1,5291)	1:A:94:SER:H	1:A:96:LEU:HB3	14	0.18
(1,5291)	1:A:94:SER:H	1:A:96:LEU:HG	14	0.18
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB2	14	0.18
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB1	14	0.18
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB3	14	0.18
(1,5291)	1:A:94:SER:H	1:A:96:LEU:HB3	19	0.18
(1,5291)	1:A:94:SER:H	1:A:96:LEU:HG	19	0.18
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB2	19	0.18
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB1	19	0.18
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB3	19	0.18
(1,5216)	1:B:34:LEU:H	1:B:21:PHE:HB3	20	0.18
(1,5216)	1:B:34:LEU:H	1:B:22:GLN:HG2	20	0.18
(1,5216)	1:B:34:LEU:H	1:B:22:GLN:HG3	20	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5216)	1:B:34:LEU:H	1:B:64:MET:HG2	20	0.18
(1,5216)	1:B:34:LEU:H	1:B:64:MET:HG3	20	0.18
(1,5216)	1:B:34:LEU:H	1:B:77:PHE:HB2	20	0.18
(1,5215)	1:A:34:LEU:H	1:A:21:PHE:HB3	20	0.18
(1,5215)	1:A:34:LEU:H	1:A:22:GLN:HG2	20	0.18
(1,5215)	1:A:34:LEU:H	1:A:22:GLN:HG3	20	0.18
(1,5215)	1:A:34:LEU:H	1:A:64:MET:HG2	20	0.18
(1,5215)	1:A:34:LEU:H	1:A:64:MET:HG3	20	0.18
(1,5215)	1:A:34:LEU:H	1:A:77:PHE:HB2	20	0.18
(1,5058)	1:B:37:THR:HG21	1:B:33:THR:HG21	4	0.18
(1,5058)	1:B:37:THR:HG21	1:B:33:THR:HG22	4	0.18
(1,5058)	1:B:37:THR:HG21	1:B:33:THR:HG23	4	0.18
(1,5058)	1:B:37:THR:HG22	1:B:33:THR:HG21	4	0.18
(1,5058)	1:B:37:THR:HG22	1:B:33:THR:HG22	4	0.18
(1,5058)	1:B:37:THR:HG22	1:B:33:THR:HG23	4	0.18
(1,5058)	1:B:37:THR:HG23	1:B:33:THR:HG21	4	0.18
(1,5058)	1:B:37:THR:HG23	1:B:33:THR:HG22	4	0.18
(1,5058)	1:B:37:THR:HG23	1:B:33:THR:HG23	4	0.18
(1,5058)	1:B:45:THR:HG21	1:B:23:LYS:HG2	4	0.18
(1,5058)	1:B:45:THR:HG22	1:B:23:LYS:HG2	4	0.18
(1,5058)	1:B:45:THR:HG23	1:B:23:LYS:HG2	4	0.18
(1,5058)	1:B:45:THR:HG21	1:B:47:LEU:HG	4	0.18
(1,5058)	1:B:45:THR:HG22	1:B:47:LEU:HG	4	0.18
(1,5058)	1:B:45:THR:HG23	1:B:47:LEU:HG	4	0.18
(1,5058)	1:B:45:THR:HG21	1:A:10:THR:HG21	4	0.18
(1,5058)	1:B:45:THR:HG21	1:A:10:THR:HG22	4	0.18
(1,5058)	1:B:45:THR:HG21	1:A:10:THR:HG23	4	0.18
(1,5058)	1:B:45:THR:HG22	1:A:10:THR:HG21	4	0.18
(1,5058)	1:B:45:THR:HG22	1:A:10:THR:HG22	4	0.18
(1,5058)	1:B:45:THR:HG22	1:A:10:THR:HG23	4	0.18
(1,5058)	1:B:45:THR:HG23	1:A:10:THR:HG21	4	0.18
(1,5058)	1:B:45:THR:HG23	1:A:10:THR:HG22	4	0.18
(1,5058)	1:B:45:THR:HG23	1:A:10:THR:HG23	4	0.18
(1,5030)	1:B:62:ARG:HG3	1:B:62:ARG:HA	1	0.18
(1,5030)	1:B:65:LYS:HG2	1:B:65:LYS:HA	1	0.18
(1,5030)	1:B:65:LYS:HG3	1:B:65:LYS:HA	1	0.18
(1,5029)	1:A:62:ARG:HG3	1:A:62:ARG:HA	1	0.18
(1,5029)	1:A:65:LYS:HG2	1:A:65:LYS:HA	1	0.18
(1,5029)	1:A:65:LYS:HG3	1:A:65:LYS:HA	1	0.18
(1,4936)	1:B:67:LEU:HD12	1:B:33:THR:HG21	2	0.18
(1,4936)	1:B:67:LEU:HD12	1:B:33:THR:HG22	2	0.18
(1,4936)	1:B:67:LEU:HD12	1:B:33:THR:HG23	2	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4936)	1:B:67:LEU:HD11	1:B:33:THR:HG21	2	0.18
(1,4936)	1:B:67:LEU:HD11	1:B:33:THR:HG22	2	0.18
(1,4936)	1:B:67:LEU:HD11	1:B:33:THR:HG23	2	0.18
(1,4936)	1:B:67:LEU:HD13	1:B:33:THR:HG21	2	0.18
(1,4936)	1:B:67:LEU:HD13	1:B:33:THR:HG22	2	0.18
(1,4936)	1:B:67:LEU:HD13	1:B:33:THR:HG23	2	0.18
(1,4936)	1:B:67:LEU:HD12	1:B:47:LEU:HG	2	0.18
(1,4936)	1:B:67:LEU:HD11	1:B:47:LEU:HG	2	0.18
(1,4936)	1:B:67:LEU:HD13	1:B:47:LEU:HG	2	0.18
(1,4936)	1:B:67:LEU:HD12	1:B:59:VAL:HG12	2	0.18
(1,4936)	1:B:67:LEU:HD12	1:B:59:VAL:HG11	2	0.18
(1,4936)	1:B:67:LEU:HD12	1:B:59:VAL:HG13	2	0.18
(1,4936)	1:B:67:LEU:HD11	1:B:59:VAL:HG12	2	0.18
(1,4936)	1:B:67:LEU:HD11	1:B:59:VAL:HG11	2	0.18
(1,4936)	1:B:67:LEU:HD11	1:B:59:VAL:HG13	2	0.18
(1,4936)	1:B:67:LEU:HD13	1:B:59:VAL:HG12	2	0.18
(1,4936)	1:B:67:LEU:HD13	1:B:59:VAL:HG11	2	0.18
(1,4936)	1:B:67:LEU:HD13	1:B:59:VAL:HG13	2	0.18
(1,4936)	1:B:67:LEU:HD12	1:B:33:THR:HG21	15	0.18
(1,4936)	1:B:67:LEU:HD12	1:B:33:THR:HG22	15	0.18
(1,4936)	1:B:67:LEU:HD12	1:B:33:THR:HG23	15	0.18
(1,4936)	1:B:67:LEU:HD11	1:B:33:THR:HG21	15	0.18
(1,4936)	1:B:67:LEU:HD11	1:B:33:THR:HG22	15	0.18
(1,4936)	1:B:67:LEU:HD11	1:B:33:THR:HG23	15	0.18
(1,4936)	1:B:67:LEU:HD13	1:B:33:THR:HG21	15	0.18
(1,4936)	1:B:67:LEU:HD13	1:B:33:THR:HG22	15	0.18
(1,4936)	1:B:67:LEU:HD13	1:B:33:THR:HG23	15	0.18
(1,4936)	1:B:67:LEU:HD12	1:B:47:LEU:HG	15	0.18
(1,4936)	1:B:67:LEU:HD11	1:B:47:LEU:HG	15	0.18
(1,4936)	1:B:67:LEU:HD13	1:B:47:LEU:HG	15	0.18
(1,4936)	1:B:67:LEU:HD12	1:B:59:VAL:HG12	15	0.18
(1,4936)	1:B:67:LEU:HD12	1:B:59:VAL:HG11	15	0.18
(1,4936)	1:B:67:LEU:HD12	1:B:59:VAL:HG13	15	0.18
(1,4936)	1:B:67:LEU:HD11	1:B:59:VAL:HG12	15	0.18
(1,4936)	1:B:67:LEU:HD11	1:B:59:VAL:HG11	15	0.18
(1,4936)	1:B:67:LEU:HD11	1:B:59:VAL:HG13	15	0.18
(1,4936)	1:B:67:LEU:HD13	1:B:59:VAL:HG12	15	0.18
(1,4936)	1:B:67:LEU:HD13	1:B:59:VAL:HG11	15	0.18
(1,4936)	1:B:67:LEU:HD13	1:B:59:VAL:HG13	15	0.18
(1,4935)	1:A:67:LEU:HD12	1:A:33:THR:HG21	2	0.18
(1,4935)	1:A:67:LEU:HD12	1:A:33:THR:HG22	2	0.18
(1,4935)	1:A:67:LEU:HD12	1:A:33:THR:HG23	2	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4935)	1:A:67:LEU:HD11	1:A:33:THR:HG21	2	0.18
(1,4935)	1:A:67:LEU:HD11	1:A:33:THR:HG22	2	0.18
(1,4935)	1:A:67:LEU:HD11	1:A:33:THR:HG23	2	0.18
(1,4935)	1:A:67:LEU:HD13	1:A:33:THR:HG21	2	0.18
(1,4935)	1:A:67:LEU:HD13	1:A:33:THR:HG22	2	0.18
(1,4935)	1:A:67:LEU:HD13	1:A:33:THR:HG23	2	0.18
(1,4935)	1:A:67:LEU:HD12	1:A:47:LEU:HG	2	0.18
(1,4935)	1:A:67:LEU:HD11	1:A:47:LEU:HG	2	0.18
(1,4935)	1:A:67:LEU:HD13	1:A:47:LEU:HG	2	0.18
(1,4935)	1:A:67:LEU:HD12	1:A:59:VAL:HG12	2	0.18
(1,4935)	1:A:67:LEU:HD12	1:A:59:VAL:HG11	2	0.18
(1,4935)	1:A:67:LEU:HD12	1:A:59:VAL:HG13	2	0.18
(1,4935)	1:A:67:LEU:HD11	1:A:59:VAL:HG12	2	0.18
(1,4935)	1:A:67:LEU:HD11	1:A:59:VAL:HG11	2	0.18
(1,4935)	1:A:67:LEU:HD11	1:A:59:VAL:HG13	2	0.18
(1,4935)	1:A:67:LEU:HD13	1:A:59:VAL:HG12	2	0.18
(1,4935)	1:A:67:LEU:HD13	1:A:59:VAL:HG11	2	0.18
(1,4935)	1:A:67:LEU:HD13	1:A:59:VAL:HG13	2	0.18
(1,4935)	1:A:67:LEU:HD12	1:A:33:THR:HG21	15	0.18
(1,4935)	1:A:67:LEU:HD12	1:A:33:THR:HG22	15	0.18
(1,4935)	1:A:67:LEU:HD12	1:A:33:THR:HG23	15	0.18
(1,4935)	1:A:67:LEU:HD11	1:A:33:THR:HG21	15	0.18
(1,4935)	1:A:67:LEU:HD11	1:A:33:THR:HG22	15	0.18
(1,4935)	1:A:67:LEU:HD11	1:A:33:THR:HG23	15	0.18
(1,4935)	1:A:67:LEU:HD13	1:A:33:THR:HG21	15	0.18
(1,4935)	1:A:67:LEU:HD13	1:A:33:THR:HG22	15	0.18
(1,4935)	1:A:67:LEU:HD13	1:A:33:THR:HG23	15	0.18
(1,4935)	1:A:67:LEU:HD12	1:A:47:LEU:HG	15	0.18
(1,4935)	1:A:67:LEU:HD11	1:A:47:LEU:HG	15	0.18
(1,4935)	1:A:67:LEU:HD13	1:A:47:LEU:HG	15	0.18
(1,4935)	1:A:67:LEU:HD12	1:A:59:VAL:HG12	15	0.18
(1,4935)	1:A:67:LEU:HD12	1:A:59:VAL:HG11	15	0.18
(1,4935)	1:A:67:LEU:HD12	1:A:59:VAL:HG13	15	0.18
(1,4935)	1:A:67:LEU:HD11	1:A:59:VAL:HG12	15	0.18
(1,4935)	1:A:67:LEU:HD11	1:A:59:VAL:HG11	15	0.18
(1,4935)	1:A:67:LEU:HD11	1:A:59:VAL:HG13	15	0.18
(1,4935)	1:A:67:LEU:HD13	1:A:59:VAL:HG12	15	0.18
(1,4935)	1:A:67:LEU:HD13	1:A:59:VAL:HG11	15	0.18
(1,4935)	1:A:67:LEU:HD13	1:A:59:VAL:HG13	15	0.18
(1,4920)	1:B:52:LYS:HA	1:B:43:MET:HB2	3	0.18
(1,4920)	1:B:52:LYS:HA	1:B:43:MET:HB3	3	0.18
(1,4920)	1:B:52:LYS:HA	1:B:47:LEU:HB3	3	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4920)	1:B:71:SER:HA	1:B:36:LYS:HD2	3	0.18
(1,4920)	1:B:71:SER:HA	1:B:36:LYS:HD3	3	0.18
(1,4920)	1:B:71:SER:HA	1:B:67:LEU:HB2	3	0.18
(1,4920)	1:B:71:SER:HA	1:B:74:GLN:HB3	3	0.18
(1,4919)	1:A:52:LYS:HA	1:A:43:MET:HB2	3	0.18
(1,4919)	1:A:52:LYS:HA	1:A:43:MET:HB3	3	0.18
(1,4919)	1:A:52:LYS:HA	1:A:47:LEU:HB3	3	0.18
(1,4919)	1:A:71:SER:HA	1:A:36:LYS:HD2	3	0.18
(1,4919)	1:A:71:SER:HA	1:A:36:LYS:HD3	3	0.18
(1,4919)	1:A:71:SER:HA	1:A:67:LEU:HB2	3	0.18
(1,4919)	1:A:71:SER:HA	1:A:74:GLN:HB3	3	0.18
(1,4858)	1:B:23:LYS:HB2	1:B:23:LYS:HE2	11	0.18
(1,4858)	1:B:23:LYS:HB2	1:B:23:LYS:HE3	11	0.18
(1,4858)	1:B:23:LYS:HB3	1:B:23:LYS:HE2	11	0.18
(1,4858)	1:B:23:LYS:HB3	1:B:23:LYS:HE3	11	0.18
(1,4857)	1:A:23:LYS:HB2	1:A:23:LYS:HE2	11	0.18
(1,4857)	1:A:23:LYS:HB2	1:A:23:LYS:HE3	11	0.18
(1,4857)	1:A:23:LYS:HB3	1:A:23:LYS:HE2	11	0.18
(1,4857)	1:A:23:LYS:HB3	1:A:23:LYS:HE3	11	0.18
(1,4840)	1:B:68:ASP:HB2	1:B:39:PHE:HB3	11	0.18
(1,4840)	1:B:68:ASP:HB2	1:B:72:ASP:HB2	11	0.18
(1,4840)	1:B:80:PHE:HB3	1:B:39:PHE:HB3	11	0.18
(1,4839)	1:A:68:ASP:HB2	1:A:39:PHE:HB3	11	0.18
(1,4839)	1:A:68:ASP:HB2	1:A:72:ASP:HB2	11	0.18
(1,4839)	1:A:80:PHE:HB3	1:A:39:PHE:HB3	11	0.18
(1,4832)	1:B:12:ARG:HD2	1:B:9:GLU:HA	10	0.18
(1,4832)	1:B:12:ARG:HD3	1:B:9:GLU:HA	10	0.18
(1,4832)	1:B:12:ARG:HD2	1:B:12:ARG:HA	10	0.18
(1,4832)	1:B:12:ARG:HD3	1:B:12:ARG:HA	10	0.18
(1,4832)	1:B:12:ARG:HD2	1:B:9:GLU:HA	11	0.18
(1,4832)	1:B:12:ARG:HD3	1:B:9:GLU:HA	11	0.18
(1,4832)	1:B:12:ARG:HD2	1:B:12:ARG:HA	11	0.18
(1,4832)	1:B:12:ARG:HD3	1:B:12:ARG:HA	11	0.18
(1,4831)	1:A:12:ARG:HD2	1:A:9:GLU:HA	2	0.18
(1,4831)	1:A:12:ARG:HD3	1:A:9:GLU:HA	2	0.18
(1,4831)	1:A:12:ARG:HD2	1:A:12:ARG:HA	2	0.18
(1,4831)	1:A:12:ARG:HD3	1:A:12:ARG:HA	2	0.18
(1,4831)	1:A:12:ARG:HD2	1:A:9:GLU:HA	10	0.18
(1,4831)	1:A:12:ARG:HD3	1:A:9:GLU:HA	10	0.18
(1,4831)	1:A:12:ARG:HD2	1:A:12:ARG:HA	10	0.18
(1,4831)	1:A:12:ARG:HD3	1:A:12:ARG:HA	10	0.18
(1,4831)	1:A:12:ARG:HD2	1:A:9:GLU:HA	11	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4831)	1:A:12:ARG:HD3	1:A:9:GLU:HA	11	0.18
(1,4831)	1:A:12:ARG:HD2	1:A:12:ARG:HA	11	0.18
(1,4831)	1:A:12:ARG:HD3	1:A:12:ARG:HA	11	0.18
(1,4826)	1:B:19:ALA:HB2	1:B:15:GLU:HB2	4	0.18
(1,4826)	1:B:19:ALA:HB2	1:B:15:GLU:HB3	4	0.18
(1,4826)	1:B:19:ALA:HB1	1:B:15:GLU:HB2	4	0.18
(1,4826)	1:B:19:ALA:HB1	1:B:15:GLU:HB3	4	0.18
(1,4826)	1:B:19:ALA:HB3	1:B:15:GLU:HB2	4	0.18
(1,4826)	1:B:19:ALA:HB3	1:B:15:GLU:HB3	4	0.18
(1,4826)	1:B:19:ALA:HB2	1:A:9:GLU:HB2	4	0.18
(1,4826)	1:B:19:ALA:HB2	1:A:9:GLU:HB3	4	0.18
(1,4826)	1:B:19:ALA:HB1	1:A:9:GLU:HB2	4	0.18
(1,4826)	1:B:19:ALA:HB1	1:A:9:GLU:HB3	4	0.18
(1,4826)	1:B:19:ALA:HB3	1:A:9:GLU:HB2	4	0.18
(1,4826)	1:B:19:ALA:HB3	1:A:9:GLU:HB3	4	0.18
(1,4826)	1:B:88:ALA:HB2	1:B:89:MET:HB2	4	0.18
(1,4826)	1:B:88:ALA:HB2	1:B:89:MET:HB3	4	0.18
(1,4826)	1:B:88:ALA:HB1	1:B:89:MET:HB2	4	0.18
(1,4826)	1:B:88:ALA:HB1	1:B:89:MET:HB3	4	0.18
(1,4826)	1:B:88:ALA:HB3	1:B:89:MET:HB2	4	0.18
(1,4826)	1:B:88:ALA:HB3	1:B:89:MET:HB3	4	0.18
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB2	4	0.18
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB1	4	0.18
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB3	4	0.18
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB2	4	0.18
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB1	4	0.18
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB3	4	0.18
(1,4826)	1:B:19:ALA:HB2	1:B:15:GLU:HB2	18	0.18
(1,4826)	1:B:19:ALA:HB2	1:B:15:GLU:HB3	18	0.18
(1,4826)	1:B:19:ALA:HB1	1:B:15:GLU:HB2	18	0.18
(1,4826)	1:B:19:ALA:HB1	1:B:15:GLU:HB3	18	0.18
(1,4826)	1:B:19:ALA:HB3	1:B:15:GLU:HB2	18	0.18
(1,4826)	1:B:19:ALA:HB3	1:B:15:GLU:HB3	18	0.18
(1,4826)	1:B:19:ALA:HB2	1:A:9:GLU:HB2	18	0.18
(1,4826)	1:B:19:ALA:HB2	1:A:9:GLU:HB3	18	0.18
(1,4826)	1:B:19:ALA:HB1	1:A:9:GLU:HB2	18	0.18
(1,4826)	1:B:19:ALA:HB1	1:A:9:GLU:HB3	18	0.18
(1,4826)	1:B:19:ALA:HB3	1:A:9:GLU:HB2	18	0.18
(1,4826)	1:B:19:ALA:HB3	1:A:9:GLU:HB3	18	0.18
(1,4826)	1:B:88:ALA:HB2	1:B:89:MET:HB2	18	0.18
(1,4826)	1:B:88:ALA:HB2	1:B:89:MET:HB3	18	0.18
(1,4826)	1:B:88:ALA:HB1	1:B:89:MET:HB2	18	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4826)	1:B:88:ALA:HB1	1:B:89:MET:HB3	18	0.18
(1,4826)	1:B:88:ALA:HB3	1:B:89:MET:HB2	18	0.18
(1,4826)	1:B:88:ALA:HB3	1:B:89:MET:HB3	18	0.18
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB2	18	0.18
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB1	18	0.18
(1,4826)	1:B:89:MET:HB2	1:B:90:ALA:HB3	18	0.18
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB2	18	0.18
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB1	18	0.18
(1,4826)	1:B:89:MET:HB3	1:B:90:ALA:HB3	18	0.18
(1,4825)	1:A:19:ALA:HB2	1:A:15:GLU:HB2	18	0.18
(1,4825)	1:A:19:ALA:HB2	1:A:15:GLU:HB3	18	0.18
(1,4825)	1:A:19:ALA:HB1	1:A:15:GLU:HB2	18	0.18
(1,4825)	1:A:19:ALA:HB1	1:A:15:GLU:HB3	18	0.18
(1,4825)	1:A:19:ALA:HB3	1:A:15:GLU:HB2	18	0.18
(1,4825)	1:A:19:ALA:HB3	1:A:15:GLU:HB3	18	0.18
(1,4825)	1:A:19:ALA:HB2	1:B:9:GLU:HB2	18	0.18
(1,4825)	1:A:19:ALA:HB2	1:B:9:GLU:HB3	18	0.18
(1,4825)	1:A:19:ALA:HB1	1:B:9:GLU:HB2	18	0.18
(1,4825)	1:A:19:ALA:HB1	1:B:9:GLU:HB3	18	0.18
(1,4825)	1:A:19:ALA:HB3	1:B:9:GLU:HB2	18	0.18
(1,4825)	1:A:19:ALA:HB3	1:B:9:GLU:HB3	18	0.18
(1,4825)	1:A:88:ALA:HB2	1:A:89:MET:HB2	18	0.18
(1,4825)	1:A:88:ALA:HB2	1:A:89:MET:HB3	18	0.18
(1,4825)	1:A:88:ALA:HB1	1:A:89:MET:HB2	18	0.18
(1,4825)	1:A:88:ALA:HB1	1:A:89:MET:HB3	18	0.18
(1,4825)	1:A:88:ALA:HB3	1:A:89:MET:HB2	18	0.18
(1,4825)	1:A:88:ALA:HB3	1:A:89:MET:HB3	18	0.18
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB2	18	0.18
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB1	18	0.18
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB3	18	0.18
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB2	18	0.18
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB1	18	0.18
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB3	18	0.18
(1,4688)	1:B:17:LEU:HD22	1:B:21:PHE:H	10	0.18
(1,4688)	1:B:17:LEU:HD21	1:B:21:PHE:H	10	0.18
(1,4688)	1:B:17:LEU:HD23	1:B:21:PHE:H	10	0.18
(1,4688)	1:B:38:GLU:H	1:B:40:LEU:HD22	10	0.18
(1,4688)	1:B:38:GLU:H	1:B:40:LEU:HD21	10	0.18
(1,4688)	1:B:38:GLU:H	1:B:40:LEU:HD23	10	0.18
(1,4688)	1:B:41:SER:H	1:B:40:LEU:HD22	10	0.18
(1,4688)	1:B:41:SER:H	1:B:40:LEU:HD21	10	0.18
(1,4688)	1:B:41:SER:H	1:B:40:LEU:HD23	10	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4688)	1:B:61:ASP:H	1:B:40:LEU:HD22	10	0.18
(1,4688)	1:B:61:ASP:H	1:B:40:LEU:HD21	10	0.18
(1,4688)	1:B:61:ASP:H	1:B:40:LEU:HD23	10	0.18
(1,4688)	1:B:61:ASP:H	1:B:60:LEU:HD22	10	0.18
(1,4688)	1:B:61:ASP:H	1:B:60:LEU:HD21	10	0.18
(1,4688)	1:B:61:ASP:H	1:B:60:LEU:HD23	10	0.18
(1,4687)	1:A:17:LEU:HD22	1:A:21:PHE:H	10	0.18
(1,4687)	1:A:17:LEU:HD21	1:A:21:PHE:H	10	0.18
(1,4687)	1:A:17:LEU:HD23	1:A:21:PHE:H	10	0.18
(1,4687)	1:A:38:GLU:H	1:A:40:LEU:HD22	10	0.18
(1,4687)	1:A:38:GLU:H	1:A:40:LEU:HD21	10	0.18
(1,4687)	1:A:38:GLU:H	1:A:40:LEU:HD23	10	0.18
(1,4687)	1:A:41:SER:H	1:A:40:LEU:HD22	10	0.18
(1,4687)	1:A:41:SER:H	1:A:40:LEU:HD21	10	0.18
(1,4687)	1:A:41:SER:H	1:A:40:LEU:HD23	10	0.18
(1,4687)	1:A:61:ASP:H	1:A:40:LEU:HD22	10	0.18
(1,4687)	1:A:61:ASP:H	1:A:40:LEU:HD21	10	0.18
(1,4687)	1:A:61:ASP:H	1:A:40:LEU:HD23	10	0.18
(1,4687)	1:A:61:ASP:H	1:A:60:LEU:HD22	10	0.18
(1,4687)	1:A:61:ASP:H	1:A:60:LEU:HD21	10	0.18
(1,4687)	1:A:61:ASP:H	1:A:60:LEU:HD23	10	0.18
(1,4654)	1:B:94:SER:HB2	1:B:99:VAL:HB	15	0.18
(1,4654)	1:B:94:SER:HB3	1:B:99:VAL:HB	15	0.18
(1,4654)	1:B:94:SER:HB2	1:B:100:PRO:HB3	15	0.18
(1,4654)	1:B:94:SER:HB3	1:B:100:PRO:HB3	15	0.18
(1,4654)	1:B:94:SER:HB2	1:B:100:PRO:HG2	15	0.18
(1,4654)	1:B:94:SER:HB3	1:B:100:PRO:HG2	15	0.18
(1,4654)	1:B:94:SER:HB2	1:B:100:PRO:HG3	15	0.18
(1,4654)	1:B:94:SER:HB3	1:B:100:PRO:HG3	15	0.18
(1,4654)	1:B:94:SER:HB2	1:A:11:GLU:HB2	15	0.18
(1,4654)	1:B:94:SER:HB2	1:A:11:GLU:HB3	15	0.18
(1,4654)	1:B:94:SER:HB3	1:A:11:GLU:HB2	15	0.18
(1,4654)	1:B:94:SER:HB3	1:A:11:GLU:HB3	15	0.18
(1,4654)	1:B:94:SER:HB2	1:A:14:ILE:HB	15	0.18
(1,4654)	1:B:94:SER:HB3	1:A:14:ILE:HB	15	0.18
(1,4654)	1:B:94:SER:HB2	1:A:22:GLN:HB2	15	0.18
(1,4654)	1:B:94:SER:HB2	1:A:22:GLN:HB3	15	0.18
(1,4654)	1:B:94:SER:HB3	1:A:22:GLN:HB2	15	0.18
(1,4654)	1:B:94:SER:HB3	1:A:22:GLN:HB3	15	0.18
(1,4653)	1:A:94:SER:HB2	1:A:99:VAL:HB	15	0.18
(1,4653)	1:A:94:SER:HB3	1:A:99:VAL:HB	15	0.18
(1,4653)	1:A:94:SER:HB2	1:A:100:PRO:HB3	15	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4653)	1:A:94:SER:HB3	1:A:100:PRO:HB3	15	0.18
(1,4653)	1:A:94:SER:HB2	1:A:100:PRO:HG2	15	0.18
(1,4653)	1:A:94:SER:HB3	1:A:100:PRO:HG2	15	0.18
(1,4653)	1:A:94:SER:HB2	1:A:100:PRO:HG3	15	0.18
(1,4653)	1:A:94:SER:HB3	1:A:100:PRO:HG3	15	0.18
(1,4653)	1:A:94:SER:HB2	1:B:11:GLU:HB2	15	0.18
(1,4653)	1:A:94:SER:HB2	1:B:11:GLU:HB3	15	0.18
(1,4653)	1:A:94:SER:HB3	1:B:11:GLU:HB2	15	0.18
(1,4653)	1:A:94:SER:HB3	1:B:11:GLU:HB3	15	0.18
(1,4653)	1:A:94:SER:HB2	1:B:14:ILE:HB	15	0.18
(1,4653)	1:A:94:SER:HB3	1:B:14:ILE:HB	15	0.18
(1,4653)	1:A:94:SER:HB2	1:B:22:GLN:HB2	15	0.18
(1,4653)	1:A:94:SER:HB2	1:B:22:GLN:HB3	15	0.18
(1,4653)	1:A:94:SER:HB3	1:B:22:GLN:HB2	15	0.18
(1,4653)	1:A:94:SER:HB3	1:B:22:GLN:HB3	15	0.18
(1,4652)	1:B:37:THR:HG21	1:B:41:SER:H	20	0.18
(1,4652)	1:B:37:THR:HG22	1:B:41:SER:H	20	0.18
(1,4652)	1:B:37:THR:HG23	1:B:41:SER:H	20	0.18
(1,4652)	1:B:71:SER:H	1:B:69:THR:HG21	20	0.18
(1,4652)	1:B:71:SER:H	1:B:69:THR:HG22	20	0.18
(1,4652)	1:B:71:SER:H	1:B:69:THR:HG23	20	0.18
(1,4651)	1:A:37:THR:HG21	1:A:41:SER:H	20	0.18
(1,4651)	1:A:37:THR:HG22	1:A:41:SER:H	20	0.18
(1,4651)	1:A:37:THR:HG23	1:A:41:SER:H	20	0.18
(1,4651)	1:A:71:SER:H	1:A:69:THR:HG21	20	0.18
(1,4651)	1:A:71:SER:H	1:A:69:THR:HG22	20	0.18
(1,4651)	1:A:71:SER:H	1:A:69:THR:HG23	20	0.18
(1,4515)	1:A:48:ALA:HA	1:A:50:PHE:HB2	16	0.18
(1,4515)	1:A:48:ALA:HA	1:A:50:PHE:HB3	16	0.18
(1,4515)	1:A:49:ALA:HA	1:A:50:PHE:HB2	16	0.18
(1,4515)	1:A:49:ALA:HA	1:A:50:PHE:HB3	16	0.18
(1,4515)	1:A:94:SER:HB2	1:A:95:PHE:HB2	16	0.18
(1,4515)	1:A:94:SER:HB2	1:A:95:PHE:HB3	16	0.18
(1,4515)	1:A:94:SER:HB3	1:A:95:PHE:HB2	16	0.18
(1,4515)	1:A:94:SER:HB3	1:A:95:PHE:HB3	16	0.18
(1,4488)	1:B:84:ILE:HB	1:B:17:LEU:HD22	16	0.18
(1,4488)	1:B:84:ILE:HB	1:B:17:LEU:HD21	16	0.18
(1,4488)	1:B:84:ILE:HB	1:B:17:LEU:HD23	16	0.18
(1,4488)	1:B:84:ILE:HB	1:B:81:LEU:HG	16	0.18
(1,4488)	1:B:84:ILE:HB	1:B:83:LEU:HD22	16	0.18
(1,4488)	1:B:84:ILE:HB	1:B:83:LEU:HD21	16	0.18
(1,4488)	1:B:84:ILE:HB	1:B:83:LEU:HD23	16	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4487)	1:A:84:ILE:HB	1:A:17:LEU:HD22	16	0.18
(1,4487)	1:A:84:ILE:HB	1:A:17:LEU:HD21	16	0.18
(1,4487)	1:A:84:ILE:HB	1:A:17:LEU:HD23	16	0.18
(1,4487)	1:A:84:ILE:HB	1:A:81:LEU:HG	16	0.18
(1,4487)	1:A:84:ILE:HB	1:A:83:LEU:HD22	16	0.18
(1,4487)	1:A:84:ILE:HB	1:A:83:LEU:HD21	16	0.18
(1,4487)	1:A:84:ILE:HB	1:A:83:LEU:HD23	16	0.18
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD22	16	0.18
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD21	16	0.18
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD23	16	0.18
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD22	16	0.18
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD21	16	0.18
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD23	16	0.18
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD22	16	0.18
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD21	16	0.18
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD23	16	0.18
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD12	16	0.18
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD11	16	0.18
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD13	16	0.18
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD12	16	0.18
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD11	16	0.18
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD13	16	0.18
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD12	16	0.18
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD11	16	0.18
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD13	16	0.18
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD22	20	0.18
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD21	20	0.18
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD23	20	0.18
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD22	20	0.18
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD21	20	0.18
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD23	20	0.18
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD22	20	0.18
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD21	20	0.18
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD23	20	0.18
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD12	20	0.18
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD11	20	0.18
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD13	20	0.18
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD12	20	0.18
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD11	20	0.18
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD13	20	0.18
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD12	20	0.18
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD11	20	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD13	20	0.18
(1,4316)	1:B:22:GLN:HA	1:B:19:ALA:HA	3	0.18
(1,4316)	1:B:25:ALA:HA	1:B:22:GLN:HA	3	0.18
(1,4316)	1:B:22:GLN:HA	1:B:26:GLY:HA2	3	0.18
(1,4316)	1:B:37:THR:HA	1:B:40:LEU:HA	3	0.18
(1,4316)	1:B:22:GLN:HA	1:B:19:ALA:HA	18	0.18
(1,4316)	1:B:25:ALA:HA	1:B:22:GLN:HA	18	0.18
(1,4316)	1:B:22:GLN:HA	1:B:26:GLY:HA2	18	0.18
(1,4316)	1:B:37:THR:HA	1:B:40:LEU:HA	18	0.18
(1,4316)	1:B:22:GLN:HA	1:B:19:ALA:HA	19	0.18
(1,4316)	1:B:25:ALA:HA	1:B:22:GLN:HA	19	0.18
(1,4316)	1:B:22:GLN:HA	1:B:26:GLY:HA2	19	0.18
(1,4316)	1:B:37:THR:HA	1:B:40:LEU:HA	19	0.18
(1,4315)	1:A:22:GLN:HA	1:A:19:ALA:HA	3	0.18
(1,4315)	1:A:25:ALA:HA	1:A:22:GLN:HA	3	0.18
(1,4315)	1:A:22:GLN:HA	1:A:26:GLY:HA2	3	0.18
(1,4315)	1:A:37:THR:HA	1:A:40:LEU:HA	3	0.18
(1,4315)	1:A:22:GLN:HA	1:A:19:ALA:HA	18	0.18
(1,4315)	1:A:25:ALA:HA	1:A:22:GLN:HA	18	0.18
(1,4315)	1:A:22:GLN:HA	1:A:26:GLY:HA2	18	0.18
(1,4315)	1:A:37:THR:HA	1:A:40:LEU:HA	18	0.18
(1,4270)	1:B:25:ALA:HB2	1:B:21:PHE:HB2	16	0.18
(1,4270)	1:B:25:ALA:HB1	1:B:21:PHE:HB2	16	0.18
(1,4270)	1:B:25:ALA:HB3	1:B:21:PHE:HB2	16	0.18
(1,4270)	1:B:25:ALA:HB2	1:B:24:TYR:HB2	16	0.18
(1,4270)	1:B:25:ALA:HB1	1:B:24:TYR:HB2	16	0.18
(1,4270)	1:B:25:ALA:HB3	1:B:24:TYR:HB2	16	0.18
(1,4269)	1:A:25:ALA:HB2	1:A:21:PHE:HB2	16	0.18
(1,4269)	1:A:25:ALA:HB1	1:A:21:PHE:HB2	16	0.18
(1,4269)	1:A:25:ALA:HB3	1:A:21:PHE:HB2	16	0.18
(1,4269)	1:A:25:ALA:HB2	1:A:24:TYR:HB2	16	0.18
(1,4269)	1:A:25:ALA:HB1	1:A:24:TYR:HB2	16	0.18
(1,4269)	1:A:25:ALA:HB3	1:A:24:TYR:HB2	16	0.18
(1,4262)	1:B:59:VAL:HA	1:B:61:ASP:HB2	7	0.18
(1,4262)	1:B:63:MET:HG2	1:B:59:VAL:HA	7	0.18
(1,4261)	1:A:59:VAL:HA	1:A:61:ASP:HB2	7	0.18
(1,4261)	1:A:63:MET:HG2	1:A:59:VAL:HA	7	0.18
(1,4246)	1:B:89:MET:HB2	1:B:85:GLY:H	3	0.18
(1,4246)	1:B:89:MET:HB3	1:B:85:GLY:H	3	0.18
(1,4246)	1:B:100:PRO:HB2	1:A:22:GLN:H	3	0.18
(1,4245)	1:A:89:MET:HB2	1:A:85:GLY:H	3	0.18
(1,4245)	1:A:89:MET:HB3	1:A:85:GLY:H	3	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4245)	1:A:100:PRO:HB2	1:B:22:GLN:H	3	0.18
(1,4245)	1:A:89:MET:HB2	1:A:85:GLY:H	12	0.18
(1,4245)	1:A:89:MET:HB3	1:A:85:GLY:H	12	0.18
(1,4245)	1:A:100:PRO:HB2	1:B:22:GLN:H	12	0.18
(1,4244)	1:B:87:LEU:HB2	1:B:91:CYS:HA	7	0.18
(1,4244)	1:B:91:CYS:HA	1:B:97:LYS:HB2	7	0.18
(1,4244)	1:B:91:CYS:HA	1:B:97:LYS:HB3	7	0.18
(1,4244)	1:B:91:CYS:HA	1:B:97:LYS:HD2	7	0.18
(1,4244)	1:B:91:CYS:HA	1:B:97:LYS:HD3	7	0.18
(1,4244)	1:B:91:CYS:HA	1:A:18:ILE:HB	7	0.18
(1,4154)	1:B:82:ASN:HA	1:B:81:LEU:HB2	13	0.18
(1,4154)	1:B:82:ASN:HA	1:B:83:LEU:HB3	13	0.18
(1,4154)	1:B:82:ASN:HA	1:A:81:LEU:HB2	13	0.18
(1,4153)	1:A:82:ASN:HA	1:A:81:LEU:HB2	13	0.18
(1,4153)	1:A:82:ASN:HA	1:A:83:LEU:HB3	13	0.18
(1,4153)	1:A:82:ASN:HA	1:B:81:LEU:HB2	13	0.18
(1,4149)	1:A:17:LEU:HG	1:A:13:CYS:HB2	5	0.18
(1,4149)	1:A:13:CYS:HB2	1:B:17:LEU:HG	5	0.18
(1,4066)	1:B:44:ASN:HB3	1:B:40:LEU:HD12	8	0.18
(1,4066)	1:B:44:ASN:HB3	1:B:40:LEU:HD11	8	0.18
(1,4066)	1:B:44:ASN:HB3	1:B:40:LEU:HD13	8	0.18
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD22	8	0.18
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD21	8	0.18
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD23	8	0.18
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD12	8	0.18
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD11	8	0.18
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD13	8	0.18
(1,4066)	1:B:44:ASN:HB3	1:B:40:LEU:HD12	12	0.18
(1,4066)	1:B:44:ASN:HB3	1:B:40:LEU:HD11	12	0.18
(1,4066)	1:B:44:ASN:HB3	1:B:40:LEU:HD13	12	0.18
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD22	12	0.18
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD21	12	0.18
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD23	12	0.18
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD12	12	0.18
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD11	12	0.18
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD13	12	0.18
(1,4065)	1:A:44:ASN:HB3	1:A:40:LEU:HD12	8	0.18
(1,4065)	1:A:44:ASN:HB3	1:A:40:LEU:HD11	8	0.18
(1,4065)	1:A:44:ASN:HB3	1:A:40:LEU:HD13	8	0.18
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD22	8	0.18
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD21	8	0.18
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD23	8	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD12	8	0.18
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD11	8	0.18
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD13	8	0.18
(1,4065)	1:A:44:ASN:HB3	1:A:40:LEU:HD12	12	0.18
(1,4065)	1:A:44:ASN:HB3	1:A:40:LEU:HD11	12	0.18
(1,4065)	1:A:44:ASN:HB3	1:A:40:LEU:HD13	12	0.18
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD22	12	0.18
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD21	12	0.18
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD23	12	0.18
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD12	12	0.18
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD11	12	0.18
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD13	12	0.18
(1,4058)	1:B:18:ILE:HG22	1:A:91:CYS:HB2	4	0.18
(1,4058)	1:B:18:ILE:HG22	1:A:91:CYS:HB3	4	0.18
(1,4058)	1:B:18:ILE:HG21	1:A:91:CYS:HB2	4	0.18
(1,4058)	1:B:18:ILE:HG21	1:A:91:CYS:HB3	4	0.18
(1,4058)	1:B:18:ILE:HG23	1:A:91:CYS:HB2	4	0.18
(1,4058)	1:B:18:ILE:HG23	1:A:91:CYS:HB3	4	0.18
(1,4058)	1:B:21:PHE:HB2	1:B:18:ILE:HG22	4	0.18
(1,4058)	1:B:21:PHE:HB2	1:B:18:ILE:HG21	4	0.18
(1,4058)	1:B:21:PHE:HB2	1:B:18:ILE:HG23	4	0.18
(1,4012)	1:B:81:LEU:HD22	1:A:89:MET:HG3	2	0.18
(1,4012)	1:B:81:LEU:HD21	1:A:89:MET:HG3	2	0.18
(1,4012)	1:B:81:LEU:HD23	1:A:89:MET:HG3	2	0.18
(1,4012)	1:B:81:LEU:HD22	1:B:21:PHE:HB3	2	0.18
(1,4012)	1:B:81:LEU:HD21	1:B:21:PHE:HB3	2	0.18
(1,4012)	1:B:81:LEU:HD23	1:B:21:PHE:HB3	2	0.18
(1,3914)	1:B:35:SER:HA	1:B:34:LEU:HG	11	0.18
(1,3914)	1:B:35:SER:HA	1:B:75:LEU:HB3	11	0.18
(1,3914)	1:B:35:SER:HA	1:B:34:LEU:HG	14	0.18
(1,3914)	1:B:35:SER:HA	1:B:75:LEU:HB3	14	0.18
(1,3913)	1:A:35:SER:HA	1:A:34:LEU:HG	11	0.18
(1,3913)	1:A:35:SER:HA	1:A:75:LEU:HB3	11	0.18
(1,3913)	1:A:35:SER:HA	1:A:34:LEU:HG	14	0.18
(1,3913)	1:A:35:SER:HA	1:A:75:LEU:HB3	14	0.18
(1,3898)	1:B:10:THR:HA	1:B:11:GLU:HB2	13	0.18
(1,3898)	1:B:10:THR:HA	1:B:11:GLU:HB3	13	0.18
(1,3898)	1:B:10:THR:HA	1:B:12:ARG:HB2	13	0.18
(1,3898)	1:B:10:THR:HA	1:B:12:ARG:HB3	13	0.18
(1,3898)	1:B:10:THR:HA	1:B:14:ILE:HB	13	0.18
(1,3898)	1:B:10:THR:HA	1:B:11:GLU:HB2	18	0.18
(1,3898)	1:B:10:THR:HA	1:B:11:GLU:HB3	18	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3898)	1:B:10:THR:HA	1:B:12:ARG:HB2	18	0.18
(1,3898)	1:B:10:THR:HA	1:B:12:ARG:HB3	18	0.18
(1,3898)	1:B:10:THR:HA	1:B:14:ILE:HB	18	0.18
(1,3897)	1:A:10:THR:HA	1:A:11:GLU:HB2	13	0.18
(1,3897)	1:A:10:THR:HA	1:A:11:GLU:HB3	13	0.18
(1,3897)	1:A:10:THR:HA	1:A:12:ARG:HB2	13	0.18
(1,3897)	1:A:10:THR:HA	1:A:12:ARG:HB3	13	0.18
(1,3897)	1:A:10:THR:HA	1:A:14:ILE:HB	13	0.18
(1,3897)	1:A:10:THR:HA	1:A:11:GLU:HB2	18	0.18
(1,3897)	1:A:10:THR:HA	1:A:11:GLU:HB3	18	0.18
(1,3897)	1:A:10:THR:HA	1:A:12:ARG:HB2	18	0.18
(1,3897)	1:A:10:THR:HA	1:A:12:ARG:HB3	18	0.18
(1,3897)	1:A:10:THR:HA	1:A:14:ILE:HB	18	0.18
(1,3884)	1:B:89:MET:HG3	1:B:83:LEU:H	12	0.18
(1,3884)	1:B:89:MET:HG3	1:A:82:ASN:H	12	0.18
(1,3884)	1:B:63:MET:HG3	1:B:65:LYS:H	12	0.18
(1,3786)	1:B:63:MET:HG3	1:B:61:ASP:H	4	0.18
(1,3786)	1:B:89:MET:HG3	1:B:87:LEU:H	4	0.18
(1,3785)	1:A:63:MET:HG3	1:A:61:ASP:H	3	0.18
(1,3785)	1:A:89:MET:HG3	1:A:87:LEU:H	3	0.18
(1,3785)	1:A:63:MET:HG3	1:A:61:ASP:H	4	0.18
(1,3785)	1:A:89:MET:HG3	1:A:87:LEU:H	4	0.18
(1,3736)	1:B:37:THR:HB	1:B:35:SER:HA	13	0.18
(1,3736)	1:B:51:THR:HB	1:B:53:ASN:HA	13	0.18
(1,3735)	1:A:37:THR:HB	1:A:35:SER:HA	13	0.18
(1,3735)	1:A:51:THR:HB	1:A:53:ASN:HA	13	0.18
(1,3701)	1:A:27:LYS:HD2	1:A:28:ASP:HB3	17	0.18
(1,3701)	1:A:27:LYS:HD3	1:A:28:ASP:HB3	17	0.18
(1,3701)	1:A:27:LYS:HD2	1:A:42:PHE:HB3	17	0.18
(1,3701)	1:A:27:LYS:HD3	1:A:42:PHE:HB3	17	0.18
(1,3701)	1:A:52:LYS:HD2	1:A:44:ASN:HB3	17	0.18
(1,3701)	1:A:52:LYS:HD3	1:A:44:ASN:HB3	17	0.18
(1,3701)	1:A:97:LYS:HD2	1:A:93:ASP:HB3	17	0.18
(1,3701)	1:A:97:LYS:HD3	1:A:93:ASP:HB3	17	0.18
(1,3680)	1:B:33:THR:HB	1:B:34:LEU:HG	6	0.18
(1,3680)	1:B:33:THR:HB	1:B:75:LEU:HB3	6	0.18
(1,3679)	1:A:33:THR:HB	1:A:34:LEU:HG	5	0.18
(1,3679)	1:A:33:THR:HB	1:A:75:LEU:HB3	5	0.18
(1,3679)	1:A:33:THR:HB	1:A:34:LEU:HG	6	0.18
(1,3679)	1:A:33:THR:HB	1:A:75:LEU:HB3	6	0.18
(1,3678)	1:B:74:GLN:HG2	1:B:33:THR:HA	18	0.18
(1,3678)	1:B:74:GLN:HG3	1:B:33:THR:HA	18	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3678)	1:B:74:GLN:HG2	1:B:34:LEU:HA	18	0.18
(1,3678)	1:B:74:GLN:HG3	1:B:34:LEU:HA	18	0.18
(1,3677)	1:A:74:GLN:HG2	1:A:33:THR:HA	18	0.18
(1,3677)	1:A:74:GLN:HG3	1:A:33:THR:HA	18	0.18
(1,3677)	1:A:74:GLN:HG2	1:A:34:LEU:HA	18	0.18
(1,3677)	1:A:74:GLN:HG3	1:A:34:LEU:HA	18	0.18
(1,3670)	1:B:69:THR:HA	1:B:70:ASN:HB2	9	0.18
(1,3670)	1:B:70:ASN:HB2	1:B:71:SER:HA	9	0.18
(1,3669)	1:A:69:THR:HA	1:A:70:ASN:HB2	9	0.18
(1,3669)	1:A:70:ASN:HB2	1:A:71:SER:HA	9	0.18
(1,3662)	1:B:10:THR:HA	1:A:81:LEU:HD22	5	0.18
(1,3662)	1:B:10:THR:HA	1:A:81:LEU:HD21	5	0.18
(1,3662)	1:B:10:THR:HA	1:A:81:LEU:HD23	5	0.18
(1,3662)	1:B:10:THR:HA	1:A:87:LEU:HD22	5	0.18
(1,3662)	1:B:10:THR:HA	1:A:87:LEU:HD21	5	0.18
(1,3662)	1:B:10:THR:HA	1:A:87:LEU:HD23	5	0.18
(1,3661)	1:A:10:THR:HA	1:B:81:LEU:HD22	5	0.18
(1,3661)	1:A:10:THR:HA	1:B:81:LEU:HD21	5	0.18
(1,3661)	1:A:10:THR:HA	1:B:81:LEU:HD23	5	0.18
(1,3661)	1:A:10:THR:HA	1:B:87:LEU:HD22	5	0.18
(1,3661)	1:A:10:THR:HA	1:B:87:LEU:HD21	5	0.18
(1,3661)	1:A:10:THR:HA	1:B:87:LEU:HD23	5	0.18
(1,3583)	1:A:77:PHE:HB2	1:A:79:GLU:H	15	0.18
(1,3583)	1:A:68:ASP:HB3	1:A:64:MET:H	15	0.18
(1,3518)	1:B:51:THR:HB	1:B:44:ASN:HB2	8	0.18
(1,3518)	1:B:37:THR:HB	1:B:27:LYS:HE2	8	0.18
(1,3518)	1:B:37:THR:HB	1:B:27:LYS:HE3	8	0.18
(1,3517)	1:A:51:THR:HB	1:A:44:ASN:HB2	8	0.18
(1,3517)	1:A:37:THR:HB	1:A:27:LYS:HE2	8	0.18
(1,3517)	1:A:37:THR:HB	1:A:27:LYS:HE3	8	0.18
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD22	9	0.18
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD21	9	0.18
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD23	9	0.18
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD22	9	0.18
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD21	9	0.18
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD23	9	0.18
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD22	7	0.18
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD21	7	0.18
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD23	7	0.18
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD22	7	0.18
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD21	7	0.18
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD23	7	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD22	9	0.18
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD21	9	0.18
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD23	9	0.18
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD22	9	0.18
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD21	9	0.18
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD23	9	0.18
(1,3474)	1:B:11:GLU:H	1:B:17:LEU:HG	8	0.18
(1,3474)	1:B:17:LEU:HG	1:B:21:PHE:H	8	0.18
(1,3474)	1:B:17:LEU:HG	1:A:11:GLU:H	8	0.18
(1,3473)	1:A:11:GLU:H	1:A:17:LEU:HG	8	0.18
(1,3473)	1:A:17:LEU:HG	1:A:21:PHE:H	8	0.18
(1,3473)	1:A:17:LEU:HG	1:B:11:GLU:H	8	0.18
(1,3468)	1:B:75:LEU:HB3	1:B:33:THR:HA	3	0.18
(1,3468)	1:B:75:LEU:HB3	1:B:34:LEU:HA	3	0.18
(1,3458)	1:B:11:GLU:HA	1:B:12:ARG:HD2	7	0.18
(1,3458)	1:B:11:GLU:HA	1:B:12:ARG:HD3	7	0.18
(1,3458)	1:B:11:GLU:HA	1:A:50:PHE:HB2	7	0.18
(1,3458)	1:B:11:GLU:HA	1:A:50:PHE:HB3	7	0.18
(1,3457)	1:A:11:GLU:HA	1:A:12:ARG:HD2	7	0.18
(1,3457)	1:A:11:GLU:HA	1:A:12:ARG:HD3	7	0.18
(1,3457)	1:A:11:GLU:HA	1:B:50:PHE:HB2	7	0.18
(1,3457)	1:A:11:GLU:HA	1:B:50:PHE:HB3	7	0.18
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD22	13	0.18
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD21	13	0.18
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD23	13	0.18
(1,3390)	1:B:17:LEU:HD22	1:A:14:ILE:HD12	6	0.18
(1,3390)	1:B:17:LEU:HD22	1:A:14:ILE:HD11	6	0.18
(1,3390)	1:B:17:LEU:HD22	1:A:14:ILE:HD13	6	0.18
(1,3390)	1:B:17:LEU:HD21	1:A:14:ILE:HD12	6	0.18
(1,3390)	1:B:17:LEU:HD21	1:A:14:ILE:HD11	6	0.18
(1,3390)	1:B:17:LEU:HD21	1:A:14:ILE:HD13	6	0.18
(1,3390)	1:B:17:LEU:HD23	1:A:14:ILE:HD12	6	0.18
(1,3390)	1:B:17:LEU:HD23	1:A:14:ILE:HD11	6	0.18
(1,3390)	1:B:17:LEU:HD23	1:A:14:ILE:HD13	6	0.18
(1,3390)	1:B:17:LEU:HD22	1:A:17:LEU:HD12	6	0.18
(1,3390)	1:B:17:LEU:HD22	1:A:17:LEU:HD11	6	0.18
(1,3390)	1:B:17:LEU:HD22	1:A:17:LEU:HD13	6	0.18
(1,3390)	1:B:17:LEU:HD21	1:A:17:LEU:HD12	6	0.18
(1,3390)	1:B:17:LEU:HD21	1:A:17:LEU:HD11	6	0.18
(1,3390)	1:B:17:LEU:HD21	1:A:17:LEU:HD13	6	0.18
(1,3390)	1:B:17:LEU:HD23	1:A:17:LEU:HD12	6	0.18
(1,3390)	1:B:17:LEU:HD23	1:A:17:LEU:HD11	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3390)	1:B:17:LEU:HD23	1:A:17:LEU:HD13	6	0.18
(1,3389)	1:A:17:LEU:HD22	1:B:14:ILE:HD12	6	0.18
(1,3389)	1:A:17:LEU:HD22	1:B:14:ILE:HD11	6	0.18
(1,3389)	1:A:17:LEU:HD22	1:B:14:ILE:HD13	6	0.18
(1,3389)	1:A:17:LEU:HD21	1:B:14:ILE:HD12	6	0.18
(1,3389)	1:A:17:LEU:HD21	1:B:14:ILE:HD11	6	0.18
(1,3389)	1:A:17:LEU:HD21	1:B:14:ILE:HD13	6	0.18
(1,3389)	1:A:17:LEU:HD23	1:B:14:ILE:HD12	6	0.18
(1,3389)	1:A:17:LEU:HD23	1:B:14:ILE:HD11	6	0.18
(1,3389)	1:A:17:LEU:HD23	1:B:14:ILE:HD13	6	0.18
(1,3389)	1:A:17:LEU:HD22	1:B:17:LEU:HD12	6	0.18
(1,3389)	1:A:17:LEU:HD22	1:B:17:LEU:HD11	6	0.18
(1,3389)	1:A:17:LEU:HD22	1:B:17:LEU:HD13	6	0.18
(1,3389)	1:A:17:LEU:HD21	1:B:17:LEU:HD12	6	0.18
(1,3389)	1:A:17:LEU:HD21	1:B:17:LEU:HD11	6	0.18
(1,3389)	1:A:17:LEU:HD21	1:B:17:LEU:HD13	6	0.18
(1,3389)	1:A:17:LEU:HD23	1:B:17:LEU:HD12	6	0.18
(1,3389)	1:A:17:LEU:HD23	1:B:17:LEU:HD11	6	0.18
(1,3389)	1:A:17:LEU:HD23	1:B:17:LEU:HD13	6	0.18
(1,3092)	1:B:75:LEU:H	1:B:75:LEU:HB3	12	0.18
(1,3092)	1:B:75:LEU:H	1:B:75:LEU:HB3	15	0.18
(1,3091)	1:A:75:LEU:H	1:A:75:LEU:HB3	12	0.18
(1,3091)	1:A:75:LEU:H	1:A:75:LEU:HB3	15	0.18
(1,3056)	1:B:94:SER:H	1:B:93:ASP:HB2	7	0.18
(1,3056)	1:B:94:SER:H	1:B:93:ASP:HB2	19	0.18
(1,3055)	1:A:94:SER:H	1:A:93:ASP:HB2	6	0.18
(1,3055)	1:A:94:SER:H	1:A:93:ASP:HB2	7	0.18
(1,3055)	1:A:94:SER:H	1:A:93:ASP:HB2	17	0.18
(1,3055)	1:A:94:SER:H	1:A:93:ASP:HB2	19	0.18
(1,304)	1:B:22:GLN:HB2	1:B:18:ILE:H	6	0.18
(1,304)	1:B:22:GLN:HB3	1:B:18:ILE:H	6	0.18
(1,303)	1:A:22:GLN:HB2	1:A:18:ILE:H	6	0.18
(1,303)	1:A:22:GLN:HB3	1:A:18:ILE:H	6	0.18
(1,3018)	1:B:78:SER:H	1:B:77:PHE:HB3	19	0.18
(1,286)	1:B:75:LEU:HB3	1:B:39:PHE:HB3	15	0.18
(1,285)	1:A:75:LEU:HB3	1:A:39:PHE:HB3	15	0.18
(1,280)	1:B:17:LEU:HB2	1:B:21:PHE:H	12	0.18
(1,279)	1:A:17:LEU:HB2	1:A:21:PHE:H	12	0.18
(1,2656)	1:B:8:THR:H	1:B:11:GLU:HA	12	0.18
(1,2655)	1:A:8:THR:H	1:A:11:GLU:HA	12	0.18
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD22	5	0.18
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD21	5	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD23	5	0.18
(1,2635)	1:A:43:MET:H	1:A:34:LEU:HD22	5	0.18
(1,2635)	1:A:43:MET:H	1:A:34:LEU:HD21	5	0.18
(1,2635)	1:A:43:MET:H	1:A:34:LEU:HD23	5	0.18
(1,2630)	1:B:69:THR:H	1:B:67:LEU:HB2	5	0.18
(1,2630)	1:B:69:THR:H	1:B:67:LEU:HB2	12	0.18
(1,2630)	1:B:69:THR:H	1:B:67:LEU:HB2	13	0.18
(1,2629)	1:A:69:THR:H	1:A:67:LEU:HB2	4	0.18
(1,2629)	1:A:69:THR:H	1:A:67:LEU:HB2	13	0.18
(1,2210)	1:B:97:LYS:HA	1:B:97:LYS:HG2	2	0.18
(1,2210)	1:B:97:LYS:HA	1:B:97:LYS:HG3	2	0.18
(1,2209)	1:A:97:LYS:HA	1:A:97:LYS:HG2	2	0.18
(1,2209)	1:A:97:LYS:HA	1:A:97:LYS:HG3	2	0.18
(1,2140)	1:B:27:LYS:HD2	1:B:27:LYS:HB3	19	0.18
(1,2140)	1:B:27:LYS:HD3	1:B:27:LYS:HB3	19	0.18
(1,1952)	1:B:66:LYS:HB2	1:B:66:LYS:HE2	13	0.18
(1,1952)	1:B:66:LYS:HB2	1:B:66:LYS:HE3	13	0.18
(1,1952)	1:B:66:LYS:HB3	1:B:66:LYS:HE2	13	0.18
(1,1952)	1:B:66:LYS:HB3	1:B:66:LYS:HE3	13	0.18
(1,1951)	1:A:66:LYS:HB2	1:A:66:LYS:HE2	13	0.18
(1,1951)	1:A:66:LYS:HB2	1:A:66:LYS:HE3	13	0.18
(1,1951)	1:A:66:LYS:HB3	1:A:66:LYS:HE2	13	0.18
(1,1951)	1:A:66:LYS:HB3	1:A:66:LYS:HE3	13	0.18
(1,1828)	1:B:57:PRO:HD2	1:B:57:PRO:HA	16	0.18
(1,1828)	1:B:57:PRO:HD3	1:B:57:PRO:HA	16	0.18
(1,1827)	1:A:57:PRO:HD2	1:A:57:PRO:HA	16	0.18
(1,1827)	1:A:57:PRO:HD3	1:A:57:PRO:HA	16	0.18
(1,1660)	1:B:102:GLN:H	1:B:100:PRO:HA	5	0.18
(1,1659)	1:A:102:GLN:H	1:A:100:PRO:HA	5	0.18
(1,148)	1:B:18:ILE:HG22	1:A:92:HIS:H	6	0.18
(1,148)	1:B:18:ILE:HG21	1:A:92:HIS:H	6	0.18
(1,148)	1:B:18:ILE:HG23	1:A:92:HIS:H	6	0.18
(1,1328)	1:B:34:LEU:HB2	1:B:39:PHE:HB3	14	0.18
(1,1327)	1:A:34:LEU:HB2	1:A:39:PHE:HB3	15	0.18
(1,1222)	1:B:89:MET:HG2	1:B:88:ALA:HB2	15	0.18
(1,1222)	1:B:89:MET:HG2	1:B:88:ALA:HB1	15	0.18
(1,1222)	1:B:89:MET:HG2	1:B:88:ALA:HB3	15	0.18
(1,1063)	1:A:18:ILE:HA	1:A:21:PHE:HB3	15	0.18
(3,87)	1:B:46:GLU:N	1:B:42:PHE:O	1	0.17
(3,87)	1:B:46:GLU:N	1:B:42:PHE:O	3	0.17
(3,87)	1:B:46:GLU:N	1:B:42:PHE:O	10	0.17
(3,87)	1:B:46:GLU:N	1:B:42:PHE:O	16	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,29)	1:A:46:GLU:N	1:A:42:PHE:O	1	0.17
(3,29)	1:A:46:GLU:N	1:A:42:PHE:O	10	0.17
(3,29)	1:A:46:GLU:N	1:A:42:PHE:O	14	0.17
(3,29)	1:A:46:GLU:N	1:A:42:PHE:O	16	0.17
(2,92)	1:B:44:ASN:HB3	1:B:47:LEU:H	8	0.17
(2,91)	1:A:44:ASN:HB3	1:A:47:LEU:H	8	0.17
(2,78)	1:B:61:ASP:HA	1:B:59:VAL:HA	6	0.17
(2,78)	1:B:61:ASP:HA	1:B:59:VAL:HA	9	0.17
(2,78)	1:B:61:ASP:HA	1:B:59:VAL:HA	12	0.17
(2,77)	1:A:61:ASP:HA	1:A:59:VAL:HA	6	0.17
(2,77)	1:A:61:ASP:HA	1:A:59:VAL:HA	9	0.17
(2,77)	1:A:61:ASP:HA	1:A:59:VAL:HA	12	0.17
(2,58)	1:B:8:THR:HB	1:A:45:THR:HB	19	0.17
(2,124)	1:B:44:ASN:HB2	1:B:48:ALA:H	13	0.17
(2,123)	1:A:44:ASN:HB2	1:A:48:ALA:H	13	0.17
(2,123)	1:A:44:ASN:HB2	1:A:48:ALA:H	17	0.17
(2,122)	1:B:76:ASP:HB3	1:B:68:ASP:HA	3	0.17
(2,121)	1:A:76:ASP:HB3	1:A:68:ASP:HA	3	0.17
(1,988)	1:B:87:LEU:HB2	1:B:86:GLY:H	5	0.17
(1,987)	1:A:87:LEU:HB2	1:A:86:GLY:H	20	0.17
(1,986)	1:B:61:ASP:H	1:B:58:GLY:HA3	3	0.17
(1,985)	1:A:61:ASP:H	1:A:58:GLY:HA3	3	0.17
(1,828)	1:B:40:LEU:HA	1:B:39:PHE:HB2	12	0.17
(1,827)	1:A:40:LEU:HA	1:A:39:PHE:HB2	12	0.17
(1,716)	1:B:76:ASP:HA	1:B:77:PHE:HB2	14	0.17
(1,715)	1:A:76:ASP:HA	1:A:77:PHE:HB2	14	0.17
(1,673)	1:A:13:CYS:HB2	1:A:14:ILE:HG12	18	0.17
(1,673)	1:A:13:CYS:HB2	1:A:14:ILE:HG13	18	0.17
(1,628)	1:B:89:MET:HG2	1:A:81:LEU:HG	15	0.17
(1,627)	1:A:89:MET:HG2	1:B:81:LEU:HG	15	0.17
(1,622)	1:B:63:MET:H	1:B:62:ARG:HG2	8	0.17
(1,622)	1:B:63:MET:H	1:B:62:ARG:HG2	17	0.17
(1,621)	1:A:63:MET:H	1:A:62:ARG:HG2	8	0.17
(1,609)	1:A:63:MET:H	1:A:62:ARG:HG2	9	0.17
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD22	16	0.17
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD21	16	0.17
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD23	16	0.17
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD12	16	0.17
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD11	16	0.17
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD13	16	0.17
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD22	16	0.17
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD21	16	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD23	16	0.17
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD12	16	0.17
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD11	16	0.17
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD13	16	0.17
(1,5622)	1:B:47:LEU:H	1:B:45:THR:HG21	15	0.17
(1,5622)	1:B:47:LEU:H	1:B:45:THR:HG22	15	0.17
(1,5622)	1:B:47:LEU:H	1:B:45:THR:HG23	15	0.17
(1,5622)	1:B:47:LEU:H	1:B:48:ALA:HB2	15	0.17
(1,5622)	1:B:47:LEU:H	1:B:48:ALA:HB1	15	0.17
(1,5622)	1:B:47:LEU:H	1:B:48:ALA:HB3	15	0.17
(1,5621)	1:A:47:LEU:H	1:A:45:THR:HG21	15	0.17
(1,5621)	1:A:47:LEU:H	1:A:45:THR:HG22	15	0.17
(1,5621)	1:A:47:LEU:H	1:A:45:THR:HG23	15	0.17
(1,5621)	1:A:47:LEU:H	1:A:48:ALA:HB2	15	0.17
(1,5621)	1:A:47:LEU:H	1:A:48:ALA:HB1	15	0.17
(1,5621)	1:A:47:LEU:H	1:A:48:ALA:HB3	15	0.17
(1,5530)	1:B:36:LYS:H	1:B:40:LEU:HD22	7	0.17
(1,5530)	1:B:36:LYS:H	1:B:40:LEU:HD21	7	0.17
(1,5530)	1:B:36:LYS:H	1:B:40:LEU:HD23	7	0.17
(1,5530)	1:B:39:PHE:H	1:B:40:LEU:HD22	7	0.17
(1,5530)	1:B:39:PHE:H	1:B:40:LEU:HD21	7	0.17
(1,5530)	1:B:39:PHE:H	1:B:40:LEU:HD23	7	0.17
(1,5530)	1:B:36:LYS:H	1:B:40:LEU:HD22	17	0.17
(1,5530)	1:B:36:LYS:H	1:B:40:LEU:HD21	17	0.17
(1,5530)	1:B:36:LYS:H	1:B:40:LEU:HD23	17	0.17
(1,5530)	1:B:39:PHE:H	1:B:40:LEU:HD22	17	0.17
(1,5530)	1:B:39:PHE:H	1:B:40:LEU:HD21	17	0.17
(1,5530)	1:B:39:PHE:H	1:B:40:LEU:HD23	17	0.17
(1,5529)	1:A:36:LYS:H	1:A:40:LEU:HD22	7	0.17
(1,5529)	1:A:36:LYS:H	1:A:40:LEU:HD21	7	0.17
(1,5529)	1:A:36:LYS:H	1:A:40:LEU:HD23	7	0.17
(1,5529)	1:A:39:PHE:H	1:A:40:LEU:HD22	7	0.17
(1,5529)	1:A:39:PHE:H	1:A:40:LEU:HD21	7	0.17
(1,5529)	1:A:39:PHE:H	1:A:40:LEU:HD23	7	0.17
(1,5529)	1:A:36:LYS:H	1:A:40:LEU:HD22	17	0.17
(1,5529)	1:A:36:LYS:H	1:A:40:LEU:HD21	17	0.17
(1,5529)	1:A:36:LYS:H	1:A:40:LEU:HD23	17	0.17
(1,5529)	1:A:39:PHE:H	1:A:40:LEU:HD22	17	0.17
(1,5529)	1:A:39:PHE:H	1:A:40:LEU:HD21	17	0.17
(1,5529)	1:A:39:PHE:H	1:A:40:LEU:HD23	17	0.17
(1,5496)	1:B:59:VAL:H	1:B:61:ASP:HB2	6	0.17
(1,5496)	1:B:59:VAL:H	1:B:61:ASP:HB3	6	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5496)	1:B:90:ALA:H	1:B:89:MET:HG2	6	0.17
(1,5496)	1:B:90:ALA:H	1:B:93:ASP:HB2	6	0.17
(1,5495)	1:A:59:VAL:H	1:A:61:ASP:HB2	6	0.17
(1,5495)	1:A:59:VAL:H	1:A:61:ASP:HB3	6	0.17
(1,5495)	1:A:90:ALA:H	1:A:89:MET:HG2	6	0.17
(1,5495)	1:A:90:ALA:H	1:A:93:ASP:HB2	6	0.17
(1,5479)	1:A:86:GLY:H	1:A:67:LEU:HD22	18	0.17
(1,5479)	1:A:86:GLY:H	1:A:67:LEU:HD21	18	0.17
(1,5479)	1:A:86:GLY:H	1:A:67:LEU:HD23	18	0.17
(1,5479)	1:A:86:GLY:H	1:A:67:LEU:HD12	18	0.17
(1,5479)	1:A:86:GLY:H	1:A:67:LEU:HD11	18	0.17
(1,5479)	1:A:86:GLY:H	1:A:67:LEU:HD13	18	0.17
(1,5479)	1:A:86:GLY:H	1:A:83:LEU:HD22	18	0.17
(1,5479)	1:A:86:GLY:H	1:A:83:LEU:HD21	18	0.17
(1,5479)	1:A:86:GLY:H	1:A:83:LEU:HD23	18	0.17
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG22	14	0.17
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG21	14	0.17
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG23	14	0.17
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD12	14	0.17
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD11	14	0.17
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD13	14	0.17
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD22	14	0.17
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD21	14	0.17
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD23	14	0.17
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG22	15	0.17
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG21	15	0.17
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG23	15	0.17
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD12	15	0.17
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD11	15	0.17
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD13	15	0.17
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD22	15	0.17
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD21	15	0.17
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD23	15	0.17
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG22	16	0.17
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG21	16	0.17
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG23	16	0.17
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD12	16	0.17
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD11	16	0.17
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD13	16	0.17
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD22	16	0.17
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD21	16	0.17
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD23	16	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG22	19	0.17
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG21	19	0.17
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG23	19	0.17
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD12	19	0.17
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD11	19	0.17
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD13	19	0.17
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD22	19	0.17
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD21	19	0.17
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD23	19	0.17
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG22	8	0.17
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG21	8	0.17
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG23	8	0.17
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD12	8	0.17
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD11	8	0.17
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD13	8	0.17
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD22	8	0.17
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD21	8	0.17
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD23	8	0.17
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG22	14	0.17
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG21	14	0.17
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG23	14	0.17
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD12	14	0.17
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD11	14	0.17
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD13	14	0.17
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD22	14	0.17
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD21	14	0.17
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD23	14	0.17
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG22	17	0.17
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG21	17	0.17
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG23	17	0.17
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD12	17	0.17
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD11	17	0.17
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD13	17	0.17
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD22	17	0.17
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD21	17	0.17
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD23	17	0.17
(1,540)	1:B:16:SER:HA	1:B:15:GLU:H	8	0.17
(1,540)	1:B:16:SER:HA	1:B:15:GLU:H	10	0.17
(1,539)	1:A:16:SER:HA	1:A:15:GLU:H	8	0.17
(1,539)	1:A:16:SER:HA	1:A:15:GLU:H	10	0.17
(1,5352)	1:B:41:SER:H	1:B:39:PHE:HB3	14	0.17
(1,5352)	1:B:41:SER:H	1:B:42:PHE:HB2	14	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5327)	1:A:99:VAL:H	1:A:96:LEU:HD22	13	0.17
(1,5327)	1:A:99:VAL:H	1:A:96:LEU:HD21	13	0.17
(1,5327)	1:A:99:VAL:H	1:A:96:LEU:HD23	13	0.17
(1,5327)	1:A:99:VAL:H	1:A:96:LEU:HD12	13	0.17
(1,5327)	1:A:99:VAL:H	1:A:96:LEU:HD11	13	0.17
(1,5327)	1:A:99:VAL:H	1:A:96:LEU:HD13	13	0.17
(1,5292)	1:B:94:SER:H	1:B:96:LEU:HB3	1	0.17
(1,5292)	1:B:94:SER:H	1:B:96:LEU:HG	1	0.17
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB2	1	0.17
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB1	1	0.17
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB3	1	0.17
(1,5292)	1:B:94:SER:H	1:B:96:LEU:HB3	12	0.17
(1,5292)	1:B:94:SER:H	1:B:96:LEU:HG	12	0.17
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB2	12	0.17
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB1	12	0.17
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB3	12	0.17
(1,5292)	1:B:94:SER:H	1:B:96:LEU:HB3	15	0.17
(1,5292)	1:B:94:SER:H	1:B:96:LEU:HG	15	0.17
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB2	15	0.17
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB1	15	0.17
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB3	15	0.17
(1,5292)	1:B:94:SER:H	1:B:96:LEU:HB3	16	0.17
(1,5292)	1:B:94:SER:H	1:B:96:LEU:HG	16	0.17
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB2	16	0.17
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB1	16	0.17
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB3	16	0.17
(1,5292)	1:B:94:SER:H	1:B:96:LEU:HB3	20	0.17
(1,5292)	1:B:94:SER:H	1:B:96:LEU:HG	20	0.17
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB2	20	0.17
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB1	20	0.17
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB3	20	0.17
(1,5291)	1:A:94:SER:H	1:A:96:LEU:HB3	1	0.17
(1,5291)	1:A:94:SER:H	1:A:96:LEU:HG	1	0.17
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB2	1	0.17
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB1	1	0.17
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB3	1	0.17
(1,5291)	1:A:94:SER:H	1:A:96:LEU:HB3	8	0.17
(1,5291)	1:A:94:SER:H	1:A:96:LEU:HG	8	0.17
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB2	8	0.17
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB1	8	0.17
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB3	8	0.17
(1,5291)	1:A:94:SER:H	1:A:96:LEU:HB3	15	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5291)	1:A:94:SER:H	1:A:96:LEU:HG	15	0.17
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB2	15	0.17
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB1	15	0.17
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB3	15	0.17
(1,5291)	1:A:94:SER:H	1:A:96:LEU:HB3	16	0.17
(1,5291)	1:A:94:SER:H	1:A:96:LEU:HG	16	0.17
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB2	16	0.17
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB1	16	0.17
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB3	16	0.17
(1,5291)	1:A:94:SER:H	1:A:96:LEU:HB3	20	0.17
(1,5291)	1:A:94:SER:H	1:A:96:LEU:HG	20	0.17
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB2	20	0.17
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB1	20	0.17
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB3	20	0.17
(1,5216)	1:B:34:LEU:H	1:B:21:PHE:HB3	9	0.17
(1,5216)	1:B:34:LEU:H	1:B:22:GLN:HG2	9	0.17
(1,5216)	1:B:34:LEU:H	1:B:22:GLN:HG3	9	0.17
(1,5216)	1:B:34:LEU:H	1:B:64:MET:HG2	9	0.17
(1,5216)	1:B:34:LEU:H	1:B:64:MET:HG3	9	0.17
(1,5216)	1:B:34:LEU:H	1:B:77:PHE:HB2	9	0.17
(1,5216)	1:B:34:LEU:H	1:B:21:PHE:HB3	12	0.17
(1,5216)	1:B:34:LEU:H	1:B:22:GLN:HG2	12	0.17
(1,5216)	1:B:34:LEU:H	1:B:22:GLN:HG3	12	0.17
(1,5216)	1:B:34:LEU:H	1:B:64:MET:HG2	12	0.17
(1,5216)	1:B:34:LEU:H	1:B:64:MET:HG3	12	0.17
(1,5216)	1:B:34:LEU:H	1:B:77:PHE:HB2	12	0.17
(1,5215)	1:A:34:LEU:H	1:A:21:PHE:HB3	9	0.17
(1,5215)	1:A:34:LEU:H	1:A:22:GLN:HG2	9	0.17
(1,5215)	1:A:34:LEU:H	1:A:22:GLN:HG3	9	0.17
(1,5215)	1:A:34:LEU:H	1:A:64:MET:HG2	9	0.17
(1,5215)	1:A:34:LEU:H	1:A:64:MET:HG3	9	0.17
(1,5215)	1:A:34:LEU:H	1:A:77:PHE:HB2	9	0.17
(1,5215)	1:A:34:LEU:H	1:A:21:PHE:HB3	12	0.17
(1,5215)	1:A:34:LEU:H	1:A:22:GLN:HG2	12	0.17
(1,5215)	1:A:34:LEU:H	1:A:22:GLN:HG3	12	0.17
(1,5215)	1:A:34:LEU:H	1:A:64:MET:HG2	12	0.17
(1,5215)	1:A:34:LEU:H	1:A:64:MET:HG3	12	0.17
(1,5215)	1:A:34:LEU:H	1:A:77:PHE:HB2	12	0.17
(1,5195)	1:A:73:GLY:H	1:A:75:LEU:HB3	8	0.17
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG21	8	0.17
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG22	8	0.17
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG23	8	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5062)	1:B:52:LYS:HG2	1:B:52:LYS:HA	3	0.17
(1,5062)	1:B:52:LYS:HG3	1:B:52:LYS:HA	3	0.17
(1,5062)	1:B:66:LYS:HG2	1:B:66:LYS:HA	3	0.17
(1,5062)	1:B:66:LYS:HG3	1:B:66:LYS:HA	3	0.17
(1,5058)	1:B:37:THR:HG21	1:B:33:THR:HG21	14	0.17
(1,5058)	1:B:37:THR:HG21	1:B:33:THR:HG22	14	0.17
(1,5058)	1:B:37:THR:HG21	1:B:33:THR:HG23	14	0.17
(1,5058)	1:B:37:THR:HG22	1:B:33:THR:HG21	14	0.17
(1,5058)	1:B:37:THR:HG22	1:B:33:THR:HG22	14	0.17
(1,5058)	1:B:37:THR:HG22	1:B:33:THR:HG23	14	0.17
(1,5058)	1:B:37:THR:HG23	1:B:33:THR:HG21	14	0.17
(1,5058)	1:B:37:THR:HG23	1:B:33:THR:HG22	14	0.17
(1,5058)	1:B:37:THR:HG23	1:B:33:THR:HG23	14	0.17
(1,5058)	1:B:45:THR:HG21	1:B:23:LYS:HG2	14	0.17
(1,5058)	1:B:45:THR:HG22	1:B:23:LYS:HG2	14	0.17
(1,5058)	1:B:45:THR:HG23	1:B:23:LYS:HG2	14	0.17
(1,5058)	1:B:45:THR:HG21	1:B:47:LEU:HG	14	0.17
(1,5058)	1:B:45:THR:HG22	1:B:47:LEU:HG	14	0.17
(1,5058)	1:B:45:THR:HG23	1:B:47:LEU:HG	14	0.17
(1,5058)	1:B:45:THR:HG21	1:A:10:THR:HG21	14	0.17
(1,5058)	1:B:45:THR:HG21	1:A:10:THR:HG22	14	0.17
(1,5058)	1:B:45:THR:HG21	1:A:10:THR:HG23	14	0.17
(1,5058)	1:B:45:THR:HG22	1:A:10:THR:HG21	14	0.17
(1,5058)	1:B:45:THR:HG22	1:A:10:THR:HG22	14	0.17
(1,5058)	1:B:45:THR:HG22	1:A:10:THR:HG23	14	0.17
(1,5058)	1:B:45:THR:HG23	1:A:10:THR:HG21	14	0.17
(1,5058)	1:B:45:THR:HG23	1:A:10:THR:HG22	14	0.17
(1,5058)	1:B:45:THR:HG23	1:A:10:THR:HG23	14	0.17
(1,5057)	1:A:37:THR:HG21	1:A:33:THR:HG21	4	0.17
(1,5057)	1:A:37:THR:HG21	1:A:33:THR:HG22	4	0.17
(1,5057)	1:A:37:THR:HG21	1:A:33:THR:HG23	4	0.17
(1,5057)	1:A:37:THR:HG22	1:A:33:THR:HG21	4	0.17
(1,5057)	1:A:37:THR:HG22	1:A:33:THR:HG22	4	0.17
(1,5057)	1:A:37:THR:HG22	1:A:33:THR:HG23	4	0.17
(1,5057)	1:A:37:THR:HG23	1:A:33:THR:HG21	4	0.17
(1,5057)	1:A:37:THR:HG23	1:A:33:THR:HG22	4	0.17
(1,5057)	1:A:37:THR:HG23	1:A:33:THR:HG23	4	0.17
(1,5057)	1:A:45:THR:HG21	1:A:23:LYS:HG2	4	0.17
(1,5057)	1:A:45:THR:HG22	1:A:23:LYS:HG2	4	0.17
(1,5057)	1:A:45:THR:HG23	1:A:23:LYS:HG2	4	0.17
(1,5057)	1:A:45:THR:HG21	1:A:47:LEU:HG	4	0.17
(1,5057)	1:A:45:THR:HG22	1:A:47:LEU:HG	4	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5057)	1:A:45:THR:HG23	1:A:47:LEU:HG	4	0.17
(1,5057)	1:A:45:THR:HG21	1:B:10:THR:HG21	4	0.17
(1,5057)	1:A:45:THR:HG21	1:B:10:THR:HG22	4	0.17
(1,5057)	1:A:45:THR:HG21	1:B:10:THR:HG23	4	0.17
(1,5057)	1:A:45:THR:HG22	1:B:10:THR:HG21	4	0.17
(1,5057)	1:A:45:THR:HG22	1:B:10:THR:HG22	4	0.17
(1,5057)	1:A:45:THR:HG22	1:B:10:THR:HG23	4	0.17
(1,5057)	1:A:45:THR:HG23	1:B:10:THR:HG21	4	0.17
(1,5057)	1:A:45:THR:HG23	1:B:10:THR:HG22	4	0.17
(1,5057)	1:A:45:THR:HG23	1:B:10:THR:HG23	4	0.17
(1,5057)	1:A:37:THR:HG21	1:A:33:THR:HG21	14	0.17
(1,5057)	1:A:37:THR:HG21	1:A:33:THR:HG22	14	0.17
(1,5057)	1:A:37:THR:HG21	1:A:33:THR:HG23	14	0.17
(1,5057)	1:A:37:THR:HG22	1:A:33:THR:HG21	14	0.17
(1,5057)	1:A:37:THR:HG22	1:A:33:THR:HG22	14	0.17
(1,5057)	1:A:37:THR:HG22	1:A:33:THR:HG23	14	0.17
(1,5057)	1:A:37:THR:HG23	1:A:33:THR:HG21	14	0.17
(1,5057)	1:A:37:THR:HG23	1:A:33:THR:HG22	14	0.17
(1,5057)	1:A:37:THR:HG23	1:A:33:THR:HG23	14	0.17
(1,5057)	1:A:45:THR:HG21	1:A:23:LYS:HG2	14	0.17
(1,5057)	1:A:45:THR:HG22	1:A:23:LYS:HG2	14	0.17
(1,5057)	1:A:45:THR:HG23	1:A:23:LYS:HG2	14	0.17
(1,5057)	1:A:45:THR:HG21	1:A:47:LEU:HG	14	0.17
(1,5057)	1:A:45:THR:HG22	1:A:47:LEU:HG	14	0.17
(1,5057)	1:A:45:THR:HG23	1:A:47:LEU:HG	14	0.17
(1,5057)	1:A:45:THR:HG21	1:B:10:THR:HG21	14	0.17
(1,5057)	1:A:45:THR:HG21	1:B:10:THR:HG22	14	0.17
(1,5057)	1:A:45:THR:HG21	1:B:10:THR:HG23	14	0.17
(1,5057)	1:A:45:THR:HG22	1:B:10:THR:HG21	14	0.17
(1,5057)	1:A:45:THR:HG22	1:B:10:THR:HG22	14	0.17
(1,5057)	1:A:45:THR:HG22	1:B:10:THR:HG23	14	0.17
(1,5057)	1:A:45:THR:HG23	1:B:10:THR:HG21	14	0.17
(1,5057)	1:A:45:THR:HG23	1:B:10:THR:HG22	14	0.17
(1,5057)	1:A:45:THR:HG23	1:B:10:THR:HG23	14	0.17
(1,4974)	1:B:83:LEU:HD22	1:B:80:PHE:HA	15	0.17
(1,4974)	1:B:83:LEU:HD21	1:B:80:PHE:HA	15	0.17
(1,4974)	1:B:83:LEU:HD23	1:B:80:PHE:HA	15	0.17
(1,4974)	1:B:83:LEU:HA	1:B:83:LEU:HD22	15	0.17
(1,4974)	1:B:83:LEU:HA	1:B:83:LEU:HD21	15	0.17
(1,4974)	1:B:83:LEU:HA	1:B:83:LEU:HD23	15	0.17
(1,4974)	1:B:37:THR:HA	1:B:40:LEU:HD22	15	0.17
(1,4974)	1:B:37:THR:HA	1:B:40:LEU:HD21	15	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4974)	1:B:37:THR:HA	1:B:40:LEU:HD23	15	0.17
(1,4882)	1:B:37:THR:HG21	1:B:40:LEU:HB2	20	0.17
(1,4882)	1:B:37:THR:HG22	1:B:40:LEU:HB2	20	0.17
(1,4882)	1:B:37:THR:HG23	1:B:40:LEU:HB2	20	0.17
(1,4882)	1:B:37:THR:HG21	1:B:40:LEU:HG	20	0.17
(1,4882)	1:B:37:THR:HG22	1:B:40:LEU:HG	20	0.17
(1,4882)	1:B:37:THR:HG23	1:B:40:LEU:HG	20	0.17
(1,4881)	1:A:37:THR:HG21	1:A:40:LEU:HB2	12	0.17
(1,4881)	1:A:37:THR:HG22	1:A:40:LEU:HB2	12	0.17
(1,4881)	1:A:37:THR:HG23	1:A:40:LEU:HB2	12	0.17
(1,4881)	1:A:37:THR:HG21	1:A:40:LEU:HG	12	0.17
(1,4881)	1:A:37:THR:HG22	1:A:40:LEU:HG	12	0.17
(1,4881)	1:A:37:THR:HG23	1:A:40:LEU:HG	12	0.17
(1,4881)	1:A:37:THR:HG21	1:A:40:LEU:HB2	20	0.17
(1,4881)	1:A:37:THR:HG22	1:A:40:LEU:HB2	20	0.17
(1,4881)	1:A:37:THR:HG23	1:A:40:LEU:HB2	20	0.17
(1,4881)	1:A:37:THR:HG21	1:A:40:LEU:HG	20	0.17
(1,4881)	1:A:37:THR:HG22	1:A:40:LEU:HG	20	0.17
(1,4881)	1:A:37:THR:HG23	1:A:40:LEU:HG	20	0.17
(1,4856)	1:B:34:LEU:HD22	1:B:24:TYR:HA	6	0.17
(1,4856)	1:B:34:LEU:HD21	1:B:24:TYR:HA	6	0.17
(1,4856)	1:B:34:LEU:HD23	1:B:24:TYR:HA	6	0.17
(1,4856)	1:B:25:ALA:HA	1:B:34:LEU:HD22	6	0.17
(1,4856)	1:B:25:ALA:HA	1:B:34:LEU:HD21	6	0.17
(1,4856)	1:B:25:ALA:HA	1:B:34:LEU:HD23	6	0.17
(1,4855)	1:A:34:LEU:HD22	1:A:24:TYR:HA	6	0.17
(1,4855)	1:A:34:LEU:HD21	1:A:24:TYR:HA	6	0.17
(1,4855)	1:A:34:LEU:HD23	1:A:24:TYR:HA	6	0.17
(1,4855)	1:A:25:ALA:HA	1:A:34:LEU:HD22	6	0.17
(1,4855)	1:A:25:ALA:HA	1:A:34:LEU:HD21	6	0.17
(1,4855)	1:A:25:ALA:HA	1:A:34:LEU:HD23	6	0.17
(1,4825)	1:A:19:ALA:HB2	1:A:15:GLU:HB2	4	0.17
(1,4825)	1:A:19:ALA:HB2	1:A:15:GLU:HB3	4	0.17
(1,4825)	1:A:19:ALA:HB1	1:A:15:GLU:HB2	4	0.17
(1,4825)	1:A:19:ALA:HB1	1:A:15:GLU:HB3	4	0.17
(1,4825)	1:A:19:ALA:HB3	1:A:15:GLU:HB2	4	0.17
(1,4825)	1:A:19:ALA:HB3	1:A:15:GLU:HB3	4	0.17
(1,4825)	1:A:19:ALA:HB2	1:B:9:GLU:HB2	4	0.17
(1,4825)	1:A:19:ALA:HB2	1:B:9:GLU:HB3	4	0.17
(1,4825)	1:A:19:ALA:HB1	1:B:9:GLU:HB2	4	0.17
(1,4825)	1:A:19:ALA:HB1	1:B:9:GLU:HB3	4	0.17
(1,4825)	1:A:19:ALA:HB3	1:B:9:GLU:HB2	4	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4825)	1:A:19:ALA:HB3	1:B:9:GLU:HB3	4	0.17
(1,4825)	1:A:88:ALA:HB2	1:A:89:MET:HB2	4	0.17
(1,4825)	1:A:88:ALA:HB2	1:A:89:MET:HB3	4	0.17
(1,4825)	1:A:88:ALA:HB1	1:A:89:MET:HB2	4	0.17
(1,4825)	1:A:88:ALA:HB1	1:A:89:MET:HB3	4	0.17
(1,4825)	1:A:88:ALA:HB3	1:A:89:MET:HB2	4	0.17
(1,4825)	1:A:88:ALA:HB3	1:A:89:MET:HB3	4	0.17
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB2	4	0.17
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB1	4	0.17
(1,4825)	1:A:89:MET:HB2	1:A:90:ALA:HB3	4	0.17
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB2	4	0.17
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB1	4	0.17
(1,4825)	1:A:89:MET:HB3	1:A:90:ALA:HB3	4	0.17
(1,482)	1:B:8:THR:HA	1:B:10:THR:HG21	4	0.17
(1,482)	1:B:8:THR:HA	1:B:10:THR:HG22	4	0.17
(1,482)	1:B:8:THR:HA	1:B:10:THR:HG23	4	0.17
(1,481)	1:A:8:THR:HA	1:A:10:THR:HG21	4	0.17
(1,481)	1:A:8:THR:HA	1:A:10:THR:HG22	4	0.17
(1,481)	1:A:8:THR:HA	1:A:10:THR:HG23	4	0.17
(1,4779)	1:A:10:THR:HB	1:A:14:ILE:HD12	9	0.17
(1,4779)	1:A:10:THR:HB	1:A:14:ILE:HD11	9	0.17
(1,4779)	1:A:10:THR:HB	1:A:14:ILE:HD13	9	0.17
(1,4779)	1:A:14:ILE:HD12	1:B:88:ALA:HA	9	0.17
(1,4779)	1:A:14:ILE:HD11	1:B:88:ALA:HA	9	0.17
(1,4779)	1:A:14:ILE:HD13	1:B:88:ALA:HA	9	0.17
(1,4688)	1:B:17:LEU:HD22	1:B:21:PHE:H	7	0.17
(1,4688)	1:B:17:LEU:HD21	1:B:21:PHE:H	7	0.17
(1,4688)	1:B:17:LEU:HD23	1:B:21:PHE:H	7	0.17
(1,4688)	1:B:38:GLU:H	1:B:40:LEU:HD22	7	0.17
(1,4688)	1:B:38:GLU:H	1:B:40:LEU:HD21	7	0.17
(1,4688)	1:B:38:GLU:H	1:B:40:LEU:HD23	7	0.17
(1,4688)	1:B:41:SER:H	1:B:40:LEU:HD22	7	0.17
(1,4688)	1:B:41:SER:H	1:B:40:LEU:HD21	7	0.17
(1,4688)	1:B:41:SER:H	1:B:40:LEU:HD23	7	0.17
(1,4688)	1:B:61:ASP:H	1:B:40:LEU:HD22	7	0.17
(1,4688)	1:B:61:ASP:H	1:B:40:LEU:HD21	7	0.17
(1,4688)	1:B:61:ASP:H	1:B:40:LEU:HD23	7	0.17
(1,4688)	1:B:61:ASP:H	1:B:60:LEU:HD22	7	0.17
(1,4688)	1:B:61:ASP:H	1:B:60:LEU:HD21	7	0.17
(1,4688)	1:B:61:ASP:H	1:B:60:LEU:HD23	7	0.17
(1,4688)	1:B:17:LEU:HD22	1:B:21:PHE:H	19	0.17
(1,4688)	1:B:17:LEU:HD21	1:B:21:PHE:H	19	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4688)	1:B:17:LEU:HD23	1:B:21:PHE:H	19	0.17
(1,4688)	1:B:38:GLU:H	1:B:40:LEU:HD22	19	0.17
(1,4688)	1:B:38:GLU:H	1:B:40:LEU:HD21	19	0.17
(1,4688)	1:B:38:GLU:H	1:B:40:LEU:HD23	19	0.17
(1,4688)	1:B:41:SER:H	1:B:40:LEU:HD22	19	0.17
(1,4688)	1:B:41:SER:H	1:B:40:LEU:HD21	19	0.17
(1,4688)	1:B:41:SER:H	1:B:40:LEU:HD23	19	0.17
(1,4688)	1:B:61:ASP:H	1:B:40:LEU:HD22	19	0.17
(1,4688)	1:B:61:ASP:H	1:B:40:LEU:HD21	19	0.17
(1,4688)	1:B:61:ASP:H	1:B:40:LEU:HD23	19	0.17
(1,4688)	1:B:61:ASP:H	1:B:60:LEU:HD22	19	0.17
(1,4688)	1:B:61:ASP:H	1:B:60:LEU:HD21	19	0.17
(1,4688)	1:B:61:ASP:H	1:B:60:LEU:HD23	19	0.17
(1,4687)	1:A:17:LEU:HD22	1:A:21:PHE:H	7	0.17
(1,4687)	1:A:17:LEU:HD21	1:A:21:PHE:H	7	0.17
(1,4687)	1:A:17:LEU:HD23	1:A:21:PHE:H	7	0.17
(1,4687)	1:A:38:GLU:H	1:A:40:LEU:HD22	7	0.17
(1,4687)	1:A:38:GLU:H	1:A:40:LEU:HD21	7	0.17
(1,4687)	1:A:38:GLU:H	1:A:40:LEU:HD23	7	0.17
(1,4687)	1:A:41:SER:H	1:A:40:LEU:HD22	7	0.17
(1,4687)	1:A:41:SER:H	1:A:40:LEU:HD21	7	0.17
(1,4687)	1:A:41:SER:H	1:A:40:LEU:HD23	7	0.17
(1,4687)	1:A:61:ASP:H	1:A:40:LEU:HD22	7	0.17
(1,4687)	1:A:61:ASP:H	1:A:40:LEU:HD21	7	0.17
(1,4687)	1:A:61:ASP:H	1:A:40:LEU:HD23	7	0.17
(1,4687)	1:A:61:ASP:H	1:A:60:LEU:HD22	7	0.17
(1,4687)	1:A:61:ASP:H	1:A:60:LEU:HD21	7	0.17
(1,4687)	1:A:61:ASP:H	1:A:60:LEU:HD23	7	0.17
(1,4687)	1:A:17:LEU:HD22	1:A:21:PHE:H	19	0.17
(1,4687)	1:A:17:LEU:HD21	1:A:21:PHE:H	19	0.17
(1,4687)	1:A:17:LEU:HD23	1:A:21:PHE:H	19	0.17
(1,4687)	1:A:38:GLU:H	1:A:40:LEU:HD22	19	0.17
(1,4687)	1:A:38:GLU:H	1:A:40:LEU:HD21	19	0.17
(1,4687)	1:A:38:GLU:H	1:A:40:LEU:HD23	19	0.17
(1,4687)	1:A:41:SER:H	1:A:40:LEU:HD22	19	0.17
(1,4687)	1:A:41:SER:H	1:A:40:LEU:HD21	19	0.17
(1,4687)	1:A:41:SER:H	1:A:40:LEU:HD23	19	0.17
(1,4687)	1:A:61:ASP:H	1:A:40:LEU:HD22	19	0.17
(1,4687)	1:A:61:ASP:H	1:A:40:LEU:HD21	19	0.17
(1,4687)	1:A:61:ASP:H	1:A:40:LEU:HD23	19	0.17
(1,4687)	1:A:61:ASP:H	1:A:60:LEU:HD22	19	0.17
(1,4687)	1:A:61:ASP:H	1:A:60:LEU:HD21	19	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4687)	1:A:61:ASP:H	1:A:60:LEU:HD23	19	0.17
(1,4652)	1:B:37:THR:HG21	1:B:41:SER:H	9	0.17
(1,4652)	1:B:37:THR:HG22	1:B:41:SER:H	9	0.17
(1,4652)	1:B:37:THR:HG23	1:B:41:SER:H	9	0.17
(1,4652)	1:B:71:SER:H	1:B:69:THR:HG21	9	0.17
(1,4652)	1:B:71:SER:H	1:B:69:THR:HG22	9	0.17
(1,4652)	1:B:71:SER:H	1:B:69:THR:HG23	9	0.17
(1,4651)	1:A:37:THR:HG21	1:A:41:SER:H	9	0.17
(1,4651)	1:A:37:THR:HG22	1:A:41:SER:H	9	0.17
(1,4651)	1:A:37:THR:HG23	1:A:41:SER:H	9	0.17
(1,4651)	1:A:71:SER:H	1:A:69:THR:HG21	9	0.17
(1,4651)	1:A:71:SER:H	1:A:69:THR:HG22	9	0.17
(1,4651)	1:A:71:SER:H	1:A:69:THR:HG23	9	0.17
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB2	5	0.17
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB1	5	0.17
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB3	5	0.17
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB2	5	0.17
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB1	5	0.17
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB3	5	0.17
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB2	14	0.17
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB1	14	0.17
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB3	14	0.17
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB2	14	0.17
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB1	14	0.17
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB3	14	0.17
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB2	16	0.17
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB1	16	0.17
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB3	16	0.17
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB2	16	0.17
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB1	16	0.17
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB3	16	0.17
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB2	5	0.17
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB1	5	0.17
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB3	5	0.17
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB2	5	0.17
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB1	5	0.17
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB3	5	0.17
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB2	14	0.17
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB1	14	0.17
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB3	14	0.17
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB2	14	0.17
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB1	14	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB3	14	0.17
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB2	16	0.17
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB1	16	0.17
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB3	16	0.17
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB2	16	0.17
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB1	16	0.17
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB3	16	0.17
(1,4516)	1:B:48:ALA:HA	1:B:50:PHE:HB2	5	0.17
(1,4516)	1:B:48:ALA:HA	1:B:50:PHE:HB3	5	0.17
(1,4516)	1:B:49:ALA:HA	1:B:50:PHE:HB2	5	0.17
(1,4516)	1:B:49:ALA:HA	1:B:50:PHE:HB3	5	0.17
(1,4516)	1:B:94:SER:HB2	1:B:95:PHE:HB2	5	0.17
(1,4516)	1:B:94:SER:HB2	1:B:95:PHE:HB3	5	0.17
(1,4516)	1:B:94:SER:HB3	1:B:95:PHE:HB2	5	0.17
(1,4516)	1:B:94:SER:HB3	1:B:95:PHE:HB3	5	0.17
(1,4516)	1:B:48:ALA:HA	1:B:50:PHE:HB2	16	0.17
(1,4516)	1:B:48:ALA:HA	1:B:50:PHE:HB3	16	0.17
(1,4516)	1:B:49:ALA:HA	1:B:50:PHE:HB2	16	0.17
(1,4516)	1:B:49:ALA:HA	1:B:50:PHE:HB3	16	0.17
(1,4516)	1:B:94:SER:HB2	1:B:95:PHE:HB2	16	0.17
(1,4516)	1:B:94:SER:HB2	1:B:95:PHE:HB3	16	0.17
(1,4516)	1:B:94:SER:HB3	1:B:95:PHE:HB2	16	0.17
(1,4516)	1:B:94:SER:HB3	1:B:95:PHE:HB3	16	0.17
(1,4515)	1:A:48:ALA:HA	1:A:50:PHE:HB2	5	0.17
(1,4515)	1:A:48:ALA:HA	1:A:50:PHE:HB3	5	0.17
(1,4515)	1:A:49:ALA:HA	1:A:50:PHE:HB2	5	0.17
(1,4515)	1:A:49:ALA:HA	1:A:50:PHE:HB3	5	0.17
(1,4515)	1:A:94:SER:HB2	1:A:95:PHE:HB2	5	0.17
(1,4515)	1:A:94:SER:HB2	1:A:95:PHE:HB3	5	0.17
(1,4515)	1:A:94:SER:HB3	1:A:95:PHE:HB2	5	0.17
(1,4515)	1:A:94:SER:HB3	1:A:95:PHE:HB3	5	0.17
(1,4488)	1:B:84:ILE:HB	1:B:17:LEU:HD22	10	0.17
(1,4488)	1:B:84:ILE:HB	1:B:17:LEU:HD21	10	0.17
(1,4488)	1:B:84:ILE:HB	1:B:17:LEU:HD23	10	0.17
(1,4488)	1:B:84:ILE:HB	1:B:81:LEU:HG	10	0.17
(1,4488)	1:B:84:ILE:HB	1:B:83:LEU:HD22	10	0.17
(1,4488)	1:B:84:ILE:HB	1:B:83:LEU:HD21	10	0.17
(1,4488)	1:B:84:ILE:HB	1:B:83:LEU:HD23	10	0.17
(1,4487)	1:A:84:ILE:HB	1:A:17:LEU:HD22	10	0.17
(1,4487)	1:A:84:ILE:HB	1:A:17:LEU:HD21	10	0.17
(1,4487)	1:A:84:ILE:HB	1:A:17:LEU:HD23	10	0.17
(1,4487)	1:A:84:ILE:HB	1:A:81:LEU:HG	10	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4487)	1:A:84:ILE:HB	1:A:83:LEU:HD22	10	0.17
(1,4487)	1:A:84:ILE:HB	1:A:83:LEU:HD21	10	0.17
(1,4487)	1:A:84:ILE:HB	1:A:83:LEU:HD23	10	0.17
(1,4438)	1:B:22:GLN:HG2	1:B:25:ALA:HB2	14	0.17
(1,4438)	1:B:22:GLN:HG2	1:B:25:ALA:HB1	14	0.17
(1,4438)	1:B:22:GLN:HG2	1:B:25:ALA:HB3	14	0.17
(1,4438)	1:B:22:GLN:HG3	1:B:25:ALA:HB2	14	0.17
(1,4438)	1:B:22:GLN:HG3	1:B:25:ALA:HB1	14	0.17
(1,4438)	1:B:22:GLN:HG3	1:B:25:ALA:HB3	14	0.17
(1,4438)	1:B:25:ALA:HB2	1:B:24:TYR:HB3	14	0.17
(1,4438)	1:B:25:ALA:HB1	1:B:24:TYR:HB3	14	0.17
(1,4438)	1:B:25:ALA:HB3	1:B:24:TYR:HB3	14	0.17
(1,4437)	1:A:22:GLN:HG2	1:A:25:ALA:HB2	14	0.17
(1,4437)	1:A:22:GLN:HG2	1:A:25:ALA:HB1	14	0.17
(1,4437)	1:A:22:GLN:HG2	1:A:25:ALA:HB3	14	0.17
(1,4437)	1:A:22:GLN:HG3	1:A:25:ALA:HB2	14	0.17
(1,4437)	1:A:22:GLN:HG3	1:A:25:ALA:HB1	14	0.17
(1,4437)	1:A:22:GLN:HG3	1:A:25:ALA:HB3	14	0.17
(1,4437)	1:A:25:ALA:HB2	1:A:24:TYR:HB3	14	0.17
(1,4437)	1:A:25:ALA:HB1	1:A:24:TYR:HB3	14	0.17
(1,4437)	1:A:25:ALA:HB3	1:A:24:TYR:HB3	14	0.17
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD22	1	0.17
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD21	1	0.17
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD23	1	0.17
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD22	1	0.17
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD21	1	0.17
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD23	1	0.17
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD22	1	0.17
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD21	1	0.17
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD23	1	0.17
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD12	1	0.17
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD11	1	0.17
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD13	1	0.17
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD12	1	0.17
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD11	1	0.17
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD13	1	0.17
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD12	1	0.17
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD11	1	0.17
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD13	1	0.17
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD22	2	0.17
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD21	2	0.17
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD23	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD22	2	0.17
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD21	2	0.17
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD23	2	0.17
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD22	2	0.17
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD21	2	0.17
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD23	2	0.17
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD12	2	0.17
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD11	2	0.17
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD13	2	0.17
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD12	2	0.17
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD11	2	0.17
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD13	2	0.17
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD12	2	0.17
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD11	2	0.17
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD13	2	0.17
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD22	14	0.17
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD21	14	0.17
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD23	14	0.17
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD22	14	0.17
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD21	14	0.17
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD23	14	0.17
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD22	14	0.17
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD21	14	0.17
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD23	14	0.17
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD12	14	0.17
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD11	14	0.17
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD13	14	0.17
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD12	14	0.17
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD11	14	0.17
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD13	14	0.17
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD12	14	0.17
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD11	14	0.17
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD13	14	0.17
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD22	20	0.17
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD21	20	0.17
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD23	20	0.17
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD22	20	0.17
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD21	20	0.17
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD23	20	0.17
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD22	20	0.17
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD21	20	0.17
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD23	20	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD12	20	0.17
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD11	20	0.17
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD13	20	0.17
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD12	20	0.17
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD11	20	0.17
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD13	20	0.17
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD12	20	0.17
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD11	20	0.17
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD13	20	0.17
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD22	1	0.17
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD21	1	0.17
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD23	1	0.17
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD22	1	0.17
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD21	1	0.17
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD23	1	0.17
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD22	1	0.17
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD21	1	0.17
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD23	1	0.17
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD12	1	0.17
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD11	1	0.17
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD13	1	0.17
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD12	1	0.17
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD11	1	0.17
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD13	1	0.17
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD12	1	0.17
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD11	1	0.17
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD13	1	0.17
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD22	2	0.17
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD21	2	0.17
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD23	2	0.17
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD22	2	0.17
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD21	2	0.17
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD23	2	0.17
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD22	2	0.17
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD21	2	0.17
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD23	2	0.17
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD12	2	0.17
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD11	2	0.17
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD13	2	0.17
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD12	2	0.17
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD11	2	0.17
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD13	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD12	2	0.17
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD11	2	0.17
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD13	2	0.17
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD22	14	0.17
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD21	14	0.17
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD23	14	0.17
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD22	14	0.17
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD21	14	0.17
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD23	14	0.17
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD22	14	0.17
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD21	14	0.17
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD23	14	0.17
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD12	14	0.17
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD11	14	0.17
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD13	14	0.17
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD12	14	0.17
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD11	14	0.17
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD13	14	0.17
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD12	14	0.17
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD11	14	0.17
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD13	14	0.17
(1,4342)	1:B:41:SER:H	1:B:60:LEU:HD12	5	0.17
(1,4342)	1:B:41:SER:H	1:B:60:LEU:HD11	5	0.17
(1,4342)	1:B:41:SER:H	1:B:60:LEU:HD13	5	0.17
(1,4342)	1:B:83:LEU:HD12	1:B:86:GLY:H	5	0.17
(1,4342)	1:B:83:LEU:HD11	1:B:86:GLY:H	5	0.17
(1,4342)	1:B:83:LEU:HD13	1:B:86:GLY:H	5	0.17
(1,4342)	1:B:41:SER:H	1:B:60:LEU:HD12	6	0.17
(1,4342)	1:B:41:SER:H	1:B:60:LEU:HD11	6	0.17
(1,4342)	1:B:41:SER:H	1:B:60:LEU:HD13	6	0.17
(1,4342)	1:B:83:LEU:HD12	1:B:86:GLY:H	6	0.17
(1,4342)	1:B:83:LEU:HD11	1:B:86:GLY:H	6	0.17
(1,4342)	1:B:83:LEU:HD13	1:B:86:GLY:H	6	0.17
(1,4342)	1:B:41:SER:H	1:B:60:LEU:HD12	16	0.17
(1,4342)	1:B:41:SER:H	1:B:60:LEU:HD11	16	0.17
(1,4342)	1:B:41:SER:H	1:B:60:LEU:HD13	16	0.17
(1,4342)	1:B:83:LEU:HD12	1:B:86:GLY:H	16	0.17
(1,4342)	1:B:83:LEU:HD11	1:B:86:GLY:H	16	0.17
(1,4342)	1:B:83:LEU:HD13	1:B:86:GLY:H	16	0.17
(1,4341)	1:A:41:SER:H	1:A:60:LEU:HD12	5	0.17
(1,4341)	1:A:41:SER:H	1:A:60:LEU:HD11	5	0.17
(1,4341)	1:A:41:SER:H	1:A:60:LEU:HD13	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4341)	1:A:83:LEU:HD12	1:A:86:GLY:H	5	0.17
(1,4341)	1:A:83:LEU:HD11	1:A:86:GLY:H	5	0.17
(1,4341)	1:A:83:LEU:HD13	1:A:86:GLY:H	5	0.17
(1,4341)	1:A:41:SER:H	1:A:60:LEU:HD12	6	0.17
(1,4341)	1:A:41:SER:H	1:A:60:LEU:HD11	6	0.17
(1,4341)	1:A:41:SER:H	1:A:60:LEU:HD13	6	0.17
(1,4341)	1:A:83:LEU:HD12	1:A:86:GLY:H	6	0.17
(1,4341)	1:A:83:LEU:HD11	1:A:86:GLY:H	6	0.17
(1,4341)	1:A:83:LEU:HD13	1:A:86:GLY:H	6	0.17
(1,4341)	1:A:41:SER:H	1:A:60:LEU:HD12	16	0.17
(1,4341)	1:A:41:SER:H	1:A:60:LEU:HD11	16	0.17
(1,4341)	1:A:41:SER:H	1:A:60:LEU:HD13	16	0.17
(1,4341)	1:A:83:LEU:HD12	1:A:86:GLY:H	16	0.17
(1,4341)	1:A:83:LEU:HD11	1:A:86:GLY:H	16	0.17
(1,4341)	1:A:83:LEU:HD13	1:A:86:GLY:H	16	0.17
(1,4262)	1:B:59:VAL:HA	1:B:61:ASP:HB2	14	0.17
(1,4262)	1:B:63:MET:HG2	1:B:59:VAL:HA	14	0.17
(1,4261)	1:A:59:VAL:HA	1:A:61:ASP:HB2	14	0.17
(1,4261)	1:A:63:MET:HG2	1:A:59:VAL:HA	14	0.17
(1,4246)	1:B:89:MET:HB2	1:B:85:GLY:H	12	0.17
(1,4246)	1:B:89:MET:HB3	1:B:85:GLY:H	12	0.17
(1,4246)	1:B:100:PRO:HB2	1:A:22:GLN:H	12	0.17
(1,4202)	1:B:42:PHE:HB3	1:B:20:VAL:HG22	9	0.17
(1,4202)	1:B:42:PHE:HB3	1:B:20:VAL:HG21	9	0.17
(1,4202)	1:B:42:PHE:HB3	1:B:20:VAL:HG23	9	0.17
(1,4202)	1:B:42:PHE:HB3	1:B:34:LEU:HG	9	0.17
(1,4202)	1:B:11:GLU:HG2	1:B:8:THR:HG21	9	0.17
(1,4202)	1:B:11:GLU:HG2	1:B:8:THR:HG22	9	0.17
(1,4202)	1:B:11:GLU:HG2	1:B:8:THR:HG23	9	0.17
(1,4200)	1:B:42:PHE:HA	1:B:39:PHE:HA	7	0.17
(1,4200)	1:B:42:PHE:HA	1:B:45:THR:HA	7	0.17
(1,4200)	1:B:45:THR:HB	1:B:42:PHE:HA	7	0.17
(1,4199)	1:A:42:PHE:HA	1:A:39:PHE:HA	7	0.17
(1,4199)	1:A:42:PHE:HA	1:A:45:THR:HA	7	0.17
(1,4199)	1:A:45:THR:HB	1:A:42:PHE:HA	7	0.17
(1,4150)	1:B:17:LEU:HG	1:B:13:CYS:HB2	5	0.17
(1,4150)	1:B:13:CYS:HB2	1:A:17:LEU:HG	5	0.17
(1,4052)	1:B:58:GLY:HA3	1:B:57:PRO:HB3	2	0.17
(1,4052)	1:B:58:GLY:HA3	1:B:57:PRO:HG2	2	0.17
(1,4052)	1:B:58:GLY:HA3	1:B:57:PRO:HG3	2	0.17
(1,4051)	1:A:58:GLY:HA3	1:A:57:PRO:HB3	2	0.17
(1,4051)	1:A:58:GLY:HA3	1:A:57:PRO:HG2	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4051)	1:A:58:GLY:HA3	1:A:57:PRO:HG3	2	0.17
(1,4028)	1:B:99:VAL:HG22	1:B:102:GLN:H	4	0.17
(1,4028)	1:B:99:VAL:HG21	1:B:102:GLN:H	4	0.17
(1,4028)	1:B:99:VAL:HG23	1:B:102:GLN:H	4	0.17
(1,4028)	1:B:99:VAL:HG12	1:B:102:GLN:H	4	0.17
(1,4028)	1:B:99:VAL:HG11	1:B:102:GLN:H	4	0.17
(1,4028)	1:B:99:VAL:HG13	1:B:102:GLN:H	4	0.17
(1,4027)	1:A:99:VAL:HG22	1:A:102:GLN:H	4	0.17
(1,4027)	1:A:99:VAL:HG21	1:A:102:GLN:H	4	0.17
(1,4027)	1:A:99:VAL:HG23	1:A:102:GLN:H	4	0.17
(1,4027)	1:A:99:VAL:HG12	1:A:102:GLN:H	4	0.17
(1,4027)	1:A:99:VAL:HG11	1:A:102:GLN:H	4	0.17
(1,4027)	1:A:99:VAL:HG13	1:A:102:GLN:H	4	0.17
(1,3966)	1:B:9:GLU:HB2	1:B:12:ARG:HD2	4	0.17
(1,3966)	1:B:9:GLU:HB2	1:B:12:ARG:HD3	4	0.17
(1,3966)	1:B:9:GLU:HB3	1:B:12:ARG:HD2	4	0.17
(1,3966)	1:B:9:GLU:HB3	1:B:12:ARG:HD3	4	0.17
(1,3966)	1:B:15:GLU:HB2	1:B:12:ARG:HD2	4	0.17
(1,3966)	1:B:15:GLU:HB2	1:B:12:ARG:HD3	4	0.17
(1,3966)	1:B:15:GLU:HB3	1:B:12:ARG:HD2	4	0.17
(1,3966)	1:B:15:GLU:HB3	1:B:12:ARG:HD3	4	0.17
(1,3965)	1:A:9:GLU:HB2	1:A:12:ARG:HD2	4	0.17
(1,3965)	1:A:9:GLU:HB2	1:A:12:ARG:HD3	4	0.17
(1,3965)	1:A:9:GLU:HB3	1:A:12:ARG:HD2	4	0.17
(1,3965)	1:A:9:GLU:HB3	1:A:12:ARG:HD3	4	0.17
(1,3965)	1:A:15:GLU:HB2	1:A:12:ARG:HD2	4	0.17
(1,3965)	1:A:15:GLU:HB2	1:A:12:ARG:HD3	4	0.17
(1,3965)	1:A:15:GLU:HB3	1:A:12:ARG:HD2	4	0.17
(1,3965)	1:A:15:GLU:HB3	1:A:12:ARG:HD3	4	0.17
(1,3930)	1:B:74:GLN:HA	1:B:34:LEU:HB3	2	0.17
(1,3930)	1:B:74:GLN:HA	1:B:36:LYS:HG2	2	0.17
(1,3930)	1:B:74:GLN:HA	1:B:36:LYS:HG3	2	0.17
(1,3930)	1:B:74:GLN:HA	1:B:75:LEU:HB3	2	0.17
(1,3913)	1:A:35:SER:HA	1:A:34:LEU:HG	20	0.17
(1,3913)	1:A:35:SER:HA	1:A:75:LEU:HB3	20	0.17
(1,3898)	1:B:10:THR:HA	1:B:11:GLU:HB2	2	0.17
(1,3898)	1:B:10:THR:HA	1:B:11:GLU:HB3	2	0.17
(1,3898)	1:B:10:THR:HA	1:B:12:ARG:HB2	2	0.17
(1,3898)	1:B:10:THR:HA	1:B:12:ARG:HB3	2	0.17
(1,3898)	1:B:10:THR:HA	1:B:14:ILE:HB	2	0.17
(1,3898)	1:B:10:THR:HA	1:B:11:GLU:HB2	3	0.17
(1,3898)	1:B:10:THR:HA	1:B:11:GLU:HB3	3	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3898)	1:B:10:THR:HA	1:B:12:ARG:HB2	3	0.17
(1,3898)	1:B:10:THR:HA	1:B:12:ARG:HB3	3	0.17
(1,3898)	1:B:10:THR:HA	1:B:14:ILE:HB	3	0.17
(1,3898)	1:B:10:THR:HA	1:B:11:GLU:HB2	5	0.17
(1,3898)	1:B:10:THR:HA	1:B:11:GLU:HB3	5	0.17
(1,3898)	1:B:10:THR:HA	1:B:12:ARG:HB2	5	0.17
(1,3898)	1:B:10:THR:HA	1:B:12:ARG:HB3	5	0.17
(1,3898)	1:B:10:THR:HA	1:B:14:ILE:HB	5	0.17
(1,3898)	1:B:10:THR:HA	1:B:11:GLU:HB2	9	0.17
(1,3898)	1:B:10:THR:HA	1:B:11:GLU:HB3	9	0.17
(1,3898)	1:B:10:THR:HA	1:B:12:ARG:HB2	9	0.17
(1,3898)	1:B:10:THR:HA	1:B:12:ARG:HB3	9	0.17
(1,3898)	1:B:10:THR:HA	1:B:14:ILE:HB	9	0.17
(1,3898)	1:B:10:THR:HA	1:B:11:GLU:HB2	14	0.17
(1,3898)	1:B:10:THR:HA	1:B:11:GLU:HB3	14	0.17
(1,3898)	1:B:10:THR:HA	1:B:12:ARG:HB2	14	0.17
(1,3898)	1:B:10:THR:HA	1:B:12:ARG:HB3	14	0.17
(1,3898)	1:B:10:THR:HA	1:B:14:ILE:HB	14	0.17
(1,3897)	1:A:10:THR:HA	1:A:11:GLU:HB2	2	0.17
(1,3897)	1:A:10:THR:HA	1:A:11:GLU:HB3	2	0.17
(1,3897)	1:A:10:THR:HA	1:A:12:ARG:HB2	2	0.17
(1,3897)	1:A:10:THR:HA	1:A:12:ARG:HB3	2	0.17
(1,3897)	1:A:10:THR:HA	1:A:14:ILE:HB	2	0.17
(1,3897)	1:A:10:THR:HA	1:A:11:GLU:HB2	3	0.17
(1,3897)	1:A:10:THR:HA	1:A:11:GLU:HB3	3	0.17
(1,3897)	1:A:10:THR:HA	1:A:12:ARG:HB2	3	0.17
(1,3897)	1:A:10:THR:HA	1:A:12:ARG:HB3	3	0.17
(1,3897)	1:A:10:THR:HA	1:A:14:ILE:HB	3	0.17
(1,3897)	1:A:10:THR:HA	1:A:11:GLU:HB2	5	0.17
(1,3897)	1:A:10:THR:HA	1:A:11:GLU:HB3	5	0.17
(1,3897)	1:A:10:THR:HA	1:A:12:ARG:HB2	5	0.17
(1,3897)	1:A:10:THR:HA	1:A:12:ARG:HB3	5	0.17
(1,3897)	1:A:10:THR:HA	1:A:14:ILE:HB	5	0.17
(1,3897)	1:A:10:THR:HA	1:A:11:GLU:HB2	14	0.17
(1,3897)	1:A:10:THR:HA	1:A:11:GLU:HB3	14	0.17
(1,3897)	1:A:10:THR:HA	1:A:12:ARG:HB2	14	0.17
(1,3897)	1:A:10:THR:HA	1:A:12:ARG:HB3	14	0.17
(1,3897)	1:A:10:THR:HA	1:A:14:ILE:HB	14	0.17
(1,3884)	1:B:89:MET:HG3	1:B:83:LEU:H	11	0.17
(1,3884)	1:B:89:MET:HG3	1:A:82:ASN:H	11	0.17
(1,3884)	1:B:63:MET:HG3	1:B:65:LYS:H	11	0.17
(1,3883)	1:A:89:MET:HG3	1:A:83:LEU:H	11	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3883)	1:A:89:MET:HG3	1:B:82:ASN:H	11	0.17
(1,3883)	1:A:63:MET:HG3	1:A:65:LYS:H	11	0.17
(1,3786)	1:B:63:MET:HG3	1:B:61:ASP:H	7	0.17
(1,3786)	1:B:89:MET:HG3	1:B:87:LEU:H	7	0.17
(1,3786)	1:B:63:MET:HG3	1:B:61:ASP:H	12	0.17
(1,3786)	1:B:89:MET:HG3	1:B:87:LEU:H	12	0.17
(1,3786)	1:B:63:MET:HG3	1:B:61:ASP:H	16	0.17
(1,3786)	1:B:89:MET:HG3	1:B:87:LEU:H	16	0.17
(1,3785)	1:A:63:MET:HG3	1:A:61:ASP:H	7	0.17
(1,3785)	1:A:89:MET:HG3	1:A:87:LEU:H	7	0.17
(1,3785)	1:A:63:MET:HG3	1:A:61:ASP:H	12	0.17
(1,3785)	1:A:89:MET:HG3	1:A:87:LEU:H	12	0.17
(1,3785)	1:A:63:MET:HG3	1:A:61:ASP:H	16	0.17
(1,3785)	1:A:89:MET:HG3	1:A:87:LEU:H	16	0.17
(1,3736)	1:B:37:THR:HB	1:B:35:SER:HA	18	0.17
(1,3736)	1:B:51:THR:HB	1:B:53:ASN:HA	18	0.17
(1,3736)	1:B:37:THR:HB	1:B:35:SER:HA	19	0.17
(1,3736)	1:B:51:THR:HB	1:B:53:ASN:HA	19	0.17
(1,3735)	1:A:37:THR:HB	1:A:35:SER:HA	18	0.17
(1,3735)	1:A:51:THR:HB	1:A:53:ASN:HA	18	0.17
(1,3735)	1:A:37:THR:HB	1:A:35:SER:HA	19	0.17
(1,3735)	1:A:51:THR:HB	1:A:53:ASN:HA	19	0.17
(1,3704)	1:B:39:PHE:HB2	1:B:36:LYS:HG2	4	0.17
(1,3704)	1:B:39:PHE:HB2	1:B:36:LYS:HG3	4	0.17
(1,3704)	1:B:39:PHE:HB2	1:B:60:LEU:HB3	4	0.17
(1,3704)	1:B:39:PHE:HB2	1:B:75:LEU:HB3	4	0.17
(1,3703)	1:A:39:PHE:HB2	1:A:36:LYS:HG2	4	0.17
(1,3703)	1:A:39:PHE:HB2	1:A:36:LYS:HG3	4	0.17
(1,3703)	1:A:39:PHE:HB2	1:A:60:LEU:HB3	4	0.17
(1,3703)	1:A:39:PHE:HB2	1:A:75:LEU:HB3	4	0.17
(1,3702)	1:B:27:LYS:HD2	1:B:28:ASP:HB3	17	0.17
(1,3702)	1:B:27:LYS:HD3	1:B:28:ASP:HB3	17	0.17
(1,3702)	1:B:27:LYS:HD2	1:B:42:PHE:HB3	17	0.17
(1,3702)	1:B:27:LYS:HD3	1:B:42:PHE:HB3	17	0.17
(1,3702)	1:B:52:LYS:HD2	1:B:44:ASN:HB3	17	0.17
(1,3702)	1:B:52:LYS:HD3	1:B:44:ASN:HB3	17	0.17
(1,3702)	1:B:97:LYS:HD2	1:B:93:ASP:HB3	17	0.17
(1,3702)	1:B:97:LYS:HD3	1:B:93:ASP:HB3	17	0.17
(1,3678)	1:B:74:GLN:HG2	1:B:33:THR:HA	3	0.17
(1,3678)	1:B:74:GLN:HG3	1:B:33:THR:HA	3	0.17
(1,3678)	1:B:74:GLN:HG2	1:B:34:LEU:HA	3	0.17
(1,3678)	1:B:74:GLN:HG3	1:B:34:LEU:HA	3	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3677)	1:A:74:GLN:HG2	1:A:33:THR:HA	3	0.17
(1,3677)	1:A:74:GLN:HG3	1:A:33:THR:HA	3	0.17
(1,3677)	1:A:74:GLN:HG2	1:A:34:LEU:HA	3	0.17
(1,3677)	1:A:74:GLN:HG3	1:A:34:LEU:HA	3	0.17
(1,3670)	1:B:69:THR:HA	1:B:70:ASN:HB2	19	0.17
(1,3670)	1:B:70:ASN:HB2	1:B:71:SER:HA	19	0.17
(1,3669)	1:A:69:THR:HA	1:A:70:ASN:HB2	19	0.17
(1,3669)	1:A:70:ASN:HB2	1:A:71:SER:HA	19	0.17
(1,3626)	1:B:34:LEU:HA	1:B:24:TYR:HB2	17	0.17
(1,3626)	1:B:34:LEU:HA	1:B:27:LYS:HE2	17	0.17
(1,3626)	1:B:34:LEU:HA	1:B:27:LYS:HE3	17	0.17
(1,3625)	1:A:34:LEU:HA	1:A:24:TYR:HB2	17	0.17
(1,3625)	1:A:34:LEU:HA	1:A:27:LYS:HE2	17	0.17
(1,3625)	1:A:34:LEU:HA	1:A:27:LYS:HE3	17	0.17
(1,3596)	1:B:13:CYS:HB2	1:B:20:VAL:HG12	16	0.17
(1,3596)	1:B:13:CYS:HB2	1:B:20:VAL:HG11	16	0.17
(1,3596)	1:B:13:CYS:HB2	1:B:20:VAL:HG13	16	0.17
(1,3596)	1:B:13:CYS:HB2	1:A:20:VAL:HG22	16	0.17
(1,3596)	1:B:13:CYS:HB2	1:A:20:VAL:HG21	16	0.17
(1,3596)	1:B:13:CYS:HB2	1:A:20:VAL:HG23	16	0.17
(1,3596)	1:B:13:CYS:HB2	1:A:20:VAL:HG12	16	0.17
(1,3596)	1:B:13:CYS:HB2	1:A:20:VAL:HG11	16	0.17
(1,3596)	1:B:13:CYS:HB2	1:A:20:VAL:HG13	16	0.17
(1,3595)	1:A:13:CYS:HB2	1:A:20:VAL:HG12	16	0.17
(1,3595)	1:A:13:CYS:HB2	1:A:20:VAL:HG11	16	0.17
(1,3595)	1:A:13:CYS:HB2	1:A:20:VAL:HG13	16	0.17
(1,3595)	1:A:13:CYS:HB2	1:B:20:VAL:HG22	16	0.17
(1,3595)	1:A:13:CYS:HB2	1:B:20:VAL:HG21	16	0.17
(1,3595)	1:A:13:CYS:HB2	1:B:20:VAL:HG23	16	0.17
(1,3595)	1:A:13:CYS:HB2	1:B:20:VAL:HG12	16	0.17
(1,3595)	1:A:13:CYS:HB2	1:B:20:VAL:HG11	16	0.17
(1,3595)	1:A:13:CYS:HB2	1:B:20:VAL:HG13	16	0.17
(1,3583)	1:A:77:PHE:HB2	1:A:79:GLU:H	8	0.17
(1,3583)	1:A:68:ASP:HB3	1:A:64:MET:H	8	0.17
(1,3504)	1:B:39:PHE:HB3	1:B:33:THR:HA	7	0.17
(1,3504)	1:B:33:THR:HA	1:B:80:PHE:HB2	7	0.17
(1,3503)	1:A:39:PHE:HB3	1:A:33:THR:HA	7	0.17
(1,3503)	1:A:33:THR:HA	1:A:80:PHE:HB2	7	0.17
(1,3500)	1:B:29:GLY:HA2	1:B:28:ASP:HB2	1	0.17
(1,3500)	1:B:73:GLY:HA2	1:B:72:ASP:HB2	1	0.17
(1,3500)	1:B:29:GLY:HA2	1:B:28:ASP:HB2	4	0.17
(1,3500)	1:B:73:GLY:HA2	1:B:72:ASP:HB2	4	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3500)	1:B:29:GLY:HA2	1:B:28:ASP:HB2	8	0.17
(1,3500)	1:B:73:GLY:HA2	1:B:72:ASP:HB2	8	0.17
(1,3499)	1:A:29:GLY:HA2	1:A:28:ASP:HB2	1	0.17
(1,3499)	1:A:73:GLY:HA2	1:A:72:ASP:HB2	1	0.17
(1,3499)	1:A:29:GLY:HA2	1:A:28:ASP:HB2	4	0.17
(1,3499)	1:A:73:GLY:HA2	1:A:72:ASP:HB2	4	0.17
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD22	4	0.17
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD21	4	0.17
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD23	4	0.17
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD22	4	0.17
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD21	4	0.17
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD23	4	0.17
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD22	16	0.17
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD21	16	0.17
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD23	16	0.17
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD22	16	0.17
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD21	16	0.17
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD23	16	0.17
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD22	3	0.17
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD21	3	0.17
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD23	3	0.17
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD22	3	0.17
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD21	3	0.17
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD23	3	0.17
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD22	4	0.17
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD21	4	0.17
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD23	4	0.17
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD22	4	0.17
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD21	4	0.17
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD23	4	0.17
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD22	12	0.17
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD21	12	0.17
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD23	12	0.17
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD22	12	0.17
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD21	12	0.17
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD23	12	0.17
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD22	16	0.17
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD21	16	0.17
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD23	16	0.17
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD22	16	0.17
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD21	16	0.17
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD23	16	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD22	17	0.17
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD21	17	0.17
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD23	17	0.17
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD22	17	0.17
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD21	17	0.17
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD23	17	0.17
(1,3474)	1:B:11:GLU:H	1:B:17:LEU:HG	11	0.17
(1,3474)	1:B:17:LEU:HG	1:B:21:PHE:H	11	0.17
(1,3474)	1:B:17:LEU:HG	1:A:11:GLU:H	11	0.17
(1,3474)	1:B:11:GLU:H	1:B:17:LEU:HG	15	0.17
(1,3474)	1:B:17:LEU:HG	1:B:21:PHE:H	15	0.17
(1,3474)	1:B:17:LEU:HG	1:A:11:GLU:H	15	0.17
(1,3474)	1:B:11:GLU:H	1:B:17:LEU:HG	16	0.17
(1,3474)	1:B:17:LEU:HG	1:B:21:PHE:H	16	0.17
(1,3474)	1:B:17:LEU:HG	1:A:11:GLU:H	16	0.17
(1,3473)	1:A:11:GLU:H	1:A:17:LEU:HG	11	0.17
(1,3473)	1:A:17:LEU:HG	1:A:21:PHE:H	11	0.17
(1,3473)	1:A:17:LEU:HG	1:B:11:GLU:H	11	0.17
(1,3473)	1:A:11:GLU:H	1:A:17:LEU:HG	15	0.17
(1,3473)	1:A:17:LEU:HG	1:A:21:PHE:H	15	0.17
(1,3473)	1:A:17:LEU:HG	1:B:11:GLU:H	15	0.17
(1,3473)	1:A:11:GLU:H	1:A:17:LEU:HG	16	0.17
(1,3473)	1:A:17:LEU:HG	1:A:21:PHE:H	16	0.17
(1,3473)	1:A:17:LEU:HG	1:B:11:GLU:H	16	0.17
(1,3467)	1:A:75:LEU:HB3	1:A:33:THR:HA	3	0.17
(1,3467)	1:A:75:LEU:HB3	1:A:34:LEU:HA	3	0.17
(1,3457)	1:A:11:GLU:HA	1:A:12:ARG:HD2	1	0.17
(1,3457)	1:A:11:GLU:HA	1:A:12:ARG:HD3	1	0.17
(1,3457)	1:A:11:GLU:HA	1:B:50:PHE:HB2	1	0.17
(1,3457)	1:A:11:GLU:HA	1:B:50:PHE:HB3	1	0.17
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD22	13	0.17
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD21	13	0.17
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD23	13	0.17
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD22	18	0.17
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD21	18	0.17
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD23	18	0.17
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD22	18	0.17
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD21	18	0.17
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD23	18	0.17
(1,3390)	1:B:17:LEU:HD22	1:A:14:ILE:HD12	4	0.17
(1,3390)	1:B:17:LEU:HD22	1:A:14:ILE:HD11	4	0.17
(1,3390)	1:B:17:LEU:HD22	1:A:14:ILE:HD13	4	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3390)	1:B:17:LEU:HD21	1:A:14:ILE:HD12	4	0.17
(1,3390)	1:B:17:LEU:HD21	1:A:14:ILE:HD11	4	0.17
(1,3390)	1:B:17:LEU:HD21	1:A:14:ILE:HD13	4	0.17
(1,3390)	1:B:17:LEU:HD23	1:A:14:ILE:HD12	4	0.17
(1,3390)	1:B:17:LEU:HD23	1:A:14:ILE:HD11	4	0.17
(1,3390)	1:B:17:LEU:HD23	1:A:14:ILE:HD13	4	0.17
(1,3390)	1:B:17:LEU:HD22	1:A:17:LEU:HD12	4	0.17
(1,3390)	1:B:17:LEU:HD22	1:A:17:LEU:HD11	4	0.17
(1,3390)	1:B:17:LEU:HD22	1:A:17:LEU:HD13	4	0.17
(1,3390)	1:B:17:LEU:HD21	1:A:17:LEU:HD12	4	0.17
(1,3390)	1:B:17:LEU:HD21	1:A:17:LEU:HD11	4	0.17
(1,3390)	1:B:17:LEU:HD21	1:A:17:LEU:HD13	4	0.17
(1,3390)	1:B:17:LEU:HD23	1:A:17:LEU:HD12	4	0.17
(1,3390)	1:B:17:LEU:HD23	1:A:17:LEU:HD11	4	0.17
(1,3390)	1:B:17:LEU:HD23	1:A:17:LEU:HD13	4	0.17
(1,3357)	1:A:88:ALA:HB2	1:B:14:ILE:HB	13	0.17
(1,3357)	1:A:88:ALA:HB1	1:B:14:ILE:HB	13	0.17
(1,3357)	1:A:88:ALA:HB3	1:B:14:ILE:HB	13	0.17
(1,3357)	1:A:88:ALA:HB2	1:B:77:PHE:HB3	13	0.17
(1,3357)	1:A:88:ALA:HB1	1:B:77:PHE:HB3	13	0.17
(1,3357)	1:A:88:ALA:HB3	1:B:77:PHE:HB3	13	0.17
(1,3166)	1:B:82:ASN:H	1:B:82:ASN:HB3	17	0.17
(1,3138)	1:B:76:ASP:H	1:B:75:LEU:HD22	11	0.17
(1,3138)	1:B:76:ASP:H	1:B:75:LEU:HD21	11	0.17
(1,3138)	1:B:76:ASP:H	1:B:75:LEU:HD23	11	0.17
(1,3137)	1:A:76:ASP:H	1:A:75:LEU:HD22	11	0.17
(1,3137)	1:A:76:ASP:H	1:A:75:LEU:HD21	11	0.17
(1,3137)	1:A:76:ASP:H	1:A:75:LEU:HD23	11	0.17
(1,3092)	1:B:75:LEU:H	1:B:75:LEU:HB3	2	0.17
(1,3092)	1:B:75:LEU:H	1:B:75:LEU:HB3	4	0.17
(1,3092)	1:B:75:LEU:H	1:B:75:LEU:HB3	5	0.17
(1,3092)	1:B:75:LEU:H	1:B:75:LEU:HB3	7	0.17
(1,3092)	1:B:75:LEU:H	1:B:75:LEU:HB3	11	0.17
(1,3092)	1:B:75:LEU:H	1:B:75:LEU:HB3	17	0.17
(1,3091)	1:A:75:LEU:H	1:A:75:LEU:HB3	2	0.17
(1,3091)	1:A:75:LEU:H	1:A:75:LEU:HB3	4	0.17
(1,3091)	1:A:75:LEU:H	1:A:75:LEU:HB3	5	0.17
(1,3091)	1:A:75:LEU:H	1:A:75:LEU:HB3	7	0.17
(1,3091)	1:A:75:LEU:H	1:A:75:LEU:HB3	11	0.17
(1,3091)	1:A:75:LEU:H	1:A:75:LEU:HB3	17	0.17
(1,3056)	1:B:94:SER:H	1:B:93:ASP:HB2	17	0.17
(1,304)	1:B:22:GLN:HB2	1:B:18:ILE:H	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,304)	1:B:22:GLN:HB3	1:B:18:ILE:H	5	0.17
(1,303)	1:A:22:GLN:HB2	1:A:18:ILE:H	16	0.17
(1,303)	1:A:22:GLN:HB3	1:A:18:ILE:H	16	0.17
(1,280)	1:B:17:LEU:HB2	1:B:21:PHE:H	13	0.17
(1,279)	1:A:17:LEU:HB2	1:A:21:PHE:H	13	0.17
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD22	3	0.17
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD21	3	0.17
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD23	3	0.17
(1,2635)	1:A:43:MET:H	1:A:34:LEU:HD22	3	0.17
(1,2635)	1:A:43:MET:H	1:A:34:LEU:HD21	3	0.17
(1,2635)	1:A:43:MET:H	1:A:34:LEU:HD23	3	0.17
(1,2630)	1:B:69:THR:H	1:B:67:LEU:HB2	17	0.17
(1,2629)	1:A:69:THR:H	1:A:67:LEU:HB2	17	0.17
(1,2280)	1:B:12:ARG:HB2	1:B:12:ARG:HD2	5	0.17
(1,2280)	1:B:12:ARG:HB2	1:B:12:ARG:HD3	5	0.17
(1,2280)	1:B:12:ARG:HB3	1:B:12:ARG:HD2	5	0.17
(1,2280)	1:B:12:ARG:HB3	1:B:12:ARG:HD3	5	0.17
(1,2279)	1:A:12:ARG:HB2	1:A:12:ARG:HD2	5	0.17
(1,2279)	1:A:12:ARG:HB2	1:A:12:ARG:HD3	5	0.17
(1,2279)	1:A:12:ARG:HB3	1:A:12:ARG:HD2	5	0.17
(1,2279)	1:A:12:ARG:HB3	1:A:12:ARG:HD3	5	0.17
(1,2210)	1:B:97:LYS:HA	1:B:97:LYS:HG2	14	0.17
(1,2210)	1:B:97:LYS:HA	1:B:97:LYS:HG3	14	0.17
(1,2209)	1:A:97:LYS:HA	1:A:97:LYS:HG2	14	0.17
(1,2209)	1:A:97:LYS:HA	1:A:97:LYS:HG3	14	0.17
(1,2139)	1:A:27:LYS:HD2	1:A:27:LYS:HB3	19	0.17
(1,2139)	1:A:27:LYS:HD3	1:A:27:LYS:HB3	19	0.17
(1,1944)	1:B:42:PHE:HA	1:B:27:LYS:HE2	13	0.17
(1,1944)	1:B:42:PHE:HA	1:B:27:LYS:HE3	13	0.17
(1,1944)	1:B:42:PHE:HA	1:B:27:LYS:HE2	18	0.17
(1,1944)	1:B:42:PHE:HA	1:B:27:LYS:HE3	18	0.17
(1,1943)	1:A:42:PHE:HA	1:A:27:LYS:HE2	13	0.17
(1,1943)	1:A:42:PHE:HA	1:A:27:LYS:HE3	13	0.17
(1,1943)	1:A:42:PHE:HA	1:A:27:LYS:HE2	18	0.17
(1,1943)	1:A:42:PHE:HA	1:A:27:LYS:HE3	18	0.17
(1,1924)	1:B:62:ARG:HG3	1:B:62:ARG:HA	20	0.17
(1,1923)	1:A:62:ARG:HG3	1:A:62:ARG:HA	20	0.17
(1,1828)	1:B:57:PRO:HD2	1:B:57:PRO:HA	17	0.17
(1,1828)	1:B:57:PRO:HD3	1:B:57:PRO:HA	17	0.17
(1,1827)	1:A:57:PRO:HD2	1:A:57:PRO:HA	17	0.17
(1,1827)	1:A:57:PRO:HD3	1:A:57:PRO:HA	17	0.17
(1,1500)	1:B:18:ILE:HG22	1:B:22:GLN:HG2	19	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1500)	1:B:18:ILE:HG22	1:B:22:GLN:HG3	19	0.17
(1,1500)	1:B:18:ILE:HG21	1:B:22:GLN:HG2	19	0.17
(1,1500)	1:B:18:ILE:HG21	1:B:22:GLN:HG3	19	0.17
(1,1500)	1:B:18:ILE:HG23	1:B:22:GLN:HG2	19	0.17
(1,1500)	1:B:18:ILE:HG23	1:B:22:GLN:HG3	19	0.17
(1,1499)	1:A:18:ILE:HG22	1:A:22:GLN:HG2	19	0.17
(1,1499)	1:A:18:ILE:HG22	1:A:22:GLN:HG3	19	0.17
(1,1499)	1:A:18:ILE:HG21	1:A:22:GLN:HG2	19	0.17
(1,1499)	1:A:18:ILE:HG21	1:A:22:GLN:HG3	19	0.17
(1,1499)	1:A:18:ILE:HG23	1:A:22:GLN:HG2	19	0.17
(1,1499)	1:A:18:ILE:HG23	1:A:22:GLN:HG3	19	0.17
(1,136)	1:B:89:MET:HG2	1:B:85:GLY:HA3	16	0.17
(1,135)	1:A:89:MET:HG2	1:A:85:GLY:HA3	16	0.17
(1,1328)	1:B:34:LEU:HB2	1:B:39:PHE:HB3	5	0.17
(1,1327)	1:A:34:LEU:HB2	1:A:39:PHE:HB3	5	0.17
(1,1327)	1:A:34:LEU:HB2	1:A:39:PHE:HB3	14	0.17
(1,1238)	1:B:62:ARG:HB3	1:B:59:VAL:HA	5	0.17
(1,1237)	1:A:62:ARG:HB3	1:A:59:VAL:HA	5	0.17
(1,1222)	1:B:89:MET:HG2	1:B:88:ALA:HB2	14	0.17
(1,1222)	1:B:89:MET:HG2	1:B:88:ALA:HB1	14	0.17
(1,1222)	1:B:89:MET:HG2	1:B:88:ALA:HB3	14	0.17
(1,1221)	1:A:89:MET:HG2	1:A:88:ALA:HB2	14	0.17
(1,1221)	1:A:89:MET:HG2	1:A:88:ALA:HB1	14	0.17
(1,1221)	1:A:89:MET:HG2	1:A:88:ALA:HB3	14	0.17
(1,1064)	1:B:18:ILE:HA	1:B:21:PHE:HB3	15	0.17
(1,1030)	1:B:38:GLU:HB3	1:B:24:TYR:HB2	11	0.17
(1,1029)	1:A:38:GLU:HB3	1:A:24:TYR:HB2	11	0.17
(3,87)	1:B:46:GLU:N	1:B:42:PHE:O	2	0.16
(3,87)	1:B:46:GLU:N	1:B:42:PHE:O	14	0.16
(3,87)	1:B:46:GLU:N	1:B:42:PHE:O	15	0.16
(3,5)	1:A:13:CYS:N	1:A:9:GLU:O	16	0.16
(3,49)	1:A:92:HIS:N	1:A:88:ALA:O	14	0.16
(3,29)	1:A:46:GLU:N	1:A:42:PHE:O	2	0.16
(3,29)	1:A:46:GLU:N	1:A:42:PHE:O	3	0.16
(3,29)	1:A:46:GLU:N	1:A:42:PHE:O	15	0.16
(3,107)	1:B:92:HIS:N	1:B:88:ALA:O	14	0.16
(2,78)	1:B:61:ASP:HA	1:B:59:VAL:HA	4	0.16
(2,78)	1:B:61:ASP:HA	1:B:59:VAL:HA	16	0.16
(2,77)	1:A:61:ASP:HA	1:A:59:VAL:HA	4	0.16
(2,77)	1:A:61:ASP:HA	1:A:59:VAL:HA	8	0.16
(2,77)	1:A:61:ASP:HA	1:A:59:VAL:HA	16	0.16
(2,57)	1:A:8:THR:HB	1:B:45:THR:HB	19	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,32)	1:B:38:GLU:HA	1:B:34:LEU:HA	7	0.16
(2,32)	1:B:38:GLU:HA	1:B:34:LEU:HA	13	0.16
(2,31)	1:A:38:GLU:HA	1:A:34:LEU:HA	7	0.16
(2,31)	1:A:38:GLU:HA	1:A:34:LEU:HA	13	0.16
(2,28)	1:B:16:SER:HA	1:B:21:PHE:H	7	0.16
(2,28)	1:B:16:SER:HA	1:B:21:PHE:H	15	0.16
(2,27)	1:A:16:SER:HA	1:A:21:PHE:H	7	0.16
(2,27)	1:A:16:SER:HA	1:A:21:PHE:H	15	0.16
(2,124)	1:B:44:ASN:HB2	1:B:48:ALA:H	17	0.16
(2,123)	1:A:44:ASN:HB2	1:A:48:ALA:H	11	0.16
(1,988)	1:B:87:LEU:HB2	1:B:86:GLY:H	2	0.16
(1,988)	1:B:87:LEU:HB2	1:B:86:GLY:H	19	0.16
(1,987)	1:A:87:LEU:HB2	1:A:86:GLY:H	2	0.16
(1,987)	1:A:87:LEU:HB2	1:A:86:GLY:H	19	0.16
(1,985)	1:A:61:ASP:H	1:A:58:GLY:HA3	9	0.16
(1,90)	1:B:15:GLU:HB2	1:A:9:GLU:HG2	2	0.16
(1,90)	1:B:15:GLU:HB2	1:A:9:GLU:HG3	2	0.16
(1,90)	1:B:15:GLU:HB3	1:A:9:GLU:HG2	2	0.16
(1,90)	1:B:15:GLU:HB3	1:A:9:GLU:HG3	2	0.16
(1,90)	1:B:15:GLU:HB2	1:A:9:GLU:HG2	11	0.16
(1,90)	1:B:15:GLU:HB2	1:A:9:GLU:HG3	11	0.16
(1,90)	1:B:15:GLU:HB3	1:A:9:GLU:HG2	11	0.16
(1,90)	1:B:15:GLU:HB3	1:A:9:GLU:HG3	11	0.16
(1,89)	1:A:15:GLU:HB2	1:B:9:GLU:HG2	2	0.16
(1,89)	1:A:15:GLU:HB2	1:B:9:GLU:HG3	2	0.16
(1,89)	1:A:15:GLU:HB3	1:B:9:GLU:HG2	2	0.16
(1,89)	1:A:15:GLU:HB3	1:B:9:GLU:HG3	2	0.16
(1,89)	1:A:15:GLU:HB2	1:B:9:GLU:HG2	11	0.16
(1,89)	1:A:15:GLU:HB2	1:B:9:GLU:HG3	11	0.16
(1,89)	1:A:15:GLU:HB3	1:B:9:GLU:HG2	11	0.16
(1,89)	1:A:15:GLU:HB3	1:B:9:GLU:HG3	11	0.16
(1,89)	1:A:15:GLU:HB2	1:B:9:GLU:HG2	19	0.16
(1,89)	1:A:15:GLU:HB2	1:B:9:GLU:HG3	19	0.16
(1,89)	1:A:15:GLU:HB3	1:B:9:GLU:HG2	19	0.16
(1,89)	1:A:15:GLU:HB3	1:B:9:GLU:HG3	19	0.16
(1,88)	1:B:15:GLU:HB2	1:A:9:GLU:HG2	2	0.16
(1,88)	1:B:15:GLU:HB2	1:A:9:GLU:HG3	2	0.16
(1,88)	1:B:15:GLU:HB3	1:A:9:GLU:HG2	2	0.16
(1,88)	1:B:15:GLU:HB3	1:A:9:GLU:HG3	2	0.16
(1,88)	1:B:15:GLU:HB2	1:A:9:GLU:HG2	11	0.16
(1,88)	1:B:15:GLU:HB2	1:A:9:GLU:HG3	11	0.16
(1,88)	1:B:15:GLU:HB3	1:A:9:GLU:HG2	11	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,88)	1:B:15:GLU:HB3	1:A:9:GLU:HG3	11	0.16
(1,87)	1:A:15:GLU:HB2	1:B:9:GLU:HG2	2	0.16
(1,87)	1:A:15:GLU:HB2	1:B:9:GLU:HG3	2	0.16
(1,87)	1:A:15:GLU:HB3	1:B:9:GLU:HG2	2	0.16
(1,87)	1:A:15:GLU:HB3	1:B:9:GLU:HG3	2	0.16
(1,87)	1:A:15:GLU:HB2	1:B:9:GLU:HG2	11	0.16
(1,87)	1:A:15:GLU:HB2	1:B:9:GLU:HG3	11	0.16
(1,87)	1:A:15:GLU:HB3	1:B:9:GLU:HG2	11	0.16
(1,87)	1:A:15:GLU:HB3	1:B:9:GLU:HG3	11	0.16
(1,87)	1:A:15:GLU:HB2	1:B:9:GLU:HG2	19	0.16
(1,87)	1:A:15:GLU:HB2	1:B:9:GLU:HG3	19	0.16
(1,87)	1:A:15:GLU:HB3	1:B:9:GLU:HG2	19	0.16
(1,87)	1:A:15:GLU:HB3	1:B:9:GLU:HG3	19	0.16
(1,828)	1:B:40:LEU:HA	1:B:39:PHE:HB2	15	0.16
(1,828)	1:B:40:LEU:HA	1:B:39:PHE:HB2	20	0.16
(1,827)	1:A:40:LEU:HA	1:A:39:PHE:HB2	15	0.16
(1,827)	1:A:40:LEU:HA	1:A:39:PHE:HB2	20	0.16
(1,686)	1:B:84:ILE:HB	1:B:83:LEU:HG	5	0.16
(1,686)	1:B:84:ILE:HB	1:B:83:LEU:HG	9	0.16
(1,686)	1:B:84:ILE:HB	1:B:83:LEU:HG	13	0.16
(1,685)	1:A:84:ILE:HB	1:A:83:LEU:HG	5	0.16
(1,685)	1:A:84:ILE:HB	1:A:83:LEU:HG	9	0.16
(1,685)	1:A:84:ILE:HB	1:A:83:LEU:HG	13	0.16
(1,685)	1:A:84:ILE:HB	1:A:83:LEU:HG	19	0.16
(1,622)	1:B:63:MET:H	1:B:62:ARG:HG2	11	0.16
(1,621)	1:A:63:MET:H	1:A:62:ARG:HG2	17	0.16
(1,610)	1:B:63:MET:H	1:B:62:ARG:HG2	1	0.16
(1,610)	1:B:63:MET:H	1:B:62:ARG:HG2	9	0.16
(1,609)	1:A:63:MET:H	1:A:62:ARG:HG2	1	0.16
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD22	5	0.16
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD21	5	0.16
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD23	5	0.16
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD12	5	0.16
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD11	5	0.16
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD13	5	0.16
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD22	5	0.16
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD21	5	0.16
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD23	5	0.16
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD12	5	0.16
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD11	5	0.16
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD13	5	0.16
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG22	6	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG21	6	0.16
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG23	6	0.16
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG12	6	0.16
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG11	6	0.16
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG13	6	0.16
(1,5536)	1:B:23:LYS:H	1:B:20:VAL:HB	19	0.16
(1,5536)	1:B:23:LYS:H	1:B:22:GLN:HG2	19	0.16
(1,5536)	1:B:23:LYS:H	1:B:22:GLN:HG3	19	0.16
(1,5536)	1:B:23:LYS:H	1:B:24:TYR:HB3	19	0.16
(1,5535)	1:A:23:LYS:H	1:A:20:VAL:HB	19	0.16
(1,5535)	1:A:23:LYS:H	1:A:22:GLN:HG2	19	0.16
(1,5535)	1:A:23:LYS:H	1:A:22:GLN:HG3	19	0.16
(1,5535)	1:A:23:LYS:H	1:A:24:TYR:HB3	19	0.16
(1,5530)	1:B:36:LYS:H	1:B:40:LEU:HD22	15	0.16
(1,5530)	1:B:36:LYS:H	1:B:40:LEU:HD21	15	0.16
(1,5530)	1:B:36:LYS:H	1:B:40:LEU:HD23	15	0.16
(1,5530)	1:B:39:PHE:H	1:B:40:LEU:HD22	15	0.16
(1,5530)	1:B:39:PHE:H	1:B:40:LEU:HD21	15	0.16
(1,5530)	1:B:39:PHE:H	1:B:40:LEU:HD23	15	0.16
(1,5529)	1:A:36:LYS:H	1:A:40:LEU:HD22	15	0.16
(1,5529)	1:A:36:LYS:H	1:A:40:LEU:HD21	15	0.16
(1,5529)	1:A:36:LYS:H	1:A:40:LEU:HD23	15	0.16
(1,5529)	1:A:39:PHE:H	1:A:40:LEU:HD22	15	0.16
(1,5529)	1:A:39:PHE:H	1:A:40:LEU:HD21	15	0.16
(1,5529)	1:A:39:PHE:H	1:A:40:LEU:HD23	15	0.16
(1,5496)	1:B:59:VAL:H	1:B:61:ASP:HB2	19	0.16
(1,5496)	1:B:59:VAL:H	1:B:61:ASP:HB3	19	0.16
(1,5496)	1:B:90:ALA:H	1:B:89:MET:HG2	19	0.16
(1,5496)	1:B:90:ALA:H	1:B:93:ASP:HB2	19	0.16
(1,5495)	1:A:59:VAL:H	1:A:61:ASP:HB2	19	0.16
(1,5495)	1:A:59:VAL:H	1:A:61:ASP:HB3	19	0.16
(1,5495)	1:A:90:ALA:H	1:A:89:MET:HG2	19	0.16
(1,5495)	1:A:90:ALA:H	1:A:93:ASP:HB2	19	0.16
(1,5480)	1:B:86:GLY:H	1:B:67:LEU:HD22	18	0.16
(1,5480)	1:B:86:GLY:H	1:B:67:LEU:HD21	18	0.16
(1,5480)	1:B:86:GLY:H	1:B:67:LEU:HD23	18	0.16
(1,5480)	1:B:86:GLY:H	1:B:67:LEU:HD12	18	0.16
(1,5480)	1:B:86:GLY:H	1:B:67:LEU:HD11	18	0.16
(1,5480)	1:B:86:GLY:H	1:B:67:LEU:HD13	18	0.16
(1,5480)	1:B:86:GLY:H	1:B:83:LEU:HD22	18	0.16
(1,5480)	1:B:86:GLY:H	1:B:83:LEU:HD21	18	0.16
(1,5480)	1:B:86:GLY:H	1:B:83:LEU:HD23	18	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG22	8	0.16
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG21	8	0.16
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG23	8	0.16
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD12	8	0.16
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD11	8	0.16
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD13	8	0.16
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD22	8	0.16
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD21	8	0.16
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD23	8	0.16
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG22	10	0.16
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG21	10	0.16
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG23	10	0.16
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD12	10	0.16
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD11	10	0.16
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD13	10	0.16
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD22	10	0.16
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD21	10	0.16
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD23	10	0.16
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG22	11	0.16
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG21	11	0.16
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG23	11	0.16
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD12	11	0.16
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD11	11	0.16
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD13	11	0.16
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD22	11	0.16
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD21	11	0.16
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD23	11	0.16
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG22	17	0.16
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG21	17	0.16
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG23	17	0.16
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD12	17	0.16
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD11	17	0.16
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD13	17	0.16
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD22	17	0.16
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD21	17	0.16
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD23	17	0.16
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG22	10	0.16
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG21	10	0.16
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG23	10	0.16
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD12	10	0.16
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD11	10	0.16
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD13	10	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD22	10	0.16
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD21	10	0.16
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD23	10	0.16
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG22	11	0.16
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG21	11	0.16
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG23	11	0.16
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD12	11	0.16
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD11	11	0.16
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD13	11	0.16
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD22	11	0.16
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD21	11	0.16
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD23	11	0.16
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG22	19	0.16
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG21	19	0.16
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG23	19	0.16
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD12	19	0.16
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD11	19	0.16
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD13	19	0.16
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD22	19	0.16
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD21	19	0.16
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD23	19	0.16
(1,5332)	1:B:21:PHE:H	1:B:18:ILE:HG22	6	0.16
(1,5332)	1:B:21:PHE:H	1:B:18:ILE:HG21	6	0.16
(1,5332)	1:B:21:PHE:H	1:B:18:ILE:HG23	6	0.16
(1,5332)	1:B:21:PHE:H	1:B:81:LEU:HD22	6	0.16
(1,5332)	1:B:21:PHE:H	1:B:81:LEU:HD21	6	0.16
(1,5332)	1:B:21:PHE:H	1:B:81:LEU:HD23	6	0.16
(1,5331)	1:A:21:PHE:H	1:A:18:ILE:HG22	6	0.16
(1,5331)	1:A:21:PHE:H	1:A:18:ILE:HG21	6	0.16
(1,5331)	1:A:21:PHE:H	1:A:18:ILE:HG23	6	0.16
(1,5331)	1:A:21:PHE:H	1:A:81:LEU:HD22	6	0.16
(1,5331)	1:A:21:PHE:H	1:A:81:LEU:HD21	6	0.16
(1,5331)	1:A:21:PHE:H	1:A:81:LEU:HD23	6	0.16
(1,5328)	1:B:99:VAL:H	1:B:96:LEU:HD22	13	0.16
(1,5328)	1:B:99:VAL:H	1:B:96:LEU:HD21	13	0.16
(1,5328)	1:B:99:VAL:H	1:B:96:LEU:HD23	13	0.16
(1,5328)	1:B:99:VAL:H	1:B:96:LEU:HD12	13	0.16
(1,5328)	1:B:99:VAL:H	1:B:96:LEU:HD11	13	0.16
(1,5328)	1:B:99:VAL:H	1:B:96:LEU:HD13	13	0.16
(1,5292)	1:B:94:SER:H	1:B:96:LEU:HB3	3	0.16
(1,5292)	1:B:94:SER:H	1:B:96:LEU:HG	3	0.16
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB2	3	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB1	3	0.16
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB3	3	0.16
(1,5292)	1:B:94:SER:H	1:B:96:LEU:HB3	5	0.16
(1,5292)	1:B:94:SER:H	1:B:96:LEU:HG	5	0.16
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB2	5	0.16
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB1	5	0.16
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB3	5	0.16
(1,5292)	1:B:94:SER:H	1:B:96:LEU:HB3	10	0.16
(1,5292)	1:B:94:SER:H	1:B:96:LEU:HG	10	0.16
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB2	10	0.16
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB1	10	0.16
(1,5292)	1:B:94:SER:H	1:B:98:ALA:HB3	10	0.16
(1,5291)	1:A:94:SER:H	1:A:96:LEU:HB3	3	0.16
(1,5291)	1:A:94:SER:H	1:A:96:LEU:HG	3	0.16
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB2	3	0.16
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB1	3	0.16
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB3	3	0.16
(1,5291)	1:A:94:SER:H	1:A:96:LEU:HB3	5	0.16
(1,5291)	1:A:94:SER:H	1:A:96:LEU:HG	5	0.16
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB2	5	0.16
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB1	5	0.16
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB3	5	0.16
(1,5291)	1:A:94:SER:H	1:A:96:LEU:HB3	10	0.16
(1,5291)	1:A:94:SER:H	1:A:96:LEU:HG	10	0.16
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB2	10	0.16
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB1	10	0.16
(1,5291)	1:A:94:SER:H	1:A:98:ALA:HB3	10	0.16
(1,5196)	1:B:73:GLY:H	1:B:75:LEU:HB3	3	0.16
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG21	3	0.16
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG22	3	0.16
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG23	3	0.16
(1,5196)	1:B:73:GLY:H	1:B:75:LEU:HB3	8	0.16
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG21	8	0.16
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG22	8	0.16
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG23	8	0.16
(1,5196)	1:B:73:GLY:H	1:B:75:LEU:HB3	12	0.16
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG21	12	0.16
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG22	12	0.16
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG23	12	0.16
(1,5061)	1:A:52:LYS:HG2	1:A:52:LYS:HA	3	0.16
(1,5061)	1:A:52:LYS:HG3	1:A:52:LYS:HA	3	0.16
(1,5061)	1:A:66:LYS:HG2	1:A:66:LYS:HA	3	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5061)	1:A:66:LYS:HG3	1:A:66:LYS:HA	3	0.16
(1,5030)	1:B:62:ARG:HG3	1:B:62:ARG:HA	8	0.16
(1,5030)	1:B:65:LYS:HG2	1:B:65:LYS:HA	8	0.16
(1,5030)	1:B:65:LYS:HG3	1:B:65:LYS:HA	8	0.16
(1,5029)	1:A:62:ARG:HG3	1:A:62:ARG:HA	8	0.16
(1,5029)	1:A:65:LYS:HG2	1:A:65:LYS:HA	8	0.16
(1,5029)	1:A:65:LYS:HG3	1:A:65:LYS:HA	8	0.16
(1,5020)	1:B:69:THR:HG21	1:B:69:THR:HA	9	0.16
(1,5020)	1:B:69:THR:HG22	1:B:69:THR:HA	9	0.16
(1,5020)	1:B:69:THR:HG23	1:B:69:THR:HA	9	0.16
(1,5020)	1:B:20:VAL:HG12	1:B:16:SER:HB3	9	0.16
(1,5020)	1:B:20:VAL:HG11	1:B:16:SER:HB3	9	0.16
(1,5020)	1:B:20:VAL:HG13	1:B:16:SER:HB3	9	0.16
(1,5020)	1:B:20:VAL:HA	1:B:20:VAL:HG12	9	0.16
(1,5020)	1:B:20:VAL:HA	1:B:20:VAL:HG11	9	0.16
(1,5020)	1:B:20:VAL:HA	1:B:20:VAL:HG13	9	0.16
(1,5020)	1:B:69:THR:HG21	1:B:69:THR:HA	15	0.16
(1,5020)	1:B:69:THR:HG22	1:B:69:THR:HA	15	0.16
(1,5020)	1:B:69:THR:HG23	1:B:69:THR:HA	15	0.16
(1,5020)	1:B:20:VAL:HG12	1:B:16:SER:HB3	15	0.16
(1,5020)	1:B:20:VAL:HG11	1:B:16:SER:HB3	15	0.16
(1,5020)	1:B:20:VAL:HG13	1:B:16:SER:HB3	15	0.16
(1,5020)	1:B:20:VAL:HA	1:B:20:VAL:HG12	15	0.16
(1,5020)	1:B:20:VAL:HA	1:B:20:VAL:HG11	15	0.16
(1,5020)	1:B:20:VAL:HA	1:B:20:VAL:HG13	15	0.16
(1,5019)	1:A:69:THR:HG21	1:A:69:THR:HA	9	0.16
(1,5019)	1:A:69:THR:HG22	1:A:69:THR:HA	9	0.16
(1,5019)	1:A:69:THR:HG23	1:A:69:THR:HA	9	0.16
(1,5019)	1:A:20:VAL:HG12	1:A:16:SER:HB3	9	0.16
(1,5019)	1:A:20:VAL:HG11	1:A:16:SER:HB3	9	0.16
(1,5019)	1:A:20:VAL:HG13	1:A:16:SER:HB3	9	0.16
(1,5019)	1:A:20:VAL:HA	1:A:20:VAL:HG12	9	0.16
(1,5019)	1:A:20:VAL:HA	1:A:20:VAL:HG11	9	0.16
(1,5019)	1:A:20:VAL:HA	1:A:20:VAL:HG13	9	0.16
(1,5019)	1:A:69:THR:HG21	1:A:69:THR:HA	15	0.16
(1,5019)	1:A:69:THR:HG22	1:A:69:THR:HA	15	0.16
(1,5019)	1:A:69:THR:HG23	1:A:69:THR:HA	15	0.16
(1,5019)	1:A:20:VAL:HG12	1:A:16:SER:HB3	15	0.16
(1,5019)	1:A:20:VAL:HG11	1:A:16:SER:HB3	15	0.16
(1,5019)	1:A:20:VAL:HG13	1:A:16:SER:HB3	15	0.16
(1,5019)	1:A:20:VAL:HA	1:A:20:VAL:HG12	15	0.16
(1,5019)	1:A:20:VAL:HA	1:A:20:VAL:HG11	15	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5019)	1:A:20:VAL:HA	1:A:20:VAL:HG13	15	0.16
(1,4973)	1:A:83:LEU:HD22	1:A:80:PHE:HA	15	0.16
(1,4973)	1:A:83:LEU:HD21	1:A:80:PHE:HA	15	0.16
(1,4973)	1:A:83:LEU:HD23	1:A:80:PHE:HA	15	0.16
(1,4973)	1:A:83:LEU:HA	1:A:83:LEU:HD22	15	0.16
(1,4973)	1:A:83:LEU:HA	1:A:83:LEU:HD21	15	0.16
(1,4973)	1:A:83:LEU:HA	1:A:83:LEU:HD23	15	0.16
(1,4973)	1:A:37:THR:HA	1:A:40:LEU:HD22	15	0.16
(1,4973)	1:A:37:THR:HA	1:A:40:LEU:HD21	15	0.16
(1,4973)	1:A:37:THR:HA	1:A:40:LEU:HD23	15	0.16
(1,4882)	1:B:37:THR:HG21	1:B:40:LEU:HB2	12	0.16
(1,4882)	1:B:37:THR:HG22	1:B:40:LEU:HB2	12	0.16
(1,4882)	1:B:37:THR:HG23	1:B:40:LEU:HB2	12	0.16
(1,4882)	1:B:37:THR:HG21	1:B:40:LEU:HG	12	0.16
(1,4882)	1:B:37:THR:HG22	1:B:40:LEU:HG	12	0.16
(1,4882)	1:B:37:THR:HG23	1:B:40:LEU:HG	12	0.16
(1,4846)	1:B:52:LYS:HE2	1:B:50:PHE:HB2	13	0.16
(1,4846)	1:B:52:LYS:HE2	1:B:50:PHE:HB3	13	0.16
(1,4846)	1:B:52:LYS:HE3	1:B:50:PHE:HB2	13	0.16
(1,4846)	1:B:52:LYS:HE3	1:B:50:PHE:HB3	13	0.16
(1,4846)	1:B:66:LYS:HE2	1:B:50:PHE:HB2	13	0.16
(1,4846)	1:B:66:LYS:HE2	1:B:50:PHE:HB3	13	0.16
(1,4846)	1:B:66:LYS:HE3	1:B:50:PHE:HB2	13	0.16
(1,4846)	1:B:66:LYS:HE3	1:B:50:PHE:HB3	13	0.16
(1,4846)	1:B:66:LYS:HE2	1:B:62:ARG:HD3	13	0.16
(1,4846)	1:B:66:LYS:HE3	1:B:62:ARG:HD3	13	0.16
(1,4846)	1:B:97:LYS:HE2	1:B:95:PHE:HB2	13	0.16
(1,4846)	1:B:97:LYS:HE2	1:B:95:PHE:HB3	13	0.16
(1,4846)	1:B:97:LYS:HE3	1:B:95:PHE:HB2	13	0.16
(1,4846)	1:B:97:LYS:HE3	1:B:95:PHE:HB3	13	0.16
(1,4845)	1:A:52:LYS:HE2	1:A:50:PHE:HB2	13	0.16
(1,4845)	1:A:52:LYS:HE2	1:A:50:PHE:HB3	13	0.16
(1,4845)	1:A:52:LYS:HE3	1:A:50:PHE:HB2	13	0.16
(1,4845)	1:A:52:LYS:HE3	1:A:50:PHE:HB3	13	0.16
(1,4845)	1:A:66:LYS:HE2	1:A:50:PHE:HB2	13	0.16
(1,4845)	1:A:66:LYS:HE2	1:A:50:PHE:HB3	13	0.16
(1,4845)	1:A:66:LYS:HE3	1:A:50:PHE:HB2	13	0.16
(1,4845)	1:A:66:LYS:HE3	1:A:50:PHE:HB3	13	0.16
(1,4845)	1:A:66:LYS:HE2	1:A:62:ARG:HD3	13	0.16
(1,4845)	1:A:66:LYS:HE3	1:A:62:ARG:HD3	13	0.16
(1,4845)	1:A:97:LYS:HE2	1:A:95:PHE:HB2	13	0.16
(1,4845)	1:A:97:LYS:HE2	1:A:95:PHE:HB3	13	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4845)	1:A:97:LYS:HE3	1:A:95:PHE:HB2	13	0.16
(1,4845)	1:A:97:LYS:HE3	1:A:95:PHE:HB3	13	0.16
(1,4782)	1:B:8:THR:HB	1:B:7:PRO:HG2	20	0.16
(1,4782)	1:B:8:THR:HB	1:B:7:PRO:HG3	20	0.16
(1,4782)	1:B:74:GLN:HA	1:B:40:LEU:HG	20	0.16
(1,4781)	1:A:8:THR:HB	1:A:7:PRO:HG2	20	0.16
(1,4781)	1:A:8:THR:HB	1:A:7:PRO:HG3	20	0.16
(1,4781)	1:A:74:GLN:HA	1:A:40:LEU:HG	20	0.16
(1,4734)	1:B:8:THR:HG21	1:A:46:GLU:HB2	9	0.16
(1,4734)	1:B:8:THR:HG22	1:A:46:GLU:HB2	9	0.16
(1,4734)	1:B:8:THR:HG23	1:A:46:GLU:HB2	9	0.16
(1,4734)	1:B:20:VAL:HG22	1:B:46:GLU:HB2	9	0.16
(1,4734)	1:B:20:VAL:HG21	1:B:46:GLU:HB2	9	0.16
(1,4734)	1:B:20:VAL:HG23	1:B:46:GLU:HB2	9	0.16
(1,4710)	1:B:9:GLU:HB2	1:B:12:ARG:HG2	4	0.16
(1,4710)	1:B:9:GLU:HB3	1:B:12:ARG:HG2	4	0.16
(1,4710)	1:B:15:GLU:HB2	1:B:18:ILE:HB	4	0.16
(1,4710)	1:B:15:GLU:HB3	1:B:18:ILE:HB	4	0.16
(1,4710)	1:B:9:GLU:HB2	1:B:12:ARG:HG2	6	0.16
(1,4710)	1:B:9:GLU:HB3	1:B:12:ARG:HG2	6	0.16
(1,4710)	1:B:15:GLU:HB2	1:B:18:ILE:HB	6	0.16
(1,4710)	1:B:15:GLU:HB3	1:B:18:ILE:HB	6	0.16
(1,4709)	1:A:9:GLU:HB2	1:A:12:ARG:HG2	4	0.16
(1,4709)	1:A:9:GLU:HB3	1:A:12:ARG:HG2	4	0.16
(1,4709)	1:A:15:GLU:HB2	1:A:18:ILE:HB	4	0.16
(1,4709)	1:A:15:GLU:HB3	1:A:18:ILE:HB	4	0.16
(1,4709)	1:A:9:GLU:HB2	1:A:12:ARG:HG2	6	0.16
(1,4709)	1:A:9:GLU:HB3	1:A:12:ARG:HG2	6	0.16
(1,4709)	1:A:15:GLU:HB2	1:A:18:ILE:HB	6	0.16
(1,4709)	1:A:15:GLU:HB3	1:A:18:ILE:HB	6	0.16
(1,4688)	1:B:17:LEU:HD22	1:B:21:PHE:H	5	0.16
(1,4688)	1:B:17:LEU:HD21	1:B:21:PHE:H	5	0.16
(1,4688)	1:B:17:LEU:HD23	1:B:21:PHE:H	5	0.16
(1,4688)	1:B:38:GLU:H	1:B:40:LEU:HD22	5	0.16
(1,4688)	1:B:38:GLU:H	1:B:40:LEU:HD21	5	0.16
(1,4688)	1:B:38:GLU:H	1:B:40:LEU:HD23	5	0.16
(1,4688)	1:B:41:SER:H	1:B:40:LEU:HD22	5	0.16
(1,4688)	1:B:41:SER:H	1:B:40:LEU:HD21	5	0.16
(1,4688)	1:B:41:SER:H	1:B:40:LEU:HD23	5	0.16
(1,4688)	1:B:61:ASP:H	1:B:40:LEU:HD22	5	0.16
(1,4688)	1:B:61:ASP:H	1:B:40:LEU:HD21	5	0.16
(1,4688)	1:B:61:ASP:H	1:B:40:LEU:HD23	5	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4688)	1:B:61:ASP:H	1:B:60:LEU:HD22	5	0.16
(1,4688)	1:B:61:ASP:H	1:B:60:LEU:HD21	5	0.16
(1,4688)	1:B:61:ASP:H	1:B:60:LEU:HD23	5	0.16
(1,4688)	1:B:17:LEU:HD22	1:B:21:PHE:H	11	0.16
(1,4688)	1:B:17:LEU:HD21	1:B:21:PHE:H	11	0.16
(1,4688)	1:B:17:LEU:HD23	1:B:21:PHE:H	11	0.16
(1,4688)	1:B:38:GLU:H	1:B:40:LEU:HD22	11	0.16
(1,4688)	1:B:38:GLU:H	1:B:40:LEU:HD21	11	0.16
(1,4688)	1:B:38:GLU:H	1:B:40:LEU:HD23	11	0.16
(1,4688)	1:B:41:SER:H	1:B:40:LEU:HD22	11	0.16
(1,4688)	1:B:41:SER:H	1:B:40:LEU:HD21	11	0.16
(1,4688)	1:B:41:SER:H	1:B:40:LEU:HD23	11	0.16
(1,4688)	1:B:61:ASP:H	1:B:40:LEU:HD22	11	0.16
(1,4688)	1:B:61:ASP:H	1:B:40:LEU:HD21	11	0.16
(1,4688)	1:B:61:ASP:H	1:B:40:LEU:HD23	11	0.16
(1,4688)	1:B:61:ASP:H	1:B:60:LEU:HD22	11	0.16
(1,4688)	1:B:61:ASP:H	1:B:60:LEU:HD21	11	0.16
(1,4688)	1:B:61:ASP:H	1:B:60:LEU:HD23	11	0.16
(1,4687)	1:A:17:LEU:HD22	1:A:21:PHE:H	11	0.16
(1,4687)	1:A:17:LEU:HD21	1:A:21:PHE:H	11	0.16
(1,4687)	1:A:17:LEU:HD23	1:A:21:PHE:H	11	0.16
(1,4687)	1:A:38:GLU:H	1:A:40:LEU:HD22	11	0.16
(1,4687)	1:A:38:GLU:H	1:A:40:LEU:HD21	11	0.16
(1,4687)	1:A:38:GLU:H	1:A:40:LEU:HD23	11	0.16
(1,4687)	1:A:41:SER:H	1:A:40:LEU:HD22	11	0.16
(1,4687)	1:A:41:SER:H	1:A:40:LEU:HD21	11	0.16
(1,4687)	1:A:41:SER:H	1:A:40:LEU:HD23	11	0.16
(1,4687)	1:A:61:ASP:H	1:A:40:LEU:HD22	11	0.16
(1,4687)	1:A:61:ASP:H	1:A:40:LEU:HD21	11	0.16
(1,4687)	1:A:61:ASP:H	1:A:40:LEU:HD23	11	0.16
(1,4687)	1:A:61:ASP:H	1:A:60:LEU:HD22	11	0.16
(1,4687)	1:A:61:ASP:H	1:A:60:LEU:HD21	11	0.16
(1,4687)	1:A:61:ASP:H	1:A:60:LEU:HD23	11	0.16
(1,4676)	1:B:63:MET:HG3	1:B:63:MET:HA	19	0.16
(1,4676)	1:B:89:MET:HG3	1:A:78:SER:HB2	19	0.16
(1,4676)	1:B:89:MET:HG3	1:A:78:SER:HB3	19	0.16
(1,4652)	1:B:37:THR:HG21	1:B:41:SER:H	17	0.16
(1,4652)	1:B:37:THR:HG22	1:B:41:SER:H	17	0.16
(1,4652)	1:B:37:THR:HG23	1:B:41:SER:H	17	0.16
(1,4652)	1:B:71:SER:H	1:B:69:THR:HG21	17	0.16
(1,4652)	1:B:71:SER:H	1:B:69:THR:HG22	17	0.16
(1,4652)	1:B:71:SER:H	1:B:69:THR:HG23	17	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4651)	1:A:37:THR:HG21	1:A:41:SER:H	7	0.16
(1,4651)	1:A:37:THR:HG22	1:A:41:SER:H	7	0.16
(1,4651)	1:A:37:THR:HG23	1:A:41:SER:H	7	0.16
(1,4651)	1:A:71:SER:H	1:A:69:THR:HG21	7	0.16
(1,4651)	1:A:71:SER:H	1:A:69:THR:HG22	7	0.16
(1,4651)	1:A:71:SER:H	1:A:69:THR:HG23	7	0.16
(1,4651)	1:A:37:THR:HG21	1:A:41:SER:H	17	0.16
(1,4651)	1:A:37:THR:HG22	1:A:41:SER:H	17	0.16
(1,4651)	1:A:37:THR:HG23	1:A:41:SER:H	17	0.16
(1,4651)	1:A:71:SER:H	1:A:69:THR:HG21	17	0.16
(1,4651)	1:A:71:SER:H	1:A:69:THR:HG22	17	0.16
(1,4651)	1:A:71:SER:H	1:A:69:THR:HG23	17	0.16
(1,464)	1:B:68:ASP:HB2	1:B:33:THR:HG21	11	0.16
(1,464)	1:B:68:ASP:HB2	1:B:33:THR:HG22	11	0.16
(1,464)	1:B:68:ASP:HB2	1:B:33:THR:HG23	11	0.16
(1,464)	1:B:68:ASP:HB2	1:B:33:THR:HG21	15	0.16
(1,464)	1:B:68:ASP:HB2	1:B:33:THR:HG22	15	0.16
(1,464)	1:B:68:ASP:HB2	1:B:33:THR:HG23	15	0.16
(1,463)	1:A:68:ASP:HB2	1:A:33:THR:HG21	11	0.16
(1,463)	1:A:68:ASP:HB2	1:A:33:THR:HG22	11	0.16
(1,463)	1:A:68:ASP:HB2	1:A:33:THR:HG23	11	0.16
(1,463)	1:A:68:ASP:HB2	1:A:33:THR:HG21	15	0.16
(1,463)	1:A:68:ASP:HB2	1:A:33:THR:HG22	15	0.16
(1,463)	1:A:68:ASP:HB2	1:A:33:THR:HG23	15	0.16
(1,4516)	1:B:48:ALA:HA	1:B:50:PHE:HB2	9	0.16
(1,4516)	1:B:48:ALA:HA	1:B:50:PHE:HB3	9	0.16
(1,4516)	1:B:49:ALA:HA	1:B:50:PHE:HB2	9	0.16
(1,4516)	1:B:49:ALA:HA	1:B:50:PHE:HB3	9	0.16
(1,4516)	1:B:94:SER:HB2	1:B:95:PHE:HB2	9	0.16
(1,4516)	1:B:94:SER:HB2	1:B:95:PHE:HB3	9	0.16
(1,4516)	1:B:94:SER:HB3	1:B:95:PHE:HB2	9	0.16
(1,4516)	1:B:94:SER:HB3	1:B:95:PHE:HB3	9	0.16
(1,4516)	1:B:48:ALA:HA	1:B:50:PHE:HB2	11	0.16
(1,4516)	1:B:48:ALA:HA	1:B:50:PHE:HB3	11	0.16
(1,4516)	1:B:49:ALA:HA	1:B:50:PHE:HB2	11	0.16
(1,4516)	1:B:49:ALA:HA	1:B:50:PHE:HB3	11	0.16
(1,4516)	1:B:94:SER:HB2	1:B:95:PHE:HB2	11	0.16
(1,4516)	1:B:94:SER:HB2	1:B:95:PHE:HB3	11	0.16
(1,4516)	1:B:94:SER:HB3	1:B:95:PHE:HB2	11	0.16
(1,4516)	1:B:94:SER:HB3	1:B:95:PHE:HB3	11	0.16
(1,4515)	1:A:48:ALA:HA	1:A:50:PHE:HB2	9	0.16
(1,4515)	1:A:48:ALA:HA	1:A:50:PHE:HB3	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4515)	1:A:49:ALA:HA	1:A:50:PHE:HB2	9	0.16
(1,4515)	1:A:49:ALA:HA	1:A:50:PHE:HB3	9	0.16
(1,4515)	1:A:94:SER:HB2	1:A:95:PHE:HB2	9	0.16
(1,4515)	1:A:94:SER:HB2	1:A:95:PHE:HB3	9	0.16
(1,4515)	1:A:94:SER:HB3	1:A:95:PHE:HB2	9	0.16
(1,4515)	1:A:94:SER:HB3	1:A:95:PHE:HB3	9	0.16
(1,4515)	1:A:48:ALA:HA	1:A:50:PHE:HB2	11	0.16
(1,4515)	1:A:48:ALA:HA	1:A:50:PHE:HB3	11	0.16
(1,4515)	1:A:49:ALA:HA	1:A:50:PHE:HB2	11	0.16
(1,4515)	1:A:49:ALA:HA	1:A:50:PHE:HB3	11	0.16
(1,4515)	1:A:94:SER:HB2	1:A:95:PHE:HB2	11	0.16
(1,4515)	1:A:94:SER:HB2	1:A:95:PHE:HB3	11	0.16
(1,4515)	1:A:94:SER:HB3	1:A:95:PHE:HB2	11	0.16
(1,4515)	1:A:94:SER:HB3	1:A:95:PHE:HB3	11	0.16
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD22	11	0.16
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD21	11	0.16
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD23	11	0.16
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD22	11	0.16
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD21	11	0.16
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD23	11	0.16
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD22	11	0.16
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD21	11	0.16
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD23	11	0.16
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD12	11	0.16
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD11	11	0.16
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD13	11	0.16
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD12	11	0.16
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD11	11	0.16
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD13	11	0.16
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD12	11	0.16
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD11	11	0.16
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD13	11	0.16
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD22	11	0.16
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD21	11	0.16
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD23	11	0.16
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD22	11	0.16
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD21	11	0.16
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD23	11	0.16
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD22	11	0.16
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD21	11	0.16
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD23	11	0.16
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD12	11	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD11	11	0.16
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD13	11	0.16
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD12	11	0.16
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD11	11	0.16
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD13	11	0.16
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD12	11	0.16
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD11	11	0.16
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD13	11	0.16
(1,4342)	1:B:41:SER:H	1:B:60:LEU:HD12	1	0.16
(1,4342)	1:B:41:SER:H	1:B:60:LEU:HD11	1	0.16
(1,4342)	1:B:41:SER:H	1:B:60:LEU:HD13	1	0.16
(1,4342)	1:B:83:LEU:HD12	1:B:86:GLY:H	1	0.16
(1,4342)	1:B:83:LEU:HD11	1:B:86:GLY:H	1	0.16
(1,4342)	1:B:83:LEU:HD13	1:B:86:GLY:H	1	0.16
(1,4342)	1:B:41:SER:H	1:B:60:LEU:HD12	10	0.16
(1,4342)	1:B:41:SER:H	1:B:60:LEU:HD11	10	0.16
(1,4342)	1:B:41:SER:H	1:B:60:LEU:HD13	10	0.16
(1,4342)	1:B:83:LEU:HD12	1:B:86:GLY:H	10	0.16
(1,4342)	1:B:83:LEU:HD11	1:B:86:GLY:H	10	0.16
(1,4342)	1:B:83:LEU:HD13	1:B:86:GLY:H	10	0.16
(1,4341)	1:A:41:SER:H	1:A:60:LEU:HD12	1	0.16
(1,4341)	1:A:41:SER:H	1:A:60:LEU:HD11	1	0.16
(1,4341)	1:A:41:SER:H	1:A:60:LEU:HD13	1	0.16
(1,4341)	1:A:83:LEU:HD12	1:A:86:GLY:H	1	0.16
(1,4341)	1:A:83:LEU:HD11	1:A:86:GLY:H	1	0.16
(1,4341)	1:A:83:LEU:HD13	1:A:86:GLY:H	1	0.16
(1,4341)	1:A:41:SER:H	1:A:60:LEU:HD12	10	0.16
(1,4341)	1:A:41:SER:H	1:A:60:LEU:HD11	10	0.16
(1,4341)	1:A:41:SER:H	1:A:60:LEU:HD13	10	0.16
(1,4341)	1:A:83:LEU:HD12	1:A:86:GLY:H	10	0.16
(1,4341)	1:A:83:LEU:HD11	1:A:86:GLY:H	10	0.16
(1,4341)	1:A:83:LEU:HD13	1:A:86:GLY:H	10	0.16
(1,4334)	1:B:74:GLN:HB3	1:B:68:ASP:HB2	9	0.16
(1,4334)	1:B:18:ILE:HB	1:B:21:PHE:HB2	9	0.16
(1,4334)	1:B:64:MET:HB3	1:B:68:ASP:HB2	9	0.16
(1,4334)	1:B:68:ASP:HB2	1:B:67:LEU:HB2	9	0.16
(1,4334)	1:B:74:GLN:HB3	1:B:68:ASP:HB2	15	0.16
(1,4334)	1:B:18:ILE:HB	1:B:21:PHE:HB2	15	0.16
(1,4334)	1:B:64:MET:HB3	1:B:68:ASP:HB2	15	0.16
(1,4334)	1:B:68:ASP:HB2	1:B:67:LEU:HB2	15	0.16
(1,4333)	1:A:74:GLN:HB3	1:A:68:ASP:HB2	9	0.16
(1,4333)	1:A:18:ILE:HB	1:A:21:PHE:HB2	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4333)	1:A:64:MET:HB3	1:A:68:ASP:HB2	9	0.16
(1,4333)	1:A:68:ASP:HB2	1:A:67:LEU:HB2	9	0.16
(1,4333)	1:A:74:GLN:HB3	1:A:68:ASP:HB2	15	0.16
(1,4333)	1:A:18:ILE:HB	1:A:21:PHE:HB2	15	0.16
(1,4333)	1:A:64:MET:HB3	1:A:68:ASP:HB2	15	0.16
(1,4333)	1:A:68:ASP:HB2	1:A:67:LEU:HB2	15	0.16
(1,4316)	1:B:22:GLN:HA	1:B:19:ALA:HA	7	0.16
(1,4316)	1:B:25:ALA:HA	1:B:22:GLN:HA	7	0.16
(1,4316)	1:B:22:GLN:HA	1:B:26:GLY:HA2	7	0.16
(1,4316)	1:B:37:THR:HA	1:B:40:LEU:HA	7	0.16
(1,4315)	1:A:22:GLN:HA	1:A:19:ALA:HA	7	0.16
(1,4315)	1:A:25:ALA:HA	1:A:22:GLN:HA	7	0.16
(1,4315)	1:A:22:GLN:HA	1:A:26:GLY:HA2	7	0.16
(1,4315)	1:A:37:THR:HA	1:A:40:LEU:HA	7	0.16
(1,4246)	1:B:89:MET:HB2	1:B:85:GLY:H	19	0.16
(1,4246)	1:B:89:MET:HB3	1:B:85:GLY:H	19	0.16
(1,4246)	1:B:100:PRO:HB2	1:A:22:GLN:H	19	0.16
(1,4245)	1:A:89:MET:HB2	1:A:85:GLY:H	19	0.16
(1,4245)	1:A:89:MET:HB3	1:A:85:GLY:H	19	0.16
(1,4245)	1:A:100:PRO:HB2	1:B:22:GLN:H	19	0.16
(1,4234)	1:B:68:ASP:HB2	1:B:65:LYS:HB2	3	0.16
(1,4234)	1:B:68:ASP:HB2	1:B:65:LYS:HB3	3	0.16
(1,4234)	1:B:68:ASP:HB2	1:B:65:LYS:HD2	3	0.16
(1,4234)	1:B:68:ASP:HB2	1:B:65:LYS:HD3	3	0.16
(1,4233)	1:A:68:ASP:HB2	1:A:65:LYS:HB2	3	0.16
(1,4233)	1:A:68:ASP:HB2	1:A:65:LYS:HB3	3	0.16
(1,4233)	1:A:68:ASP:HB2	1:A:65:LYS:HD2	3	0.16
(1,4233)	1:A:68:ASP:HB2	1:A:65:LYS:HD3	3	0.16
(1,4226)	1:B:63:MET:HA	1:B:64:MET:HA	6	0.16
(1,4226)	1:B:65:LYS:HA	1:B:64:MET:HA	6	0.16
(1,4226)	1:B:65:LYS:HA	1:B:73:GLY:HA3	6	0.16
(1,4226)	1:B:71:SER:HA	1:B:73:GLY:HA3	6	0.16
(1,4225)	1:A:63:MET:HA	1:A:64:MET:HA	6	0.16
(1,4225)	1:A:65:LYS:HA	1:A:64:MET:HA	6	0.16
(1,4225)	1:A:65:LYS:HA	1:A:73:GLY:HA3	6	0.16
(1,4225)	1:A:71:SER:HA	1:A:73:GLY:HA3	6	0.16
(1,4201)	1:A:42:PHE:HB3	1:A:20:VAL:HG22	9	0.16
(1,4201)	1:A:42:PHE:HB3	1:A:20:VAL:HG21	9	0.16
(1,4201)	1:A:42:PHE:HB3	1:A:20:VAL:HG23	9	0.16
(1,4201)	1:A:42:PHE:HB3	1:A:34:LEU:HG	9	0.16
(1,4201)	1:A:11:GLU:HG2	1:A:8:THR:HG21	9	0.16
(1,4201)	1:A:11:GLU:HG2	1:A:8:THR:HG22	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4201)	1:A:11:GLU:HG2	1:A:8:THR:HG23	9	0.16
(1,4200)	1:B:42:PHE:HA	1:B:39:PHE:HA	3	0.16
(1,4200)	1:B:42:PHE:HA	1:B:45:THR:HA	3	0.16
(1,4200)	1:B:45:THR:HB	1:B:42:PHE:HA	3	0.16
(1,4200)	1:B:42:PHE:HA	1:B:39:PHE:HA	9	0.16
(1,4200)	1:B:42:PHE:HA	1:B:45:THR:HA	9	0.16
(1,4200)	1:B:45:THR:HB	1:B:42:PHE:HA	9	0.16
(1,4199)	1:A:42:PHE:HA	1:A:39:PHE:HA	3	0.16
(1,4199)	1:A:42:PHE:HA	1:A:45:THR:HA	3	0.16
(1,4199)	1:A:45:THR:HB	1:A:42:PHE:HA	3	0.16
(1,4183)	1:A:13:CYS:HA	1:A:15:GLU:HB2	12	0.16
(1,4183)	1:A:13:CYS:HA	1:A:15:GLU:HB3	12	0.16
(1,4183)	1:A:13:CYS:HA	1:A:17:LEU:HG	12	0.16
(1,4183)	1:A:13:CYS:HA	1:A:15:GLU:HB2	17	0.16
(1,4183)	1:A:13:CYS:HA	1:A:15:GLU:HB3	17	0.16
(1,4183)	1:A:13:CYS:HA	1:A:17:LEU:HG	17	0.16
(1,4168)	1:B:20:VAL:HB	1:B:87:LEU:HD12	15	0.16
(1,4168)	1:B:20:VAL:HB	1:B:87:LEU:HD11	15	0.16
(1,4168)	1:B:20:VAL:HB	1:B:87:LEU:HD13	15	0.16
(1,4168)	1:B:20:VAL:HB	1:B:18:ILE:HG22	15	0.16
(1,4168)	1:B:20:VAL:HB	1:B:18:ILE:HG21	15	0.16
(1,4168)	1:B:20:VAL:HB	1:B:18:ILE:HG23	15	0.16
(1,4168)	1:B:20:VAL:HB	1:B:34:LEU:HD22	15	0.16
(1,4168)	1:B:20:VAL:HB	1:B:34:LEU:HD21	15	0.16
(1,4168)	1:B:20:VAL:HB	1:B:34:LEU:HD23	15	0.16
(1,4168)	1:B:20:VAL:HB	1:B:81:LEU:HD22	15	0.16
(1,4168)	1:B:20:VAL:HB	1:B:81:LEU:HD21	15	0.16
(1,4168)	1:B:20:VAL:HB	1:B:81:LEU:HD23	15	0.16
(1,4167)	1:A:20:VAL:HB	1:A:87:LEU:HD12	15	0.16
(1,4167)	1:A:20:VAL:HB	1:A:87:LEU:HD11	15	0.16
(1,4167)	1:A:20:VAL:HB	1:A:87:LEU:HD13	15	0.16
(1,4167)	1:A:20:VAL:HB	1:A:18:ILE:HG22	15	0.16
(1,4167)	1:A:20:VAL:HB	1:A:18:ILE:HG21	15	0.16
(1,4167)	1:A:20:VAL:HB	1:A:18:ILE:HG23	15	0.16
(1,4167)	1:A:20:VAL:HB	1:A:34:LEU:HD22	15	0.16
(1,4167)	1:A:20:VAL:HB	1:A:34:LEU:HD21	15	0.16
(1,4167)	1:A:20:VAL:HB	1:A:34:LEU:HD23	15	0.16
(1,4167)	1:A:20:VAL:HB	1:A:81:LEU:HD22	15	0.16
(1,4167)	1:A:20:VAL:HB	1:A:81:LEU:HD21	15	0.16
(1,4167)	1:A:20:VAL:HB	1:A:81:LEU:HD23	15	0.16
(1,4150)	1:B:17:LEU:HG	1:B:13:CYS:HB2	3	0.16
(1,4150)	1:B:13:CYS:HB2	1:A:17:LEU:HG	3	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4150)	1:B:17:LEU:HG	1:B:13:CYS:HB2	20	0.16
(1,4150)	1:B:13:CYS:HB2	1:A:17:LEU:HG	20	0.16
(1,4149)	1:A:17:LEU:HG	1:A:13:CYS:HB2	17	0.16
(1,4149)	1:A:13:CYS:HB2	1:B:17:LEU:HG	17	0.16
(1,4149)	1:A:17:LEU:HG	1:A:13:CYS:HB2	20	0.16
(1,4149)	1:A:13:CYS:HB2	1:B:17:LEU:HG	20	0.16
(1,4136)	1:B:20:VAL:HB	1:B:18:ILE:HG22	15	0.16
(1,4136)	1:B:20:VAL:HB	1:B:18:ILE:HG21	15	0.16
(1,4136)	1:B:20:VAL:HB	1:B:18:ILE:HG23	15	0.16
(1,4136)	1:B:20:VAL:HB	1:B:34:LEU:HD22	15	0.16
(1,4136)	1:B:20:VAL:HB	1:B:34:LEU:HD21	15	0.16
(1,4136)	1:B:20:VAL:HB	1:B:34:LEU:HD23	15	0.16
(1,4136)	1:B:20:VAL:HB	1:B:81:LEU:HD22	15	0.16
(1,4136)	1:B:20:VAL:HB	1:B:81:LEU:HD21	15	0.16
(1,4136)	1:B:20:VAL:HB	1:B:81:LEU:HD23	15	0.16
(1,4136)	1:B:20:VAL:HB	1:B:87:LEU:HD12	15	0.16
(1,4136)	1:B:20:VAL:HB	1:B:87:LEU:HD11	15	0.16
(1,4136)	1:B:20:VAL:HB	1:B:87:LEU:HD13	15	0.16
(1,4135)	1:A:20:VAL:HB	1:A:18:ILE:HG22	15	0.16
(1,4135)	1:A:20:VAL:HB	1:A:18:ILE:HG21	15	0.16
(1,4135)	1:A:20:VAL:HB	1:A:18:ILE:HG23	15	0.16
(1,4135)	1:A:20:VAL:HB	1:A:34:LEU:HD22	15	0.16
(1,4135)	1:A:20:VAL:HB	1:A:34:LEU:HD21	15	0.16
(1,4135)	1:A:20:VAL:HB	1:A:34:LEU:HD23	15	0.16
(1,4135)	1:A:20:VAL:HB	1:A:81:LEU:HD22	15	0.16
(1,4135)	1:A:20:VAL:HB	1:A:81:LEU:HD21	15	0.16
(1,4135)	1:A:20:VAL:HB	1:A:81:LEU:HD23	15	0.16
(1,4135)	1:A:20:VAL:HB	1:A:87:LEU:HD12	15	0.16
(1,4135)	1:A:20:VAL:HB	1:A:87:LEU:HD11	15	0.16
(1,4135)	1:A:20:VAL:HB	1:A:87:LEU:HD13	15	0.16
(1,4047)	1:A:52:LYS:HB2	1:A:53:ASN:HB3	11	0.16
(1,4047)	1:A:52:LYS:HB3	1:A:53:ASN:HB3	11	0.16
(1,4047)	1:A:74:GLN:HB2	1:A:76:ASP:HB3	11	0.16
(1,4012)	1:B:81:LEU:HD22	1:A:89:MET:HG3	6	0.16
(1,4012)	1:B:81:LEU:HD21	1:A:89:MET:HG3	6	0.16
(1,4012)	1:B:81:LEU:HD23	1:A:89:MET:HG3	6	0.16
(1,4012)	1:B:81:LEU:HD22	1:B:21:PHE:HB3	6	0.16
(1,4012)	1:B:81:LEU:HD21	1:B:21:PHE:HB3	6	0.16
(1,4012)	1:B:81:LEU:HD23	1:B:21:PHE:HB3	6	0.16
(1,4011)	1:A:81:LEU:HD22	1:B:89:MET:HG3	6	0.16
(1,4011)	1:A:81:LEU:HD21	1:B:89:MET:HG3	6	0.16
(1,4011)	1:A:81:LEU:HD23	1:B:89:MET:HG3	6	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4011)	1:A:81:LEU:HD22	1:A:21:PHE:HB3	6	0.16
(1,4011)	1:A:81:LEU:HD21	1:A:21:PHE:HB3	6	0.16
(1,4011)	1:A:81:LEU:HD23	1:A:21:PHE:HB3	6	0.16
(1,3956)	1:B:48:ALA:HA	1:B:50:PHE:HB2	7	0.16
(1,3956)	1:B:48:ALA:HA	1:B:50:PHE:HB3	7	0.16
(1,3956)	1:B:49:ALA:HA	1:B:50:PHE:HB2	7	0.16
(1,3956)	1:B:49:ALA:HA	1:B:50:PHE:HB3	7	0.16
(1,3956)	1:B:48:ALA:HA	1:B:50:PHE:HB2	19	0.16
(1,3956)	1:B:48:ALA:HA	1:B:50:PHE:HB3	19	0.16
(1,3956)	1:B:49:ALA:HA	1:B:50:PHE:HB2	19	0.16
(1,3956)	1:B:49:ALA:HA	1:B:50:PHE:HB3	19	0.16
(1,3955)	1:A:48:ALA:HA	1:A:50:PHE:HB2	5	0.16
(1,3955)	1:A:48:ALA:HA	1:A:50:PHE:HB3	5	0.16
(1,3955)	1:A:49:ALA:HA	1:A:50:PHE:HB2	5	0.16
(1,3955)	1:A:49:ALA:HA	1:A:50:PHE:HB3	5	0.16
(1,3955)	1:A:48:ALA:HA	1:A:50:PHE:HB2	7	0.16
(1,3955)	1:A:48:ALA:HA	1:A:50:PHE:HB3	7	0.16
(1,3955)	1:A:49:ALA:HA	1:A:50:PHE:HB2	7	0.16
(1,3955)	1:A:49:ALA:HA	1:A:50:PHE:HB3	7	0.16
(1,3955)	1:A:48:ALA:HA	1:A:50:PHE:HB2	19	0.16
(1,3955)	1:A:48:ALA:HA	1:A:50:PHE:HB3	19	0.16
(1,3955)	1:A:49:ALA:HA	1:A:50:PHE:HB2	19	0.16
(1,3955)	1:A:49:ALA:HA	1:A:50:PHE:HB3	19	0.16
(1,3938)	1:B:39:PHE:HB2	1:B:36:LYS:HG2	8	0.16
(1,3938)	1:B:39:PHE:HB2	1:B:36:LYS:HG3	8	0.16
(1,3938)	1:B:65:LYS:HG2	1:B:64:MET:HA	8	0.16
(1,3938)	1:B:65:LYS:HG3	1:B:64:MET:HA	8	0.16
(1,3937)	1:A:39:PHE:HB2	1:A:36:LYS:HG2	8	0.16
(1,3937)	1:A:39:PHE:HB2	1:A:36:LYS:HG3	8	0.16
(1,3937)	1:A:65:LYS:HG2	1:A:64:MET:HA	8	0.16
(1,3937)	1:A:65:LYS:HG3	1:A:64:MET:HA	8	0.16
(1,3936)	1:B:82:ASN:HB3	1:B:66:LYS:HD2	2	0.16
(1,3936)	1:B:82:ASN:HB3	1:B:66:LYS:HD3	2	0.16
(1,3936)	1:B:82:ASN:HB3	1:B:67:LEU:HB2	2	0.16
(1,3936)	1:B:82:ASN:HB3	1:B:83:LEU:HB3	2	0.16
(1,3936)	1:B:82:ASN:HB3	1:B:66:LYS:HD2	6	0.16
(1,3936)	1:B:82:ASN:HB3	1:B:66:LYS:HD3	6	0.16
(1,3936)	1:B:82:ASN:HB3	1:B:67:LEU:HB2	6	0.16
(1,3936)	1:B:82:ASN:HB3	1:B:83:LEU:HB3	6	0.16
(1,3936)	1:B:82:ASN:HB3	1:B:66:LYS:HD2	10	0.16
(1,3936)	1:B:82:ASN:HB3	1:B:66:LYS:HD3	10	0.16
(1,3936)	1:B:82:ASN:HB3	1:B:67:LEU:HB2	10	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3936)	1:B:82:ASN:HB3	1:B:83:LEU:HB3	10	0.16
(1,3936)	1:B:82:ASN:HB3	1:B:66:LYS:HD2	12	0.16
(1,3936)	1:B:82:ASN:HB3	1:B:66:LYS:HD3	12	0.16
(1,3936)	1:B:82:ASN:HB3	1:B:67:LEU:HB2	12	0.16
(1,3936)	1:B:82:ASN:HB3	1:B:83:LEU:HB3	12	0.16
(1,3936)	1:B:82:ASN:HB3	1:B:66:LYS:HD2	14	0.16
(1,3936)	1:B:82:ASN:HB3	1:B:66:LYS:HD3	14	0.16
(1,3936)	1:B:82:ASN:HB3	1:B:67:LEU:HB2	14	0.16
(1,3936)	1:B:82:ASN:HB3	1:B:83:LEU:HB3	14	0.16
(1,3935)	1:A:82:ASN:HB3	1:A:66:LYS:HD2	2	0.16
(1,3935)	1:A:82:ASN:HB3	1:A:66:LYS:HD3	2	0.16
(1,3935)	1:A:82:ASN:HB3	1:A:67:LEU:HB2	2	0.16
(1,3935)	1:A:82:ASN:HB3	1:A:83:LEU:HB3	2	0.16
(1,3935)	1:A:82:ASN:HB3	1:A:66:LYS:HD2	6	0.16
(1,3935)	1:A:82:ASN:HB3	1:A:66:LYS:HD3	6	0.16
(1,3935)	1:A:82:ASN:HB3	1:A:67:LEU:HB2	6	0.16
(1,3935)	1:A:82:ASN:HB3	1:A:83:LEU:HB3	6	0.16
(1,3935)	1:A:82:ASN:HB3	1:A:66:LYS:HD2	10	0.16
(1,3935)	1:A:82:ASN:HB3	1:A:66:LYS:HD3	10	0.16
(1,3935)	1:A:82:ASN:HB3	1:A:67:LEU:HB2	10	0.16
(1,3935)	1:A:82:ASN:HB3	1:A:83:LEU:HB3	10	0.16
(1,3935)	1:A:82:ASN:HB3	1:A:66:LYS:HD2	12	0.16
(1,3935)	1:A:82:ASN:HB3	1:A:66:LYS:HD3	12	0.16
(1,3935)	1:A:82:ASN:HB3	1:A:67:LEU:HB2	12	0.16
(1,3935)	1:A:82:ASN:HB3	1:A:83:LEU:HB3	12	0.16
(1,3935)	1:A:82:ASN:HB3	1:A:66:LYS:HD2	14	0.16
(1,3935)	1:A:82:ASN:HB3	1:A:66:LYS:HD3	14	0.16
(1,3935)	1:A:82:ASN:HB3	1:A:67:LEU:HB2	14	0.16
(1,3935)	1:A:82:ASN:HB3	1:A:83:LEU:HB3	14	0.16
(1,3929)	1:A:74:GLN:HA	1:A:34:LEU:HB3	2	0.16
(1,3929)	1:A:74:GLN:HA	1:A:36:LYS:HG2	2	0.16
(1,3929)	1:A:74:GLN:HA	1:A:36:LYS:HG3	2	0.16
(1,3929)	1:A:74:GLN:HA	1:A:75:LEU:HB3	2	0.16
(1,3926)	1:B:15:GLU:HB2	1:B:13:CYS:HB3	9	0.16
(1,3926)	1:B:15:GLU:HB3	1:B:13:CYS:HB3	9	0.16
(1,3926)	1:B:15:GLU:HB2	1:A:91:CYS:HB2	9	0.16
(1,3926)	1:B:15:GLU:HB2	1:A:91:CYS:HB3	9	0.16
(1,3926)	1:B:15:GLU:HB3	1:A:91:CYS:HB2	9	0.16
(1,3926)	1:B:15:GLU:HB3	1:A:91:CYS:HB3	9	0.16
(1,3926)	1:B:9:GLU:HB2	1:B:13:CYS:HB3	9	0.16
(1,3926)	1:B:9:GLU:HB3	1:B:13:CYS:HB3	9	0.16
(1,3925)	1:A:15:GLU:HB2	1:A:13:CYS:HB3	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3925)	1:A:15:GLU:HB3	1:A:13:CYS:HB3	9	0.16
(1,3925)	1:A:15:GLU:HB2	1:B:91:CYS:HB2	9	0.16
(1,3925)	1:A:15:GLU:HB2	1:B:91:CYS:HB3	9	0.16
(1,3925)	1:A:15:GLU:HB3	1:B:91:CYS:HB2	9	0.16
(1,3925)	1:A:15:GLU:HB3	1:B:91:CYS:HB3	9	0.16
(1,3925)	1:A:9:GLU:HB2	1:A:13:CYS:HB3	9	0.16
(1,3925)	1:A:9:GLU:HB3	1:A:13:CYS:HB3	9	0.16
(1,3925)	1:A:15:GLU:HB2	1:A:13:CYS:HB3	18	0.16
(1,3925)	1:A:15:GLU:HB3	1:A:13:CYS:HB3	18	0.16
(1,3925)	1:A:15:GLU:HB2	1:B:91:CYS:HB2	18	0.16
(1,3925)	1:A:15:GLU:HB2	1:B:91:CYS:HB3	18	0.16
(1,3925)	1:A:15:GLU:HB3	1:B:91:CYS:HB2	18	0.16
(1,3925)	1:A:15:GLU:HB3	1:B:91:CYS:HB3	18	0.16
(1,3925)	1:A:9:GLU:HB2	1:A:13:CYS:HB3	18	0.16
(1,3925)	1:A:9:GLU:HB3	1:A:13:CYS:HB3	18	0.16
(1,3914)	1:B:35:SER:HA	1:B:34:LEU:HG	20	0.16
(1,3914)	1:B:35:SER:HA	1:B:75:LEU:HB3	20	0.16
(1,3898)	1:B:10:THR:HA	1:B:11:GLU:HB2	17	0.16
(1,3898)	1:B:10:THR:HA	1:B:11:GLU:HB3	17	0.16
(1,3898)	1:B:10:THR:HA	1:B:12:ARG:HB2	17	0.16
(1,3898)	1:B:10:THR:HA	1:B:12:ARG:HB3	17	0.16
(1,3898)	1:B:10:THR:HA	1:B:14:ILE:HB	17	0.16
(1,3897)	1:A:10:THR:HA	1:A:11:GLU:HB2	9	0.16
(1,3897)	1:A:10:THR:HA	1:A:11:GLU:HB3	9	0.16
(1,3897)	1:A:10:THR:HA	1:A:12:ARG:HB2	9	0.16
(1,3897)	1:A:10:THR:HA	1:A:12:ARG:HB3	9	0.16
(1,3897)	1:A:10:THR:HA	1:A:14:ILE:HB	9	0.16
(1,3897)	1:A:10:THR:HA	1:A:11:GLU:HB2	17	0.16
(1,3897)	1:A:10:THR:HA	1:A:11:GLU:HB3	17	0.16
(1,3897)	1:A:10:THR:HA	1:A:12:ARG:HB2	17	0.16
(1,3897)	1:A:10:THR:HA	1:A:12:ARG:HB3	17	0.16
(1,3897)	1:A:10:THR:HA	1:A:14:ILE:HB	17	0.16
(1,3884)	1:B:89:MET:HG3	1:B:83:LEU:H	9	0.16
(1,3884)	1:B:89:MET:HG3	1:A:82:ASN:H	9	0.16
(1,3884)	1:B:63:MET:HG3	1:B:65:LYS:H	9	0.16
(1,3883)	1:A:89:MET:HG3	1:A:83:LEU:H	9	0.16
(1,3883)	1:A:89:MET:HG3	1:B:82:ASN:H	9	0.16
(1,3883)	1:A:63:MET:HG3	1:A:65:LYS:H	9	0.16
(1,381)	1:A:11:GLU:HG2	1:A:10:THR:H	5	0.16
(1,3802)	1:B:40:LEU:HA	1:B:36:LYS:HE2	5	0.16
(1,3802)	1:B:40:LEU:HA	1:B:36:LYS:HE3	5	0.16
(1,3802)	1:B:21:PHE:HB2	1:B:22:GLN:HA	5	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3786)	1:B:63:MET:HG3	1:B:61:ASP:H	6	0.16
(1,3786)	1:B:89:MET:HG3	1:B:87:LEU:H	6	0.16
(1,3785)	1:A:63:MET:HG3	1:A:61:ASP:H	6	0.16
(1,3785)	1:A:89:MET:HG3	1:A:87:LEU:H	6	0.16
(1,3736)	1:B:37:THR:HB	1:B:35:SER:HA	2	0.16
(1,3736)	1:B:51:THR:HB	1:B:53:ASN:HA	2	0.16
(1,3735)	1:A:37:THR:HB	1:A:35:SER:HA	2	0.16
(1,3735)	1:A:51:THR:HB	1:A:53:ASN:HA	2	0.16
(1,3704)	1:B:39:PHE:HB2	1:B:36:LYS:HG2	3	0.16
(1,3704)	1:B:39:PHE:HB2	1:B:36:LYS:HG3	3	0.16
(1,3704)	1:B:39:PHE:HB2	1:B:60:LEU:HB3	3	0.16
(1,3704)	1:B:39:PHE:HB2	1:B:75:LEU:HB3	3	0.16
(1,3703)	1:A:39:PHE:HB2	1:A:36:LYS:HG2	3	0.16
(1,3703)	1:A:39:PHE:HB2	1:A:36:LYS:HG3	3	0.16
(1,3703)	1:A:39:PHE:HB2	1:A:60:LEU:HB3	3	0.16
(1,3703)	1:A:39:PHE:HB2	1:A:75:LEU:HB3	3	0.16
(1,3696)	1:B:12:ARG:HD2	1:B:14:ILE:HG22	9	0.16
(1,3696)	1:B:12:ARG:HD2	1:B:14:ILE:HG21	9	0.16
(1,3696)	1:B:12:ARG:HD2	1:B:14:ILE:HG23	9	0.16
(1,3696)	1:B:12:ARG:HD3	1:B:14:ILE:HG22	9	0.16
(1,3696)	1:B:12:ARG:HD3	1:B:14:ILE:HG21	9	0.16
(1,3696)	1:B:12:ARG:HD3	1:B:14:ILE:HG23	9	0.16
(1,3696)	1:B:17:LEU:HD22	1:B:12:ARG:HD2	9	0.16
(1,3696)	1:B:17:LEU:HD22	1:B:12:ARG:HD3	9	0.16
(1,3696)	1:B:17:LEU:HD21	1:B:12:ARG:HD2	9	0.16
(1,3696)	1:B:17:LEU:HD21	1:B:12:ARG:HD3	9	0.16
(1,3696)	1:B:17:LEU:HD23	1:B:12:ARG:HD2	9	0.16
(1,3696)	1:B:17:LEU:HD23	1:B:12:ARG:HD3	9	0.16
(1,3696)	1:B:12:ARG:HD2	1:A:17:LEU:HD22	9	0.16
(1,3696)	1:B:12:ARG:HD2	1:A:17:LEU:HD21	9	0.16
(1,3696)	1:B:12:ARG:HD2	1:A:17:LEU:HD23	9	0.16
(1,3696)	1:B:12:ARG:HD3	1:A:17:LEU:HD22	9	0.16
(1,3696)	1:B:12:ARG:HD3	1:A:17:LEU:HD21	9	0.16
(1,3696)	1:B:12:ARG:HD3	1:A:17:LEU:HD23	9	0.16
(1,3696)	1:B:62:ARG:HD2	1:B:60:LEU:HD22	9	0.16
(1,3696)	1:B:62:ARG:HD2	1:B:60:LEU:HD21	9	0.16
(1,3696)	1:B:62:ARG:HD2	1:B:60:LEU:HD23	9	0.16
(1,3695)	1:A:12:ARG:HD2	1:A:14:ILE:HG22	9	0.16
(1,3695)	1:A:12:ARG:HD2	1:A:14:ILE:HG21	9	0.16
(1,3695)	1:A:12:ARG:HD2	1:A:14:ILE:HG23	9	0.16
(1,3695)	1:A:12:ARG:HD3	1:A:14:ILE:HG22	9	0.16
(1,3695)	1:A:12:ARG:HD3	1:A:14:ILE:HG21	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3695)	1:A:12:ARG:HD3	1:A:14:ILE:HG23	9	0.16
(1,3695)	1:A:17:LEU:HD22	1:A:12:ARG:HD2	9	0.16
(1,3695)	1:A:17:LEU:HD22	1:A:12:ARG:HD3	9	0.16
(1,3695)	1:A:17:LEU:HD21	1:A:12:ARG:HD2	9	0.16
(1,3695)	1:A:17:LEU:HD21	1:A:12:ARG:HD3	9	0.16
(1,3695)	1:A:17:LEU:HD23	1:A:12:ARG:HD2	9	0.16
(1,3695)	1:A:17:LEU:HD23	1:A:12:ARG:HD3	9	0.16
(1,3695)	1:A:12:ARG:HD2	1:B:17:LEU:HD22	9	0.16
(1,3695)	1:A:12:ARG:HD2	1:B:17:LEU:HD21	9	0.16
(1,3695)	1:A:12:ARG:HD2	1:B:17:LEU:HD23	9	0.16
(1,3695)	1:A:12:ARG:HD3	1:B:17:LEU:HD22	9	0.16
(1,3695)	1:A:12:ARG:HD3	1:B:17:LEU:HD21	9	0.16
(1,3695)	1:A:12:ARG:HD3	1:B:17:LEU:HD23	9	0.16
(1,3695)	1:A:62:ARG:HD2	1:A:60:LEU:HD22	9	0.16
(1,3695)	1:A:62:ARG:HD2	1:A:60:LEU:HD21	9	0.16
(1,3695)	1:A:62:ARG:HD2	1:A:60:LEU:HD23	9	0.16
(1,3678)	1:B:74:GLN:HG2	1:B:33:THR:HA	1	0.16
(1,3678)	1:B:74:GLN:HG3	1:B:33:THR:HA	1	0.16
(1,3678)	1:B:74:GLN:HG2	1:B:34:LEU:HA	1	0.16
(1,3678)	1:B:74:GLN:HG3	1:B:34:LEU:HA	1	0.16
(1,3678)	1:B:74:GLN:HG2	1:B:33:THR:HA	2	0.16
(1,3678)	1:B:74:GLN:HG3	1:B:33:THR:HA	2	0.16
(1,3678)	1:B:74:GLN:HG2	1:B:34:LEU:HA	2	0.16
(1,3678)	1:B:74:GLN:HG3	1:B:34:LEU:HA	2	0.16
(1,3678)	1:B:74:GLN:HG2	1:B:33:THR:HA	15	0.16
(1,3678)	1:B:74:GLN:HG3	1:B:33:THR:HA	15	0.16
(1,3678)	1:B:74:GLN:HG2	1:B:34:LEU:HA	15	0.16
(1,3678)	1:B:74:GLN:HG3	1:B:34:LEU:HA	15	0.16
(1,3677)	1:A:74:GLN:HG2	1:A:33:THR:HA	1	0.16
(1,3677)	1:A:74:GLN:HG3	1:A:33:THR:HA	1	0.16
(1,3677)	1:A:74:GLN:HG2	1:A:34:LEU:HA	1	0.16
(1,3677)	1:A:74:GLN:HG3	1:A:34:LEU:HA	1	0.16
(1,3677)	1:A:74:GLN:HG2	1:A:33:THR:HA	2	0.16
(1,3677)	1:A:74:GLN:HG3	1:A:33:THR:HA	2	0.16
(1,3677)	1:A:74:GLN:HG2	1:A:34:LEU:HA	2	0.16
(1,3677)	1:A:74:GLN:HG3	1:A:34:LEU:HA	2	0.16
(1,3677)	1:A:74:GLN:HG2	1:A:33:THR:HA	15	0.16
(1,3677)	1:A:74:GLN:HG3	1:A:33:THR:HA	15	0.16
(1,3677)	1:A:74:GLN:HG2	1:A:34:LEU:HA	15	0.16
(1,3677)	1:A:74:GLN:HG3	1:A:34:LEU:HA	15	0.16
(1,3670)	1:B:69:THR:HA	1:B:70:ASN:HB2	4	0.16
(1,3670)	1:B:70:ASN:HB2	1:B:71:SER:HA	4	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3670)	1:B:69:THR:HA	1:B:70:ASN:HB2	10	0.16
(1,3670)	1:B:70:ASN:HB2	1:B:71:SER:HA	10	0.16
(1,3670)	1:B:69:THR:HA	1:B:70:ASN:HB2	15	0.16
(1,3670)	1:B:70:ASN:HB2	1:B:71:SER:HA	15	0.16
(1,3669)	1:A:69:THR:HA	1:A:70:ASN:HB2	4	0.16
(1,3669)	1:A:70:ASN:HB2	1:A:71:SER:HA	4	0.16
(1,3669)	1:A:69:THR:HA	1:A:70:ASN:HB2	10	0.16
(1,3669)	1:A:70:ASN:HB2	1:A:71:SER:HA	10	0.16
(1,3669)	1:A:69:THR:HA	1:A:70:ASN:HB2	15	0.16
(1,3669)	1:A:70:ASN:HB2	1:A:71:SER:HA	15	0.16
(1,3584)	1:B:77:PHE:HB2	1:B:79:GLU:H	8	0.16
(1,3584)	1:B:68:ASP:HB3	1:B:64:MET:H	8	0.16
(1,3518)	1:B:51:THR:HB	1:B:44:ASN:HB2	3	0.16
(1,3518)	1:B:37:THR:HB	1:B:27:LYS:HE2	3	0.16
(1,3518)	1:B:37:THR:HB	1:B:27:LYS:HE3	3	0.16
(1,3508)	1:B:46:GLU:HB3	1:B:45:THR:HA	9	0.16
(1,3508)	1:B:46:GLU:HB3	1:B:45:THR:HB	9	0.16
(1,3507)	1:A:46:GLU:HB3	1:A:45:THR:HA	9	0.16
(1,3507)	1:A:46:GLU:HB3	1:A:45:THR:HB	9	0.16
(1,3506)	1:B:69:THR:HB	1:B:65:LYS:HE2	5	0.16
(1,3506)	1:B:69:THR:HB	1:B:65:LYS:HE3	5	0.16
(1,3506)	1:B:69:THR:HB	1:B:68:ASP:HB2	5	0.16
(1,3506)	1:B:69:THR:HB	1:B:82:ASN:HB2	5	0.16
(1,3506)	1:B:69:THR:HB	1:B:65:LYS:HE2	9	0.16
(1,3506)	1:B:69:THR:HB	1:B:65:LYS:HE3	9	0.16
(1,3506)	1:B:69:THR:HB	1:B:68:ASP:HB2	9	0.16
(1,3506)	1:B:69:THR:HB	1:B:82:ASN:HB2	9	0.16
(1,3505)	1:A:69:THR:HB	1:A:65:LYS:HE2	5	0.16
(1,3505)	1:A:69:THR:HB	1:A:65:LYS:HE3	5	0.16
(1,3505)	1:A:69:THR:HB	1:A:68:ASP:HB2	5	0.16
(1,3505)	1:A:69:THR:HB	1:A:82:ASN:HB2	5	0.16
(1,3505)	1:A:69:THR:HB	1:A:65:LYS:HE2	9	0.16
(1,3505)	1:A:69:THR:HB	1:A:65:LYS:HE3	9	0.16
(1,3505)	1:A:69:THR:HB	1:A:68:ASP:HB2	9	0.16
(1,3505)	1:A:69:THR:HB	1:A:82:ASN:HB2	9	0.16
(1,3500)	1:B:29:GLY:HA2	1:B:28:ASP:HB2	5	0.16
(1,3500)	1:B:73:GLY:HA2	1:B:72:ASP:HB2	5	0.16
(1,3499)	1:A:29:GLY:HA2	1:A:28:ASP:HB2	8	0.16
(1,3499)	1:A:73:GLY:HA2	1:A:72:ASP:HB2	8	0.16
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD22	12	0.16
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD21	12	0.16
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD23	12	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD22	12	0.16
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD21	12	0.16
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD23	12	0.16
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD22	17	0.16
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD21	17	0.16
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD23	17	0.16
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD22	17	0.16
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD21	17	0.16
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD23	17	0.16
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD22	18	0.16
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD21	18	0.16
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD23	18	0.16
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD22	18	0.16
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD21	18	0.16
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD23	18	0.16
(1,3474)	1:B:11:GLU:H	1:B:17:LEU:HG	3	0.16
(1,3474)	1:B:17:LEU:HG	1:B:21:PHE:H	3	0.16
(1,3474)	1:B:17:LEU:HG	1:A:11:GLU:H	3	0.16
(1,3474)	1:B:11:GLU:H	1:B:17:LEU:HG	19	0.16
(1,3474)	1:B:17:LEU:HG	1:B:21:PHE:H	19	0.16
(1,3474)	1:B:17:LEU:HG	1:A:11:GLU:H	19	0.16
(1,3473)	1:A:11:GLU:H	1:A:17:LEU:HG	3	0.16
(1,3473)	1:A:17:LEU:HG	1:A:21:PHE:H	3	0.16
(1,3473)	1:A:17:LEU:HG	1:B:11:GLU:H	3	0.16
(1,3473)	1:A:11:GLU:H	1:A:17:LEU:HG	19	0.16
(1,3473)	1:A:17:LEU:HG	1:A:21:PHE:H	19	0.16
(1,3473)	1:A:17:LEU:HG	1:B:11:GLU:H	19	0.16
(1,3468)	1:B:75:LEU:HB3	1:B:33:THR:HA	7	0.16
(1,3468)	1:B:75:LEU:HB3	1:B:34:LEU:HA	7	0.16
(1,3468)	1:B:75:LEU:HB3	1:B:33:THR:HA	13	0.16
(1,3468)	1:B:75:LEU:HB3	1:B:34:LEU:HA	13	0.16
(1,3467)	1:A:75:LEU:HB3	1:A:33:THR:HA	7	0.16
(1,3467)	1:A:75:LEU:HB3	1:A:34:LEU:HA	7	0.16
(1,3467)	1:A:75:LEU:HB3	1:A:33:THR:HA	13	0.16
(1,3467)	1:A:75:LEU:HB3	1:A:34:LEU:HA	13	0.16
(1,3458)	1:B:11:GLU:HA	1:B:12:ARG:HD2	1	0.16
(1,3458)	1:B:11:GLU:HA	1:B:12:ARG:HD3	1	0.16
(1,3458)	1:B:11:GLU:HA	1:A:50:PHE:HB2	1	0.16
(1,3458)	1:B:11:GLU:HA	1:A:50:PHE:HB3	1	0.16
(1,3458)	1:B:11:GLU:HA	1:B:12:ARG:HD2	3	0.16
(1,3458)	1:B:11:GLU:HA	1:B:12:ARG:HD3	3	0.16
(1,3458)	1:B:11:GLU:HA	1:A:50:PHE:HB2	3	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3458)	1:B:11:GLU:HA	1:A:50:PHE:HB3	3	0.16
(1,3424)	1:B:60:LEU:HB2	1:B:37:THR:HA	7	0.16
(1,3424)	1:B:60:LEU:HB2	1:B:52:LYS:HA	7	0.16
(1,3424)	1:B:60:LEU:HB2	1:B:62:ARG:HA	7	0.16
(1,3424)	1:B:60:LEU:HB2	1:B:63:MET:HA	7	0.16
(1,3423)	1:A:60:LEU:HB2	1:A:37:THR:HA	7	0.16
(1,3423)	1:A:60:LEU:HB2	1:A:52:LYS:HA	7	0.16
(1,3423)	1:A:60:LEU:HB2	1:A:62:ARG:HA	7	0.16
(1,3423)	1:A:60:LEU:HB2	1:A:63:MET:HA	7	0.16
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD22	1	0.16
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD21	1	0.16
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD23	1	0.16
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD22	1	0.16
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD21	1	0.16
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD23	1	0.16
(1,3389)	1:A:17:LEU:HD22	1:B:14:ILE:HD12	4	0.16
(1,3389)	1:A:17:LEU:HD22	1:B:14:ILE:HD11	4	0.16
(1,3389)	1:A:17:LEU:HD22	1:B:14:ILE:HD13	4	0.16
(1,3389)	1:A:17:LEU:HD21	1:B:14:ILE:HD12	4	0.16
(1,3389)	1:A:17:LEU:HD21	1:B:14:ILE:HD11	4	0.16
(1,3389)	1:A:17:LEU:HD21	1:B:14:ILE:HD13	4	0.16
(1,3389)	1:A:17:LEU:HD23	1:B:14:ILE:HD12	4	0.16
(1,3389)	1:A:17:LEU:HD23	1:B:14:ILE:HD11	4	0.16
(1,3389)	1:A:17:LEU:HD23	1:B:14:ILE:HD13	4	0.16
(1,3389)	1:A:17:LEU:HD22	1:B:17:LEU:HD12	4	0.16
(1,3389)	1:A:17:LEU:HD22	1:B:17:LEU:HD11	4	0.16
(1,3389)	1:A:17:LEU:HD22	1:B:17:LEU:HD13	4	0.16
(1,3389)	1:A:17:LEU:HD21	1:B:17:LEU:HD12	4	0.16
(1,3389)	1:A:17:LEU:HD21	1:B:17:LEU:HD11	4	0.16
(1,3389)	1:A:17:LEU:HD21	1:B:17:LEU:HD13	4	0.16
(1,3389)	1:A:17:LEU:HD23	1:B:17:LEU:HD12	4	0.16
(1,3389)	1:A:17:LEU:HD23	1:B:17:LEU:HD11	4	0.16
(1,3389)	1:A:17:LEU:HD23	1:B:17:LEU:HD13	4	0.16
(1,3348)	1:B:14:ILE:HD12	1:A:46:GLU:HB2	7	0.16
(1,3348)	1:B:14:ILE:HD11	1:A:46:GLU:HB2	7	0.16
(1,3348)	1:B:14:ILE:HD13	1:A:46:GLU:HB2	7	0.16
(1,3348)	1:B:14:ILE:HD12	1:A:47:LEU:HB2	7	0.16
(1,3348)	1:B:14:ILE:HD11	1:A:47:LEU:HB2	7	0.16
(1,3348)	1:B:14:ILE:HD13	1:A:47:LEU:HB2	7	0.16
(1,3347)	1:A:14:ILE:HD12	1:B:46:GLU:HB2	7	0.16
(1,3347)	1:A:14:ILE:HD11	1:B:46:GLU:HB2	7	0.16
(1,3347)	1:A:14:ILE:HD13	1:B:46:GLU:HB2	7	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3347)	1:A:14:ILE:HD12	1:B:47:LEU:HB2	7	0.16
(1,3347)	1:A:14:ILE:HD11	1:B:47:LEU:HB2	7	0.16
(1,3347)	1:A:14:ILE:HD13	1:B:47:LEU:HB2	7	0.16
(1,326)	1:B:96:LEU:HG	1:B:95:PHE:HB2	5	0.16
(1,326)	1:B:96:LEU:HG	1:B:95:PHE:HB3	5	0.16
(1,325)	1:A:96:LEU:HG	1:A:95:PHE:HB2	5	0.16
(1,325)	1:A:96:LEU:HG	1:A:95:PHE:HB3	5	0.16
(1,3170)	1:B:23:LYS:H	1:B:23:LYS:HD2	16	0.16
(1,3170)	1:B:23:LYS:H	1:B:23:LYS:HD3	16	0.16
(1,3169)	1:A:23:LYS:H	1:A:23:LYS:HD2	16	0.16
(1,3169)	1:A:23:LYS:H	1:A:23:LYS:HD3	16	0.16
(1,3165)	1:A:82:ASN:H	1:A:82:ASN:HB3	17	0.16
(1,3138)	1:B:76:ASP:H	1:B:75:LEU:HD22	3	0.16
(1,3138)	1:B:76:ASP:H	1:B:75:LEU:HD21	3	0.16
(1,3138)	1:B:76:ASP:H	1:B:75:LEU:HD23	3	0.16
(1,3137)	1:A:76:ASP:H	1:A:75:LEU:HD22	3	0.16
(1,3137)	1:A:76:ASP:H	1:A:75:LEU:HD21	3	0.16
(1,3137)	1:A:76:ASP:H	1:A:75:LEU:HD23	3	0.16
(1,3092)	1:B:75:LEU:H	1:B:75:LEU:HB3	1	0.16
(1,3092)	1:B:75:LEU:H	1:B:75:LEU:HB3	6	0.16
(1,3092)	1:B:75:LEU:H	1:B:75:LEU:HB3	8	0.16
(1,3092)	1:B:75:LEU:H	1:B:75:LEU:HB3	9	0.16
(1,3092)	1:B:75:LEU:H	1:B:75:LEU:HB3	18	0.16
(1,3092)	1:B:75:LEU:H	1:B:75:LEU:HB3	19	0.16
(1,3091)	1:A:75:LEU:H	1:A:75:LEU:HB3	1	0.16
(1,3091)	1:A:75:LEU:H	1:A:75:LEU:HB3	6	0.16
(1,3091)	1:A:75:LEU:H	1:A:75:LEU:HB3	8	0.16
(1,3091)	1:A:75:LEU:H	1:A:75:LEU:HB3	9	0.16
(1,3091)	1:A:75:LEU:H	1:A:75:LEU:HB3	18	0.16
(1,3091)	1:A:75:LEU:H	1:A:75:LEU:HB3	19	0.16
(1,3056)	1:B:94:SER:H	1:B:93:ASP:HB2	13	0.16
(1,3055)	1:A:94:SER:H	1:A:93:ASP:HB2	2	0.16
(1,304)	1:B:22:GLN:HB2	1:B:18:ILE:H	4	0.16
(1,304)	1:B:22:GLN:HB3	1:B:18:ILE:H	4	0.16
(1,304)	1:B:22:GLN:HB2	1:B:18:ILE:H	16	0.16
(1,304)	1:B:22:GLN:HB3	1:B:18:ILE:H	16	0.16
(1,303)	1:A:22:GLN:HB2	1:A:18:ILE:H	4	0.16
(1,303)	1:A:22:GLN:HB3	1:A:18:ILE:H	4	0.16
(1,303)	1:A:22:GLN:HB2	1:A:18:ILE:H	5	0.16
(1,303)	1:A:22:GLN:HB3	1:A:18:ILE:H	5	0.16
(1,280)	1:B:17:LEU:HB2	1:B:21:PHE:H	9	0.16
(1,279)	1:A:17:LEU:HB2	1:A:21:PHE:H	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD22	1	0.16
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD21	1	0.16
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD23	1	0.16
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD22	10	0.16
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD21	10	0.16
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD23	10	0.16
(1,2635)	1:A:43:MET:H	1:A:34:LEU:HD22	1	0.16
(1,2635)	1:A:43:MET:H	1:A:34:LEU:HD21	1	0.16
(1,2635)	1:A:43:MET:H	1:A:34:LEU:HD23	1	0.16
(1,2635)	1:A:43:MET:H	1:A:34:LEU:HD22	10	0.16
(1,2635)	1:A:43:MET:H	1:A:34:LEU:HD21	10	0.16
(1,2635)	1:A:43:MET:H	1:A:34:LEU:HD23	10	0.16
(1,2630)	1:B:69:THR:H	1:B:67:LEU:HB2	3	0.16
(1,2630)	1:B:69:THR:H	1:B:67:LEU:HB2	15	0.16
(1,2629)	1:A:69:THR:H	1:A:67:LEU:HB2	3	0.16
(1,2629)	1:A:69:THR:H	1:A:67:LEU:HB2	15	0.16
(1,2210)	1:B:97:LYS:HA	1:B:97:LYS:HG2	17	0.16
(1,2210)	1:B:97:LYS:HA	1:B:97:LYS:HG3	17	0.16
(1,136)	1:B:89:MET:HG2	1:B:85:GLY:HA3	13	0.16
(1,135)	1:A:89:MET:HG2	1:A:85:GLY:HA3	9	0.16
(1,135)	1:A:89:MET:HG2	1:A:85:GLY:HA3	13	0.16
(1,135)	1:A:89:MET:HG2	1:A:85:GLY:HA3	17	0.16
(1,132)	1:B:46:GLU:HB3	1:B:42:PHE:HA	20	0.16
(1,131)	1:A:46:GLU:HB3	1:A:42:PHE:HA	20	0.16
(3,87)	1:B:46:GLU:N	1:B:42:PHE:O	8	0.15
(3,87)	1:B:46:GLU:N	1:B:42:PHE:O	9	0.15
(3,87)	1:B:46:GLU:N	1:B:42:PHE:O	13	0.15
(3,63)	1:B:13:CYS:N	1:B:9:GLU:O	16	0.15
(3,29)	1:A:46:GLU:N	1:A:42:PHE:O	6	0.15
(3,29)	1:A:46:GLU:N	1:A:42:PHE:O	8	0.15
(3,29)	1:A:46:GLU:N	1:A:42:PHE:O	9	0.15
(3,29)	1:A:46:GLU:N	1:A:42:PHE:O	13	0.15
(3,107)	1:B:92:HIS:N	1:B:88:ALA:O	20	0.15
(2,78)	1:B:61:ASP:HA	1:B:59:VAL:HA	1	0.15
(2,78)	1:B:61:ASP:HA	1:B:59:VAL:HA	8	0.15
(2,77)	1:A:61:ASP:HA	1:A:59:VAL:HA	1	0.15
(2,58)	1:B:8:THR:HB	1:A:45:THR:HB	16	0.15
(2,57)	1:A:8:THR:HB	1:B:45:THR:HB	13	0.15
(2,57)	1:A:8:THR:HB	1:B:45:THR:HB	16	0.15
(2,38)	1:B:65:LYS:H	1:B:63:MET:HG2	2	0.15
(2,31)	1:A:38:GLU:HA	1:A:34:LEU:HA	3	0.15
(2,28)	1:B:16:SER:HA	1:B:21:PHE:H	9	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,27)	1:A:16:SER:HA	1:A:21:PHE:H	9	0.15
(2,14)	1:B:15:GLU:HG2	1:B:14:ILE:HA	17	0.15
(2,13)	1:A:15:GLU:HG2	1:A:14:ILE:HA	17	0.15
(2,124)	1:B:44:ASN:HB2	1:B:48:ALA:H	11	0.15
(2,122)	1:B:76:ASP:HB3	1:B:68:ASP:HA	2	0.15
(2,121)	1:A:76:ASP:HB3	1:A:68:ASP:HA	2	0.15
(1,988)	1:B:87:LEU:HB2	1:B:86:GLY:H	9	0.15
(1,988)	1:B:87:LEU:HB2	1:B:86:GLY:H	11	0.15
(1,987)	1:A:87:LEU:HB2	1:A:86:GLY:H	3	0.15
(1,987)	1:A:87:LEU:HB2	1:A:86:GLY:H	7	0.15
(1,987)	1:A:87:LEU:HB2	1:A:86:GLY:H	9	0.15
(1,987)	1:A:87:LEU:HB2	1:A:86:GLY:H	11	0.15
(1,987)	1:A:87:LEU:HB2	1:A:86:GLY:H	16	0.15
(1,90)	1:B:15:GLU:HB2	1:A:9:GLU:HG2	10	0.15
(1,90)	1:B:15:GLU:HB2	1:A:9:GLU:HG3	10	0.15
(1,90)	1:B:15:GLU:HB3	1:A:9:GLU:HG2	10	0.15
(1,90)	1:B:15:GLU:HB3	1:A:9:GLU:HG3	10	0.15
(1,90)	1:B:15:GLU:HB2	1:A:9:GLU:HG2	15	0.15
(1,90)	1:B:15:GLU:HB2	1:A:9:GLU:HG3	15	0.15
(1,90)	1:B:15:GLU:HB3	1:A:9:GLU:HG2	15	0.15
(1,90)	1:B:15:GLU:HB3	1:A:9:GLU:HG3	15	0.15
(1,90)	1:B:15:GLU:HB2	1:A:9:GLU:HG2	19	0.15
(1,90)	1:B:15:GLU:HB2	1:A:9:GLU:HG3	19	0.15
(1,90)	1:B:15:GLU:HB3	1:A:9:GLU:HG2	19	0.15
(1,90)	1:B:15:GLU:HB3	1:A:9:GLU:HG3	19	0.15
(1,90)	1:B:15:GLU:HB2	1:A:9:GLU:HG2	20	0.15
(1,90)	1:B:15:GLU:HB2	1:A:9:GLU:HG3	20	0.15
(1,90)	1:B:15:GLU:HB3	1:A:9:GLU:HG2	20	0.15
(1,90)	1:B:15:GLU:HB3	1:A:9:GLU:HG3	20	0.15
(1,89)	1:A:15:GLU:HB2	1:B:9:GLU:HG2	10	0.15
(1,89)	1:A:15:GLU:HB2	1:B:9:GLU:HG3	10	0.15
(1,89)	1:A:15:GLU:HB3	1:B:9:GLU:HG2	10	0.15
(1,89)	1:A:15:GLU:HB3	1:B:9:GLU:HG3	10	0.15
(1,89)	1:A:15:GLU:HB2	1:B:9:GLU:HG2	20	0.15
(1,89)	1:A:15:GLU:HB2	1:B:9:GLU:HG3	20	0.15
(1,89)	1:A:15:GLU:HB3	1:B:9:GLU:HG2	20	0.15
(1,89)	1:A:15:GLU:HB3	1:B:9:GLU:HG3	20	0.15
(1,88)	1:B:15:GLU:HB2	1:A:9:GLU:HG2	10	0.15
(1,88)	1:B:15:GLU:HB2	1:A:9:GLU:HG3	10	0.15
(1,88)	1:B:15:GLU:HB3	1:A:9:GLU:HG2	10	0.15
(1,88)	1:B:15:GLU:HB3	1:A:9:GLU:HG3	10	0.15
(1,88)	1:B:15:GLU:HB2	1:A:9:GLU:HG2	15	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,88)	1:B:15:GLU:HB2	1:A:9:GLU:HG3	15	0.15
(1,88)	1:B:15:GLU:HB3	1:A:9:GLU:HG2	15	0.15
(1,88)	1:B:15:GLU:HB3	1:A:9:GLU:HG3	15	0.15
(1,88)	1:B:15:GLU:HB2	1:A:9:GLU:HG2	19	0.15
(1,88)	1:B:15:GLU:HB2	1:A:9:GLU:HG3	19	0.15
(1,88)	1:B:15:GLU:HB3	1:A:9:GLU:HG2	19	0.15
(1,88)	1:B:15:GLU:HB3	1:A:9:GLU:HG3	19	0.15
(1,88)	1:B:15:GLU:HB2	1:A:9:GLU:HG2	20	0.15
(1,88)	1:B:15:GLU:HB2	1:A:9:GLU:HG3	20	0.15
(1,88)	1:B:15:GLU:HB3	1:A:9:GLU:HG2	20	0.15
(1,88)	1:B:15:GLU:HB3	1:A:9:GLU:HG3	20	0.15
(1,87)	1:A:15:GLU:HB2	1:B:9:GLU:HG2	10	0.15
(1,87)	1:A:15:GLU:HB2	1:B:9:GLU:HG3	10	0.15
(1,87)	1:A:15:GLU:HB3	1:B:9:GLU:HG2	10	0.15
(1,87)	1:A:15:GLU:HB3	1:B:9:GLU:HG3	10	0.15
(1,87)	1:A:15:GLU:HB2	1:B:9:GLU:HG2	20	0.15
(1,87)	1:A:15:GLU:HB2	1:B:9:GLU:HG3	20	0.15
(1,87)	1:A:15:GLU:HB3	1:B:9:GLU:HG2	20	0.15
(1,87)	1:A:15:GLU:HB3	1:B:9:GLU:HG3	20	0.15
(1,686)	1:B:84:ILE:HB	1:B:83:LEU:HG	12	0.15
(1,686)	1:B:84:ILE:HB	1:B:83:LEU:HG	19	0.15
(1,685)	1:A:84:ILE:HB	1:A:83:LEU:HG	12	0.15
(1,674)	1:B:13:CYS:HB2	1:B:14:ILE:HG12	12	0.15
(1,674)	1:B:13:CYS:HB2	1:B:14:ILE:HG13	12	0.15
(1,673)	1:A:13:CYS:HB2	1:A:14:ILE:HG12	12	0.15
(1,673)	1:A:13:CYS:HB2	1:A:14:ILE:HG13	12	0.15
(1,621)	1:A:63:MET:H	1:A:62:ARG:HG2	11	0.15
(1,610)	1:B:63:MET:H	1:B:62:ARG:HG2	8	0.15
(1,610)	1:B:63:MET:H	1:B:62:ARG:HG2	17	0.15
(1,609)	1:A:63:MET:H	1:A:62:ARG:HG2	8	0.15
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD22	3	0.15
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD21	3	0.15
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD23	3	0.15
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD12	3	0.15
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD11	3	0.15
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD13	3	0.15
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD22	8	0.15
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD21	8	0.15
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD23	8	0.15
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD12	8	0.15
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD11	8	0.15
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD13	8	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD22	19	0.15
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD21	19	0.15
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD23	19	0.15
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD12	19	0.15
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD11	19	0.15
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD13	19	0.15
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD22	3	0.15
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD21	3	0.15
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD23	3	0.15
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD12	3	0.15
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD11	3	0.15
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD13	3	0.15
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD22	8	0.15
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD21	8	0.15
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD23	8	0.15
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD12	8	0.15
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD11	8	0.15
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD13	8	0.15
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD22	19	0.15
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD21	19	0.15
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD23	19	0.15
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD12	19	0.15
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD11	19	0.15
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD13	19	0.15
(1,5622)	1:B:47:LEU:H	1:B:45:THR:HG21	1	0.15
(1,5622)	1:B:47:LEU:H	1:B:45:THR:HG22	1	0.15
(1,5622)	1:B:47:LEU:H	1:B:45:THR:HG23	1	0.15
(1,5622)	1:B:47:LEU:H	1:B:48:ALA:HB2	1	0.15
(1,5622)	1:B:47:LEU:H	1:B:48:ALA:HB1	1	0.15
(1,5622)	1:B:47:LEU:H	1:B:48:ALA:HB3	1	0.15
(1,5621)	1:A:47:LEU:H	1:A:45:THR:HG21	1	0.15
(1,5621)	1:A:47:LEU:H	1:A:45:THR:HG22	1	0.15
(1,5621)	1:A:47:LEU:H	1:A:45:THR:HG23	1	0.15
(1,5621)	1:A:47:LEU:H	1:A:48:ALA:HB2	1	0.15
(1,5621)	1:A:47:LEU:H	1:A:48:ALA:HB1	1	0.15
(1,5621)	1:A:47:LEU:H	1:A:48:ALA:HB3	1	0.15
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG22	1	0.15
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG21	1	0.15
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG23	1	0.15
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG12	1	0.15
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG11	1	0.15
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG13	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG22	6	0.15
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG21	6	0.15
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG23	6	0.15
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG12	6	0.15
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG11	6	0.15
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG13	6	0.15
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG22	8	0.15
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG21	8	0.15
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG23	8	0.15
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG12	8	0.15
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG11	8	0.15
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG13	8	0.15
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG22	11	0.15
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG21	11	0.15
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG23	11	0.15
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG12	11	0.15
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG11	11	0.15
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG13	11	0.15
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG22	19	0.15
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG21	19	0.15
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG23	19	0.15
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG12	19	0.15
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG11	19	0.15
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG13	19	0.15
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG22	4	0.15
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG21	4	0.15
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG23	4	0.15
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG12	4	0.15
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG11	4	0.15
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG13	4	0.15
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG22	8	0.15
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG21	8	0.15
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG23	8	0.15
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG12	8	0.15
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG11	8	0.15
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG13	8	0.15
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG22	11	0.15
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG21	11	0.15
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG23	11	0.15
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG12	11	0.15
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG11	11	0.15
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG13	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG22	19	0.15
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG21	19	0.15
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG23	19	0.15
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG12	19	0.15
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG11	19	0.15
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG13	19	0.15
(1,5556)	1:B:68:ASP:H	1:B:66:LYS:HG2	20	0.15
(1,5556)	1:B:68:ASP:H	1:B:66:LYS:HG3	20	0.15
(1,5556)	1:B:68:ASP:H	1:B:67:LEU:HB3	20	0.15
(1,5555)	1:A:68:ASP:H	1:A:66:LYS:HG2	20	0.15
(1,5555)	1:A:68:ASP:H	1:A:66:LYS:HG3	20	0.15
(1,5555)	1:A:68:ASP:H	1:A:67:LEU:HB3	20	0.15
(1,5495)	1:A:59:VAL:H	1:A:61:ASP:HB2	11	0.15
(1,5495)	1:A:59:VAL:H	1:A:61:ASP:HB3	11	0.15
(1,5495)	1:A:90:ALA:H	1:A:89:MET:HG2	11	0.15
(1,5495)	1:A:90:ALA:H	1:A:93:ASP:HB2	11	0.15
(1,5480)	1:B:86:GLY:H	1:B:67:LEU:HD22	4	0.15
(1,5480)	1:B:86:GLY:H	1:B:67:LEU:HD21	4	0.15
(1,5480)	1:B:86:GLY:H	1:B:67:LEU:HD23	4	0.15
(1,5480)	1:B:86:GLY:H	1:B:67:LEU:HD12	4	0.15
(1,5480)	1:B:86:GLY:H	1:B:67:LEU:HD11	4	0.15
(1,5480)	1:B:86:GLY:H	1:B:67:LEU:HD13	4	0.15
(1,5480)	1:B:86:GLY:H	1:B:83:LEU:HD22	4	0.15
(1,5480)	1:B:86:GLY:H	1:B:83:LEU:HD21	4	0.15
(1,5480)	1:B:86:GLY:H	1:B:83:LEU:HD23	4	0.15
(1,5479)	1:A:86:GLY:H	1:A:67:LEU:HD22	4	0.15
(1,5479)	1:A:86:GLY:H	1:A:67:LEU:HD21	4	0.15
(1,5479)	1:A:86:GLY:H	1:A:67:LEU:HD23	4	0.15
(1,5479)	1:A:86:GLY:H	1:A:67:LEU:HD12	4	0.15
(1,5479)	1:A:86:GLY:H	1:A:67:LEU:HD11	4	0.15
(1,5479)	1:A:86:GLY:H	1:A:67:LEU:HD13	4	0.15
(1,5479)	1:A:86:GLY:H	1:A:83:LEU:HD22	4	0.15
(1,5479)	1:A:86:GLY:H	1:A:83:LEU:HD21	4	0.15
(1,5479)	1:A:86:GLY:H	1:A:83:LEU:HD23	4	0.15
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG22	7	0.15
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG21	7	0.15
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG23	7	0.15
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD12	7	0.15
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD11	7	0.15
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD13	7	0.15
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD22	7	0.15
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD21	7	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD23	7	0.15
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG22	7	0.15
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG21	7	0.15
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG23	7	0.15
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD12	7	0.15
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD11	7	0.15
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD13	7	0.15
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD22	7	0.15
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD21	7	0.15
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD23	7	0.15
(1,5352)	1:B:41:SER:H	1:B:39:PHE:HB3	5	0.15
(1,5352)	1:B:41:SER:H	1:B:42:PHE:HB2	5	0.15
(1,5351)	1:A:41:SER:H	1:A:39:PHE:HB3	5	0.15
(1,5351)	1:A:41:SER:H	1:A:42:PHE:HB2	5	0.15
(1,5306)	1:B:46:GLU:H	1:B:44:ASN:HB3	8	0.15
(1,5306)	1:B:81:LEU:H	1:B:82:ASN:HB3	8	0.15
(1,5306)	1:B:81:LEU:H	1:A:89:MET:HG2	8	0.15
(1,5305)	1:A:46:GLU:H	1:A:44:ASN:HB3	8	0.15
(1,5305)	1:A:81:LEU:H	1:A:82:ASN:HB3	8	0.15
(1,5305)	1:A:81:LEU:H	1:B:89:MET:HG2	8	0.15
(1,5214)	1:B:77:PHE:H	1:B:34:LEU:HB3	1	0.15
(1,5214)	1:B:77:PHE:H	1:B:81:LEU:HB2	1	0.15
(1,5214)	1:B:77:PHE:H	1:A:88:ALA:HB2	1	0.15
(1,5214)	1:B:77:PHE:H	1:A:88:ALA:HB1	1	0.15
(1,5214)	1:B:77:PHE:H	1:A:88:ALA:HB3	1	0.15
(1,5214)	1:B:77:PHE:H	1:A:96:LEU:HB2	1	0.15
(1,5214)	1:B:77:PHE:H	1:B:34:LEU:HB3	14	0.15
(1,5214)	1:B:77:PHE:H	1:B:81:LEU:HB2	14	0.15
(1,5214)	1:B:77:PHE:H	1:A:88:ALA:HB2	14	0.15
(1,5214)	1:B:77:PHE:H	1:A:88:ALA:HB1	14	0.15
(1,5214)	1:B:77:PHE:H	1:A:88:ALA:HB3	14	0.15
(1,5214)	1:B:77:PHE:H	1:A:96:LEU:HB2	14	0.15
(1,5213)	1:A:77:PHE:H	1:A:34:LEU:HB3	1	0.15
(1,5213)	1:A:77:PHE:H	1:A:81:LEU:HB2	1	0.15
(1,5213)	1:A:77:PHE:H	1:B:88:ALA:HB2	1	0.15
(1,5213)	1:A:77:PHE:H	1:B:88:ALA:HB1	1	0.15
(1,5213)	1:A:77:PHE:H	1:B:88:ALA:HB3	1	0.15
(1,5213)	1:A:77:PHE:H	1:B:96:LEU:HB2	1	0.15
(1,5213)	1:A:77:PHE:H	1:A:34:LEU:HB3	14	0.15
(1,5213)	1:A:77:PHE:H	1:A:81:LEU:HB2	14	0.15
(1,5213)	1:A:77:PHE:H	1:B:88:ALA:HB2	14	0.15
(1,5213)	1:A:77:PHE:H	1:B:88:ALA:HB1	14	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5213)	1:A:77:PHE:H	1:B:88:ALA:HB3	14	0.15
(1,5213)	1:A:77:PHE:H	1:B:96:LEU:HB2	14	0.15
(1,5196)	1:B:73:GLY:H	1:B:75:LEU:HB3	4	0.15
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG21	4	0.15
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG22	4	0.15
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG23	4	0.15
(1,5196)	1:B:73:GLY:H	1:B:75:LEU:HB3	7	0.15
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG21	7	0.15
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG22	7	0.15
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG23	7	0.15
(1,5196)	1:B:73:GLY:H	1:B:75:LEU:HB3	19	0.15
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG21	19	0.15
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG22	19	0.15
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG23	19	0.15
(1,5195)	1:A:73:GLY:H	1:A:75:LEU:HB3	3	0.15
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG21	3	0.15
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG22	3	0.15
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG23	3	0.15
(1,5195)	1:A:73:GLY:H	1:A:75:LEU:HB3	4	0.15
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG21	4	0.15
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG22	4	0.15
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG23	4	0.15
(1,5195)	1:A:73:GLY:H	1:A:75:LEU:HB3	7	0.15
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG21	7	0.15
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG22	7	0.15
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG23	7	0.15
(1,5195)	1:A:73:GLY:H	1:A:75:LEU:HB3	10	0.15
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG21	10	0.15
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG22	10	0.15
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG23	10	0.15
(1,5195)	1:A:73:GLY:H	1:A:75:LEU:HB3	12	0.15
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG21	12	0.15
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG22	12	0.15
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG23	12	0.15
(1,5195)	1:A:73:GLY:H	1:A:75:LEU:HB3	19	0.15
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG21	19	0.15
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG22	19	0.15
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG23	19	0.15
(1,5030)	1:B:62:ARG:HG3	1:B:62:ARG:HA	19	0.15
(1,5030)	1:B:65:LYS:HG2	1:B:65:LYS:HA	19	0.15
(1,5030)	1:B:65:LYS:HG3	1:B:65:LYS:HA	19	0.15
(1,5029)	1:A:62:ARG:HG3	1:A:62:ARG:HA	19	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5029)	1:A:65:LYS:HG2	1:A:65:LYS:HA	19	0.15
(1,5029)	1:A:65:LYS:HG3	1:A:65:LYS:HA	19	0.15
(1,5020)	1:B:69:THR:HG21	1:B:69:THR:HA	7	0.15
(1,5020)	1:B:69:THR:HG22	1:B:69:THR:HA	7	0.15
(1,5020)	1:B:69:THR:HG23	1:B:69:THR:HA	7	0.15
(1,5020)	1:B:20:VAL:HG12	1:B:16:SER:HB3	7	0.15
(1,5020)	1:B:20:VAL:HG11	1:B:16:SER:HB3	7	0.15
(1,5020)	1:B:20:VAL:HG13	1:B:16:SER:HB3	7	0.15
(1,5020)	1:B:20:VAL:HA	1:B:20:VAL:HG12	7	0.15
(1,5020)	1:B:20:VAL:HA	1:B:20:VAL:HG11	7	0.15
(1,5020)	1:B:20:VAL:HA	1:B:20:VAL:HG13	7	0.15
(1,5019)	1:A:69:THR:HG21	1:A:69:THR:HA	7	0.15
(1,5019)	1:A:69:THR:HG22	1:A:69:THR:HA	7	0.15
(1,5019)	1:A:69:THR:HG23	1:A:69:THR:HA	7	0.15
(1,5019)	1:A:20:VAL:HG12	1:A:16:SER:HB3	7	0.15
(1,5019)	1:A:20:VAL:HG11	1:A:16:SER:HB3	7	0.15
(1,5019)	1:A:20:VAL:HG13	1:A:16:SER:HB3	7	0.15
(1,5019)	1:A:20:VAL:HA	1:A:20:VAL:HG12	7	0.15
(1,5019)	1:A:20:VAL:HA	1:A:20:VAL:HG11	7	0.15
(1,5019)	1:A:20:VAL:HA	1:A:20:VAL:HG13	7	0.15
(1,50)	1:B:20:VAL:HG12	1:A:9:GLU:HG2	15	0.15
(1,50)	1:B:20:VAL:HG12	1:A:9:GLU:HG3	15	0.15
(1,50)	1:B:20:VAL:HG11	1:A:9:GLU:HG2	15	0.15
(1,50)	1:B:20:VAL:HG11	1:A:9:GLU:HG3	15	0.15
(1,50)	1:B:20:VAL:HG13	1:A:9:GLU:HG2	15	0.15
(1,50)	1:B:20:VAL:HG13	1:A:9:GLU:HG3	15	0.15
(1,4936)	1:B:67:LEU:HD12	1:B:33:THR:HG21	3	0.15
(1,4936)	1:B:67:LEU:HD12	1:B:33:THR:HG22	3	0.15
(1,4936)	1:B:67:LEU:HD12	1:B:33:THR:HG23	3	0.15
(1,4936)	1:B:67:LEU:HD11	1:B:33:THR:HG21	3	0.15
(1,4936)	1:B:67:LEU:HD11	1:B:33:THR:HG22	3	0.15
(1,4936)	1:B:67:LEU:HD11	1:B:33:THR:HG23	3	0.15
(1,4936)	1:B:67:LEU:HD13	1:B:33:THR:HG21	3	0.15
(1,4936)	1:B:67:LEU:HD13	1:B:33:THR:HG22	3	0.15
(1,4936)	1:B:67:LEU:HD13	1:B:33:THR:HG23	3	0.15
(1,4936)	1:B:67:LEU:HD12	1:B:47:LEU:HG	3	0.15
(1,4936)	1:B:67:LEU:HD11	1:B:47:LEU:HG	3	0.15
(1,4936)	1:B:67:LEU:HD13	1:B:47:LEU:HG	3	0.15
(1,4936)	1:B:67:LEU:HD12	1:B:59:VAL:HG12	3	0.15
(1,4936)	1:B:67:LEU:HD12	1:B:59:VAL:HG11	3	0.15
(1,4936)	1:B:67:LEU:HD12	1:B:59:VAL:HG13	3	0.15
(1,4936)	1:B:67:LEU:HD11	1:B:59:VAL:HG12	3	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4936)	1:B:67:LEU:HD11	1:B:59:VAL:HG11	3	0.15
(1,4936)	1:B:67:LEU:HD11	1:B:59:VAL:HG13	3	0.15
(1,4936)	1:B:67:LEU:HD13	1:B:59:VAL:HG12	3	0.15
(1,4936)	1:B:67:LEU:HD13	1:B:59:VAL:HG11	3	0.15
(1,4936)	1:B:67:LEU:HD13	1:B:59:VAL:HG13	3	0.15
(1,4936)	1:B:67:LEU:HD12	1:B:33:THR:HG21	17	0.15
(1,4936)	1:B:67:LEU:HD12	1:B:33:THR:HG22	17	0.15
(1,4936)	1:B:67:LEU:HD12	1:B:33:THR:HG23	17	0.15
(1,4936)	1:B:67:LEU:HD11	1:B:33:THR:HG21	17	0.15
(1,4936)	1:B:67:LEU:HD11	1:B:33:THR:HG22	17	0.15
(1,4936)	1:B:67:LEU:HD11	1:B:33:THR:HG23	17	0.15
(1,4936)	1:B:67:LEU:HD13	1:B:33:THR:HG21	17	0.15
(1,4936)	1:B:67:LEU:HD13	1:B:33:THR:HG22	17	0.15
(1,4936)	1:B:67:LEU:HD13	1:B:33:THR:HG23	17	0.15
(1,4936)	1:B:67:LEU:HD12	1:B:47:LEU:HG	17	0.15
(1,4936)	1:B:67:LEU:HD11	1:B:47:LEU:HG	17	0.15
(1,4936)	1:B:67:LEU:HD13	1:B:47:LEU:HG	17	0.15
(1,4936)	1:B:67:LEU:HD12	1:B:59:VAL:HG12	17	0.15
(1,4936)	1:B:67:LEU:HD12	1:B:59:VAL:HG11	17	0.15
(1,4936)	1:B:67:LEU:HD12	1:B:59:VAL:HG13	17	0.15
(1,4936)	1:B:67:LEU:HD11	1:B:59:VAL:HG12	17	0.15
(1,4936)	1:B:67:LEU:HD11	1:B:59:VAL:HG11	17	0.15
(1,4936)	1:B:67:LEU:HD11	1:B:59:VAL:HG13	17	0.15
(1,4936)	1:B:67:LEU:HD13	1:B:59:VAL:HG12	17	0.15
(1,4936)	1:B:67:LEU:HD13	1:B:59:VAL:HG11	17	0.15
(1,4936)	1:B:67:LEU:HD13	1:B:59:VAL:HG13	17	0.15
(1,4935)	1:A:67:LEU:HD12	1:A:33:THR:HG21	3	0.15
(1,4935)	1:A:67:LEU:HD12	1:A:33:THR:HG22	3	0.15
(1,4935)	1:A:67:LEU:HD12	1:A:33:THR:HG23	3	0.15
(1,4935)	1:A:67:LEU:HD11	1:A:33:THR:HG21	3	0.15
(1,4935)	1:A:67:LEU:HD11	1:A:33:THR:HG22	3	0.15
(1,4935)	1:A:67:LEU:HD11	1:A:33:THR:HG23	3	0.15
(1,4935)	1:A:67:LEU:HD13	1:A:33:THR:HG21	3	0.15
(1,4935)	1:A:67:LEU:HD13	1:A:33:THR:HG22	3	0.15
(1,4935)	1:A:67:LEU:HD13	1:A:33:THR:HG23	3	0.15
(1,4935)	1:A:67:LEU:HD12	1:A:47:LEU:HG	3	0.15
(1,4935)	1:A:67:LEU:HD11	1:A:47:LEU:HG	3	0.15
(1,4935)	1:A:67:LEU:HD13	1:A:47:LEU:HG	3	0.15
(1,4935)	1:A:67:LEU:HD12	1:A:59:VAL:HG12	3	0.15
(1,4935)	1:A:67:LEU:HD12	1:A:59:VAL:HG11	3	0.15
(1,4935)	1:A:67:LEU:HD12	1:A:59:VAL:HG13	3	0.15
(1,4935)	1:A:67:LEU:HD11	1:A:59:VAL:HG12	3	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4935)	1:A:67:LEU:HD11	1:A:59:VAL:HG11	3	0.15
(1,4935)	1:A:67:LEU:HD11	1:A:59:VAL:HG13	3	0.15
(1,4935)	1:A:67:LEU:HD13	1:A:59:VAL:HG12	3	0.15
(1,4935)	1:A:67:LEU:HD13	1:A:59:VAL:HG11	3	0.15
(1,4935)	1:A:67:LEU:HD13	1:A:59:VAL:HG13	3	0.15
(1,4935)	1:A:67:LEU:HD12	1:A:33:THR:HG21	17	0.15
(1,4935)	1:A:67:LEU:HD12	1:A:33:THR:HG22	17	0.15
(1,4935)	1:A:67:LEU:HD12	1:A:33:THR:HG23	17	0.15
(1,4935)	1:A:67:LEU:HD11	1:A:33:THR:HG21	17	0.15
(1,4935)	1:A:67:LEU:HD11	1:A:33:THR:HG22	17	0.15
(1,4935)	1:A:67:LEU:HD11	1:A:33:THR:HG23	17	0.15
(1,4935)	1:A:67:LEU:HD13	1:A:33:THR:HG21	17	0.15
(1,4935)	1:A:67:LEU:HD13	1:A:33:THR:HG22	17	0.15
(1,4935)	1:A:67:LEU:HD13	1:A:33:THR:HG23	17	0.15
(1,4935)	1:A:67:LEU:HD12	1:A:47:LEU:HG	17	0.15
(1,4935)	1:A:67:LEU:HD11	1:A:47:LEU:HG	17	0.15
(1,4935)	1:A:67:LEU:HD13	1:A:47:LEU:HG	17	0.15
(1,4935)	1:A:67:LEU:HD12	1:A:59:VAL:HG12	17	0.15
(1,4935)	1:A:67:LEU:HD12	1:A:59:VAL:HG11	17	0.15
(1,4935)	1:A:67:LEU:HD12	1:A:59:VAL:HG13	17	0.15
(1,4935)	1:A:67:LEU:HD11	1:A:59:VAL:HG12	17	0.15
(1,4935)	1:A:67:LEU:HD11	1:A:59:VAL:HG11	17	0.15
(1,4935)	1:A:67:LEU:HD11	1:A:59:VAL:HG13	17	0.15
(1,4935)	1:A:67:LEU:HD13	1:A:59:VAL:HG12	17	0.15
(1,4935)	1:A:67:LEU:HD13	1:A:59:VAL:HG11	17	0.15
(1,4935)	1:A:67:LEU:HD13	1:A:59:VAL:HG13	17	0.15
(1,49)	1:A:20:VAL:HG12	1:B:9:GLU:HG2	15	0.15
(1,49)	1:A:20:VAL:HG12	1:B:9:GLU:HG3	15	0.15
(1,49)	1:A:20:VAL:HG11	1:B:9:GLU:HG2	15	0.15
(1,49)	1:A:20:VAL:HG11	1:B:9:GLU:HG3	15	0.15
(1,49)	1:A:20:VAL:HG13	1:B:9:GLU:HG2	15	0.15
(1,49)	1:A:20:VAL:HG13	1:B:9:GLU:HG3	15	0.15
(1,482)	1:B:8:THR:HA	1:B:10:THR:HG21	9	0.15
(1,482)	1:B:8:THR:HA	1:B:10:THR:HG22	9	0.15
(1,482)	1:B:8:THR:HA	1:B:10:THR:HG23	9	0.15
(1,481)	1:A:8:THR:HA	1:A:10:THR:HG21	9	0.15
(1,481)	1:A:8:THR:HA	1:A:10:THR:HG22	9	0.15
(1,481)	1:A:8:THR:HA	1:A:10:THR:HG23	9	0.15
(1,4780)	1:B:10:THR:HB	1:B:14:ILE:HD12	9	0.15
(1,4780)	1:B:10:THR:HB	1:B:14:ILE:HD11	9	0.15
(1,4780)	1:B:10:THR:HB	1:B:14:ILE:HD13	9	0.15
(1,4780)	1:B:14:ILE:HD12	1:A:88:ALA:HA	9	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4780)	1:B:14:ILE:HD11	1:A:88:ALA:HA	9	0.15
(1,4780)	1:B:14:ILE:HD13	1:A:88:ALA:HA	9	0.15
(1,4780)	1:B:10:THR:HB	1:B:14:ILE:HD12	18	0.15
(1,4780)	1:B:10:THR:HB	1:B:14:ILE:HD11	18	0.15
(1,4780)	1:B:10:THR:HB	1:B:14:ILE:HD13	18	0.15
(1,4780)	1:B:14:ILE:HD12	1:A:88:ALA:HA	18	0.15
(1,4780)	1:B:14:ILE:HD11	1:A:88:ALA:HA	18	0.15
(1,4780)	1:B:14:ILE:HD13	1:A:88:ALA:HA	18	0.15
(1,4779)	1:A:10:THR:HB	1:A:14:ILE:HD12	18	0.15
(1,4779)	1:A:10:THR:HB	1:A:14:ILE:HD11	18	0.15
(1,4779)	1:A:10:THR:HB	1:A:14:ILE:HD13	18	0.15
(1,4779)	1:A:14:ILE:HD12	1:B:88:ALA:HA	18	0.15
(1,4779)	1:A:14:ILE:HD11	1:B:88:ALA:HA	18	0.15
(1,4779)	1:A:14:ILE:HD13	1:B:88:ALA:HA	18	0.15
(1,4733)	1:A:8:THR:HG21	1:B:46:GLU:HB2	9	0.15
(1,4733)	1:A:8:THR:HG22	1:B:46:GLU:HB2	9	0.15
(1,4733)	1:A:8:THR:HG23	1:B:46:GLU:HB2	9	0.15
(1,4733)	1:A:20:VAL:HG22	1:A:46:GLU:HB2	9	0.15
(1,4733)	1:A:20:VAL:HG21	1:A:46:GLU:HB2	9	0.15
(1,4733)	1:A:20:VAL:HG23	1:A:46:GLU:HB2	9	0.15
(1,4688)	1:B:17:LEU:HD22	1:B:21:PHE:H	2	0.15
(1,4688)	1:B:17:LEU:HD21	1:B:21:PHE:H	2	0.15
(1,4688)	1:B:17:LEU:HD23	1:B:21:PHE:H	2	0.15
(1,4688)	1:B:38:GLU:H	1:B:40:LEU:HD22	2	0.15
(1,4688)	1:B:38:GLU:H	1:B:40:LEU:HD21	2	0.15
(1,4688)	1:B:38:GLU:H	1:B:40:LEU:HD23	2	0.15
(1,4688)	1:B:41:SER:H	1:B:40:LEU:HD22	2	0.15
(1,4688)	1:B:41:SER:H	1:B:40:LEU:HD21	2	0.15
(1,4688)	1:B:41:SER:H	1:B:40:LEU:HD23	2	0.15
(1,4688)	1:B:61:ASP:H	1:B:40:LEU:HD22	2	0.15
(1,4688)	1:B:61:ASP:H	1:B:40:LEU:HD21	2	0.15
(1,4688)	1:B:61:ASP:H	1:B:40:LEU:HD23	2	0.15
(1,4688)	1:B:61:ASP:H	1:B:60:LEU:HD22	2	0.15
(1,4688)	1:B:61:ASP:H	1:B:60:LEU:HD21	2	0.15
(1,4688)	1:B:61:ASP:H	1:B:60:LEU:HD23	2	0.15
(1,4688)	1:B:17:LEU:HD22	1:B:21:PHE:H	12	0.15
(1,4688)	1:B:17:LEU:HD21	1:B:21:PHE:H	12	0.15
(1,4688)	1:B:17:LEU:HD23	1:B:21:PHE:H	12	0.15
(1,4688)	1:B:38:GLU:H	1:B:40:LEU:HD22	12	0.15
(1,4688)	1:B:38:GLU:H	1:B:40:LEU:HD21	12	0.15
(1,4688)	1:B:38:GLU:H	1:B:40:LEU:HD23	12	0.15
(1,4688)	1:B:41:SER:H	1:B:40:LEU:HD22	12	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4688)	1:B:41:SER:H	1:B:40:LEU:HD21	12	0.15
(1,4688)	1:B:41:SER:H	1:B:40:LEU:HD23	12	0.15
(1,4688)	1:B:61:ASP:H	1:B:40:LEU:HD22	12	0.15
(1,4688)	1:B:61:ASP:H	1:B:40:LEU:HD21	12	0.15
(1,4688)	1:B:61:ASP:H	1:B:40:LEU:HD23	12	0.15
(1,4688)	1:B:61:ASP:H	1:B:60:LEU:HD22	12	0.15
(1,4688)	1:B:61:ASP:H	1:B:60:LEU:HD21	12	0.15
(1,4688)	1:B:61:ASP:H	1:B:60:LEU:HD23	12	0.15
(1,4688)	1:B:17:LEU:HD22	1:B:21:PHE:H	14	0.15
(1,4688)	1:B:17:LEU:HD21	1:B:21:PHE:H	14	0.15
(1,4688)	1:B:17:LEU:HD23	1:B:21:PHE:H	14	0.15
(1,4688)	1:B:38:GLU:H	1:B:40:LEU:HD22	14	0.15
(1,4688)	1:B:38:GLU:H	1:B:40:LEU:HD21	14	0.15
(1,4688)	1:B:38:GLU:H	1:B:40:LEU:HD23	14	0.15
(1,4688)	1:B:41:SER:H	1:B:40:LEU:HD22	14	0.15
(1,4688)	1:B:41:SER:H	1:B:40:LEU:HD21	14	0.15
(1,4688)	1:B:41:SER:H	1:B:40:LEU:HD23	14	0.15
(1,4688)	1:B:61:ASP:H	1:B:40:LEU:HD22	14	0.15
(1,4688)	1:B:61:ASP:H	1:B:40:LEU:HD21	14	0.15
(1,4688)	1:B:61:ASP:H	1:B:40:LEU:HD23	14	0.15
(1,4688)	1:B:61:ASP:H	1:B:60:LEU:HD22	14	0.15
(1,4688)	1:B:61:ASP:H	1:B:60:LEU:HD21	14	0.15
(1,4688)	1:B:61:ASP:H	1:B:60:LEU:HD23	14	0.15
(1,4688)	1:B:17:LEU:HD22	1:B:21:PHE:H	15	0.15
(1,4688)	1:B:17:LEU:HD21	1:B:21:PHE:H	15	0.15
(1,4688)	1:B:17:LEU:HD23	1:B:21:PHE:H	15	0.15
(1,4688)	1:B:38:GLU:H	1:B:40:LEU:HD22	15	0.15
(1,4688)	1:B:38:GLU:H	1:B:40:LEU:HD21	15	0.15
(1,4688)	1:B:38:GLU:H	1:B:40:LEU:HD23	15	0.15
(1,4688)	1:B:41:SER:H	1:B:40:LEU:HD22	15	0.15
(1,4688)	1:B:41:SER:H	1:B:40:LEU:HD21	15	0.15
(1,4688)	1:B:41:SER:H	1:B:40:LEU:HD23	15	0.15
(1,4688)	1:B:61:ASP:H	1:B:40:LEU:HD22	15	0.15
(1,4688)	1:B:61:ASP:H	1:B:40:LEU:HD21	15	0.15
(1,4688)	1:B:61:ASP:H	1:B:40:LEU:HD23	15	0.15
(1,4688)	1:B:61:ASP:H	1:B:60:LEU:HD22	15	0.15
(1,4688)	1:B:61:ASP:H	1:B:60:LEU:HD21	15	0.15
(1,4688)	1:B:61:ASP:H	1:B:60:LEU:HD23	15	0.15
(1,4688)	1:B:17:LEU:HD22	1:B:21:PHE:H	16	0.15
(1,4688)	1:B:17:LEU:HD21	1:B:21:PHE:H	16	0.15
(1,4688)	1:B:17:LEU:HD23	1:B:21:PHE:H	16	0.15
(1,4688)	1:B:38:GLU:H	1:B:40:LEU:HD22	16	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4688)	1:B:38:GLU:H	1:B:40:LEU:HD21	16	0.15
(1,4688)	1:B:38:GLU:H	1:B:40:LEU:HD23	16	0.15
(1,4688)	1:B:41:SER:H	1:B:40:LEU:HD22	16	0.15
(1,4688)	1:B:41:SER:H	1:B:40:LEU:HD21	16	0.15
(1,4688)	1:B:41:SER:H	1:B:40:LEU:HD23	16	0.15
(1,4688)	1:B:61:ASP:H	1:B:40:LEU:HD22	16	0.15
(1,4688)	1:B:61:ASP:H	1:B:40:LEU:HD21	16	0.15
(1,4688)	1:B:61:ASP:H	1:B:40:LEU:HD23	16	0.15
(1,4688)	1:B:61:ASP:H	1:B:60:LEU:HD22	16	0.15
(1,4688)	1:B:61:ASP:H	1:B:60:LEU:HD21	16	0.15
(1,4688)	1:B:61:ASP:H	1:B:60:LEU:HD23	16	0.15
(1,4687)	1:A:17:LEU:HD22	1:A:21:PHE:H	2	0.15
(1,4687)	1:A:17:LEU:HD21	1:A:21:PHE:H	2	0.15
(1,4687)	1:A:17:LEU:HD23	1:A:21:PHE:H	2	0.15
(1,4687)	1:A:38:GLU:H	1:A:40:LEU:HD22	2	0.15
(1,4687)	1:A:38:GLU:H	1:A:40:LEU:HD21	2	0.15
(1,4687)	1:A:38:GLU:H	1:A:40:LEU:HD23	2	0.15
(1,4687)	1:A:41:SER:H	1:A:40:LEU:HD22	2	0.15
(1,4687)	1:A:41:SER:H	1:A:40:LEU:HD21	2	0.15
(1,4687)	1:A:41:SER:H	1:A:40:LEU:HD23	2	0.15
(1,4687)	1:A:61:ASP:H	1:A:40:LEU:HD22	2	0.15
(1,4687)	1:A:61:ASP:H	1:A:40:LEU:HD21	2	0.15
(1,4687)	1:A:61:ASP:H	1:A:40:LEU:HD23	2	0.15
(1,4687)	1:A:61:ASP:H	1:A:60:LEU:HD22	2	0.15
(1,4687)	1:A:61:ASP:H	1:A:60:LEU:HD21	2	0.15
(1,4687)	1:A:61:ASP:H	1:A:60:LEU:HD23	2	0.15
(1,4687)	1:A:17:LEU:HD22	1:A:21:PHE:H	5	0.15
(1,4687)	1:A:17:LEU:HD21	1:A:21:PHE:H	5	0.15
(1,4687)	1:A:17:LEU:HD23	1:A:21:PHE:H	5	0.15
(1,4687)	1:A:38:GLU:H	1:A:40:LEU:HD22	5	0.15
(1,4687)	1:A:38:GLU:H	1:A:40:LEU:HD21	5	0.15
(1,4687)	1:A:38:GLU:H	1:A:40:LEU:HD23	5	0.15
(1,4687)	1:A:41:SER:H	1:A:40:LEU:HD22	5	0.15
(1,4687)	1:A:41:SER:H	1:A:40:LEU:HD21	5	0.15
(1,4687)	1:A:41:SER:H	1:A:40:LEU:HD23	5	0.15
(1,4687)	1:A:61:ASP:H	1:A:40:LEU:HD22	5	0.15
(1,4687)	1:A:61:ASP:H	1:A:40:LEU:HD21	5	0.15
(1,4687)	1:A:61:ASP:H	1:A:40:LEU:HD23	5	0.15
(1,4687)	1:A:61:ASP:H	1:A:60:LEU:HD22	5	0.15
(1,4687)	1:A:61:ASP:H	1:A:60:LEU:HD21	5	0.15
(1,4687)	1:A:61:ASP:H	1:A:60:LEU:HD23	5	0.15
(1,4687)	1:A:17:LEU:HD22	1:A:21:PHE:H	12	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4687)	1:A:17:LEU:HD21	1:A:21:PHE:H	12	0.15
(1,4687)	1:A:17:LEU:HD23	1:A:21:PHE:H	12	0.15
(1,4687)	1:A:38:GLU:H	1:A:40:LEU:HD22	12	0.15
(1,4687)	1:A:38:GLU:H	1:A:40:LEU:HD21	12	0.15
(1,4687)	1:A:38:GLU:H	1:A:40:LEU:HD23	12	0.15
(1,4687)	1:A:41:SER:H	1:A:40:LEU:HD22	12	0.15
(1,4687)	1:A:41:SER:H	1:A:40:LEU:HD21	12	0.15
(1,4687)	1:A:41:SER:H	1:A:40:LEU:HD23	12	0.15
(1,4687)	1:A:61:ASP:H	1:A:40:LEU:HD22	12	0.15
(1,4687)	1:A:61:ASP:H	1:A:40:LEU:HD21	12	0.15
(1,4687)	1:A:61:ASP:H	1:A:40:LEU:HD23	12	0.15
(1,4687)	1:A:61:ASP:H	1:A:60:LEU:HD22	12	0.15
(1,4687)	1:A:61:ASP:H	1:A:60:LEU:HD21	12	0.15
(1,4687)	1:A:61:ASP:H	1:A:60:LEU:HD23	12	0.15
(1,4687)	1:A:17:LEU:HD22	1:A:21:PHE:H	14	0.15
(1,4687)	1:A:17:LEU:HD21	1:A:21:PHE:H	14	0.15
(1,4687)	1:A:17:LEU:HD23	1:A:21:PHE:H	14	0.15
(1,4687)	1:A:38:GLU:H	1:A:40:LEU:HD22	14	0.15
(1,4687)	1:A:38:GLU:H	1:A:40:LEU:HD21	14	0.15
(1,4687)	1:A:38:GLU:H	1:A:40:LEU:HD23	14	0.15
(1,4687)	1:A:41:SER:H	1:A:40:LEU:HD22	14	0.15
(1,4687)	1:A:41:SER:H	1:A:40:LEU:HD21	14	0.15
(1,4687)	1:A:41:SER:H	1:A:40:LEU:HD23	14	0.15
(1,4687)	1:A:61:ASP:H	1:A:40:LEU:HD22	14	0.15
(1,4687)	1:A:61:ASP:H	1:A:40:LEU:HD21	14	0.15
(1,4687)	1:A:61:ASP:H	1:A:40:LEU:HD23	14	0.15
(1,4687)	1:A:61:ASP:H	1:A:60:LEU:HD22	14	0.15
(1,4687)	1:A:61:ASP:H	1:A:60:LEU:HD21	14	0.15
(1,4687)	1:A:61:ASP:H	1:A:60:LEU:HD23	14	0.15
(1,4687)	1:A:17:LEU:HD22	1:A:21:PHE:H	15	0.15
(1,4687)	1:A:17:LEU:HD21	1:A:21:PHE:H	15	0.15
(1,4687)	1:A:17:LEU:HD23	1:A:21:PHE:H	15	0.15
(1,4687)	1:A:38:GLU:H	1:A:40:LEU:HD22	15	0.15
(1,4687)	1:A:38:GLU:H	1:A:40:LEU:HD21	15	0.15
(1,4687)	1:A:38:GLU:H	1:A:40:LEU:HD23	15	0.15
(1,4687)	1:A:41:SER:H	1:A:40:LEU:HD22	15	0.15
(1,4687)	1:A:41:SER:H	1:A:40:LEU:HD21	15	0.15
(1,4687)	1:A:41:SER:H	1:A:40:LEU:HD23	15	0.15
(1,4687)	1:A:61:ASP:H	1:A:40:LEU:HD22	15	0.15
(1,4687)	1:A:61:ASP:H	1:A:40:LEU:HD21	15	0.15
(1,4687)	1:A:61:ASP:H	1:A:40:LEU:HD23	15	0.15
(1,4687)	1:A:61:ASP:H	1:A:60:LEU:HD22	15	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4687)	1:A:61:ASP:H	1:A:60:LEU:HD21	15	0.15
(1,4687)	1:A:61:ASP:H	1:A:60:LEU:HD23	15	0.15
(1,4687)	1:A:17:LEU:HD22	1:A:21:PHE:H	16	0.15
(1,4687)	1:A:17:LEU:HD21	1:A:21:PHE:H	16	0.15
(1,4687)	1:A:17:LEU:HD23	1:A:21:PHE:H	16	0.15
(1,4687)	1:A:38:GLU:H	1:A:40:LEU:HD22	16	0.15
(1,4687)	1:A:38:GLU:H	1:A:40:LEU:HD21	16	0.15
(1,4687)	1:A:38:GLU:H	1:A:40:LEU:HD23	16	0.15
(1,4687)	1:A:41:SER:H	1:A:40:LEU:HD22	16	0.15
(1,4687)	1:A:41:SER:H	1:A:40:LEU:HD21	16	0.15
(1,4687)	1:A:41:SER:H	1:A:40:LEU:HD23	16	0.15
(1,4687)	1:A:61:ASP:H	1:A:40:LEU:HD22	16	0.15
(1,4687)	1:A:61:ASP:H	1:A:40:LEU:HD21	16	0.15
(1,4687)	1:A:61:ASP:H	1:A:40:LEU:HD23	16	0.15
(1,4687)	1:A:61:ASP:H	1:A:60:LEU:HD22	16	0.15
(1,4687)	1:A:61:ASP:H	1:A:60:LEU:HD21	16	0.15
(1,4687)	1:A:61:ASP:H	1:A:60:LEU:HD23	16	0.15
(1,4675)	1:A:63:MET:HG3	1:A:63:MET:HA	19	0.15
(1,4675)	1:A:89:MET:HG3	1:B:78:SER:HB2	19	0.15
(1,4675)	1:A:89:MET:HG3	1:B:78:SER:HB3	19	0.15
(1,4652)	1:B:37:THR:HG21	1:B:41:SER:H	7	0.15
(1,4652)	1:B:37:THR:HG22	1:B:41:SER:H	7	0.15
(1,4652)	1:B:37:THR:HG23	1:B:41:SER:H	7	0.15
(1,4652)	1:B:71:SER:H	1:B:69:THR:HG21	7	0.15
(1,4652)	1:B:71:SER:H	1:B:69:THR:HG22	7	0.15
(1,4652)	1:B:71:SER:H	1:B:69:THR:HG23	7	0.15
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB2	4	0.15
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB1	4	0.15
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB3	4	0.15
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB2	4	0.15
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB1	4	0.15
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB3	4	0.15
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB2	7	0.15
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB1	7	0.15
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB3	7	0.15
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB2	7	0.15
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB1	7	0.15
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB3	7	0.15
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB2	12	0.15
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB1	12	0.15
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB3	12	0.15
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB2	12	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB1	12	0.15
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB3	12	0.15
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB2	13	0.15
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB1	13	0.15
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB3	13	0.15
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB2	13	0.15
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB1	13	0.15
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB3	13	0.15
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB2	17	0.15
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB1	17	0.15
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB3	17	0.15
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB2	17	0.15
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB1	17	0.15
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB3	17	0.15
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB2	4	0.15
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB1	4	0.15
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB3	4	0.15
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB2	4	0.15
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB1	4	0.15
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB3	4	0.15
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB2	7	0.15
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB1	7	0.15
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB3	7	0.15
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB2	7	0.15
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB1	7	0.15
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB3	7	0.15
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB2	12	0.15
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB1	12	0.15
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB3	12	0.15
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB2	12	0.15
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB1	12	0.15
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB3	12	0.15
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB2	13	0.15
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB1	13	0.15
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB3	13	0.15
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB2	13	0.15
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB1	13	0.15
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB3	13	0.15
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB2	17	0.15
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB1	17	0.15
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB3	17	0.15
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB2	17	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB1	17	0.15
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB3	17	0.15
(1,4488)	1:B:84:ILE:HB	1:B:17:LEU:HD22	8	0.15
(1,4488)	1:B:84:ILE:HB	1:B:17:LEU:HD21	8	0.15
(1,4488)	1:B:84:ILE:HB	1:B:17:LEU:HD23	8	0.15
(1,4488)	1:B:84:ILE:HB	1:B:81:LEU:HG	8	0.15
(1,4488)	1:B:84:ILE:HB	1:B:83:LEU:HD22	8	0.15
(1,4488)	1:B:84:ILE:HB	1:B:83:LEU:HD21	8	0.15
(1,4488)	1:B:84:ILE:HB	1:B:83:LEU:HD23	8	0.15
(1,4462)	1:B:100:PRO:HD3	1:B:99:VAL:HG22	3	0.15
(1,4462)	1:B:100:PRO:HD3	1:B:99:VAL:HG21	3	0.15
(1,4462)	1:B:100:PRO:HD3	1:B:99:VAL:HG23	3	0.15
(1,4462)	1:B:99:VAL:HG12	1:B:100:PRO:HD3	3	0.15
(1,4462)	1:B:99:VAL:HG11	1:B:100:PRO:HD3	3	0.15
(1,4462)	1:B:99:VAL:HG13	1:B:100:PRO:HD3	3	0.15
(1,4461)	1:A:100:PRO:HD3	1:A:99:VAL:HG22	3	0.15
(1,4461)	1:A:100:PRO:HD3	1:A:99:VAL:HG21	3	0.15
(1,4461)	1:A:100:PRO:HD3	1:A:99:VAL:HG23	3	0.15
(1,4461)	1:A:99:VAL:HG12	1:A:100:PRO:HD3	3	0.15
(1,4461)	1:A:99:VAL:HG11	1:A:100:PRO:HD3	3	0.15
(1,4461)	1:A:99:VAL:HG13	1:A:100:PRO:HD3	3	0.15
(1,4422)	1:B:20:VAL:HG12	1:A:13:CYS:HB3	6	0.15
(1,4422)	1:B:20:VAL:HG11	1:A:13:CYS:HB3	6	0.15
(1,4422)	1:B:20:VAL:HG13	1:A:13:CYS:HB3	6	0.15
(1,4422)	1:B:42:PHE:HA	1:B:45:THR:HG21	6	0.15
(1,4422)	1:B:42:PHE:HA	1:B:45:THR:HG22	6	0.15
(1,4422)	1:B:42:PHE:HA	1:B:45:THR:HG23	6	0.15
(1,4422)	1:B:45:THR:HG21	1:B:52:LYS:HE2	6	0.15
(1,4422)	1:B:45:THR:HG21	1:B:52:LYS:HE3	6	0.15
(1,4422)	1:B:45:THR:HG22	1:B:52:LYS:HE2	6	0.15
(1,4422)	1:B:45:THR:HG22	1:B:52:LYS:HE3	6	0.15
(1,4422)	1:B:45:THR:HG23	1:B:52:LYS:HE2	6	0.15
(1,4422)	1:B:45:THR:HG23	1:B:52:LYS:HE3	6	0.15
(1,4422)	1:B:69:THR:HG21	1:B:68:ASP:HB2	6	0.15
(1,4422)	1:B:69:THR:HG22	1:B:68:ASP:HB2	6	0.15
(1,4422)	1:B:69:THR:HG23	1:B:68:ASP:HB2	6	0.15
(1,4422)	1:B:21:PHE:HB2	1:B:20:VAL:HG12	6	0.15
(1,4422)	1:B:21:PHE:HB2	1:B:20:VAL:HG11	6	0.15
(1,4422)	1:B:21:PHE:HB2	1:B:20:VAL:HG13	6	0.15
(1,4421)	1:A:20:VAL:HG12	1:B:13:CYS:HB3	6	0.15
(1,4421)	1:A:20:VAL:HG11	1:B:13:CYS:HB3	6	0.15
(1,4421)	1:A:20:VAL:HG13	1:B:13:CYS:HB3	6	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4421)	1:A:42:PHE:HA	1:A:45:THR:HG21	6	0.15
(1,4421)	1:A:42:PHE:HA	1:A:45:THR:HG22	6	0.15
(1,4421)	1:A:42:PHE:HA	1:A:45:THR:HG23	6	0.15
(1,4421)	1:A:45:THR:HG21	1:A:52:LYS:HE2	6	0.15
(1,4421)	1:A:45:THR:HG21	1:A:52:LYS:HE3	6	0.15
(1,4421)	1:A:45:THR:HG22	1:A:52:LYS:HE2	6	0.15
(1,4421)	1:A:45:THR:HG22	1:A:52:LYS:HE3	6	0.15
(1,4421)	1:A:45:THR:HG23	1:A:52:LYS:HE2	6	0.15
(1,4421)	1:A:45:THR:HG23	1:A:52:LYS:HE3	6	0.15
(1,4421)	1:A:69:THR:HG21	1:A:68:ASP:HB2	6	0.15
(1,4421)	1:A:69:THR:HG22	1:A:68:ASP:HB2	6	0.15
(1,4421)	1:A:69:THR:HG23	1:A:68:ASP:HB2	6	0.15
(1,4421)	1:A:21:PHE:HB2	1:A:20:VAL:HG12	6	0.15
(1,4421)	1:A:21:PHE:HB2	1:A:20:VAL:HG11	6	0.15
(1,4421)	1:A:21:PHE:HB2	1:A:20:VAL:HG13	6	0.15
(1,4386)	1:B:95:PHE:H	1:B:98:ALA:HA	11	0.15
(1,4386)	1:B:96:LEU:H	1:B:98:ALA:HA	11	0.15
(1,4385)	1:A:95:PHE:H	1:A:98:ALA:HA	11	0.15
(1,4385)	1:A:96:LEU:H	1:A:98:ALA:HA	11	0.15
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD22	3	0.15
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD21	3	0.15
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD23	3	0.15
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD22	3	0.15
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD21	3	0.15
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD23	3	0.15
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD22	3	0.15
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD21	3	0.15
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD23	3	0.15
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD12	3	0.15
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD11	3	0.15
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD13	3	0.15
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD12	3	0.15
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD11	3	0.15
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD13	3	0.15
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD12	3	0.15
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD11	3	0.15
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD13	3	0.15
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD22	5	0.15
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD21	5	0.15
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD23	5	0.15
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD22	5	0.15
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD21	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD23	5	0.15
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD22	5	0.15
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD21	5	0.15
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD23	5	0.15
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD12	5	0.15
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD11	5	0.15
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD13	5	0.15
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD12	5	0.15
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD11	5	0.15
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD13	5	0.15
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD12	5	0.15
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD11	5	0.15
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD13	5	0.15
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD22	19	0.15
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD21	19	0.15
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD23	19	0.15
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD22	19	0.15
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD21	19	0.15
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD23	19	0.15
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD22	19	0.15
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD21	19	0.15
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD23	19	0.15
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD12	19	0.15
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD11	19	0.15
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD13	19	0.15
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD12	19	0.15
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD11	19	0.15
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD13	19	0.15
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD12	19	0.15
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD11	19	0.15
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD13	19	0.15
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD22	3	0.15
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD21	3	0.15
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD23	3	0.15
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD22	3	0.15
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD21	3	0.15
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD23	3	0.15
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD22	3	0.15
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD21	3	0.15
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD23	3	0.15
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD12	3	0.15
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD11	3	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD13	3	0.15
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD12	3	0.15
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD11	3	0.15
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD13	3	0.15
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD12	3	0.15
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD11	3	0.15
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD13	3	0.15
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD22	5	0.15
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD21	5	0.15
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD23	5	0.15
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD22	5	0.15
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD21	5	0.15
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD23	5	0.15
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD22	5	0.15
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD21	5	0.15
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD23	5	0.15
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD12	5	0.15
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD11	5	0.15
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD13	5	0.15
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD12	5	0.15
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD11	5	0.15
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD13	5	0.15
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD12	5	0.15
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD11	5	0.15
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD13	5	0.15
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD22	19	0.15
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD21	19	0.15
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD23	19	0.15
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD22	19	0.15
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD21	19	0.15
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD23	19	0.15
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD22	19	0.15
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD21	19	0.15
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD23	19	0.15
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD12	19	0.15
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD11	19	0.15
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD13	19	0.15
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD12	19	0.15
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD11	19	0.15
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD13	19	0.15
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD12	19	0.15
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD11	19	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD13	19	0.15
(1,4334)	1:B:74:GLN:HB3	1:B:68:ASP:HB2	12	0.15
(1,4334)	1:B:18:ILE:HB	1:B:21:PHE:HB2	12	0.15
(1,4334)	1:B:64:MET:HB3	1:B:68:ASP:HB2	12	0.15
(1,4334)	1:B:68:ASP:HB2	1:B:67:LEU:HB2	12	0.15
(1,4333)	1:A:74:GLN:HB3	1:A:68:ASP:HB2	12	0.15
(1,4333)	1:A:18:ILE:HB	1:A:21:PHE:HB2	12	0.15
(1,4333)	1:A:64:MET:HB3	1:A:68:ASP:HB2	12	0.15
(1,4333)	1:A:68:ASP:HB2	1:A:67:LEU:HB2	12	0.15
(1,4262)	1:B:59:VAL:HA	1:B:61:ASP:HB2	2	0.15
(1,4262)	1:B:63:MET:HG2	1:B:59:VAL:HA	2	0.15
(1,4262)	1:B:59:VAL:HA	1:B:61:ASP:HB2	9	0.15
(1,4262)	1:B:63:MET:HG2	1:B:59:VAL:HA	9	0.15
(1,4262)	1:B:59:VAL:HA	1:B:61:ASP:HB2	15	0.15
(1,4262)	1:B:63:MET:HG2	1:B:59:VAL:HA	15	0.15
(1,4261)	1:A:59:VAL:HA	1:A:61:ASP:HB2	2	0.15
(1,4261)	1:A:63:MET:HG2	1:A:59:VAL:HA	2	0.15
(1,4261)	1:A:59:VAL:HA	1:A:61:ASP:HB2	9	0.15
(1,4261)	1:A:63:MET:HG2	1:A:59:VAL:HA	9	0.15
(1,4261)	1:A:59:VAL:HA	1:A:61:ASP:HB2	15	0.15
(1,4261)	1:A:63:MET:HG2	1:A:59:VAL:HA	15	0.15
(1,4261)	1:A:59:VAL:HA	1:A:61:ASP:HB2	16	0.15
(1,4261)	1:A:63:MET:HG2	1:A:59:VAL:HA	16	0.15
(1,4246)	1:B:89:MET:HB2	1:B:85:GLY:H	4	0.15
(1,4246)	1:B:89:MET:HB3	1:B:85:GLY:H	4	0.15
(1,4246)	1:B:100:PRO:HB2	1:A:22:GLN:H	4	0.15
(1,4246)	1:B:89:MET:HB2	1:B:85:GLY:H	14	0.15
(1,4246)	1:B:89:MET:HB3	1:B:85:GLY:H	14	0.15
(1,4246)	1:B:100:PRO:HB2	1:A:22:GLN:H	14	0.15
(1,4245)	1:A:89:MET:HB2	1:A:85:GLY:H	4	0.15
(1,4245)	1:A:89:MET:HB3	1:A:85:GLY:H	4	0.15
(1,4245)	1:A:100:PRO:HB2	1:B:22:GLN:H	4	0.15
(1,4245)	1:A:89:MET:HB2	1:A:85:GLY:H	14	0.15
(1,4245)	1:A:89:MET:HB3	1:A:85:GLY:H	14	0.15
(1,4245)	1:A:100:PRO:HB2	1:B:22:GLN:H	14	0.15
(1,4243)	1:A:87:LEU:HB2	1:A:91:CYS:HA	5	0.15
(1,4243)	1:A:91:CYS:HA	1:A:97:LYS:HB2	5	0.15
(1,4243)	1:A:91:CYS:HA	1:A:97:LYS:HB3	5	0.15
(1,4243)	1:A:91:CYS:HA	1:A:97:LYS:HD2	5	0.15
(1,4243)	1:A:91:CYS:HA	1:A:97:LYS:HD3	5	0.15
(1,4243)	1:A:91:CYS:HA	1:B:18:ILE:HB	5	0.15
(1,4234)	1:B:68:ASP:HB2	1:B:65:LYS:HB2	18	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4234)	1:B:68:ASP:HB2	1:B:65:LYS:HB3	18	0.15
(1,4234)	1:B:68:ASP:HB2	1:B:65:LYS:HD2	18	0.15
(1,4234)	1:B:68:ASP:HB2	1:B:65:LYS:HD3	18	0.15
(1,4233)	1:A:68:ASP:HB2	1:A:65:LYS:HB2	18	0.15
(1,4233)	1:A:68:ASP:HB2	1:A:65:LYS:HB3	18	0.15
(1,4233)	1:A:68:ASP:HB2	1:A:65:LYS:HD2	18	0.15
(1,4233)	1:A:68:ASP:HB2	1:A:65:LYS:HD3	18	0.15
(1,4201)	1:A:42:PHE:HB3	1:A:20:VAL:HG22	2	0.15
(1,4201)	1:A:42:PHE:HB3	1:A:20:VAL:HG21	2	0.15
(1,4201)	1:A:42:PHE:HB3	1:A:20:VAL:HG23	2	0.15
(1,4201)	1:A:42:PHE:HB3	1:A:34:LEU:HG	2	0.15
(1,4201)	1:A:11:GLU:HG2	1:A:8:THR:HG21	2	0.15
(1,4201)	1:A:11:GLU:HG2	1:A:8:THR:HG22	2	0.15
(1,4201)	1:A:11:GLU:HG2	1:A:8:THR:HG23	2	0.15
(1,4199)	1:A:42:PHE:HA	1:A:39:PHE:HA	9	0.15
(1,4199)	1:A:42:PHE:HA	1:A:45:THR:HA	9	0.15
(1,4199)	1:A:45:THR:HB	1:A:42:PHE:HA	9	0.15
(1,4184)	1:B:13:CYS:HA	1:B:15:GLU:HB2	9	0.15
(1,4184)	1:B:13:CYS:HA	1:B:15:GLU:HB3	9	0.15
(1,4184)	1:B:13:CYS:HA	1:B:17:LEU:HG	9	0.15
(1,4184)	1:B:13:CYS:HA	1:B:15:GLU:HB2	12	0.15
(1,4184)	1:B:13:CYS:HA	1:B:15:GLU:HB3	12	0.15
(1,4184)	1:B:13:CYS:HA	1:B:17:LEU:HG	12	0.15
(1,4184)	1:B:13:CYS:HA	1:B:15:GLU:HB2	17	0.15
(1,4184)	1:B:13:CYS:HA	1:B:15:GLU:HB3	17	0.15
(1,4184)	1:B:13:CYS:HA	1:B:17:LEU:HG	17	0.15
(1,4183)	1:A:13:CYS:HA	1:A:15:GLU:HB2	9	0.15
(1,4183)	1:A:13:CYS:HA	1:A:15:GLU:HB3	9	0.15
(1,4183)	1:A:13:CYS:HA	1:A:17:LEU:HG	9	0.15
(1,4172)	1:B:24:TYR:HB2	1:B:27:LYS:HD2	4	0.15
(1,4172)	1:B:24:TYR:HB2	1:B:27:LYS:HD3	4	0.15
(1,4172)	1:B:44:ASN:HB2	1:B:43:MET:HB2	4	0.15
(1,4172)	1:B:44:ASN:HB2	1:B:43:MET:HB3	4	0.15
(1,4171)	1:A:24:TYR:HB2	1:A:27:LYS:HD2	4	0.15
(1,4171)	1:A:24:TYR:HB2	1:A:27:LYS:HD3	4	0.15
(1,4171)	1:A:44:ASN:HB2	1:A:43:MET:HB2	4	0.15
(1,4171)	1:A:44:ASN:HB2	1:A:43:MET:HB3	4	0.15
(1,4150)	1:B:17:LEU:HG	1:B:13:CYS:HB2	10	0.15
(1,4150)	1:B:13:CYS:HB2	1:A:17:LEU:HG	10	0.15
(1,4149)	1:A:17:LEU:HG	1:A:13:CYS:HB2	10	0.15
(1,4149)	1:A:13:CYS:HB2	1:B:17:LEU:HG	10	0.15
(1,4066)	1:B:44:ASN:HB3	1:B:40:LEU:HD12	20	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4066)	1:B:44:ASN:HB3	1:B:40:LEU:HD11	20	0.15
(1,4066)	1:B:44:ASN:HB3	1:B:40:LEU:HD13	20	0.15
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD22	20	0.15
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD21	20	0.15
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD23	20	0.15
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD12	20	0.15
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD11	20	0.15
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD13	20	0.15
(1,4065)	1:A:44:ASN:HB3	1:A:40:LEU:HD12	20	0.15
(1,4065)	1:A:44:ASN:HB3	1:A:40:LEU:HD11	20	0.15
(1,4065)	1:A:44:ASN:HB3	1:A:40:LEU:HD13	20	0.15
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD22	20	0.15
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD21	20	0.15
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD23	20	0.15
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD12	20	0.15
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD11	20	0.15
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD13	20	0.15
(1,4058)	1:B:18:ILE:HG22	1:A:91:CYS:HB2	11	0.15
(1,4058)	1:B:18:ILE:HG22	1:A:91:CYS:HB3	11	0.15
(1,4058)	1:B:18:ILE:HG21	1:A:91:CYS:HB2	11	0.15
(1,4058)	1:B:18:ILE:HG21	1:A:91:CYS:HB3	11	0.15
(1,4058)	1:B:18:ILE:HG23	1:A:91:CYS:HB2	11	0.15
(1,4058)	1:B:18:ILE:HG23	1:A:91:CYS:HB3	11	0.15
(1,4058)	1:B:21:PHE:HB2	1:B:18:ILE:HG22	11	0.15
(1,4058)	1:B:21:PHE:HB2	1:B:18:ILE:HG21	11	0.15
(1,4058)	1:B:21:PHE:HB2	1:B:18:ILE:HG23	11	0.15
(1,4048)	1:B:52:LYS:HB2	1:B:53:ASN:HB3	11	0.15
(1,4048)	1:B:52:LYS:HB3	1:B:53:ASN:HB3	11	0.15
(1,4048)	1:B:74:GLN:HB2	1:B:76:ASP:HB3	11	0.15
(1,4028)	1:B:99:VAL:HG22	1:B:102:GLN:H	7	0.15
(1,4028)	1:B:99:VAL:HG21	1:B:102:GLN:H	7	0.15
(1,4028)	1:B:99:VAL:HG23	1:B:102:GLN:H	7	0.15
(1,4028)	1:B:99:VAL:HG12	1:B:102:GLN:H	7	0.15
(1,4028)	1:B:99:VAL:HG11	1:B:102:GLN:H	7	0.15
(1,4028)	1:B:99:VAL:HG13	1:B:102:GLN:H	7	0.15
(1,4027)	1:A:99:VAL:HG22	1:A:102:GLN:H	7	0.15
(1,4027)	1:A:99:VAL:HG21	1:A:102:GLN:H	7	0.15
(1,4027)	1:A:99:VAL:HG23	1:A:102:GLN:H	7	0.15
(1,4027)	1:A:99:VAL:HG12	1:A:102:GLN:H	7	0.15
(1,4027)	1:A:99:VAL:HG11	1:A:102:GLN:H	7	0.15
(1,4027)	1:A:99:VAL:HG13	1:A:102:GLN:H	7	0.15
(1,4012)	1:B:81:LEU:HD22	1:A:89:MET:HG3	14	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4012)	1:B:81:LEU:HD21	1:A:89:MET:HG3	14	0.15
(1,4012)	1:B:81:LEU:HD23	1:A:89:MET:HG3	14	0.15
(1,4012)	1:B:81:LEU:HD22	1:B:21:PHE:HB3	14	0.15
(1,4012)	1:B:81:LEU:HD21	1:B:21:PHE:HB3	14	0.15
(1,4012)	1:B:81:LEU:HD23	1:B:21:PHE:HB3	14	0.15
(1,4011)	1:A:81:LEU:HD22	1:B:89:MET:HG3	14	0.15
(1,4011)	1:A:81:LEU:HD21	1:B:89:MET:HG3	14	0.15
(1,4011)	1:A:81:LEU:HD23	1:B:89:MET:HG3	14	0.15
(1,4011)	1:A:81:LEU:HD22	1:A:21:PHE:HB3	14	0.15
(1,4011)	1:A:81:LEU:HD21	1:A:21:PHE:HB3	14	0.15
(1,4011)	1:A:81:LEU:HD23	1:A:21:PHE:HB3	14	0.15
(1,4011)	1:A:81:LEU:HD22	1:B:89:MET:HG3	15	0.15
(1,4011)	1:A:81:LEU:HD21	1:B:89:MET:HG3	15	0.15
(1,4011)	1:A:81:LEU:HD23	1:B:89:MET:HG3	15	0.15
(1,4011)	1:A:81:LEU:HD22	1:A:21:PHE:HB3	15	0.15
(1,4011)	1:A:81:LEU:HD21	1:A:21:PHE:HB3	15	0.15
(1,4011)	1:A:81:LEU:HD23	1:A:21:PHE:HB3	15	0.15
(1,3956)	1:B:48:ALA:HA	1:B:50:PHE:HB2	2	0.15
(1,3956)	1:B:48:ALA:HA	1:B:50:PHE:HB3	2	0.15
(1,3956)	1:B:49:ALA:HA	1:B:50:PHE:HB2	2	0.15
(1,3956)	1:B:49:ALA:HA	1:B:50:PHE:HB3	2	0.15
(1,3956)	1:B:48:ALA:HA	1:B:50:PHE:HB2	5	0.15
(1,3956)	1:B:48:ALA:HA	1:B:50:PHE:HB3	5	0.15
(1,3956)	1:B:49:ALA:HA	1:B:50:PHE:HB2	5	0.15
(1,3956)	1:B:49:ALA:HA	1:B:50:PHE:HB3	5	0.15
(1,3956)	1:B:48:ALA:HA	1:B:50:PHE:HB2	14	0.15
(1,3956)	1:B:48:ALA:HA	1:B:50:PHE:HB3	14	0.15
(1,3956)	1:B:49:ALA:HA	1:B:50:PHE:HB2	14	0.15
(1,3956)	1:B:49:ALA:HA	1:B:50:PHE:HB3	14	0.15
(1,3956)	1:B:48:ALA:HA	1:B:50:PHE:HB2	17	0.15
(1,3956)	1:B:48:ALA:HA	1:B:50:PHE:HB3	17	0.15
(1,3956)	1:B:49:ALA:HA	1:B:50:PHE:HB2	17	0.15
(1,3956)	1:B:49:ALA:HA	1:B:50:PHE:HB3	17	0.15
(1,3955)	1:A:48:ALA:HA	1:A:50:PHE:HB2	2	0.15
(1,3955)	1:A:48:ALA:HA	1:A:50:PHE:HB3	2	0.15
(1,3955)	1:A:49:ALA:HA	1:A:50:PHE:HB2	2	0.15
(1,3955)	1:A:49:ALA:HA	1:A:50:PHE:HB3	2	0.15
(1,3955)	1:A:48:ALA:HA	1:A:50:PHE:HB2	14	0.15
(1,3955)	1:A:48:ALA:HA	1:A:50:PHE:HB3	14	0.15
(1,3955)	1:A:49:ALA:HA	1:A:50:PHE:HB2	14	0.15
(1,3955)	1:A:49:ALA:HA	1:A:50:PHE:HB3	14	0.15
(1,3955)	1:A:48:ALA:HA	1:A:50:PHE:HB2	17	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3955)	1:A:48:ALA:HA	1:A:50:PHE:HB3	17	0.15
(1,3955)	1:A:49:ALA:HA	1:A:50:PHE:HB2	17	0.15
(1,3955)	1:A:49:ALA:HA	1:A:50:PHE:HB3	17	0.15
(1,3914)	1:B:35:SER:HA	1:B:34:LEU:HG	3	0.15
(1,3914)	1:B:35:SER:HA	1:B:75:LEU:HB3	3	0.15
(1,3913)	1:A:35:SER:HA	1:A:34:LEU:HG	3	0.15
(1,3913)	1:A:35:SER:HA	1:A:75:LEU:HB3	3	0.15
(1,3904)	1:B:57:PRO:HA	1:B:51:THR:HA	17	0.15
(1,3904)	1:B:57:PRO:HA	1:B:59:VAL:HA	17	0.15
(1,3903)	1:A:57:PRO:HA	1:A:51:THR:HA	17	0.15
(1,3903)	1:A:57:PRO:HA	1:A:59:VAL:HA	17	0.15
(1,3898)	1:B:10:THR:HA	1:B:11:GLU:HB2	19	0.15
(1,3898)	1:B:10:THR:HA	1:B:11:GLU:HB3	19	0.15
(1,3898)	1:B:10:THR:HA	1:B:12:ARG:HB2	19	0.15
(1,3898)	1:B:10:THR:HA	1:B:12:ARG:HB3	19	0.15
(1,3898)	1:B:10:THR:HA	1:B:14:ILE:HB	19	0.15
(1,3898)	1:B:10:THR:HA	1:B:11:GLU:HB2	20	0.15
(1,3898)	1:B:10:THR:HA	1:B:11:GLU:HB3	20	0.15
(1,3898)	1:B:10:THR:HA	1:B:12:ARG:HB2	20	0.15
(1,3898)	1:B:10:THR:HA	1:B:12:ARG:HB3	20	0.15
(1,3898)	1:B:10:THR:HA	1:B:14:ILE:HB	20	0.15
(1,3897)	1:A:10:THR:HA	1:A:11:GLU:HB2	19	0.15
(1,3897)	1:A:10:THR:HA	1:A:11:GLU:HB3	19	0.15
(1,3897)	1:A:10:THR:HA	1:A:12:ARG:HB2	19	0.15
(1,3897)	1:A:10:THR:HA	1:A:12:ARG:HB3	19	0.15
(1,3897)	1:A:10:THR:HA	1:A:14:ILE:HB	19	0.15
(1,3897)	1:A:10:THR:HA	1:A:11:GLU:HB2	20	0.15
(1,3897)	1:A:10:THR:HA	1:A:11:GLU:HB3	20	0.15
(1,3897)	1:A:10:THR:HA	1:A:12:ARG:HB2	20	0.15
(1,3897)	1:A:10:THR:HA	1:A:12:ARG:HB3	20	0.15
(1,3897)	1:A:10:THR:HA	1:A:14:ILE:HB	20	0.15
(1,3884)	1:B:89:MET:HG3	1:B:83:LEU:H	1	0.15
(1,3884)	1:B:89:MET:HG3	1:A:82:ASN:H	1	0.15
(1,3884)	1:B:63:MET:HG3	1:B:65:LYS:H	1	0.15
(1,3884)	1:B:89:MET:HG3	1:B:83:LEU:H	16	0.15
(1,3884)	1:B:89:MET:HG3	1:A:82:ASN:H	16	0.15
(1,3884)	1:B:63:MET:HG3	1:B:65:LYS:H	16	0.15
(1,3884)	1:B:89:MET:HG3	1:B:83:LEU:H	17	0.15
(1,3884)	1:B:89:MET:HG3	1:A:82:ASN:H	17	0.15
(1,3884)	1:B:63:MET:HG3	1:B:65:LYS:H	17	0.15
(1,3883)	1:A:89:MET:HG3	1:A:83:LEU:H	1	0.15
(1,3883)	1:A:89:MET:HG3	1:B:82:ASN:H	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3883)	1:A:63:MET:HG3	1:A:65:LYS:H	1	0.15
(1,3883)	1:A:89:MET:HG3	1:A:83:LEU:H	16	0.15
(1,3883)	1:A:89:MET:HG3	1:B:82:ASN:H	16	0.15
(1,3883)	1:A:63:MET:HG3	1:A:65:LYS:H	16	0.15
(1,3883)	1:A:89:MET:HG3	1:A:83:LEU:H	17	0.15
(1,3883)	1:A:89:MET:HG3	1:B:82:ASN:H	17	0.15
(1,3883)	1:A:63:MET:HG3	1:A:65:LYS:H	17	0.15
(1,382)	1:B:11:GLU:HG2	1:B:10:THR:H	5	0.15
(1,3808)	1:B:37:THR:HB	1:B:36:LYS:H	10	0.15
(1,3808)	1:B:37:THR:HB	1:B:39:PHE:H	10	0.15
(1,3808)	1:B:37:THR:HB	1:B:36:LYS:H	12	0.15
(1,3808)	1:B:37:THR:HB	1:B:39:PHE:H	12	0.15
(1,3807)	1:A:37:THR:HB	1:A:36:LYS:H	12	0.15
(1,3807)	1:A:37:THR:HB	1:A:39:PHE:H	12	0.15
(1,3801)	1:A:40:LEU:HA	1:A:36:LYS:HE2	5	0.15
(1,3801)	1:A:40:LEU:HA	1:A:36:LYS:HE3	5	0.15
(1,3801)	1:A:21:PHE:HB2	1:A:22:GLN:HA	5	0.15
(1,3786)	1:B:63:MET:HG3	1:B:61:ASP:H	8	0.15
(1,3786)	1:B:89:MET:HG3	1:B:87:LEU:H	8	0.15
(1,3786)	1:B:63:MET:HG3	1:B:61:ASP:H	9	0.15
(1,3786)	1:B:89:MET:HG3	1:B:87:LEU:H	9	0.15
(1,3786)	1:B:63:MET:HG3	1:B:61:ASP:H	15	0.15
(1,3786)	1:B:89:MET:HG3	1:B:87:LEU:H	15	0.15
(1,3786)	1:B:63:MET:HG3	1:B:61:ASP:H	19	0.15
(1,3786)	1:B:89:MET:HG3	1:B:87:LEU:H	19	0.15
(1,3785)	1:A:63:MET:HG3	1:A:61:ASP:H	8	0.15
(1,3785)	1:A:89:MET:HG3	1:A:87:LEU:H	8	0.15
(1,3785)	1:A:63:MET:HG3	1:A:61:ASP:H	9	0.15
(1,3785)	1:A:89:MET:HG3	1:A:87:LEU:H	9	0.15
(1,3785)	1:A:63:MET:HG3	1:A:61:ASP:H	19	0.15
(1,3785)	1:A:89:MET:HG3	1:A:87:LEU:H	19	0.15
(1,3736)	1:B:37:THR:HB	1:B:35:SER:HA	15	0.15
(1,3736)	1:B:51:THR:HB	1:B:53:ASN:HA	15	0.15
(1,3735)	1:A:37:THR:HB	1:A:35:SER:HA	9	0.15
(1,3735)	1:A:51:THR:HB	1:A:53:ASN:HA	9	0.15
(1,3735)	1:A:37:THR:HB	1:A:35:SER:HA	15	0.15
(1,3735)	1:A:51:THR:HB	1:A:53:ASN:HA	15	0.15
(1,3670)	1:B:69:THR:HA	1:B:70:ASN:HB2	17	0.15
(1,3670)	1:B:70:ASN:HB2	1:B:71:SER:HA	17	0.15
(1,3669)	1:A:69:THR:HA	1:A:70:ASN:HB2	17	0.15
(1,3669)	1:A:70:ASN:HB2	1:A:71:SER:HA	17	0.15
(1,3626)	1:B:34:LEU:HA	1:B:24:TYR:HB2	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3626)	1:B:34:LEU:HA	1:B:27:LYS:HE2	11	0.15
(1,3626)	1:B:34:LEU:HA	1:B:27:LYS:HE3	11	0.15
(1,3584)	1:B:77:PHE:HB2	1:B:79:GLU:H	7	0.15
(1,3584)	1:B:68:ASP:HB3	1:B:64:MET:H	7	0.15
(1,3584)	1:B:77:PHE:HB2	1:B:79:GLU:H	20	0.15
(1,3584)	1:B:68:ASP:HB3	1:B:64:MET:H	20	0.15
(1,3583)	1:A:77:PHE:HB2	1:A:79:GLU:H	7	0.15
(1,3583)	1:A:68:ASP:HB3	1:A:64:MET:H	7	0.15
(1,3583)	1:A:77:PHE:HB2	1:A:79:GLU:H	20	0.15
(1,3583)	1:A:68:ASP:HB3	1:A:64:MET:H	20	0.15
(1,3578)	1:B:37:THR:HB	1:B:28:ASP:HB3	6	0.15
(1,3578)	1:B:51:THR:HB	1:B:44:ASN:HB3	6	0.15
(1,3578)	1:B:51:THR:HB	1:B:53:ASN:HB3	6	0.15
(1,3528)	1:B:34:LEU:HB3	1:B:21:PHE:HB3	20	0.15
(1,3528)	1:B:34:LEU:HB3	1:B:24:TYR:HB3	20	0.15
(1,3528)	1:B:34:LEU:HB3	1:B:42:PHE:HB3	20	0.15
(1,3527)	1:A:34:LEU:HB3	1:A:21:PHE:HB3	20	0.15
(1,3527)	1:A:34:LEU:HB3	1:A:24:TYR:HB3	20	0.15
(1,3527)	1:A:34:LEU:HB3	1:A:42:PHE:HB3	20	0.15
(1,3517)	1:A:51:THR:HB	1:A:44:ASN:HB2	3	0.15
(1,3517)	1:A:37:THR:HB	1:A:27:LYS:HE2	3	0.15
(1,3517)	1:A:37:THR:HB	1:A:27:LYS:HE3	3	0.15
(1,3500)	1:B:29:GLY:HA2	1:B:28:ASP:HB2	16	0.15
(1,3500)	1:B:73:GLY:HA2	1:B:72:ASP:HB2	16	0.15
(1,3500)	1:B:29:GLY:HA2	1:B:28:ASP:HB2	18	0.15
(1,3500)	1:B:73:GLY:HA2	1:B:72:ASP:HB2	18	0.15
(1,3499)	1:A:29:GLY:HA2	1:A:28:ASP:HB2	5	0.15
(1,3499)	1:A:73:GLY:HA2	1:A:72:ASP:HB2	5	0.15
(1,3499)	1:A:29:GLY:HA2	1:A:28:ASP:HB2	16	0.15
(1,3499)	1:A:73:GLY:HA2	1:A:72:ASP:HB2	16	0.15
(1,3499)	1:A:29:GLY:HA2	1:A:28:ASP:HB2	18	0.15
(1,3499)	1:A:73:GLY:HA2	1:A:72:ASP:HB2	18	0.15
(1,3462)	1:B:84:ILE:HB	1:B:80:PHE:HB3	18	0.15
(1,3462)	1:B:84:ILE:HB	1:B:82:ASN:HB2	18	0.15
(1,3462)	1:B:84:ILE:HB	1:A:13:CYS:HB3	18	0.15
(1,3461)	1:A:84:ILE:HB	1:A:80:PHE:HB3	7	0.15
(1,3461)	1:A:84:ILE:HB	1:A:82:ASN:HB2	7	0.15
(1,3461)	1:A:84:ILE:HB	1:B:13:CYS:HB3	7	0.15
(1,3461)	1:A:84:ILE:HB	1:A:80:PHE:HB3	18	0.15
(1,3461)	1:A:84:ILE:HB	1:A:82:ASN:HB2	18	0.15
(1,3461)	1:A:84:ILE:HB	1:B:13:CYS:HB3	18	0.15
(1,3457)	1:A:11:GLU:HA	1:A:12:ARG:HD2	3	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3457)	1:A:11:GLU:HA	1:A:12:ARG:HD3	3	0.15
(1,3457)	1:A:11:GLU:HA	1:B:50:PHE:HB2	3	0.15
(1,3457)	1:A:11:GLU:HA	1:B:50:PHE:HB3	3	0.15
(1,3424)	1:B:60:LEU:HB2	1:B:37:THR:HA	10	0.15
(1,3424)	1:B:60:LEU:HB2	1:B:52:LYS:HA	10	0.15
(1,3424)	1:B:60:LEU:HB2	1:B:62:ARG:HA	10	0.15
(1,3424)	1:B:60:LEU:HB2	1:B:63:MET:HA	10	0.15
(1,3424)	1:B:60:LEU:HB2	1:B:37:THR:HA	12	0.15
(1,3424)	1:B:60:LEU:HB2	1:B:52:LYS:HA	12	0.15
(1,3424)	1:B:60:LEU:HB2	1:B:62:ARG:HA	12	0.15
(1,3424)	1:B:60:LEU:HB2	1:B:63:MET:HA	12	0.15
(1,3424)	1:B:60:LEU:HB2	1:B:37:THR:HA	20	0.15
(1,3424)	1:B:60:LEU:HB2	1:B:52:LYS:HA	20	0.15
(1,3424)	1:B:60:LEU:HB2	1:B:62:ARG:HA	20	0.15
(1,3424)	1:B:60:LEU:HB2	1:B:63:MET:HA	20	0.15
(1,3423)	1:A:60:LEU:HB2	1:A:37:THR:HA	10	0.15
(1,3423)	1:A:60:LEU:HB2	1:A:52:LYS:HA	10	0.15
(1,3423)	1:A:60:LEU:HB2	1:A:62:ARG:HA	10	0.15
(1,3423)	1:A:60:LEU:HB2	1:A:63:MET:HA	10	0.15
(1,3423)	1:A:60:LEU:HB2	1:A:37:THR:HA	12	0.15
(1,3423)	1:A:60:LEU:HB2	1:A:52:LYS:HA	12	0.15
(1,3423)	1:A:60:LEU:HB2	1:A:62:ARG:HA	12	0.15
(1,3423)	1:A:60:LEU:HB2	1:A:63:MET:HA	12	0.15
(1,3423)	1:A:60:LEU:HB2	1:A:37:THR:HA	20	0.15
(1,3423)	1:A:60:LEU:HB2	1:A:52:LYS:HA	20	0.15
(1,3423)	1:A:60:LEU:HB2	1:A:62:ARG:HA	20	0.15
(1,3423)	1:A:60:LEU:HB2	1:A:63:MET:HA	20	0.15
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD22	6	0.15
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD21	6	0.15
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD23	6	0.15
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD22	10	0.15
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD21	10	0.15
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD23	10	0.15
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD22	17	0.15
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD21	17	0.15
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD23	17	0.15
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD22	6	0.15
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD21	6	0.15
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD23	6	0.15
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD22	10	0.15
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD21	10	0.15
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD23	10	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD22	17	0.15
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD21	17	0.15
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD23	17	0.15
(1,3358)	1:B:88:ALA:HB2	1:A:14:ILE:HB	5	0.15
(1,3358)	1:B:88:ALA:HB1	1:A:14:ILE:HB	5	0.15
(1,3358)	1:B:88:ALA:HB3	1:A:14:ILE:HB	5	0.15
(1,3358)	1:B:88:ALA:HB2	1:A:77:PHE:HB3	5	0.15
(1,3358)	1:B:88:ALA:HB1	1:A:77:PHE:HB3	5	0.15
(1,3358)	1:B:88:ALA:HB3	1:A:77:PHE:HB3	5	0.15
(1,3358)	1:B:88:ALA:HB2	1:A:14:ILE:HB	13	0.15
(1,3358)	1:B:88:ALA:HB1	1:A:14:ILE:HB	13	0.15
(1,3358)	1:B:88:ALA:HB3	1:A:14:ILE:HB	13	0.15
(1,3358)	1:B:88:ALA:HB2	1:A:77:PHE:HB3	13	0.15
(1,3358)	1:B:88:ALA:HB1	1:A:77:PHE:HB3	13	0.15
(1,3358)	1:B:88:ALA:HB3	1:A:77:PHE:HB3	13	0.15
(1,3357)	1:A:88:ALA:HB2	1:B:14:ILE:HB	5	0.15
(1,3357)	1:A:88:ALA:HB1	1:B:14:ILE:HB	5	0.15
(1,3357)	1:A:88:ALA:HB3	1:B:14:ILE:HB	5	0.15
(1,3357)	1:A:88:ALA:HB2	1:B:77:PHE:HB3	5	0.15
(1,3357)	1:A:88:ALA:HB1	1:B:77:PHE:HB3	5	0.15
(1,3357)	1:A:88:ALA:HB3	1:B:77:PHE:HB3	5	0.15
(1,3138)	1:B:76:ASP:H	1:B:75:LEU:HD22	19	0.15
(1,3138)	1:B:76:ASP:H	1:B:75:LEU:HD21	19	0.15
(1,3138)	1:B:76:ASP:H	1:B:75:LEU:HD23	19	0.15
(1,3137)	1:A:76:ASP:H	1:A:75:LEU:HD22	19	0.15
(1,3137)	1:A:76:ASP:H	1:A:75:LEU:HD21	19	0.15
(1,3137)	1:A:76:ASP:H	1:A:75:LEU:HD23	19	0.15
(1,3092)	1:B:75:LEU:H	1:B:75:LEU:HB3	10	0.15
(1,3092)	1:B:75:LEU:H	1:B:75:LEU:HB3	20	0.15
(1,3091)	1:A:75:LEU:H	1:A:75:LEU:HB3	10	0.15
(1,3091)	1:A:75:LEU:H	1:A:75:LEU:HB3	20	0.15
(1,3056)	1:B:94:SER:H	1:B:93:ASP:HB2	2	0.15
(1,3056)	1:B:94:SER:H	1:B:93:ASP:HB2	20	0.15
(1,3055)	1:A:94:SER:H	1:A:93:ASP:HB2	20	0.15
(1,2728)	1:B:46:GLU:H	1:B:46:GLU:HG2	13	0.15
(1,2728)	1:B:46:GLU:H	1:B:46:GLU:HG3	13	0.15
(1,2727)	1:A:46:GLU:H	1:A:46:GLU:HG2	13	0.15
(1,2727)	1:A:46:GLU:H	1:A:46:GLU:HG3	13	0.15
(1,268)	1:B:75:LEU:HB3	1:B:39:PHE:HB3	15	0.15
(1,267)	1:A:75:LEU:HB3	1:A:39:PHE:HB3	15	0.15
(1,2554)	1:B:38:GLU:H	1:B:40:LEU:HD22	1	0.15
(1,2554)	1:B:38:GLU:H	1:B:40:LEU:HD21	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2554)	1:B:38:GLU:H	1:B:40:LEU:HD23	1	0.15
(1,2554)	1:B:38:GLU:H	1:B:40:LEU:HD22	8	0.15
(1,2554)	1:B:38:GLU:H	1:B:40:LEU:HD21	8	0.15
(1,2554)	1:B:38:GLU:H	1:B:40:LEU:HD23	8	0.15
(1,2553)	1:A:38:GLU:H	1:A:40:LEU:HD22	1	0.15
(1,2553)	1:A:38:GLU:H	1:A:40:LEU:HD21	1	0.15
(1,2553)	1:A:38:GLU:H	1:A:40:LEU:HD23	1	0.15
(1,2553)	1:A:38:GLU:H	1:A:40:LEU:HD22	8	0.15
(1,2553)	1:A:38:GLU:H	1:A:40:LEU:HD21	8	0.15
(1,2553)	1:A:38:GLU:H	1:A:40:LEU:HD23	8	0.15
(1,2489)	1:A:38:GLU:H	1:A:34:LEU:HA	18	0.15
(1,2280)	1:B:12:ARG:HB2	1:B:12:ARG:HD2	8	0.15
(1,2280)	1:B:12:ARG:HB2	1:B:12:ARG:HD3	8	0.15
(1,2280)	1:B:12:ARG:HB3	1:B:12:ARG:HD2	8	0.15
(1,2280)	1:B:12:ARG:HB3	1:B:12:ARG:HD3	8	0.15
(1,2279)	1:A:12:ARG:HB2	1:A:12:ARG:HD2	8	0.15
(1,2279)	1:A:12:ARG:HB2	1:A:12:ARG:HD3	8	0.15
(1,2279)	1:A:12:ARG:HB3	1:A:12:ARG:HD2	8	0.15
(1,2279)	1:A:12:ARG:HB3	1:A:12:ARG:HD3	8	0.15
(1,2210)	1:B:97:LYS:HA	1:B:97:LYS:HG2	11	0.15
(1,2210)	1:B:97:LYS:HA	1:B:97:LYS:HG3	11	0.15
(1,2209)	1:A:97:LYS:HA	1:A:97:LYS:HG2	11	0.15
(1,2209)	1:A:97:LYS:HA	1:A:97:LYS:HG3	11	0.15
(1,2209)	1:A:97:LYS:HA	1:A:97:LYS:HG2	17	0.15
(1,2209)	1:A:97:LYS:HA	1:A:97:LYS:HG3	17	0.15
(1,2140)	1:B:27:LYS:HD2	1:B:27:LYS:HB3	2	0.15
(1,2140)	1:B:27:LYS:HD3	1:B:27:LYS:HB3	2	0.15
(1,1924)	1:B:62:ARG:HG3	1:B:62:ARG:HA	19	0.15
(1,1923)	1:A:62:ARG:HG3	1:A:62:ARG:HA	19	0.15
(1,192)	1:B:67:LEU:HB2	1:B:63:MET:HB2	1	0.15
(1,191)	1:A:67:LEU:HB2	1:A:63:MET:HB2	1	0.15
(1,1858)	1:B:57:PRO:HD2	1:B:57:PRO:HA	15	0.15
(1,1858)	1:B:57:PRO:HD3	1:B:57:PRO:HA	15	0.15
(1,1857)	1:A:57:PRO:HD2	1:A:57:PRO:HA	15	0.15
(1,1857)	1:A:57:PRO:HD3	1:A:57:PRO:HA	15	0.15
(1,1848)	1:B:59:VAL:HG22	1:B:60:LEU:HA	9	0.15
(1,1848)	1:B:59:VAL:HG21	1:B:60:LEU:HA	9	0.15
(1,1848)	1:B:59:VAL:HG23	1:B:60:LEU:HA	9	0.15
(1,1848)	1:B:59:VAL:HG22	1:B:60:LEU:HA	12	0.15
(1,1848)	1:B:59:VAL:HG21	1:B:60:LEU:HA	12	0.15
(1,1848)	1:B:59:VAL:HG23	1:B:60:LEU:HA	12	0.15
(1,1847)	1:A:59:VAL:HG22	1:A:60:LEU:HA	9	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1847)	1:A:59:VAL:HG21	1:A:60:LEU:HA	9	0.15
(1,1847)	1:A:59:VAL:HG23	1:A:60:LEU:HA	9	0.15
(1,1847)	1:A:59:VAL:HG22	1:A:60:LEU:HA	12	0.15
(1,1847)	1:A:59:VAL:HG21	1:A:60:LEU:HA	12	0.15
(1,1847)	1:A:59:VAL:HG23	1:A:60:LEU:HA	12	0.15
(1,1740)	1:B:23:LYS:HE2	1:A:8:THR:HB	15	0.15
(1,1740)	1:B:23:LYS:HE3	1:A:8:THR:HB	15	0.15
(1,136)	1:B:89:MET:HG2	1:B:85:GLY:HA3	9	0.15
(1,136)	1:B:89:MET:HG2	1:B:85:GLY:HA3	17	0.15
(1,1221)	1:A:89:MET:HG2	1:A:88:ALA:HB2	8	0.15
(1,1221)	1:A:89:MET:HG2	1:A:88:ALA:HB1	8	0.15
(1,1221)	1:A:89:MET:HG2	1:A:88:ALA:HB3	8	0.15
(1,1016)	1:B:9:GLU:HG2	1:B:13:CYS:HB3	18	0.15
(1,1016)	1:B:9:GLU:HG3	1:B:13:CYS:HB3	18	0.15
(3,87)	1:B:46:GLU:N	1:B:42:PHE:O	4	0.14
(3,87)	1:B:46:GLU:N	1:B:42:PHE:O	6	0.14
(3,87)	1:B:46:GLU:N	1:B:42:PHE:O	7	0.14
(3,87)	1:B:46:GLU:N	1:B:42:PHE:O	11	0.14
(3,49)	1:A:92:HIS:N	1:A:88:ALA:O	3	0.14
(3,49)	1:A:92:HIS:N	1:A:88:ALA:O	20	0.14
(3,29)	1:A:46:GLU:N	1:A:42:PHE:O	4	0.14
(3,29)	1:A:46:GLU:N	1:A:42:PHE:O	7	0.14
(3,29)	1:A:46:GLU:N	1:A:42:PHE:O	11	0.14
(3,107)	1:B:92:HIS:N	1:B:88:ALA:O	3	0.14
(2,92)	1:B:44:ASN:HB3	1:B:47:LEU:H	16	0.14
(2,91)	1:A:44:ASN:HB3	1:A:47:LEU:H	3	0.14
(2,91)	1:A:44:ASN:HB3	1:A:47:LEU:H	16	0.14
(2,78)	1:B:61:ASP:HA	1:B:59:VAL:HA	19	0.14
(2,77)	1:A:61:ASP:HA	1:A:59:VAL:HA	19	0.14
(2,58)	1:B:8:THR:HB	1:A:45:THR:HB	11	0.14
(2,58)	1:B:8:THR:HB	1:A:45:THR:HB	13	0.14
(2,57)	1:A:8:THR:HB	1:B:45:THR:HB	11	0.14
(2,38)	1:B:65:LYS:H	1:B:63:MET:HG2	14	0.14
(2,37)	1:A:65:LYS:H	1:A:63:MET:HG2	2	0.14
(2,37)	1:A:65:LYS:H	1:A:63:MET:HG2	14	0.14
(2,32)	1:B:38:GLU:HA	1:B:34:LEU:HA	3	0.14
(2,28)	1:B:16:SER:HA	1:B:21:PHE:H	4	0.14
(2,27)	1:A:16:SER:HA	1:A:21:PHE:H	4	0.14
(2,122)	1:B:76:ASP:HB3	1:B:68:ASP:HA	5	0.14
(2,122)	1:B:76:ASP:HB3	1:B:68:ASP:HA	7	0.14
(2,121)	1:A:76:ASP:HB3	1:A:68:ASP:HA	5	0.14
(2,121)	1:A:76:ASP:HB3	1:A:68:ASP:HA	7	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,988)	1:B:87:LEU:HB2	1:B:86:GLY:H	3	0.14
(1,988)	1:B:87:LEU:HB2	1:B:86:GLY:H	7	0.14
(1,988)	1:B:87:LEU:HB2	1:B:86:GLY:H	10	0.14
(1,988)	1:B:87:LEU:HB2	1:B:86:GLY:H	16	0.14
(1,988)	1:B:87:LEU:HB2	1:B:86:GLY:H	17	0.14
(1,987)	1:A:87:LEU:HB2	1:A:86:GLY:H	12	0.14
(1,987)	1:A:87:LEU:HB2	1:A:86:GLY:H	17	0.14
(1,90)	1:B:15:GLU:HB2	1:A:9:GLU:HG2	8	0.14
(1,90)	1:B:15:GLU:HB2	1:A:9:GLU:HG3	8	0.14
(1,90)	1:B:15:GLU:HB3	1:A:9:GLU:HG2	8	0.14
(1,90)	1:B:15:GLU:HB3	1:A:9:GLU:HG3	8	0.14
(1,89)	1:A:15:GLU:HB2	1:B:9:GLU:HG2	3	0.14
(1,89)	1:A:15:GLU:HB2	1:B:9:GLU:HG3	3	0.14
(1,89)	1:A:15:GLU:HB3	1:B:9:GLU:HG2	3	0.14
(1,89)	1:A:15:GLU:HB3	1:B:9:GLU:HG3	3	0.14
(1,89)	1:A:15:GLU:HB2	1:B:9:GLU:HG2	8	0.14
(1,89)	1:A:15:GLU:HB2	1:B:9:GLU:HG3	8	0.14
(1,89)	1:A:15:GLU:HB3	1:B:9:GLU:HG2	8	0.14
(1,89)	1:A:15:GLU:HB3	1:B:9:GLU:HG3	8	0.14
(1,89)	1:A:15:GLU:HB2	1:B:9:GLU:HG2	15	0.14
(1,89)	1:A:15:GLU:HB2	1:B:9:GLU:HG3	15	0.14
(1,89)	1:A:15:GLU:HB3	1:B:9:GLU:HG2	15	0.14
(1,89)	1:A:15:GLU:HB3	1:B:9:GLU:HG3	15	0.14
(1,88)	1:B:15:GLU:HB2	1:A:9:GLU:HG2	8	0.14
(1,88)	1:B:15:GLU:HB2	1:A:9:GLU:HG3	8	0.14
(1,88)	1:B:15:GLU:HB3	1:A:9:GLU:HG2	8	0.14
(1,88)	1:B:15:GLU:HB3	1:A:9:GLU:HG3	8	0.14
(1,87)	1:A:15:GLU:HB2	1:B:9:GLU:HG2	3	0.14
(1,87)	1:A:15:GLU:HB2	1:B:9:GLU:HG3	3	0.14
(1,87)	1:A:15:GLU:HB3	1:B:9:GLU:HG2	3	0.14
(1,87)	1:A:15:GLU:HB3	1:B:9:GLU:HG3	3	0.14
(1,87)	1:A:15:GLU:HB2	1:B:9:GLU:HG2	8	0.14
(1,87)	1:A:15:GLU:HB2	1:B:9:GLU:HG3	8	0.14
(1,87)	1:A:15:GLU:HB3	1:B:9:GLU:HG2	8	0.14
(1,87)	1:A:15:GLU:HB3	1:B:9:GLU:HG3	8	0.14
(1,87)	1:A:15:GLU:HB2	1:B:9:GLU:HG2	15	0.14
(1,87)	1:A:15:GLU:HB2	1:B:9:GLU:HG3	15	0.14
(1,87)	1:A:15:GLU:HB3	1:B:9:GLU:HG2	15	0.14
(1,87)	1:A:15:GLU:HB3	1:B:9:GLU:HG3	15	0.14
(1,686)	1:B:84:ILE:HB	1:B:83:LEU:HG	2	0.14
(1,686)	1:B:84:ILE:HB	1:B:83:LEU:HG	4	0.14
(1,686)	1:B:84:ILE:HB	1:B:83:LEU:HG	7	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,686)	1:B:84:ILE:HB	1:B:83:LEU:HG	11	0.14
(1,685)	1:A:84:ILE:HB	1:A:83:LEU:HG	2	0.14
(1,685)	1:A:84:ILE:HB	1:A:83:LEU:HG	4	0.14
(1,685)	1:A:84:ILE:HB	1:A:83:LEU:HG	7	0.14
(1,685)	1:A:84:ILE:HB	1:A:83:LEU:HG	11	0.14
(1,628)	1:B:89:MET:HG2	1:A:81:LEU:HG	8	0.14
(1,627)	1:A:89:MET:HG2	1:B:81:LEU:HG	8	0.14
(1,627)	1:A:89:MET:HG2	1:B:81:LEU:HG	14	0.14
(1,624)	1:B:34:LEU:HB2	1:B:38:GLU:HB2	10	0.14
(1,610)	1:B:63:MET:H	1:B:62:ARG:HG2	11	0.14
(1,609)	1:A:63:MET:H	1:A:62:ARG:HG2	17	0.14
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD22	2	0.14
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD21	2	0.14
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD23	2	0.14
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD12	2	0.14
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD11	2	0.14
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD13	2	0.14
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD22	6	0.14
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD21	6	0.14
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD23	6	0.14
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD12	6	0.14
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD11	6	0.14
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD13	6	0.14
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD22	18	0.14
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD21	18	0.14
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD23	18	0.14
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD12	18	0.14
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD11	18	0.14
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD13	18	0.14
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD22	2	0.14
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD21	2	0.14
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD23	2	0.14
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD12	2	0.14
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD11	2	0.14
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD13	2	0.14
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD22	6	0.14
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD21	6	0.14
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD23	6	0.14
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD12	6	0.14
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD11	6	0.14
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD13	6	0.14
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD22	18	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD21	18	0.14
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD23	18	0.14
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD12	18	0.14
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD11	18	0.14
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD13	18	0.14
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG22	4	0.14
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG21	4	0.14
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG23	4	0.14
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG12	4	0.14
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG11	4	0.14
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG13	4	0.14
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG22	10	0.14
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG21	10	0.14
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG23	10	0.14
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG12	10	0.14
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG11	10	0.14
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG13	10	0.14
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG22	1	0.14
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG21	1	0.14
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG23	1	0.14
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG12	1	0.14
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG11	1	0.14
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG13	1	0.14
(1,5530)	1:B:36:LYS:H	1:B:40:LEU:HD22	9	0.14
(1,5530)	1:B:36:LYS:H	1:B:40:LEU:HD21	9	0.14
(1,5530)	1:B:36:LYS:H	1:B:40:LEU:HD23	9	0.14
(1,5530)	1:B:39:PHE:H	1:B:40:LEU:HD22	9	0.14
(1,5530)	1:B:39:PHE:H	1:B:40:LEU:HD21	9	0.14
(1,5530)	1:B:39:PHE:H	1:B:40:LEU:HD23	9	0.14
(1,5529)	1:A:36:LYS:H	1:A:40:LEU:HD22	9	0.14
(1,5529)	1:A:36:LYS:H	1:A:40:LEU:HD21	9	0.14
(1,5529)	1:A:36:LYS:H	1:A:40:LEU:HD23	9	0.14
(1,5529)	1:A:39:PHE:H	1:A:40:LEU:HD22	9	0.14
(1,5529)	1:A:39:PHE:H	1:A:40:LEU:HD21	9	0.14
(1,5529)	1:A:39:PHE:H	1:A:40:LEU:HD23	9	0.14
(1,5512)	1:B:42:PHE:H	1:B:27:LYS:HD2	13	0.14
(1,5512)	1:B:42:PHE:H	1:B:27:LYS:HD3	13	0.14
(1,5512)	1:B:42:PHE:H	1:B:46:GLU:HB2	13	0.14
(1,5511)	1:A:42:PHE:H	1:A:27:LYS:HD2	13	0.14
(1,5511)	1:A:42:PHE:H	1:A:27:LYS:HD3	13	0.14
(1,5511)	1:A:42:PHE:H	1:A:46:GLU:HB2	13	0.14
(1,5496)	1:B:59:VAL:H	1:B:61:ASP:HB2	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5496)	1:B:59:VAL:H	1:B:61:ASP:HB3	11	0.14
(1,5496)	1:B:90:ALA:H	1:B:89:MET:HG2	11	0.14
(1,5496)	1:B:90:ALA:H	1:B:93:ASP:HB2	11	0.14
(1,5496)	1:B:59:VAL:H	1:B:61:ASP:HB2	12	0.14
(1,5496)	1:B:59:VAL:H	1:B:61:ASP:HB3	12	0.14
(1,5496)	1:B:90:ALA:H	1:B:89:MET:HG2	12	0.14
(1,5496)	1:B:90:ALA:H	1:B:93:ASP:HB2	12	0.14
(1,5495)	1:A:59:VAL:H	1:A:61:ASP:HB2	12	0.14
(1,5495)	1:A:59:VAL:H	1:A:61:ASP:HB3	12	0.14
(1,5495)	1:A:90:ALA:H	1:A:89:MET:HG2	12	0.14
(1,5495)	1:A:90:ALA:H	1:A:93:ASP:HB2	12	0.14
(1,5480)	1:B:86:GLY:H	1:B:67:LEU:HD22	7	0.14
(1,5480)	1:B:86:GLY:H	1:B:67:LEU:HD21	7	0.14
(1,5480)	1:B:86:GLY:H	1:B:67:LEU:HD23	7	0.14
(1,5480)	1:B:86:GLY:H	1:B:67:LEU:HD12	7	0.14
(1,5480)	1:B:86:GLY:H	1:B:67:LEU:HD11	7	0.14
(1,5480)	1:B:86:GLY:H	1:B:67:LEU:HD13	7	0.14
(1,5480)	1:B:86:GLY:H	1:B:83:LEU:HD22	7	0.14
(1,5480)	1:B:86:GLY:H	1:B:83:LEU:HD21	7	0.14
(1,5480)	1:B:86:GLY:H	1:B:83:LEU:HD23	7	0.14
(1,5480)	1:B:86:GLY:H	1:B:67:LEU:HD22	9	0.14
(1,5480)	1:B:86:GLY:H	1:B:67:LEU:HD21	9	0.14
(1,5480)	1:B:86:GLY:H	1:B:67:LEU:HD23	9	0.14
(1,5480)	1:B:86:GLY:H	1:B:67:LEU:HD12	9	0.14
(1,5480)	1:B:86:GLY:H	1:B:67:LEU:HD11	9	0.14
(1,5480)	1:B:86:GLY:H	1:B:67:LEU:HD13	9	0.14
(1,5480)	1:B:86:GLY:H	1:B:83:LEU:HD22	9	0.14
(1,5480)	1:B:86:GLY:H	1:B:83:LEU:HD21	9	0.14
(1,5480)	1:B:86:GLY:H	1:B:83:LEU:HD23	9	0.14
(1,5479)	1:A:86:GLY:H	1:A:67:LEU:HD22	9	0.14
(1,5479)	1:A:86:GLY:H	1:A:67:LEU:HD21	9	0.14
(1,5479)	1:A:86:GLY:H	1:A:67:LEU:HD23	9	0.14
(1,5479)	1:A:86:GLY:H	1:A:67:LEU:HD12	9	0.14
(1,5479)	1:A:86:GLY:H	1:A:67:LEU:HD11	9	0.14
(1,5479)	1:A:86:GLY:H	1:A:67:LEU:HD13	9	0.14
(1,5479)	1:A:86:GLY:H	1:A:83:LEU:HD22	9	0.14
(1,5479)	1:A:86:GLY:H	1:A:83:LEU:HD21	9	0.14
(1,5479)	1:A:86:GLY:H	1:A:83:LEU:HD23	9	0.14
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG22	13	0.14
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG21	13	0.14
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG23	13	0.14
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD12	13	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD11	13	0.14
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD13	13	0.14
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD22	13	0.14
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD21	13	0.14
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD23	13	0.14
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG22	13	0.14
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG21	13	0.14
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG23	13	0.14
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD12	13	0.14
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD11	13	0.14
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD13	13	0.14
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD22	13	0.14
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD21	13	0.14
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD23	13	0.14
(1,54)	1:B:83:LEU:HD22	1:A:14:ILE:HG12	4	0.14
(1,54)	1:B:83:LEU:HD22	1:A:14:ILE:HG13	4	0.14
(1,54)	1:B:83:LEU:HD21	1:A:14:ILE:HG12	4	0.14
(1,54)	1:B:83:LEU:HD21	1:A:14:ILE:HG13	4	0.14
(1,54)	1:B:83:LEU:HD23	1:A:14:ILE:HG12	4	0.14
(1,54)	1:B:83:LEU:HD23	1:A:14:ILE:HG13	4	0.14
(1,5328)	1:B:99:VAL:H	1:B:96:LEU:HD22	4	0.14
(1,5328)	1:B:99:VAL:H	1:B:96:LEU:HD21	4	0.14
(1,5328)	1:B:99:VAL:H	1:B:96:LEU:HD23	4	0.14
(1,5328)	1:B:99:VAL:H	1:B:96:LEU:HD12	4	0.14
(1,5328)	1:B:99:VAL:H	1:B:96:LEU:HD11	4	0.14
(1,5328)	1:B:99:VAL:H	1:B:96:LEU:HD13	4	0.14
(1,5327)	1:A:99:VAL:H	1:A:96:LEU:HD22	4	0.14
(1,5327)	1:A:99:VAL:H	1:A:96:LEU:HD21	4	0.14
(1,5327)	1:A:99:VAL:H	1:A:96:LEU:HD23	4	0.14
(1,5327)	1:A:99:VAL:H	1:A:96:LEU:HD12	4	0.14
(1,5327)	1:A:99:VAL:H	1:A:96:LEU:HD11	4	0.14
(1,5327)	1:A:99:VAL:H	1:A:96:LEU:HD13	4	0.14
(1,5196)	1:B:73:GLY:H	1:B:75:LEU:HB3	1	0.14
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG21	1	0.14
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG22	1	0.14
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG23	1	0.14
(1,5196)	1:B:73:GLY:H	1:B:75:LEU:HB3	10	0.14
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG21	10	0.14
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG22	10	0.14
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG23	10	0.14
(1,5196)	1:B:73:GLY:H	1:B:75:LEU:HB3	15	0.14
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG21	15	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG22	15	0.14
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG23	15	0.14
(1,5195)	1:A:73:GLY:H	1:A:75:LEU:HB3	1	0.14
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG21	1	0.14
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG22	1	0.14
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG23	1	0.14
(1,5195)	1:A:73:GLY:H	1:A:75:LEU:HB3	15	0.14
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG21	15	0.14
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG22	15	0.14
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG23	15	0.14
(1,5058)	1:B:37:THR:HG21	1:B:33:THR:HG21	7	0.14
(1,5058)	1:B:37:THR:HG21	1:B:33:THR:HG22	7	0.14
(1,5058)	1:B:37:THR:HG21	1:B:33:THR:HG23	7	0.14
(1,5058)	1:B:37:THR:HG22	1:B:33:THR:HG21	7	0.14
(1,5058)	1:B:37:THR:HG22	1:B:33:THR:HG22	7	0.14
(1,5058)	1:B:37:THR:HG22	1:B:33:THR:HG23	7	0.14
(1,5058)	1:B:37:THR:HG23	1:B:33:THR:HG21	7	0.14
(1,5058)	1:B:37:THR:HG23	1:B:33:THR:HG22	7	0.14
(1,5058)	1:B:37:THR:HG23	1:B:33:THR:HG23	7	0.14
(1,5058)	1:B:45:THR:HG21	1:B:23:LYS:HG2	7	0.14
(1,5058)	1:B:45:THR:HG22	1:B:23:LYS:HG2	7	0.14
(1,5058)	1:B:45:THR:HG23	1:B:23:LYS:HG2	7	0.14
(1,5058)	1:B:45:THR:HG21	1:B:47:LEU:HG	7	0.14
(1,5058)	1:B:45:THR:HG22	1:B:47:LEU:HG	7	0.14
(1,5058)	1:B:45:THR:HG23	1:B:47:LEU:HG	7	0.14
(1,5058)	1:B:45:THR:HG21	1:A:10:THR:HG21	7	0.14
(1,5058)	1:B:45:THR:HG21	1:A:10:THR:HG22	7	0.14
(1,5058)	1:B:45:THR:HG21	1:A:10:THR:HG23	7	0.14
(1,5058)	1:B:45:THR:HG22	1:A:10:THR:HG21	7	0.14
(1,5058)	1:B:45:THR:HG22	1:A:10:THR:HG22	7	0.14
(1,5058)	1:B:45:THR:HG22	1:A:10:THR:HG23	7	0.14
(1,5058)	1:B:45:THR:HG23	1:A:10:THR:HG21	7	0.14
(1,5058)	1:B:45:THR:HG23	1:A:10:THR:HG22	7	0.14
(1,5058)	1:B:45:THR:HG23	1:A:10:THR:HG23	7	0.14
(1,4974)	1:B:83:LEU:HD22	1:B:80:PHE:HA	2	0.14
(1,4974)	1:B:83:LEU:HD21	1:B:80:PHE:HA	2	0.14
(1,4974)	1:B:83:LEU:HD23	1:B:80:PHE:HA	2	0.14
(1,4974)	1:B:83:LEU:HA	1:B:83:LEU:HD22	2	0.14
(1,4974)	1:B:83:LEU:HA	1:B:83:LEU:HD21	2	0.14
(1,4974)	1:B:83:LEU:HA	1:B:83:LEU:HD23	2	0.14
(1,4974)	1:B:37:THR:HA	1:B:40:LEU:HD22	2	0.14
(1,4974)	1:B:37:THR:HA	1:B:40:LEU:HD21	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4974)	1:B:37:THR:HA	1:B:40:LEU:HD23	2	0.14
(1,4973)	1:A:83:LEU:HD22	1:A:80:PHE:HA	2	0.14
(1,4973)	1:A:83:LEU:HD21	1:A:80:PHE:HA	2	0.14
(1,4973)	1:A:83:LEU:HD23	1:A:80:PHE:HA	2	0.14
(1,4973)	1:A:83:LEU:HA	1:A:83:LEU:HD22	2	0.14
(1,4973)	1:A:83:LEU:HA	1:A:83:LEU:HD21	2	0.14
(1,4973)	1:A:83:LEU:HA	1:A:83:LEU:HD23	2	0.14
(1,4973)	1:A:37:THR:HA	1:A:40:LEU:HD22	2	0.14
(1,4973)	1:A:37:THR:HA	1:A:40:LEU:HD21	2	0.14
(1,4973)	1:A:37:THR:HA	1:A:40:LEU:HD23	2	0.14
(1,4882)	1:B:37:THR:HG21	1:B:40:LEU:HB2	19	0.14
(1,4882)	1:B:37:THR:HG22	1:B:40:LEU:HB2	19	0.14
(1,4882)	1:B:37:THR:HG23	1:B:40:LEU:HB2	19	0.14
(1,4882)	1:B:37:THR:HG21	1:B:40:LEU:HG	19	0.14
(1,4882)	1:B:37:THR:HG22	1:B:40:LEU:HG	19	0.14
(1,4882)	1:B:37:THR:HG23	1:B:40:LEU:HG	19	0.14
(1,4881)	1:A:37:THR:HG21	1:A:40:LEU:HB2	11	0.14
(1,4881)	1:A:37:THR:HG22	1:A:40:LEU:HB2	11	0.14
(1,4881)	1:A:37:THR:HG23	1:A:40:LEU:HB2	11	0.14
(1,4881)	1:A:37:THR:HG21	1:A:40:LEU:HG	11	0.14
(1,4881)	1:A:37:THR:HG22	1:A:40:LEU:HG	11	0.14
(1,4881)	1:A:37:THR:HG23	1:A:40:LEU:HG	11	0.14
(1,4881)	1:A:37:THR:HG21	1:A:40:LEU:HB2	19	0.14
(1,4881)	1:A:37:THR:HG22	1:A:40:LEU:HB2	19	0.14
(1,4881)	1:A:37:THR:HG23	1:A:40:LEU:HB2	19	0.14
(1,4881)	1:A:37:THR:HG21	1:A:40:LEU:HG	19	0.14
(1,4881)	1:A:37:THR:HG22	1:A:40:LEU:HG	19	0.14
(1,4881)	1:A:37:THR:HG23	1:A:40:LEU:HG	19	0.14
(1,4858)	1:B:23:LYS:HB2	1:B:23:LYS:HE2	17	0.14
(1,4858)	1:B:23:LYS:HB2	1:B:23:LYS:HE3	17	0.14
(1,4858)	1:B:23:LYS:HB3	1:B:23:LYS:HE2	17	0.14
(1,4858)	1:B:23:LYS:HB3	1:B:23:LYS:HE3	17	0.14
(1,4846)	1:B:52:LYS:HE2	1:B:50:PHE:HB2	9	0.14
(1,4846)	1:B:52:LYS:HE2	1:B:50:PHE:HB3	9	0.14
(1,4846)	1:B:52:LYS:HE3	1:B:50:PHE:HB2	9	0.14
(1,4846)	1:B:52:LYS:HE3	1:B:50:PHE:HB3	9	0.14
(1,4846)	1:B:66:LYS:HE2	1:B:50:PHE:HB2	9	0.14
(1,4846)	1:B:66:LYS:HE2	1:B:50:PHE:HB3	9	0.14
(1,4846)	1:B:66:LYS:HE3	1:B:50:PHE:HB2	9	0.14
(1,4846)	1:B:66:LYS:HE3	1:B:50:PHE:HB3	9	0.14
(1,4846)	1:B:66:LYS:HE2	1:B:62:ARG:HD3	9	0.14
(1,4846)	1:B:66:LYS:HE3	1:B:62:ARG:HD3	9	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4846)	1:B:97:LYS:HE2	1:B:95:PHE:HB2	9	0.14
(1,4846)	1:B:97:LYS:HE2	1:B:95:PHE:HB3	9	0.14
(1,4846)	1:B:97:LYS:HE3	1:B:95:PHE:HB2	9	0.14
(1,4846)	1:B:97:LYS:HE3	1:B:95:PHE:HB3	9	0.14
(1,4845)	1:A:52:LYS:HE2	1:A:50:PHE:HB2	9	0.14
(1,4845)	1:A:52:LYS:HE2	1:A:50:PHE:HB3	9	0.14
(1,4845)	1:A:52:LYS:HE3	1:A:50:PHE:HB2	9	0.14
(1,4845)	1:A:52:LYS:HE3	1:A:50:PHE:HB3	9	0.14
(1,4845)	1:A:66:LYS:HE2	1:A:50:PHE:HB2	9	0.14
(1,4845)	1:A:66:LYS:HE2	1:A:50:PHE:HB3	9	0.14
(1,4845)	1:A:66:LYS:HE3	1:A:50:PHE:HB2	9	0.14
(1,4845)	1:A:66:LYS:HE3	1:A:50:PHE:HB3	9	0.14
(1,4845)	1:A:66:LYS:HE2	1:A:62:ARG:HD3	9	0.14
(1,4845)	1:A:66:LYS:HE3	1:A:62:ARG:HD3	9	0.14
(1,4845)	1:A:97:LYS:HE2	1:A:95:PHE:HB2	9	0.14
(1,4845)	1:A:97:LYS:HE2	1:A:95:PHE:HB3	9	0.14
(1,4845)	1:A:97:LYS:HE3	1:A:95:PHE:HB2	9	0.14
(1,4845)	1:A:97:LYS:HE3	1:A:95:PHE:HB3	9	0.14
(1,4832)	1:B:12:ARG:HD2	1:B:9:GLU:HA	1	0.14
(1,4832)	1:B:12:ARG:HD3	1:B:9:GLU:HA	1	0.14
(1,4832)	1:B:12:ARG:HD2	1:B:12:ARG:HA	1	0.14
(1,4832)	1:B:12:ARG:HD3	1:B:12:ARG:HA	1	0.14
(1,4831)	1:A:12:ARG:HD2	1:A:9:GLU:HA	1	0.14
(1,4831)	1:A:12:ARG:HD3	1:A:9:GLU:HA	1	0.14
(1,4831)	1:A:12:ARG:HD2	1:A:12:ARG:HA	1	0.14
(1,4831)	1:A:12:ARG:HD3	1:A:12:ARG:HA	1	0.14
(1,481)	1:A:8:THR:HA	1:A:10:THR:HG21	7	0.14
(1,481)	1:A:8:THR:HA	1:A:10:THR:HG22	7	0.14
(1,481)	1:A:8:THR:HA	1:A:10:THR:HG23	7	0.14
(1,4780)	1:B:10:THR:HB	1:B:14:ILE:HD12	13	0.14
(1,4780)	1:B:10:THR:HB	1:B:14:ILE:HD11	13	0.14
(1,4780)	1:B:10:THR:HB	1:B:14:ILE:HD13	13	0.14
(1,4780)	1:B:14:ILE:HD12	1:A:88:ALA:HA	13	0.14
(1,4780)	1:B:14:ILE:HD11	1:A:88:ALA:HA	13	0.14
(1,4780)	1:B:14:ILE:HD13	1:A:88:ALA:HA	13	0.14
(1,4779)	1:A:10:THR:HB	1:A:14:ILE:HD12	13	0.14
(1,4779)	1:A:10:THR:HB	1:A:14:ILE:HD11	13	0.14
(1,4779)	1:A:10:THR:HB	1:A:14:ILE:HD13	13	0.14
(1,4779)	1:A:14:ILE:HD12	1:B:88:ALA:HA	13	0.14
(1,4779)	1:A:14:ILE:HD11	1:B:88:ALA:HA	13	0.14
(1,4779)	1:A:14:ILE:HD13	1:B:88:ALA:HA	13	0.14
(1,4688)	1:B:17:LEU:HD22	1:B:21:PHE:H	3	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4688)	1:B:17:LEU:HD21	1:B:21:PHE:H	3	0.14
(1,4688)	1:B:17:LEU:HD23	1:B:21:PHE:H	3	0.14
(1,4688)	1:B:38:GLU:H	1:B:40:LEU:HD22	3	0.14
(1,4688)	1:B:38:GLU:H	1:B:40:LEU:HD21	3	0.14
(1,4688)	1:B:38:GLU:H	1:B:40:LEU:HD23	3	0.14
(1,4688)	1:B:41:SER:H	1:B:40:LEU:HD22	3	0.14
(1,4688)	1:B:41:SER:H	1:B:40:LEU:HD21	3	0.14
(1,4688)	1:B:41:SER:H	1:B:40:LEU:HD23	3	0.14
(1,4688)	1:B:61:ASP:H	1:B:40:LEU:HD22	3	0.14
(1,4688)	1:B:61:ASP:H	1:B:40:LEU:HD21	3	0.14
(1,4688)	1:B:61:ASP:H	1:B:40:LEU:HD23	3	0.14
(1,4688)	1:B:61:ASP:H	1:B:60:LEU:HD22	3	0.14
(1,4688)	1:B:61:ASP:H	1:B:60:LEU:HD21	3	0.14
(1,4688)	1:B:61:ASP:H	1:B:60:LEU:HD23	3	0.14
(1,4688)	1:B:17:LEU:HD22	1:B:21:PHE:H	4	0.14
(1,4688)	1:B:17:LEU:HD21	1:B:21:PHE:H	4	0.14
(1,4688)	1:B:17:LEU:HD23	1:B:21:PHE:H	4	0.14
(1,4688)	1:B:38:GLU:H	1:B:40:LEU:HD22	4	0.14
(1,4688)	1:B:38:GLU:H	1:B:40:LEU:HD21	4	0.14
(1,4688)	1:B:38:GLU:H	1:B:40:LEU:HD23	4	0.14
(1,4688)	1:B:41:SER:H	1:B:40:LEU:HD22	4	0.14
(1,4688)	1:B:41:SER:H	1:B:40:LEU:HD21	4	0.14
(1,4688)	1:B:41:SER:H	1:B:40:LEU:HD23	4	0.14
(1,4688)	1:B:61:ASP:H	1:B:40:LEU:HD22	4	0.14
(1,4688)	1:B:61:ASP:H	1:B:40:LEU:HD21	4	0.14
(1,4688)	1:B:61:ASP:H	1:B:40:LEU:HD23	4	0.14
(1,4688)	1:B:61:ASP:H	1:B:60:LEU:HD22	4	0.14
(1,4688)	1:B:61:ASP:H	1:B:60:LEU:HD21	4	0.14
(1,4688)	1:B:61:ASP:H	1:B:60:LEU:HD23	4	0.14
(1,4688)	1:B:17:LEU:HD22	1:B:21:PHE:H	8	0.14
(1,4688)	1:B:17:LEU:HD21	1:B:21:PHE:H	8	0.14
(1,4688)	1:B:17:LEU:HD23	1:B:21:PHE:H	8	0.14
(1,4688)	1:B:38:GLU:H	1:B:40:LEU:HD22	8	0.14
(1,4688)	1:B:38:GLU:H	1:B:40:LEU:HD21	8	0.14
(1,4688)	1:B:38:GLU:H	1:B:40:LEU:HD23	8	0.14
(1,4688)	1:B:41:SER:H	1:B:40:LEU:HD22	8	0.14
(1,4688)	1:B:41:SER:H	1:B:40:LEU:HD21	8	0.14
(1,4688)	1:B:41:SER:H	1:B:40:LEU:HD23	8	0.14
(1,4688)	1:B:61:ASP:H	1:B:40:LEU:HD22	8	0.14
(1,4688)	1:B:61:ASP:H	1:B:40:LEU:HD21	8	0.14
(1,4688)	1:B:61:ASP:H	1:B:40:LEU:HD23	8	0.14
(1,4688)	1:B:61:ASP:H	1:B:60:LEU:HD22	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4688)	1:B:61:ASP:H	1:B:60:LEU:HD21	8	0.14
(1,4688)	1:B:61:ASP:H	1:B:60:LEU:HD23	8	0.14
(1,4687)	1:A:17:LEU:HD22	1:A:21:PHE:H	3	0.14
(1,4687)	1:A:17:LEU:HD21	1:A:21:PHE:H	3	0.14
(1,4687)	1:A:17:LEU:HD23	1:A:21:PHE:H	3	0.14
(1,4687)	1:A:38:GLU:H	1:A:40:LEU:HD22	3	0.14
(1,4687)	1:A:38:GLU:H	1:A:40:LEU:HD21	3	0.14
(1,4687)	1:A:38:GLU:H	1:A:40:LEU:HD23	3	0.14
(1,4687)	1:A:41:SER:H	1:A:40:LEU:HD22	3	0.14
(1,4687)	1:A:41:SER:H	1:A:40:LEU:HD21	3	0.14
(1,4687)	1:A:41:SER:H	1:A:40:LEU:HD23	3	0.14
(1,4687)	1:A:61:ASP:H	1:A:40:LEU:HD22	3	0.14
(1,4687)	1:A:61:ASP:H	1:A:40:LEU:HD21	3	0.14
(1,4687)	1:A:61:ASP:H	1:A:40:LEU:HD23	3	0.14
(1,4687)	1:A:61:ASP:H	1:A:60:LEU:HD22	3	0.14
(1,4687)	1:A:61:ASP:H	1:A:60:LEU:HD21	3	0.14
(1,4687)	1:A:61:ASP:H	1:A:60:LEU:HD23	3	0.14
(1,4687)	1:A:17:LEU:HD22	1:A:21:PHE:H	4	0.14
(1,4687)	1:A:17:LEU:HD21	1:A:21:PHE:H	4	0.14
(1,4687)	1:A:17:LEU:HD23	1:A:21:PHE:H	4	0.14
(1,4687)	1:A:38:GLU:H	1:A:40:LEU:HD22	4	0.14
(1,4687)	1:A:38:GLU:H	1:A:40:LEU:HD21	4	0.14
(1,4687)	1:A:38:GLU:H	1:A:40:LEU:HD23	4	0.14
(1,4687)	1:A:41:SER:H	1:A:40:LEU:HD22	4	0.14
(1,4687)	1:A:41:SER:H	1:A:40:LEU:HD21	4	0.14
(1,4687)	1:A:41:SER:H	1:A:40:LEU:HD23	4	0.14
(1,4687)	1:A:61:ASP:H	1:A:40:LEU:HD22	4	0.14
(1,4687)	1:A:61:ASP:H	1:A:40:LEU:HD21	4	0.14
(1,4687)	1:A:61:ASP:H	1:A:40:LEU:HD23	4	0.14
(1,4687)	1:A:61:ASP:H	1:A:60:LEU:HD22	4	0.14
(1,4687)	1:A:61:ASP:H	1:A:60:LEU:HD21	4	0.14
(1,4687)	1:A:61:ASP:H	1:A:60:LEU:HD23	4	0.14
(1,4687)	1:A:17:LEU:HD22	1:A:21:PHE:H	8	0.14
(1,4687)	1:A:17:LEU:HD21	1:A:21:PHE:H	8	0.14
(1,4687)	1:A:17:LEU:HD23	1:A:21:PHE:H	8	0.14
(1,4687)	1:A:38:GLU:H	1:A:40:LEU:HD22	8	0.14
(1,4687)	1:A:38:GLU:H	1:A:40:LEU:HD21	8	0.14
(1,4687)	1:A:38:GLU:H	1:A:40:LEU:HD23	8	0.14
(1,4687)	1:A:41:SER:H	1:A:40:LEU:HD22	8	0.14
(1,4687)	1:A:41:SER:H	1:A:40:LEU:HD21	8	0.14
(1,4687)	1:A:41:SER:H	1:A:40:LEU:HD23	8	0.14
(1,4687)	1:A:61:ASP:H	1:A:40:LEU:HD22	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4687)	1:A:61:ASP:H	1:A:40:LEU:HD21	8	0.14
(1,4687)	1:A:61:ASP:H	1:A:40:LEU:HD23	8	0.14
(1,4687)	1:A:61:ASP:H	1:A:60:LEU:HD22	8	0.14
(1,4687)	1:A:61:ASP:H	1:A:60:LEU:HD21	8	0.14
(1,4687)	1:A:61:ASP:H	1:A:60:LEU:HD23	8	0.14
(1,4676)	1:B:63:MET:HG3	1:B:63:MET:HA	15	0.14
(1,4676)	1:B:89:MET:HG3	1:A:78:SER:HB2	15	0.14
(1,4676)	1:B:89:MET:HG3	1:A:78:SER:HB3	15	0.14
(1,4675)	1:A:63:MET:HG3	1:A:63:MET:HA	15	0.14
(1,4675)	1:A:89:MET:HG3	1:B:78:SER:HB2	15	0.14
(1,4675)	1:A:89:MET:HG3	1:B:78:SER:HB3	15	0.14
(1,4652)	1:B:37:THR:HG21	1:B:41:SER:H	18	0.14
(1,4652)	1:B:37:THR:HG22	1:B:41:SER:H	18	0.14
(1,4652)	1:B:37:THR:HG23	1:B:41:SER:H	18	0.14
(1,4652)	1:B:71:SER:H	1:B:69:THR:HG21	18	0.14
(1,4652)	1:B:71:SER:H	1:B:69:THR:HG22	18	0.14
(1,4652)	1:B:71:SER:H	1:B:69:THR:HG23	18	0.14
(1,4651)	1:A:37:THR:HG21	1:A:41:SER:H	18	0.14
(1,4651)	1:A:37:THR:HG22	1:A:41:SER:H	18	0.14
(1,4651)	1:A:37:THR:HG23	1:A:41:SER:H	18	0.14
(1,4651)	1:A:71:SER:H	1:A:69:THR:HG21	18	0.14
(1,4651)	1:A:71:SER:H	1:A:69:THR:HG22	18	0.14
(1,4651)	1:A:71:SER:H	1:A:69:THR:HG23	18	0.14
(1,4550)	1:B:88:ALA:HB2	1:B:91:CYS:HB2	3	0.14
(1,4550)	1:B:88:ALA:HB2	1:B:91:CYS:HB3	3	0.14
(1,4550)	1:B:88:ALA:HB1	1:B:91:CYS:HB2	3	0.14
(1,4550)	1:B:88:ALA:HB1	1:B:91:CYS:HB3	3	0.14
(1,4550)	1:B:88:ALA:HB3	1:B:91:CYS:HB2	3	0.14
(1,4550)	1:B:88:ALA:HB3	1:B:91:CYS:HB3	3	0.14
(1,4550)	1:B:90:ALA:HB2	1:B:91:CYS:HB2	3	0.14
(1,4550)	1:B:90:ALA:HB2	1:B:91:CYS:HB3	3	0.14
(1,4550)	1:B:90:ALA:HB1	1:B:91:CYS:HB2	3	0.14
(1,4550)	1:B:90:ALA:HB1	1:B:91:CYS:HB3	3	0.14
(1,4550)	1:B:90:ALA:HB3	1:B:91:CYS:HB2	3	0.14
(1,4550)	1:B:90:ALA:HB3	1:B:91:CYS:HB3	3	0.14
(1,4549)	1:A:88:ALA:HB2	1:A:91:CYS:HB2	3	0.14
(1,4549)	1:A:88:ALA:HB2	1:A:91:CYS:HB3	3	0.14
(1,4549)	1:A:88:ALA:HB1	1:A:91:CYS:HB2	3	0.14
(1,4549)	1:A:88:ALA:HB1	1:A:91:CYS:HB3	3	0.14
(1,4549)	1:A:88:ALA:HB3	1:A:91:CYS:HB2	3	0.14
(1,4549)	1:A:88:ALA:HB3	1:A:91:CYS:HB3	3	0.14
(1,4549)	1:A:90:ALA:HB2	1:A:91:CYS:HB2	3	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4549)	1:A:90:ALA:HB2	1:A:91:CYS:HB3	3	0.14
(1,4549)	1:A:90:ALA:HB1	1:A:91:CYS:HB2	3	0.14
(1,4549)	1:A:90:ALA:HB1	1:A:91:CYS:HB3	3	0.14
(1,4549)	1:A:90:ALA:HB3	1:A:91:CYS:HB2	3	0.14
(1,4549)	1:A:90:ALA:HB3	1:A:91:CYS:HB3	3	0.14
(1,4516)	1:B:48:ALA:HA	1:B:50:PHE:HB2	1	0.14
(1,4516)	1:B:48:ALA:HA	1:B:50:PHE:HB3	1	0.14
(1,4516)	1:B:49:ALA:HA	1:B:50:PHE:HB2	1	0.14
(1,4516)	1:B:49:ALA:HA	1:B:50:PHE:HB3	1	0.14
(1,4516)	1:B:94:SER:HB2	1:B:95:PHE:HB2	1	0.14
(1,4516)	1:B:94:SER:HB2	1:B:95:PHE:HB3	1	0.14
(1,4516)	1:B:94:SER:HB3	1:B:95:PHE:HB2	1	0.14
(1,4516)	1:B:94:SER:HB3	1:B:95:PHE:HB3	1	0.14
(1,4515)	1:A:48:ALA:HA	1:A:50:PHE:HB2	1	0.14
(1,4515)	1:A:48:ALA:HA	1:A:50:PHE:HB3	1	0.14
(1,4515)	1:A:49:ALA:HA	1:A:50:PHE:HB2	1	0.14
(1,4515)	1:A:49:ALA:HA	1:A:50:PHE:HB3	1	0.14
(1,4515)	1:A:94:SER:HB2	1:A:95:PHE:HB2	1	0.14
(1,4515)	1:A:94:SER:HB2	1:A:95:PHE:HB3	1	0.14
(1,4515)	1:A:94:SER:HB3	1:A:95:PHE:HB2	1	0.14
(1,4515)	1:A:94:SER:HB3	1:A:95:PHE:HB3	1	0.14
(1,4504)	1:B:24:TYR:H	1:B:34:LEU:HD12	11	0.14
(1,4504)	1:B:24:TYR:H	1:B:34:LEU:HD11	11	0.14
(1,4504)	1:B:24:TYR:H	1:B:34:LEU:HD13	11	0.14
(1,4504)	1:B:75:LEU:HD12	1:B:83:LEU:H	11	0.14
(1,4504)	1:B:75:LEU:HD11	1:B:83:LEU:H	11	0.14
(1,4504)	1:B:75:LEU:HD13	1:B:83:LEU:H	11	0.14
(1,4504)	1:B:82:ASN:H	1:B:81:LEU:HD12	11	0.14
(1,4504)	1:B:82:ASN:H	1:B:81:LEU:HD11	11	0.14
(1,4504)	1:B:82:ASN:H	1:B:81:LEU:HD13	11	0.14
(1,4503)	1:A:24:TYR:H	1:A:34:LEU:HD12	11	0.14
(1,4503)	1:A:24:TYR:H	1:A:34:LEU:HD11	11	0.14
(1,4503)	1:A:24:TYR:H	1:A:34:LEU:HD13	11	0.14
(1,4503)	1:A:75:LEU:HD12	1:A:83:LEU:H	11	0.14
(1,4503)	1:A:75:LEU:HD11	1:A:83:LEU:H	11	0.14
(1,4503)	1:A:75:LEU:HD13	1:A:83:LEU:H	11	0.14
(1,4503)	1:A:82:ASN:H	1:A:81:LEU:HD12	11	0.14
(1,4503)	1:A:82:ASN:H	1:A:81:LEU:HD11	11	0.14
(1,4503)	1:A:82:ASN:H	1:A:81:LEU:HD13	11	0.14
(1,4487)	1:A:84:ILE:HB	1:A:17:LEU:HD22	8	0.14
(1,4487)	1:A:84:ILE:HB	1:A:17:LEU:HD21	8	0.14
(1,4487)	1:A:84:ILE:HB	1:A:17:LEU:HD23	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4487)	1:A:84:ILE:HB	1:A:81:LEU:HG	8	0.14
(1,4487)	1:A:84:ILE:HB	1:A:83:LEU:HD22	8	0.14
(1,4487)	1:A:84:ILE:HB	1:A:83:LEU:HD21	8	0.14
(1,4487)	1:A:84:ILE:HB	1:A:83:LEU:HD23	8	0.14
(1,4462)	1:B:100:PRO:HD3	1:B:99:VAL:HG22	18	0.14
(1,4462)	1:B:100:PRO:HD3	1:B:99:VAL:HG21	18	0.14
(1,4462)	1:B:100:PRO:HD3	1:B:99:VAL:HG23	18	0.14
(1,4462)	1:B:99:VAL:HG12	1:B:100:PRO:HD3	18	0.14
(1,4462)	1:B:99:VAL:HG11	1:B:100:PRO:HD3	18	0.14
(1,4462)	1:B:99:VAL:HG13	1:B:100:PRO:HD3	18	0.14
(1,4461)	1:A:100:PRO:HD3	1:A:99:VAL:HG22	18	0.14
(1,4461)	1:A:100:PRO:HD3	1:A:99:VAL:HG21	18	0.14
(1,4461)	1:A:100:PRO:HD3	1:A:99:VAL:HG23	18	0.14
(1,4461)	1:A:99:VAL:HG12	1:A:100:PRO:HD3	18	0.14
(1,4461)	1:A:99:VAL:HG11	1:A:100:PRO:HD3	18	0.14
(1,4461)	1:A:99:VAL:HG13	1:A:100:PRO:HD3	18	0.14
(1,4438)	1:B:22:GLN:HG2	1:B:25:ALA:HB2	19	0.14
(1,4438)	1:B:22:GLN:HG2	1:B:25:ALA:HB1	19	0.14
(1,4438)	1:B:22:GLN:HG2	1:B:25:ALA:HB3	19	0.14
(1,4438)	1:B:22:GLN:HG3	1:B:25:ALA:HB2	19	0.14
(1,4438)	1:B:22:GLN:HG3	1:B:25:ALA:HB1	19	0.14
(1,4438)	1:B:22:GLN:HG3	1:B:25:ALA:HB3	19	0.14
(1,4438)	1:B:25:ALA:HB2	1:B:24:TYR:HB3	19	0.14
(1,4438)	1:B:25:ALA:HB1	1:B:24:TYR:HB3	19	0.14
(1,4438)	1:B:25:ALA:HB3	1:B:24:TYR:HB3	19	0.14
(1,4437)	1:A:22:GLN:HG2	1:A:25:ALA:HB2	19	0.14
(1,4437)	1:A:22:GLN:HG2	1:A:25:ALA:HB1	19	0.14
(1,4437)	1:A:22:GLN:HG2	1:A:25:ALA:HB3	19	0.14
(1,4437)	1:A:22:GLN:HG3	1:A:25:ALA:HB2	19	0.14
(1,4437)	1:A:22:GLN:HG3	1:A:25:ALA:HB1	19	0.14
(1,4437)	1:A:22:GLN:HG3	1:A:25:ALA:HB3	19	0.14
(1,4437)	1:A:25:ALA:HB2	1:A:24:TYR:HB3	19	0.14
(1,4437)	1:A:25:ALA:HB1	1:A:24:TYR:HB3	19	0.14
(1,4437)	1:A:25:ALA:HB3	1:A:24:TYR:HB3	19	0.14
(1,4386)	1:B:95:PHE:H	1:B:98:ALA:HA	9	0.14
(1,4386)	1:B:96:LEU:H	1:B:98:ALA:HA	9	0.14
(1,4385)	1:A:95:PHE:H	1:A:98:ALA:HA	9	0.14
(1,4385)	1:A:96:LEU:H	1:A:98:ALA:HA	9	0.14
(1,4376)	1:B:74:GLN:H	1:B:33:THR:HG21	13	0.14
(1,4376)	1:B:74:GLN:H	1:B:33:THR:HG22	13	0.14
(1,4376)	1:B:74:GLN:H	1:B:33:THR:HG23	13	0.14
(1,4376)	1:B:59:VAL:HG12	1:B:62:ARG:H	13	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4376)	1:B:59:VAL:HG11	1:B:62:ARG:H	13	0.14
(1,4376)	1:B:59:VAL:HG13	1:B:62:ARG:H	13	0.14
(1,4376)	1:B:74:GLN:H	1:B:33:THR:HG21	17	0.14
(1,4376)	1:B:74:GLN:H	1:B:33:THR:HG22	17	0.14
(1,4376)	1:B:74:GLN:H	1:B:33:THR:HG23	17	0.14
(1,4376)	1:B:59:VAL:HG12	1:B:62:ARG:H	17	0.14
(1,4376)	1:B:59:VAL:HG11	1:B:62:ARG:H	17	0.14
(1,4376)	1:B:59:VAL:HG13	1:B:62:ARG:H	17	0.14
(1,4376)	1:B:74:GLN:H	1:B:33:THR:HG21	20	0.14
(1,4376)	1:B:74:GLN:H	1:B:33:THR:HG22	20	0.14
(1,4376)	1:B:74:GLN:H	1:B:33:THR:HG23	20	0.14
(1,4376)	1:B:59:VAL:HG12	1:B:62:ARG:H	20	0.14
(1,4376)	1:B:59:VAL:HG11	1:B:62:ARG:H	20	0.14
(1,4376)	1:B:59:VAL:HG13	1:B:62:ARG:H	20	0.14
(1,4375)	1:A:74:GLN:H	1:A:33:THR:HG21	17	0.14
(1,4375)	1:A:74:GLN:H	1:A:33:THR:HG22	17	0.14
(1,4375)	1:A:74:GLN:H	1:A:33:THR:HG23	17	0.14
(1,4375)	1:A:59:VAL:HG12	1:A:62:ARG:H	17	0.14
(1,4375)	1:A:59:VAL:HG11	1:A:62:ARG:H	17	0.14
(1,4375)	1:A:59:VAL:HG13	1:A:62:ARG:H	17	0.14
(1,4375)	1:A:74:GLN:H	1:A:33:THR:HG21	20	0.14
(1,4375)	1:A:74:GLN:H	1:A:33:THR:HG22	20	0.14
(1,4375)	1:A:74:GLN:H	1:A:33:THR:HG23	20	0.14
(1,4375)	1:A:59:VAL:HG12	1:A:62:ARG:H	20	0.14
(1,4375)	1:A:59:VAL:HG11	1:A:62:ARG:H	20	0.14
(1,4375)	1:A:59:VAL:HG13	1:A:62:ARG:H	20	0.14
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD22	12	0.14
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD21	12	0.14
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD23	12	0.14
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD22	12	0.14
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD21	12	0.14
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD23	12	0.14
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD22	12	0.14
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD21	12	0.14
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD23	12	0.14
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD12	12	0.14
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD11	12	0.14
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD13	12	0.14
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD12	12	0.14
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD11	12	0.14
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD13	12	0.14
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD12	12	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD11	12	0.14
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD13	12	0.14
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD22	8	0.14
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD21	8	0.14
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD23	8	0.14
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD22	8	0.14
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD21	8	0.14
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD23	8	0.14
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD22	8	0.14
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD21	8	0.14
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD23	8	0.14
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD12	8	0.14
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD11	8	0.14
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD13	8	0.14
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD12	8	0.14
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD11	8	0.14
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD13	8	0.14
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD12	8	0.14
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD11	8	0.14
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD13	8	0.14
(1,4342)	1:B:41:SER:H	1:B:60:LEU:HD12	11	0.14
(1,4342)	1:B:41:SER:H	1:B:60:LEU:HD11	11	0.14
(1,4342)	1:B:41:SER:H	1:B:60:LEU:HD13	11	0.14
(1,4342)	1:B:83:LEU:HD12	1:B:86:GLY:H	11	0.14
(1,4342)	1:B:83:LEU:HD11	1:B:86:GLY:H	11	0.14
(1,4342)	1:B:83:LEU:HD13	1:B:86:GLY:H	11	0.14
(1,4341)	1:A:41:SER:H	1:A:60:LEU:HD12	11	0.14
(1,4341)	1:A:41:SER:H	1:A:60:LEU:HD11	11	0.14
(1,4341)	1:A:41:SER:H	1:A:60:LEU:HD13	11	0.14
(1,4341)	1:A:83:LEU:HD12	1:A:86:GLY:H	11	0.14
(1,4341)	1:A:83:LEU:HD11	1:A:86:GLY:H	11	0.14
(1,4341)	1:A:83:LEU:HD13	1:A:86:GLY:H	11	0.14
(1,4316)	1:B:22:GLN:HA	1:B:19:ALA:HA	5	0.14
(1,4316)	1:B:25:ALA:HA	1:B:22:GLN:HA	5	0.14
(1,4316)	1:B:22:GLN:HA	1:B:26:GLY:HA2	5	0.14
(1,4316)	1:B:37:THR:HA	1:B:40:LEU:HA	5	0.14
(1,4315)	1:A:22:GLN:HA	1:A:19:ALA:HA	5	0.14
(1,4315)	1:A:25:ALA:HA	1:A:22:GLN:HA	5	0.14
(1,4315)	1:A:22:GLN:HA	1:A:26:GLY:HA2	5	0.14
(1,4315)	1:A:37:THR:HA	1:A:40:LEU:HA	5	0.14
(1,4262)	1:B:59:VAL:HA	1:B:61:ASP:HB2	16	0.14
(1,4262)	1:B:63:MET:HG2	1:B:59:VAL:HA	16	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4246)	1:B:89:MET:HB2	1:B:85:GLY:H	1	0.14
(1,4246)	1:B:89:MET:HB3	1:B:85:GLY:H	1	0.14
(1,4246)	1:B:100:PRO:HB2	1:A:22:GLN:H	1	0.14
(1,4246)	1:B:89:MET:HB2	1:B:85:GLY:H	8	0.14
(1,4246)	1:B:89:MET:HB3	1:B:85:GLY:H	8	0.14
(1,4246)	1:B:100:PRO:HB2	1:A:22:GLN:H	8	0.14
(1,4246)	1:B:89:MET:HB2	1:B:85:GLY:H	20	0.14
(1,4246)	1:B:89:MET:HB3	1:B:85:GLY:H	20	0.14
(1,4246)	1:B:100:PRO:HB2	1:A:22:GLN:H	20	0.14
(1,4245)	1:A:89:MET:HB2	1:A:85:GLY:H	1	0.14
(1,4245)	1:A:89:MET:HB3	1:A:85:GLY:H	1	0.14
(1,4245)	1:A:100:PRO:HB2	1:B:22:GLN:H	1	0.14
(1,4245)	1:A:89:MET:HB2	1:A:85:GLY:H	8	0.14
(1,4245)	1:A:89:MET:HB3	1:A:85:GLY:H	8	0.14
(1,4245)	1:A:100:PRO:HB2	1:B:22:GLN:H	8	0.14
(1,4245)	1:A:89:MET:HB2	1:A:85:GLY:H	20	0.14
(1,4245)	1:A:89:MET:HB3	1:A:85:GLY:H	20	0.14
(1,4245)	1:A:100:PRO:HB2	1:B:22:GLN:H	20	0.14
(1,4244)	1:B:87:LEU:HB2	1:B:91:CYS:HA	5	0.14
(1,4244)	1:B:91:CYS:HA	1:B:97:LYS:HB2	5	0.14
(1,4244)	1:B:91:CYS:HA	1:B:97:LYS:HB3	5	0.14
(1,4244)	1:B:91:CYS:HA	1:B:97:LYS:HD2	5	0.14
(1,4244)	1:B:91:CYS:HA	1:B:97:LYS:HD3	5	0.14
(1,4244)	1:B:91:CYS:HA	1:A:18:ILE:HB	5	0.14
(1,4244)	1:B:87:LEU:HB2	1:B:91:CYS:HA	17	0.14
(1,4244)	1:B:91:CYS:HA	1:B:97:LYS:HB2	17	0.14
(1,4244)	1:B:91:CYS:HA	1:B:97:LYS:HB3	17	0.14
(1,4244)	1:B:91:CYS:HA	1:B:97:LYS:HD2	17	0.14
(1,4244)	1:B:91:CYS:HA	1:B:97:LYS:HD3	17	0.14
(1,4244)	1:B:91:CYS:HA	1:A:18:ILE:HB	17	0.14
(1,4234)	1:B:68:ASP:HB2	1:B:65:LYS:HB2	6	0.14
(1,4234)	1:B:68:ASP:HB2	1:B:65:LYS:HB3	6	0.14
(1,4234)	1:B:68:ASP:HB2	1:B:65:LYS:HD2	6	0.14
(1,4234)	1:B:68:ASP:HB2	1:B:65:LYS:HD3	6	0.14
(1,4234)	1:B:68:ASP:HB2	1:B:65:LYS:HB2	12	0.14
(1,4234)	1:B:68:ASP:HB2	1:B:65:LYS:HB3	12	0.14
(1,4234)	1:B:68:ASP:HB2	1:B:65:LYS:HD2	12	0.14
(1,4234)	1:B:68:ASP:HB2	1:B:65:LYS:HD3	12	0.14
(1,4233)	1:A:68:ASP:HB2	1:A:65:LYS:HB2	6	0.14
(1,4233)	1:A:68:ASP:HB2	1:A:65:LYS:HB3	6	0.14
(1,4233)	1:A:68:ASP:HB2	1:A:65:LYS:HD2	6	0.14
(1,4233)	1:A:68:ASP:HB2	1:A:65:LYS:HD3	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4233)	1:A:68:ASP:HB2	1:A:65:LYS:HB2	12	0.14
(1,4233)	1:A:68:ASP:HB2	1:A:65:LYS:HB3	12	0.14
(1,4233)	1:A:68:ASP:HB2	1:A:65:LYS:HD2	12	0.14
(1,4233)	1:A:68:ASP:HB2	1:A:65:LYS:HD3	12	0.14
(1,4202)	1:B:42:PHE:HB3	1:B:20:VAL:HG22	2	0.14
(1,4202)	1:B:42:PHE:HB3	1:B:20:VAL:HG21	2	0.14
(1,4202)	1:B:42:PHE:HB3	1:B:20:VAL:HG23	2	0.14
(1,4202)	1:B:42:PHE:HB3	1:B:34:LEU:HG	2	0.14
(1,4202)	1:B:11:GLU:HG2	1:B:8:THR:HG21	2	0.14
(1,4202)	1:B:11:GLU:HG2	1:B:8:THR:HG22	2	0.14
(1,4202)	1:B:11:GLU:HG2	1:B:8:THR:HG23	2	0.14
(1,4172)	1:B:24:TYR:HB2	1:B:27:LYS:HD2	13	0.14
(1,4172)	1:B:24:TYR:HB2	1:B:27:LYS:HD3	13	0.14
(1,4172)	1:B:44:ASN:HB2	1:B:43:MET:HB2	13	0.14
(1,4172)	1:B:44:ASN:HB2	1:B:43:MET:HB3	13	0.14
(1,4171)	1:A:24:TYR:HB2	1:A:27:LYS:HD2	13	0.14
(1,4171)	1:A:24:TYR:HB2	1:A:27:LYS:HD3	13	0.14
(1,4171)	1:A:44:ASN:HB2	1:A:43:MET:HB2	13	0.14
(1,4171)	1:A:44:ASN:HB2	1:A:43:MET:HB3	13	0.14
(1,4154)	1:B:82:ASN:HA	1:B:81:LEU:HB2	14	0.14
(1,4154)	1:B:82:ASN:HA	1:B:83:LEU:HB3	14	0.14
(1,4154)	1:B:82:ASN:HA	1:A:81:LEU:HB2	14	0.14
(1,4153)	1:A:82:ASN:HA	1:A:81:LEU:HB2	14	0.14
(1,4153)	1:A:82:ASN:HA	1:A:83:LEU:HB3	14	0.14
(1,4153)	1:A:82:ASN:HA	1:B:81:LEU:HB2	14	0.14
(1,4150)	1:B:17:LEU:HG	1:B:13:CYS:HB2	17	0.14
(1,4150)	1:B:13:CYS:HB2	1:A:17:LEU:HG	17	0.14
(1,4149)	1:A:17:LEU:HG	1:A:13:CYS:HB2	3	0.14
(1,4149)	1:A:13:CYS:HB2	1:B:17:LEU:HG	3	0.14
(1,4114)	1:B:18:ILE:H	1:B:17:LEU:HD12	9	0.14
(1,4114)	1:B:18:ILE:H	1:B:17:LEU:HD11	9	0.14
(1,4114)	1:B:18:ILE:H	1:B:17:LEU:HD13	9	0.14
(1,4114)	1:B:84:ILE:H	1:B:17:LEU:HD12	9	0.14
(1,4114)	1:B:84:ILE:H	1:B:17:LEU:HD11	9	0.14
(1,4114)	1:B:84:ILE:H	1:B:17:LEU:HD13	9	0.14
(1,4113)	1:A:18:ILE:H	1:A:17:LEU:HD12	9	0.14
(1,4113)	1:A:18:ILE:H	1:A:17:LEU:HD11	9	0.14
(1,4113)	1:A:18:ILE:H	1:A:17:LEU:HD13	9	0.14
(1,4113)	1:A:84:ILE:H	1:A:17:LEU:HD12	9	0.14
(1,4113)	1:A:84:ILE:H	1:A:17:LEU:HD11	9	0.14
(1,4113)	1:A:84:ILE:H	1:A:17:LEU:HD13	9	0.14
(1,4096)	1:B:17:LEU:HD12	1:B:11:GLU:HG2	16	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4096)	1:B:17:LEU:HD11	1:B:11:GLU:HG2	16	0.14
(1,4096)	1:B:17:LEU:HD13	1:B:11:GLU:HG2	16	0.14
(1,4096)	1:B:17:LEU:HD12	1:B:89:MET:HG3	16	0.14
(1,4096)	1:B:17:LEU:HD11	1:B:89:MET:HG3	16	0.14
(1,4096)	1:B:17:LEU:HD13	1:B:89:MET:HG3	16	0.14
(1,4096)	1:B:17:LEU:HD12	1:A:11:GLU:HG2	16	0.14
(1,4096)	1:B:17:LEU:HD11	1:A:11:GLU:HG2	16	0.14
(1,4096)	1:B:17:LEU:HD13	1:A:11:GLU:HG2	16	0.14
(1,4096)	1:B:17:LEU:HD12	1:A:89:MET:HG3	16	0.14
(1,4096)	1:B:17:LEU:HD11	1:A:89:MET:HG3	16	0.14
(1,4096)	1:B:17:LEU:HD13	1:A:89:MET:HG3	16	0.14
(1,4095)	1:A:17:LEU:HD12	1:A:11:GLU:HG2	16	0.14
(1,4095)	1:A:17:LEU:HD11	1:A:11:GLU:HG2	16	0.14
(1,4095)	1:A:17:LEU:HD13	1:A:11:GLU:HG2	16	0.14
(1,4095)	1:A:17:LEU:HD12	1:A:89:MET:HG3	16	0.14
(1,4095)	1:A:17:LEU:HD11	1:A:89:MET:HG3	16	0.14
(1,4095)	1:A:17:LEU:HD13	1:A:89:MET:HG3	16	0.14
(1,4095)	1:A:17:LEU:HD12	1:B:11:GLU:HG2	16	0.14
(1,4095)	1:A:17:LEU:HD11	1:B:11:GLU:HG2	16	0.14
(1,4095)	1:A:17:LEU:HD13	1:B:11:GLU:HG2	16	0.14
(1,4095)	1:A:17:LEU:HD12	1:B:89:MET:HG3	16	0.14
(1,4095)	1:A:17:LEU:HD11	1:B:89:MET:HG3	16	0.14
(1,4095)	1:A:17:LEU:HD13	1:B:89:MET:HG3	16	0.14
(1,4066)	1:B:44:ASN:HB3	1:B:40:LEU:HD12	9	0.14
(1,4066)	1:B:44:ASN:HB3	1:B:40:LEU:HD11	9	0.14
(1,4066)	1:B:44:ASN:HB3	1:B:40:LEU:HD13	9	0.14
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD22	9	0.14
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD21	9	0.14
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD23	9	0.14
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD12	9	0.14
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD11	9	0.14
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD13	9	0.14
(1,4065)	1:A:44:ASN:HB3	1:A:40:LEU:HD12	9	0.14
(1,4065)	1:A:44:ASN:HB3	1:A:40:LEU:HD11	9	0.14
(1,4065)	1:A:44:ASN:HB3	1:A:40:LEU:HD13	9	0.14
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD22	9	0.14
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD21	9	0.14
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD23	9	0.14
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD12	9	0.14
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD11	9	0.14
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD13	9	0.14
(1,4057)	1:A:18:ILE:HG22	1:B:91:CYS:HB2	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4057)	1:A:18:ILE:HG22	1:B:91:CYS:HB3	11	0.14
(1,4057)	1:A:18:ILE:HG21	1:B:91:CYS:HB2	11	0.14
(1,4057)	1:A:18:ILE:HG21	1:B:91:CYS:HB3	11	0.14
(1,4057)	1:A:18:ILE:HG23	1:B:91:CYS:HB2	11	0.14
(1,4057)	1:A:18:ILE:HG23	1:B:91:CYS:HB3	11	0.14
(1,4057)	1:A:21:PHE:HB2	1:A:18:ILE:HG22	11	0.14
(1,4057)	1:A:21:PHE:HB2	1:A:18:ILE:HG21	11	0.14
(1,4057)	1:A:21:PHE:HB2	1:A:18:ILE:HG23	11	0.14
(1,4052)	1:B:58:GLY:HA3	1:B:57:PRO:HB3	5	0.14
(1,4052)	1:B:58:GLY:HA3	1:B:57:PRO:HG2	5	0.14
(1,4052)	1:B:58:GLY:HA3	1:B:57:PRO:HG3	5	0.14
(1,4051)	1:A:58:GLY:HA3	1:A:57:PRO:HB3	5	0.14
(1,4051)	1:A:58:GLY:HA3	1:A:57:PRO:HG2	5	0.14
(1,4051)	1:A:58:GLY:HA3	1:A:57:PRO:HG3	5	0.14
(1,4012)	1:B:81:LEU:HD22	1:A:89:MET:HG3	15	0.14
(1,4012)	1:B:81:LEU:HD21	1:A:89:MET:HG3	15	0.14
(1,4012)	1:B:81:LEU:HD23	1:A:89:MET:HG3	15	0.14
(1,4012)	1:B:81:LEU:HD22	1:B:21:PHE:HB3	15	0.14
(1,4012)	1:B:81:LEU:HD21	1:B:21:PHE:HB3	15	0.14
(1,4012)	1:B:81:LEU:HD23	1:B:21:PHE:HB3	15	0.14
(1,3956)	1:B:48:ALA:HA	1:B:50:PHE:HB2	3	0.14
(1,3956)	1:B:48:ALA:HA	1:B:50:PHE:HB3	3	0.14
(1,3956)	1:B:49:ALA:HA	1:B:50:PHE:HB2	3	0.14
(1,3956)	1:B:49:ALA:HA	1:B:50:PHE:HB3	3	0.14
(1,3956)	1:B:48:ALA:HA	1:B:50:PHE:HB2	9	0.14
(1,3956)	1:B:48:ALA:HA	1:B:50:PHE:HB3	9	0.14
(1,3956)	1:B:49:ALA:HA	1:B:50:PHE:HB2	9	0.14
(1,3956)	1:B:49:ALA:HA	1:B:50:PHE:HB3	9	0.14
(1,3955)	1:A:48:ALA:HA	1:A:50:PHE:HB2	3	0.14
(1,3955)	1:A:48:ALA:HA	1:A:50:PHE:HB3	3	0.14
(1,3955)	1:A:49:ALA:HA	1:A:50:PHE:HB2	3	0.14
(1,3955)	1:A:49:ALA:HA	1:A:50:PHE:HB3	3	0.14
(1,3955)	1:A:48:ALA:HA	1:A:50:PHE:HB2	9	0.14
(1,3955)	1:A:48:ALA:HA	1:A:50:PHE:HB3	9	0.14
(1,3955)	1:A:49:ALA:HA	1:A:50:PHE:HB2	9	0.14
(1,3955)	1:A:49:ALA:HA	1:A:50:PHE:HB3	9	0.14
(1,3926)	1:B:15:GLU:HB2	1:B:13:CYS:HB3	18	0.14
(1,3926)	1:B:15:GLU:HB3	1:B:13:CYS:HB3	18	0.14
(1,3926)	1:B:15:GLU:HB2	1:A:91:CYS:HB2	18	0.14
(1,3926)	1:B:15:GLU:HB2	1:A:91:CYS:HB3	18	0.14
(1,3926)	1:B:15:GLU:HB3	1:A:91:CYS:HB2	18	0.14
(1,3926)	1:B:15:GLU:HB3	1:A:91:CYS:HB3	18	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3926)	1:B:9:GLU:HB2	1:B:13:CYS:HB3	18	0.14
(1,3926)	1:B:9:GLU:HB3	1:B:13:CYS:HB3	18	0.14
(1,3914)	1:B:35:SER:HA	1:B:34:LEU:HG	1	0.14
(1,3914)	1:B:35:SER:HA	1:B:75:LEU:HB3	1	0.14
(1,3914)	1:B:35:SER:HA	1:B:34:LEU:HG	2	0.14
(1,3914)	1:B:35:SER:HA	1:B:75:LEU:HB3	2	0.14
(1,3913)	1:A:35:SER:HA	1:A:34:LEU:HG	1	0.14
(1,3913)	1:A:35:SER:HA	1:A:75:LEU:HB3	1	0.14
(1,3898)	1:B:10:THR:HA	1:B:11:GLU:HB2	11	0.14
(1,3898)	1:B:10:THR:HA	1:B:11:GLU:HB3	11	0.14
(1,3898)	1:B:10:THR:HA	1:B:12:ARG:HB2	11	0.14
(1,3898)	1:B:10:THR:HA	1:B:12:ARG:HB3	11	0.14
(1,3898)	1:B:10:THR:HA	1:B:14:ILE:HB	11	0.14
(1,3898)	1:B:10:THR:HA	1:B:11:GLU:HB2	16	0.14
(1,3898)	1:B:10:THR:HA	1:B:11:GLU:HB3	16	0.14
(1,3898)	1:B:10:THR:HA	1:B:12:ARG:HB2	16	0.14
(1,3898)	1:B:10:THR:HA	1:B:12:ARG:HB3	16	0.14
(1,3898)	1:B:10:THR:HA	1:B:14:ILE:HB	16	0.14
(1,3897)	1:A:10:THR:HA	1:A:11:GLU:HB2	11	0.14
(1,3897)	1:A:10:THR:HA	1:A:11:GLU:HB3	11	0.14
(1,3897)	1:A:10:THR:HA	1:A:12:ARG:HB2	11	0.14
(1,3897)	1:A:10:THR:HA	1:A:12:ARG:HB3	11	0.14
(1,3897)	1:A:10:THR:HA	1:A:14:ILE:HB	11	0.14
(1,3897)	1:A:10:THR:HA	1:A:11:GLU:HB2	16	0.14
(1,3897)	1:A:10:THR:HA	1:A:11:GLU:HB3	16	0.14
(1,3897)	1:A:10:THR:HA	1:A:12:ARG:HB2	16	0.14
(1,3897)	1:A:10:THR:HA	1:A:12:ARG:HB3	16	0.14
(1,3897)	1:A:10:THR:HA	1:A:14:ILE:HB	16	0.14
(1,3884)	1:B:89:MET:HG3	1:B:83:LEU:H	14	0.14
(1,3884)	1:B:89:MET:HG3	1:A:82:ASN:H	14	0.14
(1,3884)	1:B:63:MET:HG3	1:B:65:LYS:H	14	0.14
(1,3883)	1:A:89:MET:HG3	1:A:83:LEU:H	14	0.14
(1,3883)	1:A:89:MET:HG3	1:B:82:ASN:H	14	0.14
(1,3883)	1:A:63:MET:HG3	1:A:65:LYS:H	14	0.14
(1,382)	1:B:11:GLU:HG2	1:B:10:THR:H	14	0.14
(1,381)	1:A:11:GLU:HG2	1:A:10:THR:H	14	0.14
(1,3807)	1:A:37:THR:HB	1:A:36:LYS:H	10	0.14
(1,3807)	1:A:37:THR:HB	1:A:39:PHE:H	10	0.14
(1,3785)	1:A:63:MET:HG3	1:A:61:ASP:H	15	0.14
(1,3785)	1:A:89:MET:HG3	1:A:87:LEU:H	15	0.14
(1,3736)	1:B:37:THR:HB	1:B:35:SER:HA	6	0.14
(1,3736)	1:B:51:THR:HB	1:B:53:ASN:HA	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3736)	1:B:37:THR:HB	1:B:35:SER:HA	9	0.14
(1,3736)	1:B:51:THR:HB	1:B:53:ASN:HA	9	0.14
(1,3735)	1:A:37:THR:HB	1:A:35:SER:HA	6	0.14
(1,3735)	1:A:51:THR:HB	1:A:53:ASN:HA	6	0.14
(1,3696)	1:B:12:ARG:HD2	1:B:14:ILE:HG22	7	0.14
(1,3696)	1:B:12:ARG:HD2	1:B:14:ILE:HG21	7	0.14
(1,3696)	1:B:12:ARG:HD2	1:B:14:ILE:HG23	7	0.14
(1,3696)	1:B:12:ARG:HD3	1:B:14:ILE:HG22	7	0.14
(1,3696)	1:B:12:ARG:HD3	1:B:14:ILE:HG21	7	0.14
(1,3696)	1:B:12:ARG:HD3	1:B:14:ILE:HG23	7	0.14
(1,3696)	1:B:17:LEU:HD22	1:B:12:ARG:HD2	7	0.14
(1,3696)	1:B:17:LEU:HD22	1:B:12:ARG:HD3	7	0.14
(1,3696)	1:B:17:LEU:HD21	1:B:12:ARG:HD2	7	0.14
(1,3696)	1:B:17:LEU:HD21	1:B:12:ARG:HD3	7	0.14
(1,3696)	1:B:17:LEU:HD23	1:B:12:ARG:HD2	7	0.14
(1,3696)	1:B:17:LEU:HD23	1:B:12:ARG:HD3	7	0.14
(1,3696)	1:B:12:ARG:HD2	1:A:17:LEU:HD22	7	0.14
(1,3696)	1:B:12:ARG:HD2	1:A:17:LEU:HD21	7	0.14
(1,3696)	1:B:12:ARG:HD2	1:A:17:LEU:HD23	7	0.14
(1,3696)	1:B:12:ARG:HD3	1:A:17:LEU:HD22	7	0.14
(1,3696)	1:B:12:ARG:HD3	1:A:17:LEU:HD21	7	0.14
(1,3696)	1:B:12:ARG:HD3	1:A:17:LEU:HD23	7	0.14
(1,3696)	1:B:62:ARG:HD2	1:B:60:LEU:HD22	7	0.14
(1,3696)	1:B:62:ARG:HD2	1:B:60:LEU:HD21	7	0.14
(1,3696)	1:B:62:ARG:HD2	1:B:60:LEU:HD23	7	0.14
(1,3696)	1:B:12:ARG:HD2	1:B:14:ILE:HG22	13	0.14
(1,3696)	1:B:12:ARG:HD2	1:B:14:ILE:HG21	13	0.14
(1,3696)	1:B:12:ARG:HD2	1:B:14:ILE:HG23	13	0.14
(1,3696)	1:B:12:ARG:HD3	1:B:14:ILE:HG22	13	0.14
(1,3696)	1:B:12:ARG:HD3	1:B:14:ILE:HG21	13	0.14
(1,3696)	1:B:12:ARG:HD3	1:B:14:ILE:HG23	13	0.14
(1,3696)	1:B:17:LEU:HD22	1:B:12:ARG:HD2	13	0.14
(1,3696)	1:B:17:LEU:HD22	1:B:12:ARG:HD3	13	0.14
(1,3696)	1:B:17:LEU:HD21	1:B:12:ARG:HD2	13	0.14
(1,3696)	1:B:17:LEU:HD21	1:B:12:ARG:HD3	13	0.14
(1,3696)	1:B:17:LEU:HD23	1:B:12:ARG:HD2	13	0.14
(1,3696)	1:B:17:LEU:HD23	1:B:12:ARG:HD3	13	0.14
(1,3696)	1:B:12:ARG:HD2	1:A:17:LEU:HD22	13	0.14
(1,3696)	1:B:12:ARG:HD2	1:A:17:LEU:HD21	13	0.14
(1,3696)	1:B:12:ARG:HD2	1:A:17:LEU:HD23	13	0.14
(1,3696)	1:B:12:ARG:HD3	1:A:17:LEU:HD22	13	0.14
(1,3696)	1:B:12:ARG:HD3	1:A:17:LEU:HD21	13	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3696)	1:B:12:ARG:HD3	1:A:17:LEU:HD23	13	0.14
(1,3696)	1:B:62:ARG:HD2	1:B:60:LEU:HD22	13	0.14
(1,3696)	1:B:62:ARG:HD2	1:B:60:LEU:HD21	13	0.14
(1,3696)	1:B:62:ARG:HD2	1:B:60:LEU:HD23	13	0.14
(1,3696)	1:B:12:ARG:HD2	1:B:14:ILE:HG22	18	0.14
(1,3696)	1:B:12:ARG:HD2	1:B:14:ILE:HG21	18	0.14
(1,3696)	1:B:12:ARG:HD2	1:B:14:ILE:HG23	18	0.14
(1,3696)	1:B:12:ARG:HD3	1:B:14:ILE:HG22	18	0.14
(1,3696)	1:B:12:ARG:HD3	1:B:14:ILE:HG21	18	0.14
(1,3696)	1:B:12:ARG:HD3	1:B:14:ILE:HG23	18	0.14
(1,3696)	1:B:17:LEU:HD22	1:B:12:ARG:HD2	18	0.14
(1,3696)	1:B:17:LEU:HD22	1:B:12:ARG:HD3	18	0.14
(1,3696)	1:B:17:LEU:HD21	1:B:12:ARG:HD2	18	0.14
(1,3696)	1:B:17:LEU:HD21	1:B:12:ARG:HD3	18	0.14
(1,3696)	1:B:17:LEU:HD23	1:B:12:ARG:HD2	18	0.14
(1,3696)	1:B:17:LEU:HD23	1:B:12:ARG:HD3	18	0.14
(1,3696)	1:B:12:ARG:HD2	1:A:17:LEU:HD22	18	0.14
(1,3696)	1:B:12:ARG:HD2	1:A:17:LEU:HD21	18	0.14
(1,3696)	1:B:12:ARG:HD2	1:A:17:LEU:HD23	18	0.14
(1,3696)	1:B:12:ARG:HD3	1:A:17:LEU:HD22	18	0.14
(1,3696)	1:B:12:ARG:HD3	1:A:17:LEU:HD21	18	0.14
(1,3696)	1:B:12:ARG:HD3	1:A:17:LEU:HD23	18	0.14
(1,3696)	1:B:62:ARG:HD2	1:B:60:LEU:HD22	18	0.14
(1,3696)	1:B:62:ARG:HD2	1:B:60:LEU:HD21	18	0.14
(1,3696)	1:B:62:ARG:HD2	1:B:60:LEU:HD23	18	0.14
(1,3695)	1:A:12:ARG:HD2	1:A:14:ILE:HG22	18	0.14
(1,3695)	1:A:12:ARG:HD2	1:A:14:ILE:HG21	18	0.14
(1,3695)	1:A:12:ARG:HD2	1:A:14:ILE:HG23	18	0.14
(1,3695)	1:A:12:ARG:HD3	1:A:14:ILE:HG22	18	0.14
(1,3695)	1:A:12:ARG:HD3	1:A:14:ILE:HG21	18	0.14
(1,3695)	1:A:12:ARG:HD3	1:A:14:ILE:HG23	18	0.14
(1,3695)	1:A:17:LEU:HD22	1:A:12:ARG:HD2	18	0.14
(1,3695)	1:A:17:LEU:HD22	1:A:12:ARG:HD3	18	0.14
(1,3695)	1:A:17:LEU:HD21	1:A:12:ARG:HD2	18	0.14
(1,3695)	1:A:17:LEU:HD21	1:A:12:ARG:HD3	18	0.14
(1,3695)	1:A:17:LEU:HD23	1:A:12:ARG:HD2	18	0.14
(1,3695)	1:A:17:LEU:HD23	1:A:12:ARG:HD3	18	0.14
(1,3695)	1:A:12:ARG:HD2	1:B:17:LEU:HD22	18	0.14
(1,3695)	1:A:12:ARG:HD2	1:B:17:LEU:HD21	18	0.14
(1,3695)	1:A:12:ARG:HD2	1:B:17:LEU:HD23	18	0.14
(1,3695)	1:A:12:ARG:HD3	1:B:17:LEU:HD22	18	0.14
(1,3695)	1:A:12:ARG:HD3	1:B:17:LEU:HD21	18	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3695)	1:A:12:ARG:HD3	1:B:17:LEU:HD23	18	0.14
(1,3695)	1:A:62:ARG:HD2	1:A:60:LEU:HD22	18	0.14
(1,3695)	1:A:62:ARG:HD2	1:A:60:LEU:HD21	18	0.14
(1,3695)	1:A:62:ARG:HD2	1:A:60:LEU:HD23	18	0.14
(1,3678)	1:B:74:GLN:HG2	1:B:33:THR:HA	6	0.14
(1,3678)	1:B:74:GLN:HG3	1:B:33:THR:HA	6	0.14
(1,3678)	1:B:74:GLN:HG2	1:B:34:LEU:HA	6	0.14
(1,3678)	1:B:74:GLN:HG3	1:B:34:LEU:HA	6	0.14
(1,3677)	1:A:74:GLN:HG2	1:A:33:THR:HA	6	0.14
(1,3677)	1:A:74:GLN:HG3	1:A:33:THR:HA	6	0.14
(1,3677)	1:A:74:GLN:HG2	1:A:34:LEU:HA	6	0.14
(1,3677)	1:A:74:GLN:HG3	1:A:34:LEU:HA	6	0.14
(1,3677)	1:A:74:GLN:HG2	1:A:33:THR:HA	20	0.14
(1,3677)	1:A:74:GLN:HG3	1:A:33:THR:HA	20	0.14
(1,3677)	1:A:74:GLN:HG2	1:A:34:LEU:HA	20	0.14
(1,3677)	1:A:74:GLN:HG3	1:A:34:LEU:HA	20	0.14
(1,3662)	1:B:10:THR:HA	1:A:81:LEU:HD22	6	0.14
(1,3662)	1:B:10:THR:HA	1:A:81:LEU:HD21	6	0.14
(1,3662)	1:B:10:THR:HA	1:A:81:LEU:HD23	6	0.14
(1,3662)	1:B:10:THR:HA	1:A:87:LEU:HD22	6	0.14
(1,3662)	1:B:10:THR:HA	1:A:87:LEU:HD21	6	0.14
(1,3662)	1:B:10:THR:HA	1:A:87:LEU:HD23	6	0.14
(1,3661)	1:A:10:THR:HA	1:B:81:LEU:HD22	6	0.14
(1,3661)	1:A:10:THR:HA	1:B:81:LEU:HD21	6	0.14
(1,3661)	1:A:10:THR:HA	1:B:81:LEU:HD23	6	0.14
(1,3661)	1:A:10:THR:HA	1:B:87:LEU:HD22	6	0.14
(1,3661)	1:A:10:THR:HA	1:B:87:LEU:HD21	6	0.14
(1,3661)	1:A:10:THR:HA	1:B:87:LEU:HD23	6	0.14
(1,3625)	1:A:34:LEU:HA	1:A:24:TYR:HB2	11	0.14
(1,3625)	1:A:34:LEU:HA	1:A:27:LYS:HE2	11	0.14
(1,3625)	1:A:34:LEU:HA	1:A:27:LYS:HE3	11	0.14
(1,3578)	1:B:37:THR:HB	1:B:28:ASP:HB3	11	0.14
(1,3578)	1:B:51:THR:HB	1:B:44:ASN:HB3	11	0.14
(1,3578)	1:B:51:THR:HB	1:B:53:ASN:HB3	11	0.14
(1,3578)	1:B:37:THR:HB	1:B:28:ASP:HB3	15	0.14
(1,3578)	1:B:51:THR:HB	1:B:44:ASN:HB3	15	0.14
(1,3578)	1:B:51:THR:HB	1:B:53:ASN:HB3	15	0.14
(1,3577)	1:A:37:THR:HB	1:A:28:ASP:HB3	6	0.14
(1,3577)	1:A:51:THR:HB	1:A:44:ASN:HB3	6	0.14
(1,3577)	1:A:51:THR:HB	1:A:53:ASN:HB3	6	0.14
(1,3577)	1:A:37:THR:HB	1:A:28:ASP:HB3	11	0.14
(1,3577)	1:A:51:THR:HB	1:A:44:ASN:HB3	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3577)	1:A:51:THR:HB	1:A:53:ASN:HB3	11	0.14
(1,3577)	1:A:37:THR:HB	1:A:28:ASP:HB3	15	0.14
(1,3577)	1:A:51:THR:HB	1:A:44:ASN:HB3	15	0.14
(1,3577)	1:A:51:THR:HB	1:A:53:ASN:HB3	15	0.14
(1,356)	1:B:60:LEU:HB2	1:B:61:ASP:HB3	8	0.14
(1,355)	1:A:60:LEU:HB2	1:A:61:ASP:HB3	8	0.14
(1,3500)	1:B:29:GLY:HA2	1:B:28:ASP:HB2	20	0.14
(1,3500)	1:B:73:GLY:HA2	1:B:72:ASP:HB2	20	0.14
(1,3499)	1:A:29:GLY:HA2	1:A:28:ASP:HB2	20	0.14
(1,3499)	1:A:73:GLY:HA2	1:A:72:ASP:HB2	20	0.14
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD22	18	0.14
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD21	18	0.14
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD23	18	0.14
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD22	18	0.14
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD21	18	0.14
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD23	18	0.14
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD22	2	0.14
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD21	2	0.14
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD23	2	0.14
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD22	2	0.14
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD21	2	0.14
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD23	2	0.14
(1,3474)	1:B:11:GLU:H	1:B:17:LEU:HG	5	0.14
(1,3474)	1:B:17:LEU:HG	1:B:21:PHE:H	5	0.14
(1,3474)	1:B:17:LEU:HG	1:A:11:GLU:H	5	0.14
(1,3474)	1:B:11:GLU:H	1:B:17:LEU:HG	20	0.14
(1,3474)	1:B:17:LEU:HG	1:B:21:PHE:H	20	0.14
(1,3474)	1:B:17:LEU:HG	1:A:11:GLU:H	20	0.14
(1,3473)	1:A:11:GLU:H	1:A:17:LEU:HG	5	0.14
(1,3473)	1:A:17:LEU:HG	1:A:21:PHE:H	5	0.14
(1,3473)	1:A:17:LEU:HG	1:B:11:GLU:H	5	0.14
(1,3473)	1:A:11:GLU:H	1:A:17:LEU:HG	20	0.14
(1,3473)	1:A:17:LEU:HG	1:A:21:PHE:H	20	0.14
(1,3473)	1:A:17:LEU:HG	1:B:11:GLU:H	20	0.14
(1,3468)	1:B:75:LEU:HB3	1:B:33:THR:HA	1	0.14
(1,3468)	1:B:75:LEU:HB3	1:B:34:LEU:HA	1	0.14
(1,3467)	1:A:75:LEU:HB3	1:A:33:THR:HA	1	0.14
(1,3467)	1:A:75:LEU:HB3	1:A:34:LEU:HA	1	0.14
(1,3462)	1:B:84:ILE:HB	1:B:80:PHE:HB3	7	0.14
(1,3462)	1:B:84:ILE:HB	1:B:82:ASN:HB2	7	0.14
(1,3462)	1:B:84:ILE:HB	1:A:13:CYS:HB3	7	0.14
(1,3458)	1:B:11:GLU:HA	1:B:12:ARG:HD2	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3458)	1:B:11:GLU:HA	1:B:12:ARG:HD3	11	0.14
(1,3458)	1:B:11:GLU:HA	1:A:50:PHE:HB2	11	0.14
(1,3458)	1:B:11:GLU:HA	1:A:50:PHE:HB3	11	0.14
(1,3458)	1:B:11:GLU:HA	1:B:12:ARG:HD2	13	0.14
(1,3458)	1:B:11:GLU:HA	1:B:12:ARG:HD3	13	0.14
(1,3458)	1:B:11:GLU:HA	1:A:50:PHE:HB2	13	0.14
(1,3458)	1:B:11:GLU:HA	1:A:50:PHE:HB3	13	0.14
(1,3457)	1:A:11:GLU:HA	1:A:12:ARG:HD2	2	0.14
(1,3457)	1:A:11:GLU:HA	1:A:12:ARG:HD3	2	0.14
(1,3457)	1:A:11:GLU:HA	1:B:50:PHE:HB2	2	0.14
(1,3457)	1:A:11:GLU:HA	1:B:50:PHE:HB3	2	0.14
(1,3457)	1:A:11:GLU:HA	1:A:12:ARG:HD2	11	0.14
(1,3457)	1:A:11:GLU:HA	1:A:12:ARG:HD3	11	0.14
(1,3457)	1:A:11:GLU:HA	1:B:50:PHE:HB2	11	0.14
(1,3457)	1:A:11:GLU:HA	1:B:50:PHE:HB3	11	0.14
(1,3424)	1:B:60:LEU:HB2	1:B:37:THR:HA	11	0.14
(1,3424)	1:B:60:LEU:HB2	1:B:52:LYS:HA	11	0.14
(1,3424)	1:B:60:LEU:HB2	1:B:62:ARG:HA	11	0.14
(1,3424)	1:B:60:LEU:HB2	1:B:63:MET:HA	11	0.14
(1,3423)	1:A:60:LEU:HB2	1:A:37:THR:HA	11	0.14
(1,3423)	1:A:60:LEU:HB2	1:A:52:LYS:HA	11	0.14
(1,3423)	1:A:60:LEU:HB2	1:A:62:ARG:HA	11	0.14
(1,3423)	1:A:60:LEU:HB2	1:A:63:MET:HA	11	0.14
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD22	7	0.14
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD21	7	0.14
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD23	7	0.14
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD22	15	0.14
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD21	15	0.14
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD23	15	0.14
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD22	3	0.14
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD21	3	0.14
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD23	3	0.14
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD22	7	0.14
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD21	7	0.14
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD23	7	0.14
(1,3386)	1:B:17:LEU:HD22	1:A:11:GLU:HG2	15	0.14
(1,3386)	1:B:17:LEU:HD21	1:A:11:GLU:HG2	15	0.14
(1,3386)	1:B:17:LEU:HD23	1:A:11:GLU:HG2	15	0.14
(1,3386)	1:B:17:LEU:HD22	1:A:15:GLU:HG2	15	0.14
(1,3386)	1:B:17:LEU:HD21	1:A:15:GLU:HG2	15	0.14
(1,3386)	1:B:17:LEU:HD23	1:A:15:GLU:HG2	15	0.14
(1,3386)	1:B:17:LEU:HD22	1:A:89:MET:HG3	15	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3386)	1:B:17:LEU:HD21	1:A:89:MET:HG3	15	0.14
(1,3386)	1:B:17:LEU:HD23	1:A:89:MET:HG3	15	0.14
(1,3386)	1:B:83:LEU:HD22	1:A:11:GLU:HG2	15	0.14
(1,3386)	1:B:83:LEU:HD21	1:A:11:GLU:HG2	15	0.14
(1,3386)	1:B:83:LEU:HD23	1:A:11:GLU:HG2	15	0.14
(1,3385)	1:A:17:LEU:HD22	1:B:11:GLU:HG2	15	0.14
(1,3385)	1:A:17:LEU:HD21	1:B:11:GLU:HG2	15	0.14
(1,3385)	1:A:17:LEU:HD23	1:B:11:GLU:HG2	15	0.14
(1,3385)	1:A:17:LEU:HD22	1:B:15:GLU:HG2	15	0.14
(1,3385)	1:A:17:LEU:HD21	1:B:15:GLU:HG2	15	0.14
(1,3385)	1:A:17:LEU:HD23	1:B:15:GLU:HG2	15	0.14
(1,3385)	1:A:17:LEU:HD22	1:B:89:MET:HG3	15	0.14
(1,3385)	1:A:17:LEU:HD21	1:B:89:MET:HG3	15	0.14
(1,3385)	1:A:17:LEU:HD23	1:B:89:MET:HG3	15	0.14
(1,3385)	1:A:83:LEU:HD22	1:B:11:GLU:HG2	15	0.14
(1,3385)	1:A:83:LEU:HD21	1:B:11:GLU:HG2	15	0.14
(1,3385)	1:A:83:LEU:HD23	1:B:11:GLU:HG2	15	0.14
(1,3169)	1:A:23:LYS:H	1:A:23:LYS:HD2	1	0.14
(1,3169)	1:A:23:LYS:H	1:A:23:LYS:HD3	1	0.14
(1,3166)	1:B:82:ASN:H	1:B:82:ASN:HB3	6	0.14
(1,3166)	1:B:82:ASN:H	1:B:82:ASN:HB3	13	0.14
(1,3166)	1:B:82:ASN:H	1:B:82:ASN:HB3	14	0.14
(1,3166)	1:B:82:ASN:H	1:B:82:ASN:HB3	15	0.14
(1,3165)	1:A:82:ASN:H	1:A:82:ASN:HB3	6	0.14
(1,3165)	1:A:82:ASN:H	1:A:82:ASN:HB3	13	0.14
(1,3165)	1:A:82:ASN:H	1:A:82:ASN:HB3	14	0.14
(1,3165)	1:A:82:ASN:H	1:A:82:ASN:HB3	15	0.14
(1,3138)	1:B:76:ASP:H	1:B:75:LEU:HD22	12	0.14
(1,3138)	1:B:76:ASP:H	1:B:75:LEU:HD21	12	0.14
(1,3138)	1:B:76:ASP:H	1:B:75:LEU:HD23	12	0.14
(1,3138)	1:B:76:ASP:H	1:B:75:LEU:HD22	15	0.14
(1,3138)	1:B:76:ASP:H	1:B:75:LEU:HD21	15	0.14
(1,3138)	1:B:76:ASP:H	1:B:75:LEU:HD23	15	0.14
(1,3138)	1:B:76:ASP:H	1:B:75:LEU:HD22	18	0.14
(1,3138)	1:B:76:ASP:H	1:B:75:LEU:HD21	18	0.14
(1,3138)	1:B:76:ASP:H	1:B:75:LEU:HD23	18	0.14
(1,3137)	1:A:76:ASP:H	1:A:75:LEU:HD22	12	0.14
(1,3137)	1:A:76:ASP:H	1:A:75:LEU:HD21	12	0.14
(1,3137)	1:A:76:ASP:H	1:A:75:LEU:HD23	12	0.14
(1,3137)	1:A:76:ASP:H	1:A:75:LEU:HD22	15	0.14
(1,3137)	1:A:76:ASP:H	1:A:75:LEU:HD21	15	0.14
(1,3137)	1:A:76:ASP:H	1:A:75:LEU:HD23	15	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3137)	1:A:76:ASP:H	1:A:75:LEU:HD22	18	0.14
(1,3137)	1:A:76:ASP:H	1:A:75:LEU:HD21	18	0.14
(1,3137)	1:A:76:ASP:H	1:A:75:LEU:HD23	18	0.14
(1,3102)	1:B:9:GLU:H	1:B:8:THR:HG21	20	0.14
(1,3102)	1:B:9:GLU:H	1:B:8:THR:HG22	20	0.14
(1,3102)	1:B:9:GLU:H	1:B:8:THR:HG23	20	0.14
(1,3101)	1:A:9:GLU:H	1:A:8:THR:HG21	20	0.14
(1,3101)	1:A:9:GLU:H	1:A:8:THR:HG22	20	0.14
(1,3101)	1:A:9:GLU:H	1:A:8:THR:HG23	20	0.14
(1,3092)	1:B:75:LEU:H	1:B:75:LEU:HB3	16	0.14
(1,3091)	1:A:75:LEU:H	1:A:75:LEU:HB3	16	0.14
(1,3055)	1:A:94:SER:H	1:A:93:ASP:HB2	13	0.14
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD22	12	0.14
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD21	12	0.14
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD23	12	0.14
(1,2635)	1:A:43:MET:H	1:A:34:LEU:HD22	12	0.14
(1,2635)	1:A:43:MET:H	1:A:34:LEU:HD21	12	0.14
(1,2635)	1:A:43:MET:H	1:A:34:LEU:HD23	12	0.14
(1,2592)	1:B:26:GLY:H	1:B:24:TYR:HB3	8	0.14
(1,2554)	1:B:38:GLU:H	1:B:40:LEU:HD22	6	0.14
(1,2554)	1:B:38:GLU:H	1:B:40:LEU:HD21	6	0.14
(1,2554)	1:B:38:GLU:H	1:B:40:LEU:HD23	6	0.14
(1,2553)	1:A:38:GLU:H	1:A:40:LEU:HD22	6	0.14
(1,2553)	1:A:38:GLU:H	1:A:40:LEU:HD21	6	0.14
(1,2553)	1:A:38:GLU:H	1:A:40:LEU:HD23	6	0.14
(1,2506)	1:B:37:THR:H	1:B:34:LEU:HD22	10	0.14
(1,2506)	1:B:37:THR:H	1:B:34:LEU:HD21	10	0.14
(1,2506)	1:B:37:THR:H	1:B:34:LEU:HD23	10	0.14
(1,2506)	1:B:37:THR:H	1:B:34:LEU:HD22	15	0.14
(1,2506)	1:B:37:THR:H	1:B:34:LEU:HD21	15	0.14
(1,2506)	1:B:37:THR:H	1:B:34:LEU:HD23	15	0.14
(1,2505)	1:A:37:THR:H	1:A:34:LEU:HD22	15	0.14
(1,2505)	1:A:37:THR:H	1:A:34:LEU:HD21	15	0.14
(1,2505)	1:A:37:THR:H	1:A:34:LEU:HD23	15	0.14
(1,2490)	1:B:38:GLU:H	1:B:34:LEU:HA	18	0.14
(1,2280)	1:B:12:ARG:HB2	1:B:12:ARG:HD2	3	0.14
(1,2280)	1:B:12:ARG:HB2	1:B:12:ARG:HD3	3	0.14
(1,2280)	1:B:12:ARG:HB3	1:B:12:ARG:HD2	3	0.14
(1,2280)	1:B:12:ARG:HB3	1:B:12:ARG:HD3	3	0.14
(1,2280)	1:B:12:ARG:HB2	1:B:12:ARG:HD2	14	0.14
(1,2280)	1:B:12:ARG:HB2	1:B:12:ARG:HD3	14	0.14
(1,2280)	1:B:12:ARG:HB3	1:B:12:ARG:HD2	14	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2280)	1:B:12:ARG:HB3	1:B:12:ARG:HD3	14	0.14
(1,2279)	1:A:12:ARG:HB2	1:A:12:ARG:HD2	3	0.14
(1,2279)	1:A:12:ARG:HB2	1:A:12:ARG:HD3	3	0.14
(1,2279)	1:A:12:ARG:HB3	1:A:12:ARG:HD2	3	0.14
(1,2279)	1:A:12:ARG:HB3	1:A:12:ARG:HD3	3	0.14
(1,2279)	1:A:12:ARG:HB2	1:A:12:ARG:HD2	6	0.14
(1,2279)	1:A:12:ARG:HB2	1:A:12:ARG:HD3	6	0.14
(1,2279)	1:A:12:ARG:HB3	1:A:12:ARG:HD2	6	0.14
(1,2279)	1:A:12:ARG:HB3	1:A:12:ARG:HD3	6	0.14
(1,2279)	1:A:12:ARG:HB2	1:A:12:ARG:HD2	14	0.14
(1,2279)	1:A:12:ARG:HB2	1:A:12:ARG:HD3	14	0.14
(1,2279)	1:A:12:ARG:HB3	1:A:12:ARG:HD2	14	0.14
(1,2279)	1:A:12:ARG:HB3	1:A:12:ARG:HD3	14	0.14
(1,2139)	1:A:27:LYS:HD2	1:A:27:LYS:HB3	2	0.14
(1,2139)	1:A:27:LYS:HD3	1:A:27:LYS:HB3	2	0.14
(1,202)	1:B:33:THR:HA	1:B:75:LEU:HA	4	0.14
(1,201)	1:A:33:THR:HA	1:A:75:LEU:HA	4	0.14
(1,192)	1:B:67:LEU:HB2	1:B:63:MET:HB2	7	0.14
(1,191)	1:A:67:LEU:HB2	1:A:63:MET:HB2	7	0.14
(1,1848)	1:B:59:VAL:HG22	1:B:60:LEU:HA	19	0.14
(1,1848)	1:B:59:VAL:HG21	1:B:60:LEU:HA	19	0.14
(1,1848)	1:B:59:VAL:HG23	1:B:60:LEU:HA	19	0.14
(1,1847)	1:A:59:VAL:HG22	1:A:60:LEU:HA	19	0.14
(1,1847)	1:A:59:VAL:HG21	1:A:60:LEU:HA	19	0.14
(1,1847)	1:A:59:VAL:HG23	1:A:60:LEU:HA	19	0.14
(1,168)	1:B:76:ASP:HB2	1:B:75:LEU:HA	19	0.14
(1,162)	1:B:76:ASP:HB2	1:B:33:THR:HB	19	0.14
(1,161)	1:A:76:ASP:HB2	1:A:33:THR:HB	19	0.14
(1,1607)	1:A:47:LEU:HB2	1:A:50:PHE:HB2	11	0.14
(1,1607)	1:A:47:LEU:HB2	1:A:50:PHE:HB3	11	0.14
(1,1528)	1:B:65:LYS:H	1:B:64:MET:HG2	9	0.14
(1,1528)	1:B:65:LYS:H	1:B:64:MET:HG3	9	0.14
(1,1528)	1:B:65:LYS:H	1:B:64:MET:HG2	11	0.14
(1,1528)	1:B:65:LYS:H	1:B:64:MET:HG3	11	0.14
(1,1527)	1:A:65:LYS:H	1:A:64:MET:HG2	9	0.14
(1,1527)	1:A:65:LYS:H	1:A:64:MET:HG3	9	0.14
(1,1527)	1:A:65:LYS:H	1:A:64:MET:HG2	11	0.14
(1,1527)	1:A:65:LYS:H	1:A:64:MET:HG3	11	0.14
(1,1222)	1:B:89:MET:HG2	1:B:88:ALA:HB2	8	0.14
(1,1222)	1:B:89:MET:HG2	1:B:88:ALA:HB1	8	0.14
(1,1222)	1:B:89:MET:HG2	1:B:88:ALA:HB3	8	0.14
(1,1030)	1:B:38:GLU:HB3	1:B:24:TYR:HB2	15	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1029)	1:A:38:GLU:HB3	1:A:24:TYR:HB2	15	0.14
(1,1016)	1:B:9:GLU:HG2	1:B:13:CYS:HB3	4	0.14
(1,1016)	1:B:9:GLU:HG3	1:B:13:CYS:HB3	4	0.14
(1,1016)	1:B:9:GLU:HG2	1:B:13:CYS:HB3	12	0.14
(1,1016)	1:B:9:GLU:HG3	1:B:13:CYS:HB3	12	0.14
(1,1015)	1:A:9:GLU:HG2	1:A:13:CYS:HB3	4	0.14
(1,1015)	1:A:9:GLU:HG3	1:A:13:CYS:HB3	4	0.14
(1,1015)	1:A:9:GLU:HG2	1:A:13:CYS:HB3	12	0.14
(1,1015)	1:A:9:GLU:HG3	1:A:13:CYS:HB3	12	0.14
(1,1015)	1:A:9:GLU:HG2	1:A:13:CYS:HB3	18	0.14
(1,1015)	1:A:9:GLU:HG3	1:A:13:CYS:HB3	18	0.14
(3,49)	1:A:92:HIS:N	1:A:88:ALA:O	7	0.13
(3,49)	1:A:92:HIS:N	1:A:88:ALA:O	15	0.13
(3,49)	1:A:92:HIS:N	1:A:88:ALA:O	19	0.13
(3,107)	1:B:92:HIS:N	1:B:88:ALA:O	7	0.13
(2,92)	1:B:44:ASN:HB3	1:B:47:LEU:H	3	0.13
(2,80)	1:B:100:PRO:HA	1:B:102:GLN:HA	7	0.13
(2,79)	1:A:100:PRO:HA	1:A:102:GLN:HA	7	0.13
(2,78)	1:B:61:ASP:HA	1:B:59:VAL:HA	10	0.13
(2,77)	1:A:61:ASP:HA	1:A:59:VAL:HA	10	0.13
(2,58)	1:B:8:THR:HB	1:A:45:THR:HB	1	0.13
(2,58)	1:B:8:THR:HB	1:A:45:THR:HB	8	0.13
(2,58)	1:B:8:THR:HB	1:A:45:THR:HB	14	0.13
(2,57)	1:A:8:THR:HB	1:B:45:THR:HB	8	0.13
(2,57)	1:A:8:THR:HB	1:B:45:THR:HB	14	0.13
(2,32)	1:B:38:GLU:HA	1:B:34:LEU:HA	4	0.13
(2,31)	1:A:38:GLU:HA	1:A:34:LEU:HA	4	0.13
(2,28)	1:B:16:SER:HA	1:B:21:PHE:H	13	0.13
(2,27)	1:A:16:SER:HA	1:A:21:PHE:H	13	0.13
(2,179)	1:A:13:CYS:H	1:A:11:GLU:HG2	5	0.13
(2,160)	1:B:99:VAL:H	1:B:101:SER:H	7	0.13
(2,159)	1:A:99:VAL:H	1:A:101:SER:H	7	0.13
(2,122)	1:B:76:ASP:HB3	1:B:68:ASP:HA	14	0.13
(2,121)	1:A:76:ASP:HB3	1:A:68:ASP:HA	14	0.13
(1,988)	1:B:87:LEU:HB2	1:B:86:GLY:H	4	0.13
(1,988)	1:B:87:LEU:HB2	1:B:86:GLY:H	6	0.13
(1,988)	1:B:87:LEU:HB2	1:B:86:GLY:H	12	0.13
(1,988)	1:B:87:LEU:HB2	1:B:86:GLY:H	13	0.13
(1,987)	1:A:87:LEU:HB2	1:A:86:GLY:H	4	0.13
(1,987)	1:A:87:LEU:HB2	1:A:86:GLY:H	6	0.13
(1,987)	1:A:87:LEU:HB2	1:A:86:GLY:H	10	0.13
(1,987)	1:A:87:LEU:HB2	1:A:86:GLY:H	13	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,940)	1:B:35:SER:HA	1:B:34:LEU:HA	20	0.13
(1,939)	1:A:35:SER:HA	1:A:34:LEU:HA	20	0.13
(1,934)	1:B:97:LYS:HA	1:B:97:LYS:HE2	5	0.13
(1,934)	1:B:97:LYS:HA	1:B:97:LYS:HE3	5	0.13
(1,933)	1:A:97:LYS:HA	1:A:97:LYS:HE2	5	0.13
(1,933)	1:A:97:LYS:HA	1:A:97:LYS:HE3	5	0.13
(1,90)	1:B:15:GLU:HB2	1:A:9:GLU:HG2	3	0.13
(1,90)	1:B:15:GLU:HB2	1:A:9:GLU:HG3	3	0.13
(1,90)	1:B:15:GLU:HB3	1:A:9:GLU:HG2	3	0.13
(1,90)	1:B:15:GLU:HB3	1:A:9:GLU:HG3	3	0.13
(1,88)	1:B:15:GLU:HB2	1:A:9:GLU:HG2	3	0.13
(1,88)	1:B:15:GLU:HB2	1:A:9:GLU:HG3	3	0.13
(1,88)	1:B:15:GLU:HB3	1:A:9:GLU:HG2	3	0.13
(1,88)	1:B:15:GLU:HB3	1:A:9:GLU:HG3	3	0.13
(1,674)	1:B:13:CYS:HB2	1:B:14:ILE:HG12	1	0.13
(1,674)	1:B:13:CYS:HB2	1:B:14:ILE:HG13	1	0.13
(1,674)	1:B:13:CYS:HB2	1:B:14:ILE:HG12	4	0.13
(1,674)	1:B:13:CYS:HB2	1:B:14:ILE:HG13	4	0.13
(1,673)	1:A:13:CYS:HB2	1:A:14:ILE:HG12	1	0.13
(1,673)	1:A:13:CYS:HB2	1:A:14:ILE:HG13	1	0.13
(1,673)	1:A:13:CYS:HB2	1:A:14:ILE:HG12	4	0.13
(1,673)	1:A:13:CYS:HB2	1:A:14:ILE:HG13	4	0.13
(1,628)	1:B:89:MET:HG2	1:A:81:LEU:HG	14	0.13
(1,628)	1:B:89:MET:HG2	1:A:81:LEU:HG	16	0.13
(1,627)	1:A:89:MET:HG2	1:B:81:LEU:HG	16	0.13
(1,623)	1:A:34:LEU:HB2	1:A:38:GLU:HB2	10	0.13
(1,622)	1:B:63:MET:H	1:B:62:ARG:HG2	16	0.13
(1,621)	1:A:63:MET:H	1:A:62:ARG:HG2	16	0.13
(1,609)	1:A:63:MET:H	1:A:62:ARG:HG2	11	0.13
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD22	1	0.13
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD21	1	0.13
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD23	1	0.13
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD12	1	0.13
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD11	1	0.13
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD13	1	0.13
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD22	14	0.13
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD21	14	0.13
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD23	14	0.13
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD12	14	0.13
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD11	14	0.13
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD13	14	0.13
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD22	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD21	1	0.13
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD23	1	0.13
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD12	1	0.13
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD11	1	0.13
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD13	1	0.13
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD22	14	0.13
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD21	14	0.13
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD23	14	0.13
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD12	14	0.13
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD11	14	0.13
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD13	14	0.13
(1,5622)	1:B:47:LEU:H	1:B:45:THR:HG21	6	0.13
(1,5622)	1:B:47:LEU:H	1:B:45:THR:HG22	6	0.13
(1,5622)	1:B:47:LEU:H	1:B:45:THR:HG23	6	0.13
(1,5622)	1:B:47:LEU:H	1:B:48:ALA:HB2	6	0.13
(1,5622)	1:B:47:LEU:H	1:B:48:ALA:HB1	6	0.13
(1,5622)	1:B:47:LEU:H	1:B:48:ALA:HB3	6	0.13
(1,5621)	1:A:47:LEU:H	1:A:45:THR:HG21	6	0.13
(1,5621)	1:A:47:LEU:H	1:A:45:THR:HG22	6	0.13
(1,5621)	1:A:47:LEU:H	1:A:45:THR:HG23	6	0.13
(1,5621)	1:A:47:LEU:H	1:A:48:ALA:HB2	6	0.13
(1,5621)	1:A:47:LEU:H	1:A:48:ALA:HB1	6	0.13
(1,5621)	1:A:47:LEU:H	1:A:48:ALA:HB3	6	0.13
(1,562)	1:B:76:ASP:HB3	1:B:75:LEU:HA	4	0.13
(1,561)	1:A:76:ASP:HB3	1:A:75:LEU:HA	4	0.13
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG22	2	0.13
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG21	2	0.13
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG23	2	0.13
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG12	2	0.13
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG11	2	0.13
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG13	2	0.13
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG22	15	0.13
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG21	15	0.13
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG23	15	0.13
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG12	15	0.13
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG11	15	0.13
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG13	15	0.13
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG22	2	0.13
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG21	2	0.13
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG23	2	0.13
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG12	2	0.13
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG11	2	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG13	2	0.13
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG22	10	0.13
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG21	10	0.13
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG23	10	0.13
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG12	10	0.13
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG11	10	0.13
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG13	10	0.13
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG22	15	0.13
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG21	15	0.13
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG23	15	0.13
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG12	15	0.13
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG11	15	0.13
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG13	15	0.13
(1,5530)	1:B:36:LYS:H	1:B:40:LEU:HD22	2	0.13
(1,5530)	1:B:36:LYS:H	1:B:40:LEU:HD21	2	0.13
(1,5530)	1:B:36:LYS:H	1:B:40:LEU:HD23	2	0.13
(1,5530)	1:B:39:PHE:H	1:B:40:LEU:HD22	2	0.13
(1,5530)	1:B:39:PHE:H	1:B:40:LEU:HD21	2	0.13
(1,5530)	1:B:39:PHE:H	1:B:40:LEU:HD23	2	0.13
(1,5529)	1:A:36:LYS:H	1:A:40:LEU:HD22	2	0.13
(1,5529)	1:A:36:LYS:H	1:A:40:LEU:HD21	2	0.13
(1,5529)	1:A:36:LYS:H	1:A:40:LEU:HD23	2	0.13
(1,5529)	1:A:39:PHE:H	1:A:40:LEU:HD22	2	0.13
(1,5529)	1:A:39:PHE:H	1:A:40:LEU:HD21	2	0.13
(1,5529)	1:A:39:PHE:H	1:A:40:LEU:HD23	2	0.13
(1,5479)	1:A:86:GLY:H	1:A:67:LEU:HD22	7	0.13
(1,5479)	1:A:86:GLY:H	1:A:67:LEU:HD21	7	0.13
(1,5479)	1:A:86:GLY:H	1:A:67:LEU:HD23	7	0.13
(1,5479)	1:A:86:GLY:H	1:A:67:LEU:HD12	7	0.13
(1,5479)	1:A:86:GLY:H	1:A:67:LEU:HD11	7	0.13
(1,5479)	1:A:86:GLY:H	1:A:67:LEU:HD13	7	0.13
(1,5479)	1:A:86:GLY:H	1:A:83:LEU:HD22	7	0.13
(1,5479)	1:A:86:GLY:H	1:A:83:LEU:HD21	7	0.13
(1,5479)	1:A:86:GLY:H	1:A:83:LEU:HD23	7	0.13
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG22	1	0.13
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG21	1	0.13
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG23	1	0.13
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD12	1	0.13
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD11	1	0.13
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD13	1	0.13
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD22	1	0.13
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD21	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD23	1	0.13
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG22	4	0.13
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG21	4	0.13
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG23	4	0.13
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD12	4	0.13
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD11	4	0.13
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD13	4	0.13
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD22	4	0.13
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD21	4	0.13
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD23	4	0.13
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG22	20	0.13
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG21	20	0.13
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HG23	20	0.13
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD12	20	0.13
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD11	20	0.13
(1,5404)	1:B:12:ARG:H	1:B:14:ILE:HD13	20	0.13
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD22	20	0.13
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD21	20	0.13
(1,5404)	1:B:12:ARG:H	1:A:47:LEU:HD23	20	0.13
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG22	1	0.13
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG21	1	0.13
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG23	1	0.13
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD12	1	0.13
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD11	1	0.13
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD13	1	0.13
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD22	1	0.13
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD21	1	0.13
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD23	1	0.13
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG22	4	0.13
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG21	4	0.13
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG23	4	0.13
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD12	4	0.13
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD11	4	0.13
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD13	4	0.13
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD22	4	0.13
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD21	4	0.13
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD23	4	0.13
(1,540)	1:B:16:SER:HA	1:B:15:GLU:H	6	0.13
(1,54)	1:B:83:LEU:HD22	1:A:14:ILE:HG12	11	0.13
(1,54)	1:B:83:LEU:HD22	1:A:14:ILE:HG13	11	0.13
(1,54)	1:B:83:LEU:HD21	1:A:14:ILE:HG12	11	0.13
(1,54)	1:B:83:LEU:HD21	1:A:14:ILE:HG13	11	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,54)	1:B:83:LEU:HD23	1:A:14:ILE:HG12	11	0.13
(1,54)	1:B:83:LEU:HD23	1:A:14:ILE:HG13	11	0.13
(1,54)	1:B:83:LEU:HD22	1:A:14:ILE:HG12	15	0.13
(1,54)	1:B:83:LEU:HD22	1:A:14:ILE:HG13	15	0.13
(1,54)	1:B:83:LEU:HD21	1:A:14:ILE:HG12	15	0.13
(1,54)	1:B:83:LEU:HD21	1:A:14:ILE:HG13	15	0.13
(1,54)	1:B:83:LEU:HD23	1:A:14:ILE:HG12	15	0.13
(1,54)	1:B:83:LEU:HD23	1:A:14:ILE:HG13	15	0.13
(1,539)	1:A:16:SER:HA	1:A:15:GLU:H	6	0.13
(1,5328)	1:B:99:VAL:H	1:B:96:LEU:HD22	18	0.13
(1,5328)	1:B:99:VAL:H	1:B:96:LEU:HD21	18	0.13
(1,5328)	1:B:99:VAL:H	1:B:96:LEU:HD23	18	0.13
(1,5328)	1:B:99:VAL:H	1:B:96:LEU:HD12	18	0.13
(1,5328)	1:B:99:VAL:H	1:B:96:LEU:HD11	18	0.13
(1,5328)	1:B:99:VAL:H	1:B:96:LEU:HD13	18	0.13
(1,53)	1:A:83:LEU:HD22	1:B:14:ILE:HG12	11	0.13
(1,53)	1:A:83:LEU:HD22	1:B:14:ILE:HG13	11	0.13
(1,53)	1:A:83:LEU:HD21	1:B:14:ILE:HG12	11	0.13
(1,53)	1:A:83:LEU:HD21	1:B:14:ILE:HG13	11	0.13
(1,53)	1:A:83:LEU:HD23	1:B:14:ILE:HG12	11	0.13
(1,53)	1:A:83:LEU:HD23	1:B:14:ILE:HG13	11	0.13
(1,53)	1:A:83:LEU:HD22	1:B:14:ILE:HG12	15	0.13
(1,53)	1:A:83:LEU:HD22	1:B:14:ILE:HG13	15	0.13
(1,53)	1:A:83:LEU:HD21	1:B:14:ILE:HG12	15	0.13
(1,53)	1:A:83:LEU:HD21	1:B:14:ILE:HG13	15	0.13
(1,53)	1:A:83:LEU:HD23	1:B:14:ILE:HG12	15	0.13
(1,53)	1:A:83:LEU:HD23	1:B:14:ILE:HG13	15	0.13
(1,5202)	1:B:40:LEU:H	1:B:63:MET:HB2	5	0.13
(1,5202)	1:B:40:LEU:H	1:B:64:MET:HG2	5	0.13
(1,5202)	1:B:40:LEU:H	1:B:64:MET:HG3	5	0.13
(1,5202)	1:B:40:LEU:H	1:B:63:MET:HB2	15	0.13
(1,5202)	1:B:40:LEU:H	1:B:64:MET:HG2	15	0.13
(1,5202)	1:B:40:LEU:H	1:B:64:MET:HG3	15	0.13
(1,5201)	1:A:40:LEU:H	1:A:63:MET:HB2	5	0.13
(1,5201)	1:A:40:LEU:H	1:A:64:MET:HG2	5	0.13
(1,5201)	1:A:40:LEU:H	1:A:64:MET:HG3	5	0.13
(1,5201)	1:A:40:LEU:H	1:A:63:MET:HB2	15	0.13
(1,5201)	1:A:40:LEU:H	1:A:64:MET:HG2	15	0.13
(1,5201)	1:A:40:LEU:H	1:A:64:MET:HG3	15	0.13
(1,5196)	1:B:73:GLY:H	1:B:75:LEU:HB3	6	0.13
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG21	6	0.13
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG22	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG23	6	0.13
(1,5196)	1:B:73:GLY:H	1:B:75:LEU:HB3	11	0.13
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG21	11	0.13
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG22	11	0.13
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG23	11	0.13
(1,5196)	1:B:73:GLY:H	1:B:75:LEU:HB3	14	0.13
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG21	14	0.13
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG22	14	0.13
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG23	14	0.13
(1,5195)	1:A:73:GLY:H	1:A:75:LEU:HB3	6	0.13
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG21	6	0.13
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG22	6	0.13
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG23	6	0.13
(1,5195)	1:A:73:GLY:H	1:A:75:LEU:HB3	11	0.13
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG21	11	0.13
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG22	11	0.13
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG23	11	0.13
(1,5195)	1:A:73:GLY:H	1:A:75:LEU:HB3	14	0.13
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG21	14	0.13
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG22	14	0.13
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG23	14	0.13
(1,5057)	1:A:37:THR:HG21	1:A:33:THR:HG21	7	0.13
(1,5057)	1:A:37:THR:HG21	1:A:33:THR:HG22	7	0.13
(1,5057)	1:A:37:THR:HG21	1:A:33:THR:HG23	7	0.13
(1,5057)	1:A:37:THR:HG22	1:A:33:THR:HG21	7	0.13
(1,5057)	1:A:37:THR:HG22	1:A:33:THR:HG22	7	0.13
(1,5057)	1:A:37:THR:HG22	1:A:33:THR:HG23	7	0.13
(1,5057)	1:A:37:THR:HG23	1:A:33:THR:HG21	7	0.13
(1,5057)	1:A:37:THR:HG23	1:A:33:THR:HG22	7	0.13
(1,5057)	1:A:37:THR:HG23	1:A:33:THR:HG23	7	0.13
(1,5057)	1:A:45:THR:HG21	1:A:23:LYS:HG2	7	0.13
(1,5057)	1:A:45:THR:HG22	1:A:23:LYS:HG2	7	0.13
(1,5057)	1:A:45:THR:HG23	1:A:23:LYS:HG2	7	0.13
(1,5057)	1:A:45:THR:HG21	1:A:47:LEU:HG	7	0.13
(1,5057)	1:A:45:THR:HG22	1:A:47:LEU:HG	7	0.13
(1,5057)	1:A:45:THR:HG23	1:A:47:LEU:HG	7	0.13
(1,5057)	1:A:45:THR:HG21	1:B:10:THR:HG21	7	0.13
(1,5057)	1:A:45:THR:HG21	1:B:10:THR:HG22	7	0.13
(1,5057)	1:A:45:THR:HG21	1:B:10:THR:HG23	7	0.13
(1,5057)	1:A:45:THR:HG22	1:B:10:THR:HG21	7	0.13
(1,5057)	1:A:45:THR:HG22	1:B:10:THR:HG22	7	0.13
(1,5057)	1:A:45:THR:HG22	1:B:10:THR:HG23	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5057)	1:A:45:THR:HG23	1:B:10:THR:HG21	7	0.13
(1,5057)	1:A:45:THR:HG23	1:B:10:THR:HG22	7	0.13
(1,5057)	1:A:45:THR:HG23	1:B:10:THR:HG23	7	0.13
(1,5034)	1:B:66:LYS:HD2	1:B:63:MET:HA	5	0.13
(1,5034)	1:B:66:LYS:HD3	1:B:63:MET:HA	5	0.13
(1,5034)	1:B:24:TYR:HA	1:B:27:LYS:HD2	5	0.13
(1,5034)	1:B:24:TYR:HA	1:B:27:LYS:HD3	5	0.13
(1,5033)	1:A:66:LYS:HD2	1:A:63:MET:HA	5	0.13
(1,5033)	1:A:66:LYS:HD3	1:A:63:MET:HA	5	0.13
(1,5033)	1:A:24:TYR:HA	1:A:27:LYS:HD2	5	0.13
(1,5033)	1:A:24:TYR:HA	1:A:27:LYS:HD3	5	0.13
(1,5030)	1:B:62:ARG:HG3	1:B:62:ARG:HA	20	0.13
(1,5030)	1:B:65:LYS:HG2	1:B:65:LYS:HA	20	0.13
(1,5030)	1:B:65:LYS:HG3	1:B:65:LYS:HA	20	0.13
(1,5029)	1:A:62:ARG:HG3	1:A:62:ARG:HA	20	0.13
(1,5029)	1:A:65:LYS:HG2	1:A:65:LYS:HA	20	0.13
(1,5029)	1:A:65:LYS:HG3	1:A:65:LYS:HA	20	0.13
(1,4936)	1:B:67:LEU:HD12	1:B:33:THR:HG21	16	0.13
(1,4936)	1:B:67:LEU:HD12	1:B:33:THR:HG22	16	0.13
(1,4936)	1:B:67:LEU:HD12	1:B:33:THR:HG23	16	0.13
(1,4936)	1:B:67:LEU:HD11	1:B:33:THR:HG21	16	0.13
(1,4936)	1:B:67:LEU:HD11	1:B:33:THR:HG22	16	0.13
(1,4936)	1:B:67:LEU:HD11	1:B:33:THR:HG23	16	0.13
(1,4936)	1:B:67:LEU:HD13	1:B:33:THR:HG21	16	0.13
(1,4936)	1:B:67:LEU:HD13	1:B:33:THR:HG22	16	0.13
(1,4936)	1:B:67:LEU:HD13	1:B:33:THR:HG23	16	0.13
(1,4936)	1:B:67:LEU:HD12	1:B:47:LEU:HG	16	0.13
(1,4936)	1:B:67:LEU:HD11	1:B:47:LEU:HG	16	0.13
(1,4936)	1:B:67:LEU:HD13	1:B:47:LEU:HG	16	0.13
(1,4936)	1:B:67:LEU:HD12	1:B:59:VAL:HG12	16	0.13
(1,4936)	1:B:67:LEU:HD12	1:B:59:VAL:HG11	16	0.13
(1,4936)	1:B:67:LEU:HD12	1:B:59:VAL:HG13	16	0.13
(1,4936)	1:B:67:LEU:HD11	1:B:59:VAL:HG12	16	0.13
(1,4936)	1:B:67:LEU:HD11	1:B:59:VAL:HG11	16	0.13
(1,4936)	1:B:67:LEU:HD11	1:B:59:VAL:HG13	16	0.13
(1,4936)	1:B:67:LEU:HD13	1:B:59:VAL:HG12	16	0.13
(1,4936)	1:B:67:LEU:HD13	1:B:59:VAL:HG11	16	0.13
(1,4936)	1:B:67:LEU:HD13	1:B:59:VAL:HG13	16	0.13
(1,4935)	1:A:67:LEU:HD12	1:A:33:THR:HG21	16	0.13
(1,4935)	1:A:67:LEU:HD12	1:A:33:THR:HG22	16	0.13
(1,4935)	1:A:67:LEU:HD12	1:A:33:THR:HG23	16	0.13
(1,4935)	1:A:67:LEU:HD11	1:A:33:THR:HG21	16	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4935)	1:A:67:LEU:HD11	1:A:33:THR:HG22	16	0.13
(1,4935)	1:A:67:LEU:HD11	1:A:33:THR:HG23	16	0.13
(1,4935)	1:A:67:LEU:HD13	1:A:33:THR:HG21	16	0.13
(1,4935)	1:A:67:LEU:HD13	1:A:33:THR:HG22	16	0.13
(1,4935)	1:A:67:LEU:HD13	1:A:33:THR:HG23	16	0.13
(1,4935)	1:A:67:LEU:HD12	1:A:47:LEU:HG	16	0.13
(1,4935)	1:A:67:LEU:HD11	1:A:47:LEU:HG	16	0.13
(1,4935)	1:A:67:LEU:HD13	1:A:47:LEU:HG	16	0.13
(1,4935)	1:A:67:LEU:HD12	1:A:59:VAL:HG12	16	0.13
(1,4935)	1:A:67:LEU:HD12	1:A:59:VAL:HG11	16	0.13
(1,4935)	1:A:67:LEU:HD12	1:A:59:VAL:HG13	16	0.13
(1,4935)	1:A:67:LEU:HD11	1:A:59:VAL:HG12	16	0.13
(1,4935)	1:A:67:LEU:HD11	1:A:59:VAL:HG11	16	0.13
(1,4935)	1:A:67:LEU:HD11	1:A:59:VAL:HG13	16	0.13
(1,4935)	1:A:67:LEU:HD13	1:A:59:VAL:HG12	16	0.13
(1,4935)	1:A:67:LEU:HD13	1:A:59:VAL:HG11	16	0.13
(1,4935)	1:A:67:LEU:HD13	1:A:59:VAL:HG13	16	0.13
(1,4882)	1:B:37:THR:HG21	1:B:40:LEU:HB2	11	0.13
(1,4882)	1:B:37:THR:HG22	1:B:40:LEU:HB2	11	0.13
(1,4882)	1:B:37:THR:HG23	1:B:40:LEU:HB2	11	0.13
(1,4882)	1:B:37:THR:HG21	1:B:40:LEU:HG	11	0.13
(1,4882)	1:B:37:THR:HG22	1:B:40:LEU:HG	11	0.13
(1,4882)	1:B:37:THR:HG23	1:B:40:LEU:HG	11	0.13
(1,4857)	1:A:23:LYS:HB2	1:A:23:LYS:HE2	17	0.13
(1,4857)	1:A:23:LYS:HB2	1:A:23:LYS:HE3	17	0.13
(1,4857)	1:A:23:LYS:HB3	1:A:23:LYS:HE2	17	0.13
(1,4857)	1:A:23:LYS:HB3	1:A:23:LYS:HE3	17	0.13
(1,4856)	1:B:34:LEU:HD22	1:B:24:TYR:HA	15	0.13
(1,4856)	1:B:34:LEU:HD21	1:B:24:TYR:HA	15	0.13
(1,4856)	1:B:34:LEU:HD23	1:B:24:TYR:HA	15	0.13
(1,4856)	1:B:25:ALA:HA	1:B:34:LEU:HD22	15	0.13
(1,4856)	1:B:25:ALA:HA	1:B:34:LEU:HD21	15	0.13
(1,4856)	1:B:25:ALA:HA	1:B:34:LEU:HD23	15	0.13
(1,4855)	1:A:34:LEU:HD22	1:A:24:TYR:HA	15	0.13
(1,4855)	1:A:34:LEU:HD21	1:A:24:TYR:HA	15	0.13
(1,4855)	1:A:34:LEU:HD23	1:A:24:TYR:HA	15	0.13
(1,4855)	1:A:25:ALA:HA	1:A:34:LEU:HD22	15	0.13
(1,4855)	1:A:25:ALA:HA	1:A:34:LEU:HD21	15	0.13
(1,4855)	1:A:25:ALA:HA	1:A:34:LEU:HD23	15	0.13
(1,4832)	1:B:12:ARG:HD2	1:B:9:GLU:HA	4	0.13
(1,4832)	1:B:12:ARG:HD3	1:B:9:GLU:HA	4	0.13
(1,4832)	1:B:12:ARG:HD2	1:B:12:ARG:HA	4	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4832)	1:B:12:ARG:HD3	1:B:12:ARG:HA	4	0.13
(1,4831)	1:A:12:ARG:HD2	1:A:9:GLU:HA	4	0.13
(1,4831)	1:A:12:ARG:HD3	1:A:9:GLU:HA	4	0.13
(1,4831)	1:A:12:ARG:HD2	1:A:12:ARG:HA	4	0.13
(1,4831)	1:A:12:ARG:HD3	1:A:12:ARG:HA	4	0.13
(1,482)	1:B:8:THR:HA	1:B:10:THR:HG21	7	0.13
(1,482)	1:B:8:THR:HA	1:B:10:THR:HG22	7	0.13
(1,482)	1:B:8:THR:HA	1:B:10:THR:HG23	7	0.13
(1,482)	1:B:8:THR:HA	1:B:10:THR:HG21	8	0.13
(1,482)	1:B:8:THR:HA	1:B:10:THR:HG22	8	0.13
(1,482)	1:B:8:THR:HA	1:B:10:THR:HG23	8	0.13
(1,482)	1:B:8:THR:HA	1:B:10:THR:HG21	15	0.13
(1,482)	1:B:8:THR:HA	1:B:10:THR:HG22	15	0.13
(1,482)	1:B:8:THR:HA	1:B:10:THR:HG23	15	0.13
(1,482)	1:B:8:THR:HA	1:B:10:THR:HG21	16	0.13
(1,482)	1:B:8:THR:HA	1:B:10:THR:HG22	16	0.13
(1,482)	1:B:8:THR:HA	1:B:10:THR:HG23	16	0.13
(1,481)	1:A:8:THR:HA	1:A:10:THR:HG21	8	0.13
(1,481)	1:A:8:THR:HA	1:A:10:THR:HG22	8	0.13
(1,481)	1:A:8:THR:HA	1:A:10:THR:HG23	8	0.13
(1,481)	1:A:8:THR:HA	1:A:10:THR:HG21	15	0.13
(1,481)	1:A:8:THR:HA	1:A:10:THR:HG22	15	0.13
(1,481)	1:A:8:THR:HA	1:A:10:THR:HG23	15	0.13
(1,481)	1:A:8:THR:HA	1:A:10:THR:HG21	16	0.13
(1,481)	1:A:8:THR:HA	1:A:10:THR:HG22	16	0.13
(1,481)	1:A:8:THR:HA	1:A:10:THR:HG23	16	0.13
(1,4780)	1:B:10:THR:HB	1:B:14:ILE:HD12	2	0.13
(1,4780)	1:B:10:THR:HB	1:B:14:ILE:HD11	2	0.13
(1,4780)	1:B:10:THR:HB	1:B:14:ILE:HD13	2	0.13
(1,4780)	1:B:14:ILE:HD12	1:A:88:ALA:HA	2	0.13
(1,4780)	1:B:14:ILE:HD11	1:A:88:ALA:HA	2	0.13
(1,4780)	1:B:14:ILE:HD13	1:A:88:ALA:HA	2	0.13
(1,4779)	1:A:10:THR:HB	1:A:14:ILE:HD12	2	0.13
(1,4779)	1:A:10:THR:HB	1:A:14:ILE:HD11	2	0.13
(1,4779)	1:A:10:THR:HB	1:A:14:ILE:HD13	2	0.13
(1,4779)	1:A:14:ILE:HD12	1:B:88:ALA:HA	2	0.13
(1,4779)	1:A:14:ILE:HD11	1:B:88:ALA:HA	2	0.13
(1,4779)	1:A:14:ILE:HD13	1:B:88:ALA:HA	2	0.13
(1,4742)	1:B:40:LEU:HD12	1:B:36:LYS:HA	14	0.13
(1,4742)	1:B:40:LEU:HD11	1:B:36:LYS:HA	14	0.13
(1,4742)	1:B:40:LEU:HD13	1:B:36:LYS:HA	14	0.13
(1,4742)	1:B:60:LEU:HD12	1:B:39:PHE:HA	14	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4742)	1:B:60:LEU:HD11	1:B:39:PHE:HA	14	0.13
(1,4742)	1:B:60:LEU:HD13	1:B:39:PHE:HA	14	0.13
(1,4742)	1:B:44:ASN:HA	1:B:60:LEU:HD12	14	0.13
(1,4742)	1:B:44:ASN:HA	1:B:60:LEU:HD11	14	0.13
(1,4742)	1:B:44:ASN:HA	1:B:60:LEU:HD13	14	0.13
(1,4742)	1:B:60:LEU:HD12	1:B:60:LEU:HA	14	0.13
(1,4742)	1:B:60:LEU:HD11	1:B:60:LEU:HA	14	0.13
(1,4742)	1:B:60:LEU:HD13	1:B:60:LEU:HA	14	0.13
(1,4742)	1:B:83:LEU:HD12	1:B:60:LEU:HA	14	0.13
(1,4742)	1:B:83:LEU:HD11	1:B:60:LEU:HA	14	0.13
(1,4742)	1:B:83:LEU:HD13	1:B:60:LEU:HA	14	0.13
(1,4741)	1:A:40:LEU:HD12	1:A:36:LYS:HA	14	0.13
(1,4741)	1:A:40:LEU:HD11	1:A:36:LYS:HA	14	0.13
(1,4741)	1:A:40:LEU:HD13	1:A:36:LYS:HA	14	0.13
(1,4741)	1:A:60:LEU:HD12	1:A:39:PHE:HA	14	0.13
(1,4741)	1:A:60:LEU:HD11	1:A:39:PHE:HA	14	0.13
(1,4741)	1:A:60:LEU:HD13	1:A:39:PHE:HA	14	0.13
(1,4741)	1:A:44:ASN:HA	1:A:60:LEU:HD12	14	0.13
(1,4741)	1:A:44:ASN:HA	1:A:60:LEU:HD11	14	0.13
(1,4741)	1:A:44:ASN:HA	1:A:60:LEU:HD13	14	0.13
(1,4741)	1:A:60:LEU:HD12	1:A:60:LEU:HA	14	0.13
(1,4741)	1:A:60:LEU:HD11	1:A:60:LEU:HA	14	0.13
(1,4741)	1:A:60:LEU:HD13	1:A:60:LEU:HA	14	0.13
(1,4741)	1:A:83:LEU:HD12	1:A:60:LEU:HA	14	0.13
(1,4741)	1:A:83:LEU:HD11	1:A:60:LEU:HA	14	0.13
(1,4741)	1:A:83:LEU:HD13	1:A:60:LEU:HA	14	0.13
(1,4652)	1:B:37:THR:HG21	1:B:41:SER:H	19	0.13
(1,4652)	1:B:37:THR:HG22	1:B:41:SER:H	19	0.13
(1,4652)	1:B:37:THR:HG23	1:B:41:SER:H	19	0.13
(1,4652)	1:B:71:SER:H	1:B:69:THR:HG21	19	0.13
(1,4652)	1:B:71:SER:H	1:B:69:THR:HG22	19	0.13
(1,4652)	1:B:71:SER:H	1:B:69:THR:HG23	19	0.13
(1,4651)	1:A:37:THR:HG21	1:A:41:SER:H	19	0.13
(1,4651)	1:A:37:THR:HG22	1:A:41:SER:H	19	0.13
(1,4651)	1:A:37:THR:HG23	1:A:41:SER:H	19	0.13
(1,4651)	1:A:71:SER:H	1:A:69:THR:HG21	19	0.13
(1,4651)	1:A:71:SER:H	1:A:69:THR:HG22	19	0.13
(1,4651)	1:A:71:SER:H	1:A:69:THR:HG23	19	0.13
(1,463)	1:A:68:ASP:HB2	1:A:33:THR:HG21	7	0.13
(1,463)	1:A:68:ASP:HB2	1:A:33:THR:HG22	7	0.13
(1,463)	1:A:68:ASP:HB2	1:A:33:THR:HG23	7	0.13
(1,4488)	1:B:84:ILE:HB	1:B:17:LEU:HD22	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4488)	1:B:84:ILE:HB	1:B:17:LEU:HD21	20	0.13
(1,4488)	1:B:84:ILE:HB	1:B:17:LEU:HD23	20	0.13
(1,4488)	1:B:84:ILE:HB	1:B:81:LEU:HG	20	0.13
(1,4488)	1:B:84:ILE:HB	1:B:83:LEU:HD22	20	0.13
(1,4488)	1:B:84:ILE:HB	1:B:83:LEU:HD21	20	0.13
(1,4488)	1:B:84:ILE:HB	1:B:83:LEU:HD23	20	0.13
(1,4487)	1:A:84:ILE:HB	1:A:17:LEU:HD22	19	0.13
(1,4487)	1:A:84:ILE:HB	1:A:17:LEU:HD21	19	0.13
(1,4487)	1:A:84:ILE:HB	1:A:17:LEU:HD23	19	0.13
(1,4487)	1:A:84:ILE:HB	1:A:81:LEU:HG	19	0.13
(1,4487)	1:A:84:ILE:HB	1:A:83:LEU:HD22	19	0.13
(1,4487)	1:A:84:ILE:HB	1:A:83:LEU:HD21	19	0.13
(1,4487)	1:A:84:ILE:HB	1:A:83:LEU:HD23	19	0.13
(1,4487)	1:A:84:ILE:HB	1:A:17:LEU:HD22	20	0.13
(1,4487)	1:A:84:ILE:HB	1:A:17:LEU:HD21	20	0.13
(1,4487)	1:A:84:ILE:HB	1:A:17:LEU:HD23	20	0.13
(1,4487)	1:A:84:ILE:HB	1:A:81:LEU:HG	20	0.13
(1,4487)	1:A:84:ILE:HB	1:A:83:LEU:HD22	20	0.13
(1,4487)	1:A:84:ILE:HB	1:A:83:LEU:HD21	20	0.13
(1,4487)	1:A:84:ILE:HB	1:A:83:LEU:HD23	20	0.13
(1,4422)	1:B:20:VAL:HG12	1:A:13:CYS:HB3	11	0.13
(1,4422)	1:B:20:VAL:HG11	1:A:13:CYS:HB3	11	0.13
(1,4422)	1:B:20:VAL:HG13	1:A:13:CYS:HB3	11	0.13
(1,4422)	1:B:42:PHE:HA	1:B:45:THR:HG21	11	0.13
(1,4422)	1:B:42:PHE:HA	1:B:45:THR:HG22	11	0.13
(1,4422)	1:B:42:PHE:HA	1:B:45:THR:HG23	11	0.13
(1,4422)	1:B:45:THR:HG21	1:B:52:LYS:HE2	11	0.13
(1,4422)	1:B:45:THR:HG21	1:B:52:LYS:HE3	11	0.13
(1,4422)	1:B:45:THR:HG22	1:B:52:LYS:HE2	11	0.13
(1,4422)	1:B:45:THR:HG22	1:B:52:LYS:HE3	11	0.13
(1,4422)	1:B:45:THR:HG23	1:B:52:LYS:HE2	11	0.13
(1,4422)	1:B:45:THR:HG23	1:B:52:LYS:HE3	11	0.13
(1,4422)	1:B:69:THR:HG21	1:B:68:ASP:HB2	11	0.13
(1,4422)	1:B:69:THR:HG22	1:B:68:ASP:HB2	11	0.13
(1,4422)	1:B:69:THR:HG23	1:B:68:ASP:HB2	11	0.13
(1,4422)	1:B:21:PHE:HB2	1:B:20:VAL:HG12	11	0.13
(1,4422)	1:B:21:PHE:HB2	1:B:20:VAL:HG11	11	0.13
(1,4422)	1:B:21:PHE:HB2	1:B:20:VAL:HG13	11	0.13
(1,4421)	1:A:20:VAL:HG12	1:B:13:CYS:HB3	11	0.13
(1,4421)	1:A:20:VAL:HG11	1:B:13:CYS:HB3	11	0.13
(1,4421)	1:A:20:VAL:HG13	1:B:13:CYS:HB3	11	0.13
(1,4421)	1:A:42:PHE:HA	1:A:45:THR:HG21	11	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4421)	1:A:42:PHE:HA	1:A:45:THR:HG22	11	0.13
(1,4421)	1:A:42:PHE:HA	1:A:45:THR:HG23	11	0.13
(1,4421)	1:A:45:THR:HG21	1:A:52:LYS:HE2	11	0.13
(1,4421)	1:A:45:THR:HG21	1:A:52:LYS:HE3	11	0.13
(1,4421)	1:A:45:THR:HG22	1:A:52:LYS:HE2	11	0.13
(1,4421)	1:A:45:THR:HG22	1:A:52:LYS:HE3	11	0.13
(1,4421)	1:A:45:THR:HG23	1:A:52:LYS:HE2	11	0.13
(1,4421)	1:A:45:THR:HG23	1:A:52:LYS:HE3	11	0.13
(1,4421)	1:A:69:THR:HG21	1:A:68:ASP:HB2	11	0.13
(1,4421)	1:A:69:THR:HG22	1:A:68:ASP:HB2	11	0.13
(1,4421)	1:A:69:THR:HG23	1:A:68:ASP:HB2	11	0.13
(1,4421)	1:A:21:PHE:HB2	1:A:20:VAL:HG12	11	0.13
(1,4421)	1:A:21:PHE:HB2	1:A:20:VAL:HG11	11	0.13
(1,4421)	1:A:21:PHE:HB2	1:A:20:VAL:HG13	11	0.13
(1,4375)	1:A:74:GLN:H	1:A:33:THR:HG21	13	0.13
(1,4375)	1:A:74:GLN:H	1:A:33:THR:HG22	13	0.13
(1,4375)	1:A:74:GLN:H	1:A:33:THR:HG23	13	0.13
(1,4375)	1:A:59:VAL:HG12	1:A:62:ARG:H	13	0.13
(1,4375)	1:A:59:VAL:HG11	1:A:62:ARG:H	13	0.13
(1,4375)	1:A:59:VAL:HG13	1:A:62:ARG:H	13	0.13
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD22	7	0.13
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD21	7	0.13
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD23	7	0.13
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD22	7	0.13
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD21	7	0.13
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD23	7	0.13
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD22	7	0.13
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD21	7	0.13
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD23	7	0.13
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD12	7	0.13
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD11	7	0.13
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD13	7	0.13
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD12	7	0.13
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD11	7	0.13
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD13	7	0.13
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD12	7	0.13
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD11	7	0.13
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD13	7	0.13
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD22	8	0.13
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD21	8	0.13
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD23	8	0.13
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD22	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD21	8	0.13
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD23	8	0.13
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD22	8	0.13
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD21	8	0.13
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD23	8	0.13
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD12	8	0.13
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD11	8	0.13
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD13	8	0.13
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD12	8	0.13
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD11	8	0.13
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD13	8	0.13
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD12	8	0.13
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD11	8	0.13
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD13	8	0.13
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD22	12	0.13
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD21	12	0.13
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD23	12	0.13
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD22	12	0.13
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD21	12	0.13
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD23	12	0.13
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD22	12	0.13
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD21	12	0.13
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD23	12	0.13
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD12	12	0.13
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD11	12	0.13
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD13	12	0.13
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD12	12	0.13
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD11	12	0.13
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD13	12	0.13
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD12	12	0.13
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD11	12	0.13
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD13	12	0.13
(1,4342)	1:B:41:SER:H	1:B:60:LEU:HD12	3	0.13
(1,4342)	1:B:41:SER:H	1:B:60:LEU:HD11	3	0.13
(1,4342)	1:B:41:SER:H	1:B:60:LEU:HD13	3	0.13
(1,4342)	1:B:83:LEU:HD12	1:B:86:GLY:H	3	0.13
(1,4342)	1:B:83:LEU:HD11	1:B:86:GLY:H	3	0.13
(1,4342)	1:B:83:LEU:HD13	1:B:86:GLY:H	3	0.13
(1,4342)	1:B:41:SER:H	1:B:60:LEU:HD12	14	0.13
(1,4342)	1:B:41:SER:H	1:B:60:LEU:HD11	14	0.13
(1,4342)	1:B:41:SER:H	1:B:60:LEU:HD13	14	0.13
(1,4342)	1:B:83:LEU:HD12	1:B:86:GLY:H	14	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4342)	1:B:83:LEU:HD11	1:B:86:GLY:H	14	0.13
(1,4342)	1:B:83:LEU:HD13	1:B:86:GLY:H	14	0.13
(1,4342)	1:B:41:SER:H	1:B:60:LEU:HD12	18	0.13
(1,4342)	1:B:41:SER:H	1:B:60:LEU:HD11	18	0.13
(1,4342)	1:B:41:SER:H	1:B:60:LEU:HD13	18	0.13
(1,4342)	1:B:83:LEU:HD12	1:B:86:GLY:H	18	0.13
(1,4342)	1:B:83:LEU:HD11	1:B:86:GLY:H	18	0.13
(1,4342)	1:B:83:LEU:HD13	1:B:86:GLY:H	18	0.13
(1,4341)	1:A:41:SER:H	1:A:60:LEU:HD12	3	0.13
(1,4341)	1:A:41:SER:H	1:A:60:LEU:HD11	3	0.13
(1,4341)	1:A:41:SER:H	1:A:60:LEU:HD13	3	0.13
(1,4341)	1:A:83:LEU:HD12	1:A:86:GLY:H	3	0.13
(1,4341)	1:A:83:LEU:HD11	1:A:86:GLY:H	3	0.13
(1,4341)	1:A:83:LEU:HD13	1:A:86:GLY:H	3	0.13
(1,4341)	1:A:41:SER:H	1:A:60:LEU:HD12	14	0.13
(1,4341)	1:A:41:SER:H	1:A:60:LEU:HD11	14	0.13
(1,4341)	1:A:41:SER:H	1:A:60:LEU:HD13	14	0.13
(1,4341)	1:A:83:LEU:HD12	1:A:86:GLY:H	14	0.13
(1,4341)	1:A:83:LEU:HD11	1:A:86:GLY:H	14	0.13
(1,4341)	1:A:83:LEU:HD13	1:A:86:GLY:H	14	0.13
(1,4341)	1:A:41:SER:H	1:A:60:LEU:HD12	18	0.13
(1,4341)	1:A:41:SER:H	1:A:60:LEU:HD11	18	0.13
(1,4341)	1:A:41:SER:H	1:A:60:LEU:HD13	18	0.13
(1,4341)	1:A:83:LEU:HD12	1:A:86:GLY:H	18	0.13
(1,4341)	1:A:83:LEU:HD11	1:A:86:GLY:H	18	0.13
(1,4341)	1:A:83:LEU:HD13	1:A:86:GLY:H	18	0.13
(1,4262)	1:B:59:VAL:HA	1:B:61:ASP:HB2	5	0.13
(1,4262)	1:B:63:MET:HG2	1:B:59:VAL:HA	5	0.13
(1,4261)	1:A:59:VAL:HA	1:A:61:ASP:HB2	5	0.13
(1,4261)	1:A:63:MET:HG2	1:A:59:VAL:HA	5	0.13
(1,4246)	1:B:89:MET:HB2	1:B:85:GLY:H	6	0.13
(1,4246)	1:B:89:MET:HB3	1:B:85:GLY:H	6	0.13
(1,4246)	1:B:100:PRO:HB2	1:A:22:GLN:H	6	0.13
(1,4245)	1:A:89:MET:HB2	1:A:85:GLY:H	6	0.13
(1,4245)	1:A:89:MET:HB3	1:A:85:GLY:H	6	0.13
(1,4245)	1:A:100:PRO:HB2	1:B:22:GLN:H	6	0.13
(1,4243)	1:A:87:LEU:HB2	1:A:91:CYS:HA	17	0.13
(1,4243)	1:A:91:CYS:HA	1:A:97:LYS:HB2	17	0.13
(1,4243)	1:A:91:CYS:HA	1:A:97:LYS:HB3	17	0.13
(1,4243)	1:A:91:CYS:HA	1:A:97:LYS:HD2	17	0.13
(1,4243)	1:A:91:CYS:HA	1:A:97:LYS:HD3	17	0.13
(1,4243)	1:A:91:CYS:HA	1:B:18:ILE:HB	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4226)	1:B:63:MET:HA	1:B:64:MET:HA	3	0.13
(1,4226)	1:B:65:LYS:HA	1:B:64:MET:HA	3	0.13
(1,4226)	1:B:65:LYS:HA	1:B:73:GLY:HA3	3	0.13
(1,4226)	1:B:71:SER:HA	1:B:73:GLY:HA3	3	0.13
(1,4226)	1:B:63:MET:HA	1:B:64:MET:HA	18	0.13
(1,4226)	1:B:65:LYS:HA	1:B:64:MET:HA	18	0.13
(1,4226)	1:B:65:LYS:HA	1:B:73:GLY:HA3	18	0.13
(1,4226)	1:B:71:SER:HA	1:B:73:GLY:HA3	18	0.13
(1,4226)	1:B:63:MET:HA	1:B:64:MET:HA	20	0.13
(1,4226)	1:B:65:LYS:HA	1:B:64:MET:HA	20	0.13
(1,4226)	1:B:65:LYS:HA	1:B:73:GLY:HA3	20	0.13
(1,4226)	1:B:71:SER:HA	1:B:73:GLY:HA3	20	0.13
(1,4225)	1:A:63:MET:HA	1:A:64:MET:HA	3	0.13
(1,4225)	1:A:65:LYS:HA	1:A:64:MET:HA	3	0.13
(1,4225)	1:A:65:LYS:HA	1:A:73:GLY:HA3	3	0.13
(1,4225)	1:A:71:SER:HA	1:A:73:GLY:HA3	3	0.13
(1,4225)	1:A:63:MET:HA	1:A:64:MET:HA	18	0.13
(1,4225)	1:A:65:LYS:HA	1:A:64:MET:HA	18	0.13
(1,4225)	1:A:65:LYS:HA	1:A:73:GLY:HA3	18	0.13
(1,4225)	1:A:71:SER:HA	1:A:73:GLY:HA3	18	0.13
(1,4225)	1:A:63:MET:HA	1:A:64:MET:HA	20	0.13
(1,4225)	1:A:65:LYS:HA	1:A:64:MET:HA	20	0.13
(1,4225)	1:A:65:LYS:HA	1:A:73:GLY:HA3	20	0.13
(1,4225)	1:A:71:SER:HA	1:A:73:GLY:HA3	20	0.13
(1,4202)	1:B:42:PHE:HB3	1:B:20:VAL:HG22	11	0.13
(1,4202)	1:B:42:PHE:HB3	1:B:20:VAL:HG21	11	0.13
(1,4202)	1:B:42:PHE:HB3	1:B:20:VAL:HG23	11	0.13
(1,4202)	1:B:42:PHE:HB3	1:B:34:LEU:HG	11	0.13
(1,4202)	1:B:11:GLU:HG2	1:B:8:THR:HG21	11	0.13
(1,4202)	1:B:11:GLU:HG2	1:B:8:THR:HG22	11	0.13
(1,4202)	1:B:11:GLU:HG2	1:B:8:THR:HG23	11	0.13
(1,4202)	1:B:42:PHE:HB3	1:B:20:VAL:HG22	16	0.13
(1,4202)	1:B:42:PHE:HB3	1:B:20:VAL:HG21	16	0.13
(1,4202)	1:B:42:PHE:HB3	1:B:20:VAL:HG23	16	0.13
(1,4202)	1:B:42:PHE:HB3	1:B:34:LEU:HG	16	0.13
(1,4202)	1:B:11:GLU:HG2	1:B:8:THR:HG21	16	0.13
(1,4202)	1:B:11:GLU:HG2	1:B:8:THR:HG22	16	0.13
(1,4202)	1:B:11:GLU:HG2	1:B:8:THR:HG23	16	0.13
(1,4201)	1:A:42:PHE:HB3	1:A:20:VAL:HG22	10	0.13
(1,4201)	1:A:42:PHE:HB3	1:A:20:VAL:HG21	10	0.13
(1,4201)	1:A:42:PHE:HB3	1:A:20:VAL:HG23	10	0.13
(1,4201)	1:A:42:PHE:HB3	1:A:34:LEU:HG	10	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4201)	1:A:11:GLU:HG2	1:A:8:THR:HG21	10	0.13
(1,4201)	1:A:11:GLU:HG2	1:A:8:THR:HG22	10	0.13
(1,4201)	1:A:11:GLU:HG2	1:A:8:THR:HG23	10	0.13
(1,4201)	1:A:42:PHE:HB3	1:A:20:VAL:HG22	11	0.13
(1,4201)	1:A:42:PHE:HB3	1:A:20:VAL:HG21	11	0.13
(1,4201)	1:A:42:PHE:HB3	1:A:20:VAL:HG23	11	0.13
(1,4201)	1:A:42:PHE:HB3	1:A:34:LEU:HG	11	0.13
(1,4201)	1:A:11:GLU:HG2	1:A:8:THR:HG21	11	0.13
(1,4201)	1:A:11:GLU:HG2	1:A:8:THR:HG22	11	0.13
(1,4201)	1:A:11:GLU:HG2	1:A:8:THR:HG23	11	0.13
(1,4201)	1:A:42:PHE:HB3	1:A:20:VAL:HG22	16	0.13
(1,4201)	1:A:42:PHE:HB3	1:A:20:VAL:HG21	16	0.13
(1,4201)	1:A:42:PHE:HB3	1:A:20:VAL:HG23	16	0.13
(1,4201)	1:A:42:PHE:HB3	1:A:34:LEU:HG	16	0.13
(1,4201)	1:A:11:GLU:HG2	1:A:8:THR:HG21	16	0.13
(1,4201)	1:A:11:GLU:HG2	1:A:8:THR:HG22	16	0.13
(1,4201)	1:A:11:GLU:HG2	1:A:8:THR:HG23	16	0.13
(1,4196)	1:B:52:LYS:HD2	1:B:53:ASN:HB3	12	0.13
(1,4196)	1:B:52:LYS:HD3	1:B:53:ASN:HB3	12	0.13
(1,4196)	1:B:52:LYS:HD2	1:B:44:ASN:HB3	12	0.13
(1,4196)	1:B:52:LYS:HD3	1:B:44:ASN:HB3	12	0.13
(1,4196)	1:B:52:LYS:HB2	1:B:53:ASN:HB3	12	0.13
(1,4196)	1:B:52:LYS:HB3	1:B:53:ASN:HB3	12	0.13
(1,4195)	1:A:52:LYS:HD2	1:A:53:ASN:HB3	12	0.13
(1,4195)	1:A:52:LYS:HD3	1:A:53:ASN:HB3	12	0.13
(1,4195)	1:A:52:LYS:HD2	1:A:44:ASN:HB3	12	0.13
(1,4195)	1:A:52:LYS:HD3	1:A:44:ASN:HB3	12	0.13
(1,4195)	1:A:52:LYS:HB2	1:A:53:ASN:HB3	12	0.13
(1,4195)	1:A:52:LYS:HB3	1:A:53:ASN:HB3	12	0.13
(1,4183)	1:A:13:CYS:HA	1:A:15:GLU:HB2	18	0.13
(1,4183)	1:A:13:CYS:HA	1:A:15:GLU:HB3	18	0.13
(1,4183)	1:A:13:CYS:HA	1:A:17:LEU:HG	18	0.13
(1,4154)	1:B:82:ASN:HA	1:B:81:LEU:HB2	8	0.13
(1,4154)	1:B:82:ASN:HA	1:B:83:LEU:HB3	8	0.13
(1,4154)	1:B:82:ASN:HA	1:A:81:LEU:HB2	8	0.13
(1,4154)	1:B:82:ASN:HA	1:B:81:LEU:HB2	10	0.13
(1,4154)	1:B:82:ASN:HA	1:B:83:LEU:HB3	10	0.13
(1,4154)	1:B:82:ASN:HA	1:A:81:LEU:HB2	10	0.13
(1,4153)	1:A:82:ASN:HA	1:A:81:LEU:HB2	8	0.13
(1,4153)	1:A:82:ASN:HA	1:A:83:LEU:HB3	8	0.13
(1,4153)	1:A:82:ASN:HA	1:B:81:LEU:HB2	8	0.13
(1,4153)	1:A:82:ASN:HA	1:A:81:LEU:HB2	10	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4153)	1:A:82:ASN:HA	1:A:83:LEU:HB3	10	0.13
(1,4153)	1:A:82:ASN:HA	1:B:81:LEU:HB2	10	0.13
(1,4149)	1:A:17:LEU:HG	1:A:13:CYS:HB2	8	0.13
(1,4149)	1:A:13:CYS:HB2	1:B:17:LEU:HG	8	0.13
(1,4104)	1:B:42:PHE:HA	1:B:20:VAL:HB	14	0.13
(1,4104)	1:B:42:PHE:HA	1:B:38:GLU:HB2	14	0.13
(1,4103)	1:A:42:PHE:HA	1:A:20:VAL:HB	14	0.13
(1,4103)	1:A:42:PHE:HA	1:A:38:GLU:HB2	14	0.13
(1,4094)	1:B:11:GLU:HB2	1:B:13:CYS:HB3	10	0.13
(1,4094)	1:B:11:GLU:HB3	1:B:13:CYS:HB3	10	0.13
(1,4094)	1:B:12:ARG:HB2	1:B:13:CYS:HB3	10	0.13
(1,4094)	1:B:12:ARG:HB3	1:B:13:CYS:HB3	10	0.13
(1,4094)	1:B:38:GLU:HB3	1:B:27:LYS:HE2	10	0.13
(1,4094)	1:B:38:GLU:HB3	1:B:27:LYS:HE3	10	0.13
(1,4094)	1:B:62:ARG:HB2	1:B:66:LYS:HE2	10	0.13
(1,4094)	1:B:62:ARG:HB2	1:B:66:LYS:HE3	10	0.13
(1,4093)	1:A:11:GLU:HB2	1:A:13:CYS:HB3	10	0.13
(1,4093)	1:A:11:GLU:HB3	1:A:13:CYS:HB3	10	0.13
(1,4093)	1:A:12:ARG:HB2	1:A:13:CYS:HB3	10	0.13
(1,4093)	1:A:12:ARG:HB3	1:A:13:CYS:HB3	10	0.13
(1,4093)	1:A:38:GLU:HB3	1:A:27:LYS:HE2	10	0.13
(1,4093)	1:A:38:GLU:HB3	1:A:27:LYS:HE3	10	0.13
(1,4093)	1:A:62:ARG:HB2	1:A:66:LYS:HE2	10	0.13
(1,4093)	1:A:62:ARG:HB2	1:A:66:LYS:HE3	10	0.13
(1,4090)	1:B:40:LEU:HB3	1:B:44:ASN:H	6	0.13
(1,4090)	1:B:62:ARG:H	1:B:60:LEU:HB3	6	0.13
(1,4090)	1:B:60:LEU:HB3	1:B:64:MET:H	6	0.13
(1,4089)	1:A:40:LEU:HB3	1:A:44:ASN:H	6	0.13
(1,4089)	1:A:62:ARG:H	1:A:60:LEU:HB3	6	0.13
(1,4089)	1:A:60:LEU:HB3	1:A:64:MET:H	6	0.13
(1,3960)	1:B:99:VAL:HG12	1:B:100:PRO:HD2	4	0.13
(1,3960)	1:B:99:VAL:HG11	1:B:100:PRO:HD2	4	0.13
(1,3960)	1:B:99:VAL:HG13	1:B:100:PRO:HD2	4	0.13
(1,3960)	1:B:99:VAL:HG12	1:B:101:SER:HB2	4	0.13
(1,3960)	1:B:99:VAL:HG12	1:B:101:SER:HB3	4	0.13
(1,3960)	1:B:99:VAL:HG11	1:B:101:SER:HB2	4	0.13
(1,3960)	1:B:99:VAL:HG11	1:B:101:SER:HB3	4	0.13
(1,3960)	1:B:99:VAL:HG13	1:B:101:SER:HB2	4	0.13
(1,3960)	1:B:99:VAL:HG13	1:B:101:SER:HB3	4	0.13
(1,3960)	1:B:99:VAL:HG12	1:B:100:PRO:HD2	18	0.13
(1,3960)	1:B:99:VAL:HG11	1:B:100:PRO:HD2	18	0.13
(1,3960)	1:B:99:VAL:HG13	1:B:100:PRO:HD2	18	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3960)	1:B:99:VAL:HG12	1:B:101:SER:HB2	18	0.13
(1,3960)	1:B:99:VAL:HG12	1:B:101:SER:HB3	18	0.13
(1,3960)	1:B:99:VAL:HG11	1:B:101:SER:HB2	18	0.13
(1,3960)	1:B:99:VAL:HG11	1:B:101:SER:HB3	18	0.13
(1,3960)	1:B:99:VAL:HG13	1:B:101:SER:HB2	18	0.13
(1,3960)	1:B:99:VAL:HG13	1:B:101:SER:HB3	18	0.13
(1,3959)	1:A:99:VAL:HG12	1:A:100:PRO:HD2	4	0.13
(1,3959)	1:A:99:VAL:HG11	1:A:100:PRO:HD2	4	0.13
(1,3959)	1:A:99:VAL:HG13	1:A:100:PRO:HD2	4	0.13
(1,3959)	1:A:99:VAL:HG12	1:A:101:SER:HB2	4	0.13
(1,3959)	1:A:99:VAL:HG12	1:A:101:SER:HB3	4	0.13
(1,3959)	1:A:99:VAL:HG11	1:A:101:SER:HB2	4	0.13
(1,3959)	1:A:99:VAL:HG11	1:A:101:SER:HB3	4	0.13
(1,3959)	1:A:99:VAL:HG13	1:A:101:SER:HB2	4	0.13
(1,3959)	1:A:99:VAL:HG13	1:A:101:SER:HB3	4	0.13
(1,3959)	1:A:99:VAL:HG12	1:A:100:PRO:HD2	18	0.13
(1,3959)	1:A:99:VAL:HG11	1:A:100:PRO:HD2	18	0.13
(1,3959)	1:A:99:VAL:HG13	1:A:100:PRO:HD2	18	0.13
(1,3959)	1:A:99:VAL:HG12	1:A:101:SER:HB2	18	0.13
(1,3959)	1:A:99:VAL:HG12	1:A:101:SER:HB3	18	0.13
(1,3959)	1:A:99:VAL:HG11	1:A:101:SER:HB2	18	0.13
(1,3959)	1:A:99:VAL:HG11	1:A:101:SER:HB3	18	0.13
(1,3959)	1:A:99:VAL:HG13	1:A:101:SER:HB2	18	0.13
(1,3959)	1:A:99:VAL:HG13	1:A:101:SER:HB3	18	0.13
(1,3930)	1:B:74:GLN:HA	1:B:34:LEU:HB3	17	0.13
(1,3930)	1:B:74:GLN:HA	1:B:36:LYS:HG2	17	0.13
(1,3930)	1:B:74:GLN:HA	1:B:36:LYS:HG3	17	0.13
(1,3930)	1:B:74:GLN:HA	1:B:75:LEU:HB3	17	0.13
(1,3929)	1:A:74:GLN:HA	1:A:34:LEU:HB3	17	0.13
(1,3929)	1:A:74:GLN:HA	1:A:36:LYS:HG2	17	0.13
(1,3929)	1:A:74:GLN:HA	1:A:36:LYS:HG3	17	0.13
(1,3929)	1:A:74:GLN:HA	1:A:75:LEU:HB3	17	0.13
(1,3914)	1:B:35:SER:HA	1:B:34:LEU:HG	8	0.13
(1,3914)	1:B:35:SER:HA	1:B:75:LEU:HB3	8	0.13
(1,3913)	1:A:35:SER:HA	1:A:34:LEU:HG	2	0.13
(1,3913)	1:A:35:SER:HA	1:A:75:LEU:HB3	2	0.13
(1,3913)	1:A:35:SER:HA	1:A:34:LEU:HG	8	0.13
(1,3913)	1:A:35:SER:HA	1:A:75:LEU:HB3	8	0.13
(1,3898)	1:B:10:THR:HA	1:B:11:GLU:HB2	12	0.13
(1,3898)	1:B:10:THR:HA	1:B:11:GLU:HB3	12	0.13
(1,3898)	1:B:10:THR:HA	1:B:12:ARG:HB2	12	0.13
(1,3898)	1:B:10:THR:HA	1:B:12:ARG:HB3	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3898)	1:B:10:THR:HA	1:B:14:ILE:HB	12	0.13
(1,3897)	1:A:10:THR:HA	1:A:11:GLU:HB2	12	0.13
(1,3897)	1:A:10:THR:HA	1:A:11:GLU:HB3	12	0.13
(1,3897)	1:A:10:THR:HA	1:A:12:ARG:HB2	12	0.13
(1,3897)	1:A:10:THR:HA	1:A:12:ARG:HB3	12	0.13
(1,3897)	1:A:10:THR:HA	1:A:14:ILE:HB	12	0.13
(1,3884)	1:B:89:MET:HG3	1:B:83:LEU:H	3	0.13
(1,3884)	1:B:89:MET:HG3	1:A:82:ASN:H	3	0.13
(1,3884)	1:B:63:MET:HG3	1:B:65:LYS:H	3	0.13
(1,3884)	1:B:89:MET:HG3	1:B:83:LEU:H	13	0.13
(1,3884)	1:B:89:MET:HG3	1:A:82:ASN:H	13	0.13
(1,3884)	1:B:63:MET:HG3	1:B:65:LYS:H	13	0.13
(1,3883)	1:A:89:MET:HG3	1:A:83:LEU:H	3	0.13
(1,3883)	1:A:89:MET:HG3	1:B:82:ASN:H	3	0.13
(1,3883)	1:A:63:MET:HG3	1:A:65:LYS:H	3	0.13
(1,3883)	1:A:89:MET:HG3	1:A:83:LEU:H	13	0.13
(1,3883)	1:A:89:MET:HG3	1:B:82:ASN:H	13	0.13
(1,3883)	1:A:63:MET:HG3	1:A:65:LYS:H	13	0.13
(1,3786)	1:B:63:MET:HG3	1:B:61:ASP:H	2	0.13
(1,3786)	1:B:89:MET:HG3	1:B:87:LEU:H	2	0.13
(1,3785)	1:A:63:MET:HG3	1:A:61:ASP:H	2	0.13
(1,3785)	1:A:89:MET:HG3	1:A:87:LEU:H	2	0.13
(1,3736)	1:B:37:THR:HB	1:B:35:SER:HA	3	0.13
(1,3736)	1:B:51:THR:HB	1:B:53:ASN:HA	3	0.13
(1,3735)	1:A:37:THR:HB	1:A:35:SER:HA	3	0.13
(1,3735)	1:A:51:THR:HB	1:A:53:ASN:HA	3	0.13
(1,3695)	1:A:12:ARG:HD2	1:A:14:ILE:HG22	7	0.13
(1,3695)	1:A:12:ARG:HD2	1:A:14:ILE:HG21	7	0.13
(1,3695)	1:A:12:ARG:HD2	1:A:14:ILE:HG23	7	0.13
(1,3695)	1:A:12:ARG:HD3	1:A:14:ILE:HG22	7	0.13
(1,3695)	1:A:12:ARG:HD3	1:A:14:ILE:HG21	7	0.13
(1,3695)	1:A:12:ARG:HD3	1:A:14:ILE:HG23	7	0.13
(1,3695)	1:A:17:LEU:HD22	1:A:12:ARG:HD2	7	0.13
(1,3695)	1:A:17:LEU:HD22	1:A:12:ARG:HD3	7	0.13
(1,3695)	1:A:17:LEU:HD21	1:A:12:ARG:HD2	7	0.13
(1,3695)	1:A:17:LEU:HD21	1:A:12:ARG:HD3	7	0.13
(1,3695)	1:A:17:LEU:HD23	1:A:12:ARG:HD2	7	0.13
(1,3695)	1:A:17:LEU:HD23	1:A:12:ARG:HD3	7	0.13
(1,3695)	1:A:12:ARG:HD2	1:B:17:LEU:HD22	7	0.13
(1,3695)	1:A:12:ARG:HD2	1:B:17:LEU:HD21	7	0.13
(1,3695)	1:A:12:ARG:HD2	1:B:17:LEU:HD23	7	0.13
(1,3695)	1:A:12:ARG:HD3	1:B:17:LEU:HD22	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3695)	1:A:12:ARG:HD3	1:B:17:LEU:HD21	7	0.13
(1,3695)	1:A:12:ARG:HD3	1:B:17:LEU:HD23	7	0.13
(1,3695)	1:A:62:ARG:HD2	1:A:60:LEU:HD22	7	0.13
(1,3695)	1:A:62:ARG:HD2	1:A:60:LEU:HD21	7	0.13
(1,3695)	1:A:62:ARG:HD2	1:A:60:LEU:HD23	7	0.13
(1,3695)	1:A:12:ARG:HD2	1:A:14:ILE:HG22	13	0.13
(1,3695)	1:A:12:ARG:HD2	1:A:14:ILE:HG21	13	0.13
(1,3695)	1:A:12:ARG:HD2	1:A:14:ILE:HG23	13	0.13
(1,3695)	1:A:12:ARG:HD3	1:A:14:ILE:HG22	13	0.13
(1,3695)	1:A:12:ARG:HD3	1:A:14:ILE:HG21	13	0.13
(1,3695)	1:A:12:ARG:HD3	1:A:14:ILE:HG23	13	0.13
(1,3695)	1:A:17:LEU:HD22	1:A:12:ARG:HD2	13	0.13
(1,3695)	1:A:17:LEU:HD22	1:A:12:ARG:HD3	13	0.13
(1,3695)	1:A:17:LEU:HD21	1:A:12:ARG:HD2	13	0.13
(1,3695)	1:A:17:LEU:HD21	1:A:12:ARG:HD3	13	0.13
(1,3695)	1:A:17:LEU:HD23	1:A:12:ARG:HD2	13	0.13
(1,3695)	1:A:17:LEU:HD23	1:A:12:ARG:HD3	13	0.13
(1,3695)	1:A:12:ARG:HD2	1:B:17:LEU:HD22	13	0.13
(1,3695)	1:A:12:ARG:HD2	1:B:17:LEU:HD21	13	0.13
(1,3695)	1:A:12:ARG:HD2	1:B:17:LEU:HD23	13	0.13
(1,3695)	1:A:12:ARG:HD3	1:B:17:LEU:HD22	13	0.13
(1,3695)	1:A:12:ARG:HD3	1:B:17:LEU:HD21	13	0.13
(1,3695)	1:A:12:ARG:HD3	1:B:17:LEU:HD23	13	0.13
(1,3695)	1:A:62:ARG:HD2	1:A:60:LEU:HD22	13	0.13
(1,3695)	1:A:62:ARG:HD2	1:A:60:LEU:HD21	13	0.13
(1,3695)	1:A:62:ARG:HD2	1:A:60:LEU:HD23	13	0.13
(1,3680)	1:B:33:THR:HB	1:B:34:LEU:HG	12	0.13
(1,3680)	1:B:33:THR:HB	1:B:75:LEU:HB3	12	0.13
(1,3679)	1:A:33:THR:HB	1:A:34:LEU:HG	12	0.13
(1,3679)	1:A:33:THR:HB	1:A:75:LEU:HB3	12	0.13
(1,3678)	1:B:74:GLN:HG2	1:B:33:THR:HA	16	0.13
(1,3678)	1:B:74:GLN:HG3	1:B:33:THR:HA	16	0.13
(1,3678)	1:B:74:GLN:HG2	1:B:34:LEU:HA	16	0.13
(1,3678)	1:B:74:GLN:HG3	1:B:34:LEU:HA	16	0.13
(1,3678)	1:B:74:GLN:HG2	1:B:33:THR:HA	20	0.13
(1,3678)	1:B:74:GLN:HG3	1:B:33:THR:HA	20	0.13
(1,3678)	1:B:74:GLN:HG2	1:B:34:LEU:HA	20	0.13
(1,3678)	1:B:74:GLN:HG3	1:B:34:LEU:HA	20	0.13
(1,3677)	1:A:74:GLN:HG2	1:A:33:THR:HA	16	0.13
(1,3677)	1:A:74:GLN:HG3	1:A:33:THR:HA	16	0.13
(1,3677)	1:A:74:GLN:HG2	1:A:34:LEU:HA	16	0.13
(1,3677)	1:A:74:GLN:HG3	1:A:34:LEU:HA	16	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3670)	1:B:69:THR:HA	1:B:70:ASN:HB2	12	0.13
(1,3670)	1:B:70:ASN:HB2	1:B:71:SER:HA	12	0.13
(1,3669)	1:A:69:THR:HA	1:A:70:ASN:HB2	12	0.13
(1,3669)	1:A:70:ASN:HB2	1:A:71:SER:HA	12	0.13
(1,3661)	1:A:10:THR:HA	1:B:81:LEU:HD22	16	0.13
(1,3661)	1:A:10:THR:HA	1:B:81:LEU:HD21	16	0.13
(1,3661)	1:A:10:THR:HA	1:B:81:LEU:HD23	16	0.13
(1,3661)	1:A:10:THR:HA	1:B:87:LEU:HD22	16	0.13
(1,3661)	1:A:10:THR:HA	1:B:87:LEU:HD21	16	0.13
(1,3661)	1:A:10:THR:HA	1:B:87:LEU:HD23	16	0.13
(1,3626)	1:B:34:LEU:HA	1:B:24:TYR:HB2	9	0.13
(1,3626)	1:B:34:LEU:HA	1:B:27:LYS:HE2	9	0.13
(1,3626)	1:B:34:LEU:HA	1:B:27:LYS:HE3	9	0.13
(1,3625)	1:A:34:LEU:HA	1:A:24:TYR:HB2	9	0.13
(1,3625)	1:A:34:LEU:HA	1:A:27:LYS:HE2	9	0.13
(1,3625)	1:A:34:LEU:HA	1:A:27:LYS:HE3	9	0.13
(1,3614)	1:B:36:LYS:HG2	1:B:59:VAL:HG12	12	0.13
(1,3614)	1:B:36:LYS:HG2	1:B:59:VAL:HG11	12	0.13
(1,3614)	1:B:36:LYS:HG2	1:B:59:VAL:HG13	12	0.13
(1,3614)	1:B:36:LYS:HG3	1:B:59:VAL:HG12	12	0.13
(1,3614)	1:B:36:LYS:HG3	1:B:59:VAL:HG11	12	0.13
(1,3614)	1:B:36:LYS:HG3	1:B:59:VAL:HG13	12	0.13
(1,3614)	1:B:52:LYS:HG2	1:B:47:LEU:HG	12	0.13
(1,3614)	1:B:52:LYS:HG3	1:B:47:LEU:HG	12	0.13
(1,3614)	1:B:52:LYS:HG2	1:B:59:VAL:HG12	12	0.13
(1,3614)	1:B:52:LYS:HG2	1:B:59:VAL:HG11	12	0.13
(1,3614)	1:B:52:LYS:HG2	1:B:59:VAL:HG13	12	0.13
(1,3614)	1:B:52:LYS:HG3	1:B:59:VAL:HG12	12	0.13
(1,3614)	1:B:52:LYS:HG3	1:B:59:VAL:HG11	12	0.13
(1,3614)	1:B:52:LYS:HG3	1:B:59:VAL:HG13	12	0.13
(1,3614)	1:B:36:LYS:HG2	1:B:59:VAL:HG12	13	0.13
(1,3614)	1:B:36:LYS:HG2	1:B:59:VAL:HG11	13	0.13
(1,3614)	1:B:36:LYS:HG2	1:B:59:VAL:HG13	13	0.13
(1,3614)	1:B:36:LYS:HG3	1:B:59:VAL:HG12	13	0.13
(1,3614)	1:B:36:LYS:HG3	1:B:59:VAL:HG11	13	0.13
(1,3614)	1:B:36:LYS:HG3	1:B:59:VAL:HG13	13	0.13
(1,3614)	1:B:52:LYS:HG2	1:B:47:LEU:HG	13	0.13
(1,3614)	1:B:52:LYS:HG3	1:B:47:LEU:HG	13	0.13
(1,3614)	1:B:52:LYS:HG2	1:B:59:VAL:HG12	13	0.13
(1,3614)	1:B:52:LYS:HG2	1:B:59:VAL:HG11	13	0.13
(1,3614)	1:B:52:LYS:HG2	1:B:59:VAL:HG13	13	0.13
(1,3614)	1:B:52:LYS:HG3	1:B:59:VAL:HG12	13	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3614)	1:B:52:LYS:HG3	1:B:59:VAL:HG11	13	0.13
(1,3614)	1:B:52:LYS:HG3	1:B:59:VAL:HG13	13	0.13
(1,3613)	1:A:36:LYS:HG2	1:A:59:VAL:HG12	12	0.13
(1,3613)	1:A:36:LYS:HG2	1:A:59:VAL:HG11	12	0.13
(1,3613)	1:A:36:LYS:HG2	1:A:59:VAL:HG13	12	0.13
(1,3613)	1:A:36:LYS:HG3	1:A:59:VAL:HG12	12	0.13
(1,3613)	1:A:36:LYS:HG3	1:A:59:VAL:HG11	12	0.13
(1,3613)	1:A:36:LYS:HG3	1:A:59:VAL:HG13	12	0.13
(1,3613)	1:A:52:LYS:HG2	1:A:47:LEU:HG	12	0.13
(1,3613)	1:A:52:LYS:HG3	1:A:47:LEU:HG	12	0.13
(1,3613)	1:A:52:LYS:HG2	1:A:59:VAL:HG12	12	0.13
(1,3613)	1:A:52:LYS:HG2	1:A:59:VAL:HG11	12	0.13
(1,3613)	1:A:52:LYS:HG2	1:A:59:VAL:HG13	12	0.13
(1,3613)	1:A:52:LYS:HG3	1:A:59:VAL:HG12	12	0.13
(1,3613)	1:A:52:LYS:HG3	1:A:59:VAL:HG11	12	0.13
(1,3613)	1:A:52:LYS:HG3	1:A:59:VAL:HG13	12	0.13
(1,3613)	1:A:36:LYS:HG2	1:A:59:VAL:HG12	13	0.13
(1,3613)	1:A:36:LYS:HG2	1:A:59:VAL:HG11	13	0.13
(1,3613)	1:A:36:LYS:HG2	1:A:59:VAL:HG13	13	0.13
(1,3613)	1:A:36:LYS:HG3	1:A:59:VAL:HG12	13	0.13
(1,3613)	1:A:36:LYS:HG3	1:A:59:VAL:HG11	13	0.13
(1,3613)	1:A:36:LYS:HG3	1:A:59:VAL:HG13	13	0.13
(1,3613)	1:A:52:LYS:HG2	1:A:47:LEU:HG	13	0.13
(1,3613)	1:A:52:LYS:HG3	1:A:47:LEU:HG	13	0.13
(1,3613)	1:A:52:LYS:HG2	1:A:59:VAL:HG12	13	0.13
(1,3613)	1:A:52:LYS:HG2	1:A:59:VAL:HG11	13	0.13
(1,3613)	1:A:52:LYS:HG2	1:A:59:VAL:HG13	13	0.13
(1,3613)	1:A:52:LYS:HG3	1:A:59:VAL:HG12	13	0.13
(1,3613)	1:A:52:LYS:HG3	1:A:59:VAL:HG11	13	0.13
(1,3613)	1:A:52:LYS:HG3	1:A:59:VAL:HG13	13	0.13
(1,3506)	1:B:69:THR:HB	1:B:65:LYS:HE2	18	0.13
(1,3506)	1:B:69:THR:HB	1:B:65:LYS:HE3	18	0.13
(1,3506)	1:B:69:THR:HB	1:B:68:ASP:HB2	18	0.13
(1,3506)	1:B:69:THR:HB	1:B:82:ASN:HB2	18	0.13
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD22	2	0.13
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD21	2	0.13
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD23	2	0.13
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD22	2	0.13
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD21	2	0.13
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD23	2	0.13
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD22	5	0.13
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD21	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3488)	1:B:10:THR:HB	1:A:81:LEU:HD23	5	0.13
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD22	5	0.13
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD21	5	0.13
(1,3488)	1:B:10:THR:HB	1:A:87:LEU:HD23	5	0.13
(1,3474)	1:B:11:GLU:H	1:B:17:LEU:HG	2	0.13
(1,3474)	1:B:17:LEU:HG	1:B:21:PHE:H	2	0.13
(1,3474)	1:B:17:LEU:HG	1:A:11:GLU:H	2	0.13
(1,3473)	1:A:11:GLU:H	1:A:17:LEU:HG	2	0.13
(1,3473)	1:A:17:LEU:HG	1:A:21:PHE:H	2	0.13
(1,3473)	1:A:17:LEU:HG	1:B:11:GLU:H	2	0.13
(1,3458)	1:B:11:GLU:HA	1:B:12:ARG:HD2	2	0.13
(1,3458)	1:B:11:GLU:HA	1:B:12:ARG:HD3	2	0.13
(1,3458)	1:B:11:GLU:HA	1:A:50:PHE:HB2	2	0.13
(1,3458)	1:B:11:GLU:HA	1:A:50:PHE:HB3	2	0.13
(1,3457)	1:A:11:GLU:HA	1:A:12:ARG:HD2	13	0.13
(1,3457)	1:A:11:GLU:HA	1:A:12:ARG:HD3	13	0.13
(1,3457)	1:A:11:GLU:HA	1:B:50:PHE:HB2	13	0.13
(1,3457)	1:A:11:GLU:HA	1:B:50:PHE:HB3	13	0.13
(1,3424)	1:B:60:LEU:HB2	1:B:37:THR:HA	4	0.13
(1,3424)	1:B:60:LEU:HB2	1:B:52:LYS:HA	4	0.13
(1,3424)	1:B:60:LEU:HB2	1:B:62:ARG:HA	4	0.13
(1,3424)	1:B:60:LEU:HB2	1:B:63:MET:HA	4	0.13
(1,3424)	1:B:60:LEU:HB2	1:B:37:THR:HA	18	0.13
(1,3424)	1:B:60:LEU:HB2	1:B:52:LYS:HA	18	0.13
(1,3424)	1:B:60:LEU:HB2	1:B:62:ARG:HA	18	0.13
(1,3424)	1:B:60:LEU:HB2	1:B:63:MET:HA	18	0.13
(1,3423)	1:A:60:LEU:HB2	1:A:37:THR:HA	4	0.13
(1,3423)	1:A:60:LEU:HB2	1:A:52:LYS:HA	4	0.13
(1,3423)	1:A:60:LEU:HB2	1:A:62:ARG:HA	4	0.13
(1,3423)	1:A:60:LEU:HB2	1:A:63:MET:HA	4	0.13
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD22	3	0.13
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD21	3	0.13
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD23	3	0.13
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD22	4	0.13
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD21	4	0.13
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD23	4	0.13
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD22	5	0.13
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD21	5	0.13
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD23	5	0.13
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD22	19	0.13
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD21	19	0.13
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD23	19	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3416)	1:B:83:LEU:HG	1:B:66:LYS:HE2	9	0.13
(1,3416)	1:B:83:LEU:HG	1:B:66:LYS:HE3	9	0.13
(1,3416)	1:B:83:LEU:HG	1:B:80:PHE:HB3	9	0.13
(1,3416)	1:B:83:LEU:HG	1:B:82:ASN:HB2	9	0.13
(1,3415)	1:A:83:LEU:HG	1:A:66:LYS:HE2	9	0.13
(1,3415)	1:A:83:LEU:HG	1:A:66:LYS:HE3	9	0.13
(1,3415)	1:A:83:LEU:HG	1:A:80:PHE:HB3	9	0.13
(1,3415)	1:A:83:LEU:HG	1:A:82:ASN:HB2	9	0.13
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD22	5	0.13
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD21	5	0.13
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD23	5	0.13
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD22	15	0.13
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD21	15	0.13
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD23	15	0.13
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD22	19	0.13
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD21	19	0.13
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD23	19	0.13
(1,3384)	1:B:20:VAL:HG12	1:A:10:THR:HA	6	0.13
(1,3384)	1:B:20:VAL:HG11	1:A:10:THR:HA	6	0.13
(1,3384)	1:B:20:VAL:HG13	1:A:10:THR:HA	6	0.13
(1,3384)	1:B:20:VAL:HG12	1:A:10:THR:HB	6	0.13
(1,3384)	1:B:20:VAL:HG11	1:A:10:THR:HB	6	0.13
(1,3384)	1:B:20:VAL:HG13	1:A:10:THR:HB	6	0.13
(1,3383)	1:A:20:VAL:HG12	1:B:10:THR:HA	6	0.13
(1,3383)	1:A:20:VAL:HG11	1:B:10:THR:HA	6	0.13
(1,3383)	1:A:20:VAL:HG13	1:B:10:THR:HA	6	0.13
(1,3383)	1:A:20:VAL:HG12	1:B:10:THR:HB	6	0.13
(1,3383)	1:A:20:VAL:HG11	1:B:10:THR:HB	6	0.13
(1,3383)	1:A:20:VAL:HG13	1:B:10:THR:HB	6	0.13
(1,3170)	1:B:23:LYS:H	1:B:23:LYS:HD2	1	0.13
(1,3170)	1:B:23:LYS:H	1:B:23:LYS:HD3	1	0.13
(1,3170)	1:B:23:LYS:H	1:B:23:LYS:HD2	19	0.13
(1,3170)	1:B:23:LYS:H	1:B:23:LYS:HD3	19	0.13
(1,3169)	1:A:23:LYS:H	1:A:23:LYS:HD2	19	0.13
(1,3169)	1:A:23:LYS:H	1:A:23:LYS:HD3	19	0.13
(1,3166)	1:B:82:ASN:H	1:B:82:ASN:HB3	8	0.13
(1,3166)	1:B:82:ASN:H	1:B:82:ASN:HB3	10	0.13
(1,3165)	1:A:82:ASN:H	1:A:82:ASN:HB3	8	0.13
(1,3165)	1:A:82:ASN:H	1:A:82:ASN:HB3	10	0.13
(1,3102)	1:B:9:GLU:H	1:B:8:THR:HG21	6	0.13
(1,3102)	1:B:9:GLU:H	1:B:8:THR:HG22	6	0.13
(1,3102)	1:B:9:GLU:H	1:B:8:THR:HG23	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3101)	1:A:9:GLU:H	1:A:8:THR:HG21	6	0.13
(1,3101)	1:A:9:GLU:H	1:A:8:THR:HG22	6	0.13
(1,3101)	1:A:9:GLU:H	1:A:8:THR:HG23	6	0.13
(1,304)	1:B:22:GLN:HB2	1:B:18:ILE:H	1	0.13
(1,304)	1:B:22:GLN:HB3	1:B:18:ILE:H	1	0.13
(1,304)	1:B:22:GLN:HB2	1:B:18:ILE:H	11	0.13
(1,304)	1:B:22:GLN:HB3	1:B:18:ILE:H	11	0.13
(1,303)	1:A:22:GLN:HB2	1:A:18:ILE:H	1	0.13
(1,303)	1:A:22:GLN:HB3	1:A:18:ILE:H	1	0.13
(1,303)	1:A:22:GLN:HB2	1:A:18:ILE:H	11	0.13
(1,303)	1:A:22:GLN:HB3	1:A:18:ILE:H	11	0.13
(1,280)	1:B:17:LEU:HB2	1:B:21:PHE:H	18	0.13
(1,279)	1:A:17:LEU:HB2	1:A:21:PHE:H	18	0.13
(1,2760)	1:B:34:LEU:H	1:B:34:LEU:HD22	10	0.13
(1,2760)	1:B:34:LEU:H	1:B:34:LEU:HD21	10	0.13
(1,2760)	1:B:34:LEU:H	1:B:34:LEU:HD23	10	0.13
(1,2759)	1:A:34:LEU:H	1:A:34:LEU:HD22	10	0.13
(1,2759)	1:A:34:LEU:H	1:A:34:LEU:HD21	10	0.13
(1,2759)	1:A:34:LEU:H	1:A:34:LEU:HD23	10	0.13
(1,2692)	1:B:94:SER:H	1:B:91:CYS:H	14	0.13
(1,2691)	1:A:94:SER:H	1:A:91:CYS:H	14	0.13
(1,2656)	1:B:8:THR:H	1:B:11:GLU:HA	5	0.13
(1,2655)	1:A:8:THR:H	1:A:11:GLU:HA	5	0.13
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD22	8	0.13
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD21	8	0.13
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD23	8	0.13
(1,2635)	1:A:43:MET:H	1:A:34:LEU:HD22	8	0.13
(1,2635)	1:A:43:MET:H	1:A:34:LEU:HD21	8	0.13
(1,2635)	1:A:43:MET:H	1:A:34:LEU:HD23	8	0.13
(1,2630)	1:B:69:THR:H	1:B:67:LEU:HB2	10	0.13
(1,2630)	1:B:69:THR:H	1:B:67:LEU:HB2	20	0.13
(1,2629)	1:A:69:THR:H	1:A:67:LEU:HB2	10	0.13
(1,2629)	1:A:69:THR:H	1:A:67:LEU:HB2	20	0.13
(1,2591)	1:A:26:GLY:H	1:A:24:TYR:HB3	8	0.13
(1,2591)	1:A:26:GLY:H	1:A:24:TYR:HB3	13	0.13
(1,2554)	1:B:38:GLU:H	1:B:40:LEU:HD22	2	0.13
(1,2554)	1:B:38:GLU:H	1:B:40:LEU:HD21	2	0.13
(1,2554)	1:B:38:GLU:H	1:B:40:LEU:HD23	2	0.13
(1,2554)	1:B:38:GLU:H	1:B:40:LEU:HD22	3	0.13
(1,2554)	1:B:38:GLU:H	1:B:40:LEU:HD21	3	0.13
(1,2554)	1:B:38:GLU:H	1:B:40:LEU:HD23	3	0.13
(1,2553)	1:A:38:GLU:H	1:A:40:LEU:HD22	2	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2553)	1:A:38:GLU:H	1:A:40:LEU:HD21	2	0.13
(1,2553)	1:A:38:GLU:H	1:A:40:LEU:HD23	2	0.13
(1,2553)	1:A:38:GLU:H	1:A:40:LEU:HD22	3	0.13
(1,2553)	1:A:38:GLU:H	1:A:40:LEU:HD21	3	0.13
(1,2553)	1:A:38:GLU:H	1:A:40:LEU:HD23	3	0.13
(1,2505)	1:A:37:THR:H	1:A:34:LEU:HD22	10	0.13
(1,2505)	1:A:37:THR:H	1:A:34:LEU:HD21	10	0.13
(1,2505)	1:A:37:THR:H	1:A:34:LEU:HD23	10	0.13
(1,2280)	1:B:12:ARG:HB2	1:B:12:ARG:HD2	6	0.13
(1,2280)	1:B:12:ARG:HB2	1:B:12:ARG:HD3	6	0.13
(1,2280)	1:B:12:ARG:HB3	1:B:12:ARG:HD2	6	0.13
(1,2280)	1:B:12:ARG:HB3	1:B:12:ARG:HD3	6	0.13
(1,2150)	1:B:23:LYS:HG2	1:B:23:LYS:HE2	17	0.13
(1,2150)	1:B:23:LYS:HG2	1:B:23:LYS:HE3	17	0.13
(1,202)	1:B:33:THR:HA	1:B:75:LEU:HA	14	0.13
(1,201)	1:A:33:THR:HA	1:A:75:LEU:HA	14	0.13
(1,1924)	1:B:62:ARG:HG3	1:B:62:ARG:HA	10	0.13
(1,1923)	1:A:62:ARG:HG3	1:A:62:ARG:HA	10	0.13
(1,192)	1:B:67:LEU:HB2	1:B:63:MET:HB2	2	0.13
(1,191)	1:A:67:LEU:HB2	1:A:63:MET:HB2	2	0.13
(1,1848)	1:B:59:VAL:HG22	1:B:60:LEU:HA	1	0.13
(1,1848)	1:B:59:VAL:HG21	1:B:60:LEU:HA	1	0.13
(1,1848)	1:B:59:VAL:HG23	1:B:60:LEU:HA	1	0.13
(1,1848)	1:B:59:VAL:HG22	1:B:60:LEU:HA	3	0.13
(1,1848)	1:B:59:VAL:HG21	1:B:60:LEU:HA	3	0.13
(1,1848)	1:B:59:VAL:HG23	1:B:60:LEU:HA	3	0.13
(1,1848)	1:B:59:VAL:HG22	1:B:60:LEU:HA	7	0.13
(1,1848)	1:B:59:VAL:HG21	1:B:60:LEU:HA	7	0.13
(1,1848)	1:B:59:VAL:HG23	1:B:60:LEU:HA	7	0.13
(1,1848)	1:B:59:VAL:HG22	1:B:60:LEU:HA	8	0.13
(1,1848)	1:B:59:VAL:HG21	1:B:60:LEU:HA	8	0.13
(1,1848)	1:B:59:VAL:HG23	1:B:60:LEU:HA	8	0.13
(1,1847)	1:A:59:VAL:HG22	1:A:60:LEU:HA	1	0.13
(1,1847)	1:A:59:VAL:HG21	1:A:60:LEU:HA	1	0.13
(1,1847)	1:A:59:VAL:HG23	1:A:60:LEU:HA	1	0.13
(1,1847)	1:A:59:VAL:HG22	1:A:60:LEU:HA	7	0.13
(1,1847)	1:A:59:VAL:HG21	1:A:60:LEU:HA	7	0.13
(1,1847)	1:A:59:VAL:HG23	1:A:60:LEU:HA	7	0.13
(1,1847)	1:A:59:VAL:HG22	1:A:60:LEU:HA	8	0.13
(1,1847)	1:A:59:VAL:HG21	1:A:60:LEU:HA	8	0.13
(1,1847)	1:A:59:VAL:HG23	1:A:60:LEU:HA	8	0.13
(1,1739)	1:A:23:LYS:HE2	1:B:8:THR:HB	15	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1739)	1:A:23:LYS:HE3	1:B:8:THR:HB	15	0.13
(1,167)	1:A:76:ASP:HB2	1:A:75:LEU:HA	19	0.13
(1,1638)	1:B:38:GLU:HA	1:B:27:LYS:HD2	14	0.13
(1,1638)	1:B:38:GLU:HA	1:B:27:LYS:HD3	14	0.13
(1,1637)	1:A:38:GLU:HA	1:A:27:LYS:HD2	14	0.13
(1,1637)	1:A:38:GLU:HA	1:A:27:LYS:HD3	14	0.13
(1,1626)	1:B:102:GLN:H	1:B:100:PRO:HA	5	0.13
(1,1625)	1:A:102:GLN:H	1:A:100:PRO:HA	5	0.13
(1,1608)	1:B:47:LEU:HB2	1:B:50:PHE:HB2	11	0.13
(1,1608)	1:B:47:LEU:HB2	1:B:50:PHE:HB3	11	0.13
(1,1606)	1:B:74:GLN:HG2	1:B:33:THR:HG21	16	0.13
(1,1606)	1:B:74:GLN:HG2	1:B:33:THR:HG22	16	0.13
(1,1606)	1:B:74:GLN:HG2	1:B:33:THR:HG23	16	0.13
(1,1606)	1:B:74:GLN:HG3	1:B:33:THR:HG21	16	0.13
(1,1606)	1:B:74:GLN:HG3	1:B:33:THR:HG22	16	0.13
(1,1606)	1:B:74:GLN:HG3	1:B:33:THR:HG23	16	0.13
(1,1605)	1:A:74:GLN:HG2	1:A:33:THR:HG21	16	0.13
(1,1605)	1:A:74:GLN:HG2	1:A:33:THR:HG22	16	0.13
(1,1605)	1:A:74:GLN:HG2	1:A:33:THR:HG23	16	0.13
(1,1605)	1:A:74:GLN:HG3	1:A:33:THR:HG21	16	0.13
(1,1605)	1:A:74:GLN:HG3	1:A:33:THR:HG22	16	0.13
(1,1605)	1:A:74:GLN:HG3	1:A:33:THR:HG23	16	0.13
(1,1222)	1:B:89:MET:HG2	1:B:88:ALA:HB2	5	0.13
(1,1222)	1:B:89:MET:HG2	1:B:88:ALA:HB1	5	0.13
(1,1222)	1:B:89:MET:HG2	1:B:88:ALA:HB3	5	0.13
(1,1222)	1:B:89:MET:HG2	1:B:88:ALA:HB2	11	0.13
(1,1222)	1:B:89:MET:HG2	1:B:88:ALA:HB1	11	0.13
(1,1222)	1:B:89:MET:HG2	1:B:88:ALA:HB3	11	0.13
(1,1221)	1:A:89:MET:HG2	1:A:88:ALA:HB2	3	0.13
(1,1221)	1:A:89:MET:HG2	1:A:88:ALA:HB1	3	0.13
(1,1221)	1:A:89:MET:HG2	1:A:88:ALA:HB3	3	0.13
(1,1221)	1:A:89:MET:HG2	1:A:88:ALA:HB2	5	0.13
(1,1221)	1:A:89:MET:HG2	1:A:88:ALA:HB1	5	0.13
(1,1221)	1:A:89:MET:HG2	1:A:88:ALA:HB3	5	0.13
(1,1221)	1:A:89:MET:HG2	1:A:88:ALA:HB2	6	0.13
(1,1221)	1:A:89:MET:HG2	1:A:88:ALA:HB1	6	0.13
(1,1221)	1:A:89:MET:HG2	1:A:88:ALA:HB3	6	0.13
(1,1221)	1:A:89:MET:HG2	1:A:88:ALA:HB2	11	0.13
(1,1221)	1:A:89:MET:HG2	1:A:88:ALA:HB1	11	0.13
(1,1221)	1:A:89:MET:HG2	1:A:88:ALA:HB3	11	0.13
(3,78)	1:B:24:TYR:H	1:B:20:VAL:O	14	0.12
(3,49)	1:A:92:HIS:N	1:A:88:ALA:O	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,20)	1:A:24:TYR:H	1:A:20:VAL:O	14	0.12
(3,107)	1:B:92:HIS:N	1:B:88:ALA:O	1	0.12
(3,107)	1:B:92:HIS:N	1:B:88:ALA:O	4	0.12
(3,107)	1:B:92:HIS:N	1:B:88:ALA:O	15	0.12
(3,107)	1:B:92:HIS:N	1:B:88:ALA:O	19	0.12
(2,57)	1:A:8:THR:HB	1:B:45:THR:HB	1	0.12
(2,32)	1:B:38:GLU:HA	1:B:34:LEU:HA	18	0.12
(2,31)	1:A:38:GLU:HA	1:A:34:LEU:HA	8	0.12
(2,31)	1:A:38:GLU:HA	1:A:34:LEU:HA	18	0.12
(2,28)	1:B:16:SER:HA	1:B:21:PHE:H	1	0.12
(2,27)	1:A:16:SER:HA	1:A:21:PHE:H	1	0.12
(2,180)	1:B:13:CYS:H	1:B:11:GLU:HG2	5	0.12
(2,180)	1:B:13:CYS:H	1:B:11:GLU:HG2	6	0.12
(2,180)	1:B:13:CYS:H	1:B:11:GLU:HG2	14	0.12
(2,179)	1:A:13:CYS:H	1:A:11:GLU:HG2	6	0.12
(2,179)	1:A:13:CYS:H	1:A:11:GLU:HG2	14	0.12
(1,988)	1:B:87:LEU:HB2	1:B:86:GLY:H	8	0.12
(1,988)	1:B:87:LEU:HB2	1:B:86:GLY:H	15	0.12
(1,987)	1:A:87:LEU:HB2	1:A:86:GLY:H	15	0.12
(1,90)	1:B:15:GLU:HB2	1:A:9:GLU:HG2	5	0.12
(1,90)	1:B:15:GLU:HB2	1:A:9:GLU:HG3	5	0.12
(1,90)	1:B:15:GLU:HB3	1:A:9:GLU:HG2	5	0.12
(1,90)	1:B:15:GLU:HB3	1:A:9:GLU:HG3	5	0.12
(1,89)	1:A:15:GLU:HB2	1:B:9:GLU:HG2	5	0.12
(1,89)	1:A:15:GLU:HB2	1:B:9:GLU:HG3	5	0.12
(1,89)	1:A:15:GLU:HB3	1:B:9:GLU:HG2	5	0.12
(1,89)	1:A:15:GLU:HB3	1:B:9:GLU:HG3	5	0.12
(1,89)	1:A:15:GLU:HB2	1:B:9:GLU:HG2	14	0.12
(1,89)	1:A:15:GLU:HB2	1:B:9:GLU:HG3	14	0.12
(1,89)	1:A:15:GLU:HB3	1:B:9:GLU:HG2	14	0.12
(1,89)	1:A:15:GLU:HB3	1:B:9:GLU:HG3	14	0.12
(1,88)	1:B:15:GLU:HB2	1:A:9:GLU:HG2	5	0.12
(1,88)	1:B:15:GLU:HB2	1:A:9:GLU:HG3	5	0.12
(1,88)	1:B:15:GLU:HB3	1:A:9:GLU:HG2	5	0.12
(1,88)	1:B:15:GLU:HB3	1:A:9:GLU:HG3	5	0.12
(1,87)	1:A:15:GLU:HB2	1:B:9:GLU:HG2	5	0.12
(1,87)	1:A:15:GLU:HB2	1:B:9:GLU:HG3	5	0.12
(1,87)	1:A:15:GLU:HB3	1:B:9:GLU:HG2	5	0.12
(1,87)	1:A:15:GLU:HB3	1:B:9:GLU:HG3	5	0.12
(1,87)	1:A:15:GLU:HB2	1:B:9:GLU:HG2	14	0.12
(1,87)	1:A:15:GLU:HB2	1:B:9:GLU:HG3	14	0.12
(1,87)	1:A:15:GLU:HB3	1:B:9:GLU:HG2	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,87)	1:A:15:GLU:HB3	1:B:9:GLU:HG3	14	0.12
(1,816)	1:B:9:GLU:HG2	1:B:10:THR:HG21	6	0.12
(1,816)	1:B:9:GLU:HG2	1:B:10:THR:HG22	6	0.12
(1,816)	1:B:9:GLU:HG2	1:B:10:THR:HG23	6	0.12
(1,816)	1:B:9:GLU:HG3	1:B:10:THR:HG21	6	0.12
(1,816)	1:B:9:GLU:HG3	1:B:10:THR:HG22	6	0.12
(1,816)	1:B:9:GLU:HG3	1:B:10:THR:HG23	6	0.12
(1,815)	1:A:9:GLU:HG2	1:A:10:THR:HG21	6	0.12
(1,815)	1:A:9:GLU:HG2	1:A:10:THR:HG22	6	0.12
(1,815)	1:A:9:GLU:HG2	1:A:10:THR:HG23	6	0.12
(1,815)	1:A:9:GLU:HG3	1:A:10:THR:HG21	6	0.12
(1,815)	1:A:9:GLU:HG3	1:A:10:THR:HG22	6	0.12
(1,815)	1:A:9:GLU:HG3	1:A:10:THR:HG23	6	0.12
(1,686)	1:B:84:ILE:HB	1:B:83:LEU:HG	3	0.12
(1,685)	1:A:84:ILE:HB	1:A:83:LEU:HG	3	0.12
(1,674)	1:B:13:CYS:HB2	1:B:14:ILE:HG12	9	0.12
(1,674)	1:B:13:CYS:HB2	1:B:14:ILE:HG13	9	0.12
(1,673)	1:A:13:CYS:HB2	1:A:14:ILE:HG12	9	0.12
(1,673)	1:A:13:CYS:HB2	1:A:14:ILE:HG13	9	0.12
(1,628)	1:B:89:MET:HG2	1:A:81:LEU:HG	17	0.12
(1,628)	1:B:89:MET:HG2	1:A:81:LEU:HG	20	0.12
(1,627)	1:A:89:MET:HG2	1:B:81:LEU:HG	9	0.12
(1,627)	1:A:89:MET:HG2	1:B:81:LEU:HG	20	0.12
(1,566)	1:B:25:ALA:HB2	1:B:33:THR:HG21	3	0.12
(1,566)	1:B:25:ALA:HB2	1:B:33:THR:HG22	3	0.12
(1,566)	1:B:25:ALA:HB2	1:B:33:THR:HG23	3	0.12
(1,566)	1:B:25:ALA:HB1	1:B:33:THR:HG21	3	0.12
(1,566)	1:B:25:ALA:HB1	1:B:33:THR:HG22	3	0.12
(1,566)	1:B:25:ALA:HB1	1:B:33:THR:HG23	3	0.12
(1,566)	1:B:25:ALA:HB3	1:B:33:THR:HG21	3	0.12
(1,566)	1:B:25:ALA:HB3	1:B:33:THR:HG22	3	0.12
(1,566)	1:B:25:ALA:HB3	1:B:33:THR:HG23	3	0.12
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD22	10	0.12
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD21	10	0.12
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD23	10	0.12
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD12	10	0.12
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD11	10	0.12
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD13	10	0.12
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD22	10	0.12
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD21	10	0.12
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD23	10	0.12
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD12	10	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD11	10	0.12
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD13	10	0.12
(1,565)	1:A:25:ALA:HB2	1:A:33:THR:HG21	3	0.12
(1,565)	1:A:25:ALA:HB2	1:A:33:THR:HG22	3	0.12
(1,565)	1:A:25:ALA:HB2	1:A:33:THR:HG23	3	0.12
(1,565)	1:A:25:ALA:HB1	1:A:33:THR:HG21	3	0.12
(1,565)	1:A:25:ALA:HB1	1:A:33:THR:HG22	3	0.12
(1,565)	1:A:25:ALA:HB1	1:A:33:THR:HG23	3	0.12
(1,565)	1:A:25:ALA:HB3	1:A:33:THR:HG21	3	0.12
(1,565)	1:A:25:ALA:HB3	1:A:33:THR:HG22	3	0.12
(1,565)	1:A:25:ALA:HB3	1:A:33:THR:HG23	3	0.12
(1,5622)	1:B:47:LEU:H	1:B:45:THR:HG21	8	0.12
(1,5622)	1:B:47:LEU:H	1:B:45:THR:HG22	8	0.12
(1,5622)	1:B:47:LEU:H	1:B:45:THR:HG23	8	0.12
(1,5622)	1:B:47:LEU:H	1:B:48:ALA:HB2	8	0.12
(1,5622)	1:B:47:LEU:H	1:B:48:ALA:HB1	8	0.12
(1,5622)	1:B:47:LEU:H	1:B:48:ALA:HB3	8	0.12
(1,5621)	1:A:47:LEU:H	1:A:45:THR:HG21	8	0.12
(1,5621)	1:A:47:LEU:H	1:A:45:THR:HG22	8	0.12
(1,5621)	1:A:47:LEU:H	1:A:45:THR:HG23	8	0.12
(1,5621)	1:A:47:LEU:H	1:A:48:ALA:HB2	8	0.12
(1,5621)	1:A:47:LEU:H	1:A:48:ALA:HB1	8	0.12
(1,5621)	1:A:47:LEU:H	1:A:48:ALA:HB3	8	0.12
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG22	5	0.12
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG21	5	0.12
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG23	5	0.12
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG12	5	0.12
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG11	5	0.12
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG13	5	0.12
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG22	7	0.12
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG21	7	0.12
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG23	7	0.12
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG12	7	0.12
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG11	7	0.12
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG13	7	0.12
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG22	18	0.12
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG21	18	0.12
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG23	18	0.12
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG12	18	0.12
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG11	18	0.12
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG13	18	0.12
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG22	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG21	20	0.12
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG23	20	0.12
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG12	20	0.12
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG11	20	0.12
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG13	20	0.12
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG22	5	0.12
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG21	5	0.12
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG23	5	0.12
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG12	5	0.12
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG11	5	0.12
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG13	5	0.12
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG22	7	0.12
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG21	7	0.12
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG23	7	0.12
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG12	7	0.12
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG11	7	0.12
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG13	7	0.12
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG22	18	0.12
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG21	18	0.12
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG23	18	0.12
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG12	18	0.12
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG11	18	0.12
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG13	18	0.12
(1,5530)	1:B:36:LYS:H	1:B:40:LEU:HD22	4	0.12
(1,5530)	1:B:36:LYS:H	1:B:40:LEU:HD21	4	0.12
(1,5530)	1:B:36:LYS:H	1:B:40:LEU:HD23	4	0.12
(1,5530)	1:B:39:PHE:H	1:B:40:LEU:HD22	4	0.12
(1,5530)	1:B:39:PHE:H	1:B:40:LEU:HD21	4	0.12
(1,5530)	1:B:39:PHE:H	1:B:40:LEU:HD23	4	0.12
(1,5530)	1:B:36:LYS:H	1:B:40:LEU:HD22	6	0.12
(1,5530)	1:B:36:LYS:H	1:B:40:LEU:HD21	6	0.12
(1,5530)	1:B:36:LYS:H	1:B:40:LEU:HD23	6	0.12
(1,5530)	1:B:39:PHE:H	1:B:40:LEU:HD22	6	0.12
(1,5530)	1:B:39:PHE:H	1:B:40:LEU:HD21	6	0.12
(1,5530)	1:B:39:PHE:H	1:B:40:LEU:HD23	6	0.12
(1,5529)	1:A:36:LYS:H	1:A:40:LEU:HD22	4	0.12
(1,5529)	1:A:36:LYS:H	1:A:40:LEU:HD21	4	0.12
(1,5529)	1:A:36:LYS:H	1:A:40:LEU:HD23	4	0.12
(1,5529)	1:A:39:PHE:H	1:A:40:LEU:HD22	4	0.12
(1,5529)	1:A:39:PHE:H	1:A:40:LEU:HD21	4	0.12
(1,5529)	1:A:39:PHE:H	1:A:40:LEU:HD23	4	0.12
(1,5529)	1:A:36:LYS:H	1:A:40:LEU:HD22	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5529)	1:A:36:LYS:H	1:A:40:LEU:HD21	6	0.12
(1,5529)	1:A:36:LYS:H	1:A:40:LEU:HD23	6	0.12
(1,5529)	1:A:39:PHE:H	1:A:40:LEU:HD22	6	0.12
(1,5529)	1:A:39:PHE:H	1:A:40:LEU:HD21	6	0.12
(1,5529)	1:A:39:PHE:H	1:A:40:LEU:HD23	6	0.12
(1,5500)	1:B:51:THR:H	1:B:48:ALA:HB2	10	0.12
(1,5500)	1:B:51:THR:H	1:B:48:ALA:HB1	10	0.12
(1,5500)	1:B:51:THR:H	1:B:48:ALA:HB3	10	0.12
(1,5500)	1:B:51:THR:H	1:B:49:ALA:HB2	10	0.12
(1,5500)	1:B:51:THR:H	1:B:49:ALA:HB1	10	0.12
(1,5500)	1:B:51:THR:H	1:B:49:ALA:HB3	10	0.12
(1,5499)	1:A:51:THR:H	1:A:48:ALA:HB2	10	0.12
(1,5499)	1:A:51:THR:H	1:A:48:ALA:HB1	10	0.12
(1,5499)	1:A:51:THR:H	1:A:48:ALA:HB3	10	0.12
(1,5499)	1:A:51:THR:H	1:A:49:ALA:HB2	10	0.12
(1,5499)	1:A:51:THR:H	1:A:49:ALA:HB1	10	0.12
(1,5499)	1:A:51:THR:H	1:A:49:ALA:HB3	10	0.12
(1,5496)	1:B:59:VAL:H	1:B:61:ASP:HB2	8	0.12
(1,5496)	1:B:59:VAL:H	1:B:61:ASP:HB3	8	0.12
(1,5496)	1:B:90:ALA:H	1:B:89:MET:HG2	8	0.12
(1,5496)	1:B:90:ALA:H	1:B:93:ASP:HB2	8	0.12
(1,5496)	1:B:59:VAL:H	1:B:61:ASP:HB2	9	0.12
(1,5496)	1:B:59:VAL:H	1:B:61:ASP:HB3	9	0.12
(1,5496)	1:B:90:ALA:H	1:B:89:MET:HG2	9	0.12
(1,5496)	1:B:90:ALA:H	1:B:93:ASP:HB2	9	0.12
(1,5496)	1:B:59:VAL:H	1:B:61:ASP:HB2	14	0.12
(1,5496)	1:B:59:VAL:H	1:B:61:ASP:HB3	14	0.12
(1,5496)	1:B:90:ALA:H	1:B:89:MET:HG2	14	0.12
(1,5496)	1:B:90:ALA:H	1:B:93:ASP:HB2	14	0.12
(1,5495)	1:A:59:VAL:H	1:A:61:ASP:HB2	8	0.12
(1,5495)	1:A:59:VAL:H	1:A:61:ASP:HB3	8	0.12
(1,5495)	1:A:90:ALA:H	1:A:89:MET:HG2	8	0.12
(1,5495)	1:A:90:ALA:H	1:A:93:ASP:HB2	8	0.12
(1,5495)	1:A:59:VAL:H	1:A:61:ASP:HB2	9	0.12
(1,5495)	1:A:59:VAL:H	1:A:61:ASP:HB3	9	0.12
(1,5495)	1:A:90:ALA:H	1:A:89:MET:HG2	9	0.12
(1,5495)	1:A:90:ALA:H	1:A:93:ASP:HB2	9	0.12
(1,5495)	1:A:59:VAL:H	1:A:61:ASP:HB2	14	0.12
(1,5495)	1:A:59:VAL:H	1:A:61:ASP:HB3	14	0.12
(1,5495)	1:A:90:ALA:H	1:A:89:MET:HG2	14	0.12
(1,5495)	1:A:90:ALA:H	1:A:93:ASP:HB2	14	0.12
(1,5480)	1:B:86:GLY:H	1:B:67:LEU:HD22	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5480)	1:B:86:GLY:H	1:B:67:LEU:HD21	19	0.12
(1,5480)	1:B:86:GLY:H	1:B:67:LEU:HD23	19	0.12
(1,5480)	1:B:86:GLY:H	1:B:67:LEU:HD12	19	0.12
(1,5480)	1:B:86:GLY:H	1:B:67:LEU:HD11	19	0.12
(1,5480)	1:B:86:GLY:H	1:B:67:LEU:HD13	19	0.12
(1,5480)	1:B:86:GLY:H	1:B:83:LEU:HD22	19	0.12
(1,5480)	1:B:86:GLY:H	1:B:83:LEU:HD21	19	0.12
(1,5480)	1:B:86:GLY:H	1:B:83:LEU:HD23	19	0.12
(1,5479)	1:A:86:GLY:H	1:A:67:LEU:HD22	19	0.12
(1,5479)	1:A:86:GLY:H	1:A:67:LEU:HD21	19	0.12
(1,5479)	1:A:86:GLY:H	1:A:67:LEU:HD23	19	0.12
(1,5479)	1:A:86:GLY:H	1:A:67:LEU:HD12	19	0.12
(1,5479)	1:A:86:GLY:H	1:A:67:LEU:HD11	19	0.12
(1,5479)	1:A:86:GLY:H	1:A:67:LEU:HD13	19	0.12
(1,5479)	1:A:86:GLY:H	1:A:83:LEU:HD22	19	0.12
(1,5479)	1:A:86:GLY:H	1:A:83:LEU:HD21	19	0.12
(1,5479)	1:A:86:GLY:H	1:A:83:LEU:HD23	19	0.12
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG22	20	0.12
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG21	20	0.12
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HG23	20	0.12
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD12	20	0.12
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD11	20	0.12
(1,5403)	1:A:12:ARG:H	1:A:14:ILE:HD13	20	0.12
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD22	20	0.12
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD21	20	0.12
(1,5403)	1:A:12:ARG:H	1:B:47:LEU:HD23	20	0.12
(1,536)	1:B:8:THR:H	1:B:11:GLU:HB2	12	0.12
(1,536)	1:B:8:THR:H	1:B:11:GLU:HB3	12	0.12
(1,535)	1:A:8:THR:H	1:A:11:GLU:HB2	12	0.12
(1,535)	1:A:8:THR:H	1:A:11:GLU:HB3	12	0.12
(1,5331)	1:A:21:PHE:H	1:A:18:ILE:HG22	16	0.12
(1,5331)	1:A:21:PHE:H	1:A:18:ILE:HG21	16	0.12
(1,5331)	1:A:21:PHE:H	1:A:18:ILE:HG23	16	0.12
(1,5331)	1:A:21:PHE:H	1:A:81:LEU:HD22	16	0.12
(1,5331)	1:A:21:PHE:H	1:A:81:LEU:HD21	16	0.12
(1,5331)	1:A:21:PHE:H	1:A:81:LEU:HD23	16	0.12
(1,5327)	1:A:99:VAL:H	1:A:96:LEU:HD22	18	0.12
(1,5327)	1:A:99:VAL:H	1:A:96:LEU:HD21	18	0.12
(1,5327)	1:A:99:VAL:H	1:A:96:LEU:HD23	18	0.12
(1,5327)	1:A:99:VAL:H	1:A:96:LEU:HD12	18	0.12
(1,5327)	1:A:99:VAL:H	1:A:96:LEU:HD11	18	0.12
(1,5327)	1:A:99:VAL:H	1:A:96:LEU:HD13	18	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5306)	1:B:46:GLU:H	1:B:44:ASN:HB3	7	0.12
(1,5306)	1:B:81:LEU:H	1:B:82:ASN:HB3	7	0.12
(1,5306)	1:B:81:LEU:H	1:A:89:MET:HG2	7	0.12
(1,5305)	1:A:46:GLU:H	1:A:44:ASN:HB3	7	0.12
(1,5305)	1:A:81:LEU:H	1:A:82:ASN:HB3	7	0.12
(1,5305)	1:A:81:LEU:H	1:B:89:MET:HG2	7	0.12
(1,53)	1:A:83:LEU:HD22	1:B:14:ILE:HG12	4	0.12
(1,53)	1:A:83:LEU:HD22	1:B:14:ILE:HG13	4	0.12
(1,53)	1:A:83:LEU:HD21	1:B:14:ILE:HG12	4	0.12
(1,53)	1:A:83:LEU:HD21	1:B:14:ILE:HG13	4	0.12
(1,53)	1:A:83:LEU:HD23	1:B:14:ILE:HG12	4	0.12
(1,53)	1:A:83:LEU:HD23	1:B:14:ILE:HG13	4	0.12
(1,516)	1:B:8:THR:H	1:B:11:GLU:HB2	12	0.12
(1,516)	1:B:8:THR:H	1:B:11:GLU:HB3	12	0.12
(1,515)	1:A:8:THR:H	1:A:11:GLU:HB2	12	0.12
(1,515)	1:A:8:THR:H	1:A:11:GLU:HB3	12	0.12
(1,5030)	1:B:62:ARG:HG3	1:B:62:ARG:HA	3	0.12
(1,5030)	1:B:65:LYS:HG2	1:B:65:LYS:HA	3	0.12
(1,5030)	1:B:65:LYS:HG3	1:B:65:LYS:HA	3	0.12
(1,5030)	1:B:62:ARG:HG3	1:B:62:ARG:HA	13	0.12
(1,5030)	1:B:65:LYS:HG2	1:B:65:LYS:HA	13	0.12
(1,5030)	1:B:65:LYS:HG3	1:B:65:LYS:HA	13	0.12
(1,5029)	1:A:62:ARG:HG3	1:A:62:ARG:HA	3	0.12
(1,5029)	1:A:65:LYS:HG2	1:A:65:LYS:HA	3	0.12
(1,5029)	1:A:65:LYS:HG3	1:A:65:LYS:HA	3	0.12
(1,5029)	1:A:62:ARG:HG3	1:A:62:ARG:HA	13	0.12
(1,5029)	1:A:65:LYS:HG2	1:A:65:LYS:HA	13	0.12
(1,5029)	1:A:65:LYS:HG3	1:A:65:LYS:HA	13	0.12
(1,4936)	1:B:67:LEU:HD12	1:B:33:THR:HG21	1	0.12
(1,4936)	1:B:67:LEU:HD12	1:B:33:THR:HG22	1	0.12
(1,4936)	1:B:67:LEU:HD12	1:B:33:THR:HG23	1	0.12
(1,4936)	1:B:67:LEU:HD11	1:B:33:THR:HG21	1	0.12
(1,4936)	1:B:67:LEU:HD11	1:B:33:THR:HG22	1	0.12
(1,4936)	1:B:67:LEU:HD11	1:B:33:THR:HG23	1	0.12
(1,4936)	1:B:67:LEU:HD13	1:B:33:THR:HG21	1	0.12
(1,4936)	1:B:67:LEU:HD13	1:B:33:THR:HG22	1	0.12
(1,4936)	1:B:67:LEU:HD13	1:B:33:THR:HG23	1	0.12
(1,4936)	1:B:67:LEU:HD12	1:B:47:LEU:HG	1	0.12
(1,4936)	1:B:67:LEU:HD11	1:B:47:LEU:HG	1	0.12
(1,4936)	1:B:67:LEU:HD13	1:B:47:LEU:HG	1	0.12
(1,4936)	1:B:67:LEU:HD12	1:B:59:VAL:HG12	1	0.12
(1,4936)	1:B:67:LEU:HD12	1:B:59:VAL:HG11	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4936)	1:B:67:LEU:HD12	1:B:59:VAL:HG13	1	0.12
(1,4936)	1:B:67:LEU:HD11	1:B:59:VAL:HG12	1	0.12
(1,4936)	1:B:67:LEU:HD11	1:B:59:VAL:HG11	1	0.12
(1,4936)	1:B:67:LEU:HD11	1:B:59:VAL:HG13	1	0.12
(1,4936)	1:B:67:LEU:HD13	1:B:59:VAL:HG12	1	0.12
(1,4936)	1:B:67:LEU:HD13	1:B:59:VAL:HG11	1	0.12
(1,4936)	1:B:67:LEU:HD13	1:B:59:VAL:HG13	1	0.12
(1,4935)	1:A:67:LEU:HD12	1:A:33:THR:HG21	1	0.12
(1,4935)	1:A:67:LEU:HD12	1:A:33:THR:HG22	1	0.12
(1,4935)	1:A:67:LEU:HD12	1:A:33:THR:HG23	1	0.12
(1,4935)	1:A:67:LEU:HD11	1:A:33:THR:HG21	1	0.12
(1,4935)	1:A:67:LEU:HD11	1:A:33:THR:HG22	1	0.12
(1,4935)	1:A:67:LEU:HD11	1:A:33:THR:HG23	1	0.12
(1,4935)	1:A:67:LEU:HD13	1:A:33:THR:HG21	1	0.12
(1,4935)	1:A:67:LEU:HD13	1:A:33:THR:HG22	1	0.12
(1,4935)	1:A:67:LEU:HD13	1:A:33:THR:HG23	1	0.12
(1,4935)	1:A:67:LEU:HD12	1:A:47:LEU:HG	1	0.12
(1,4935)	1:A:67:LEU:HD11	1:A:47:LEU:HG	1	0.12
(1,4935)	1:A:67:LEU:HD13	1:A:47:LEU:HG	1	0.12
(1,4935)	1:A:67:LEU:HD12	1:A:59:VAL:HG12	1	0.12
(1,4935)	1:A:67:LEU:HD12	1:A:59:VAL:HG11	1	0.12
(1,4935)	1:A:67:LEU:HD12	1:A:59:VAL:HG13	1	0.12
(1,4935)	1:A:67:LEU:HD11	1:A:59:VAL:HG12	1	0.12
(1,4935)	1:A:67:LEU:HD11	1:A:59:VAL:HG11	1	0.12
(1,4935)	1:A:67:LEU:HD11	1:A:59:VAL:HG13	1	0.12
(1,4935)	1:A:67:LEU:HD13	1:A:59:VAL:HG12	1	0.12
(1,4935)	1:A:67:LEU:HD13	1:A:59:VAL:HG11	1	0.12
(1,4935)	1:A:67:LEU:HD13	1:A:59:VAL:HG13	1	0.12
(1,4882)	1:B:37:THR:HG21	1:B:40:LEU:HB2	17	0.12
(1,4882)	1:B:37:THR:HG22	1:B:40:LEU:HB2	17	0.12
(1,4882)	1:B:37:THR:HG23	1:B:40:LEU:HB2	17	0.12
(1,4882)	1:B:37:THR:HG21	1:B:40:LEU:HG	17	0.12
(1,4882)	1:B:37:THR:HG22	1:B:40:LEU:HG	17	0.12
(1,4882)	1:B:37:THR:HG23	1:B:40:LEU:HG	17	0.12
(1,4882)	1:B:37:THR:HG21	1:B:40:LEU:HB2	18	0.12
(1,4882)	1:B:37:THR:HG22	1:B:40:LEU:HB2	18	0.12
(1,4882)	1:B:37:THR:HG23	1:B:40:LEU:HB2	18	0.12
(1,4882)	1:B:37:THR:HG21	1:B:40:LEU:HG	18	0.12
(1,4882)	1:B:37:THR:HG22	1:B:40:LEU:HG	18	0.12
(1,4882)	1:B:37:THR:HG23	1:B:40:LEU:HG	18	0.12
(1,4881)	1:A:37:THR:HG21	1:A:40:LEU:HB2	17	0.12
(1,4881)	1:A:37:THR:HG22	1:A:40:LEU:HB2	17	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4881)	1:A:37:THR:HG23	1:A:40:LEU:HB2	17	0.12
(1,4881)	1:A:37:THR:HG21	1:A:40:LEU:HG	17	0.12
(1,4881)	1:A:37:THR:HG22	1:A:40:LEU:HG	17	0.12
(1,4881)	1:A:37:THR:HG23	1:A:40:LEU:HG	17	0.12
(1,4881)	1:A:37:THR:HG21	1:A:40:LEU:HB2	18	0.12
(1,4881)	1:A:37:THR:HG22	1:A:40:LEU:HB2	18	0.12
(1,4881)	1:A:37:THR:HG23	1:A:40:LEU:HB2	18	0.12
(1,4881)	1:A:37:THR:HG21	1:A:40:LEU:HG	18	0.12
(1,4881)	1:A:37:THR:HG22	1:A:40:LEU:HG	18	0.12
(1,4881)	1:A:37:THR:HG23	1:A:40:LEU:HG	18	0.12
(1,482)	1:B:8:THR:HA	1:B:10:THR:HG21	3	0.12
(1,482)	1:B:8:THR:HA	1:B:10:THR:HG22	3	0.12
(1,482)	1:B:8:THR:HA	1:B:10:THR:HG23	3	0.12
(1,481)	1:A:8:THR:HA	1:A:10:THR:HG21	3	0.12
(1,481)	1:A:8:THR:HA	1:A:10:THR:HG22	3	0.12
(1,481)	1:A:8:THR:HA	1:A:10:THR:HG23	3	0.12
(1,4780)	1:B:10:THR:HB	1:B:14:ILE:HD12	4	0.12
(1,4780)	1:B:10:THR:HB	1:B:14:ILE:HD11	4	0.12
(1,4780)	1:B:10:THR:HB	1:B:14:ILE:HD13	4	0.12
(1,4780)	1:B:14:ILE:HD12	1:A:88:ALA:HA	4	0.12
(1,4780)	1:B:14:ILE:HD11	1:A:88:ALA:HA	4	0.12
(1,4780)	1:B:14:ILE:HD13	1:A:88:ALA:HA	4	0.12
(1,4780)	1:B:10:THR:HB	1:B:14:ILE:HD12	17	0.12
(1,4780)	1:B:10:THR:HB	1:B:14:ILE:HD11	17	0.12
(1,4780)	1:B:10:THR:HB	1:B:14:ILE:HD13	17	0.12
(1,4780)	1:B:14:ILE:HD12	1:A:88:ALA:HA	17	0.12
(1,4780)	1:B:14:ILE:HD11	1:A:88:ALA:HA	17	0.12
(1,4780)	1:B:14:ILE:HD13	1:A:88:ALA:HA	17	0.12
(1,4779)	1:A:10:THR:HB	1:A:14:ILE:HD12	12	0.12
(1,4779)	1:A:10:THR:HB	1:A:14:ILE:HD11	12	0.12
(1,4779)	1:A:10:THR:HB	1:A:14:ILE:HD13	12	0.12
(1,4779)	1:A:14:ILE:HD12	1:B:88:ALA:HA	12	0.12
(1,4779)	1:A:14:ILE:HD11	1:B:88:ALA:HA	12	0.12
(1,4779)	1:A:14:ILE:HD13	1:B:88:ALA:HA	12	0.12
(1,4779)	1:A:10:THR:HB	1:A:14:ILE:HD12	17	0.12
(1,4779)	1:A:10:THR:HB	1:A:14:ILE:HD11	17	0.12
(1,4779)	1:A:10:THR:HB	1:A:14:ILE:HD13	17	0.12
(1,4779)	1:A:14:ILE:HD12	1:B:88:ALA:HA	17	0.12
(1,4779)	1:A:14:ILE:HD11	1:B:88:ALA:HA	17	0.12
(1,4779)	1:A:14:ILE:HD13	1:B:88:ALA:HA	17	0.12
(1,4742)	1:B:40:LEU:HD12	1:B:36:LYS:HA	2	0.12
(1,4742)	1:B:40:LEU:HD11	1:B:36:LYS:HA	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4742)	1:B:40:LEU:HD13	1:B:36:LYS:HA	2	0.12
(1,4742)	1:B:60:LEU:HD12	1:B:39:PHE:HA	2	0.12
(1,4742)	1:B:60:LEU:HD11	1:B:39:PHE:HA	2	0.12
(1,4742)	1:B:60:LEU:HD13	1:B:39:PHE:HA	2	0.12
(1,4742)	1:B:44:ASN:HA	1:B:60:LEU:HD12	2	0.12
(1,4742)	1:B:44:ASN:HA	1:B:60:LEU:HD11	2	0.12
(1,4742)	1:B:44:ASN:HA	1:B:60:LEU:HD13	2	0.12
(1,4742)	1:B:60:LEU:HD12	1:B:60:LEU:HA	2	0.12
(1,4742)	1:B:60:LEU:HD11	1:B:60:LEU:HA	2	0.12
(1,4742)	1:B:60:LEU:HD13	1:B:60:LEU:HA	2	0.12
(1,4742)	1:B:83:LEU:HD12	1:B:60:LEU:HA	2	0.12
(1,4742)	1:B:83:LEU:HD11	1:B:60:LEU:HA	2	0.12
(1,4742)	1:B:83:LEU:HD13	1:B:60:LEU:HA	2	0.12
(1,4742)	1:B:40:LEU:HD12	1:B:36:LYS:HA	3	0.12
(1,4742)	1:B:40:LEU:HD11	1:B:36:LYS:HA	3	0.12
(1,4742)	1:B:40:LEU:HD13	1:B:36:LYS:HA	3	0.12
(1,4742)	1:B:60:LEU:HD12	1:B:39:PHE:HA	3	0.12
(1,4742)	1:B:60:LEU:HD11	1:B:39:PHE:HA	3	0.12
(1,4742)	1:B:60:LEU:HD13	1:B:39:PHE:HA	3	0.12
(1,4742)	1:B:44:ASN:HA	1:B:60:LEU:HD12	3	0.12
(1,4742)	1:B:44:ASN:HA	1:B:60:LEU:HD11	3	0.12
(1,4742)	1:B:44:ASN:HA	1:B:60:LEU:HD13	3	0.12
(1,4742)	1:B:60:LEU:HD12	1:B:60:LEU:HA	3	0.12
(1,4742)	1:B:60:LEU:HD11	1:B:60:LEU:HA	3	0.12
(1,4742)	1:B:60:LEU:HD13	1:B:60:LEU:HA	3	0.12
(1,4742)	1:B:83:LEU:HD12	1:B:60:LEU:HA	3	0.12
(1,4742)	1:B:83:LEU:HD11	1:B:60:LEU:HA	3	0.12
(1,4742)	1:B:83:LEU:HD13	1:B:60:LEU:HA	3	0.12
(1,4741)	1:A:40:LEU:HD12	1:A:36:LYS:HA	2	0.12
(1,4741)	1:A:40:LEU:HD11	1:A:36:LYS:HA	2	0.12
(1,4741)	1:A:40:LEU:HD13	1:A:36:LYS:HA	2	0.12
(1,4741)	1:A:60:LEU:HD12	1:A:39:PHE:HA	2	0.12
(1,4741)	1:A:60:LEU:HD11	1:A:39:PHE:HA	2	0.12
(1,4741)	1:A:60:LEU:HD13	1:A:39:PHE:HA	2	0.12
(1,4741)	1:A:44:ASN:HA	1:A:60:LEU:HD12	2	0.12
(1,4741)	1:A:44:ASN:HA	1:A:60:LEU:HD11	2	0.12
(1,4741)	1:A:44:ASN:HA	1:A:60:LEU:HD13	2	0.12
(1,4741)	1:A:60:LEU:HD12	1:A:60:LEU:HA	2	0.12
(1,4741)	1:A:60:LEU:HD11	1:A:60:LEU:HA	2	0.12
(1,4741)	1:A:60:LEU:HD13	1:A:60:LEU:HA	2	0.12
(1,4741)	1:A:83:LEU:HD12	1:A:60:LEU:HA	2	0.12
(1,4741)	1:A:83:LEU:HD11	1:A:60:LEU:HA	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4741)	1:A:83:LEU:HD13	1:A:60:LEU:HA	2	0.12
(1,4741)	1:A:40:LEU:HD12	1:A:36:LYS:HA	3	0.12
(1,4741)	1:A:40:LEU:HD11	1:A:36:LYS:HA	3	0.12
(1,4741)	1:A:40:LEU:HD13	1:A:36:LYS:HA	3	0.12
(1,4741)	1:A:60:LEU:HD12	1:A:39:PHE:HA	3	0.12
(1,4741)	1:A:60:LEU:HD11	1:A:39:PHE:HA	3	0.12
(1,4741)	1:A:60:LEU:HD13	1:A:39:PHE:HA	3	0.12
(1,4741)	1:A:44:ASN:HA	1:A:60:LEU:HD12	3	0.12
(1,4741)	1:A:44:ASN:HA	1:A:60:LEU:HD11	3	0.12
(1,4741)	1:A:44:ASN:HA	1:A:60:LEU:HD13	3	0.12
(1,4741)	1:A:60:LEU:HD12	1:A:60:LEU:HA	3	0.12
(1,4741)	1:A:60:LEU:HD11	1:A:60:LEU:HA	3	0.12
(1,4741)	1:A:60:LEU:HD13	1:A:60:LEU:HA	3	0.12
(1,4741)	1:A:83:LEU:HD12	1:A:60:LEU:HA	3	0.12
(1,4741)	1:A:83:LEU:HD11	1:A:60:LEU:HA	3	0.12
(1,4741)	1:A:83:LEU:HD13	1:A:60:LEU:HA	3	0.12
(1,4670)	1:B:87:LEU:HG	1:B:47:LEU:HD12	18	0.12
(1,4670)	1:B:87:LEU:HG	1:B:47:LEU:HD11	18	0.12
(1,4670)	1:B:87:LEU:HG	1:B:47:LEU:HD13	18	0.12
(1,4670)	1:B:87:LEU:HG	1:A:14:ILE:HD12	18	0.12
(1,4670)	1:B:87:LEU:HG	1:A:14:ILE:HD11	18	0.12
(1,4670)	1:B:87:LEU:HG	1:A:14:ILE:HD13	18	0.12
(1,4669)	1:A:87:LEU:HG	1:A:47:LEU:HD12	18	0.12
(1,4669)	1:A:87:LEU:HG	1:A:47:LEU:HD11	18	0.12
(1,4669)	1:A:87:LEU:HG	1:A:47:LEU:HD13	18	0.12
(1,4669)	1:A:87:LEU:HG	1:B:14:ILE:HD12	18	0.12
(1,4669)	1:A:87:LEU:HG	1:B:14:ILE:HD11	18	0.12
(1,4669)	1:A:87:LEU:HG	1:B:14:ILE:HD13	18	0.12
(1,4652)	1:B:37:THR:HG21	1:B:41:SER:H	8	0.12
(1,4652)	1:B:37:THR:HG22	1:B:41:SER:H	8	0.12
(1,4652)	1:B:37:THR:HG23	1:B:41:SER:H	8	0.12
(1,4652)	1:B:71:SER:H	1:B:69:THR:HG21	8	0.12
(1,4652)	1:B:71:SER:H	1:B:69:THR:HG22	8	0.12
(1,4652)	1:B:71:SER:H	1:B:69:THR:HG23	8	0.12
(1,4651)	1:A:37:THR:HG21	1:A:41:SER:H	8	0.12
(1,4651)	1:A:37:THR:HG22	1:A:41:SER:H	8	0.12
(1,4651)	1:A:37:THR:HG23	1:A:41:SER:H	8	0.12
(1,4651)	1:A:71:SER:H	1:A:69:THR:HG21	8	0.12
(1,4651)	1:A:71:SER:H	1:A:69:THR:HG22	8	0.12
(1,4651)	1:A:71:SER:H	1:A:69:THR:HG23	8	0.12
(1,464)	1:B:68:ASP:HB2	1:B:33:THR:HG21	7	0.12
(1,464)	1:B:68:ASP:HB2	1:B:33:THR:HG22	7	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,464)	1:B:68:ASP:HB2	1:B:33:THR:HG23	7	0.12
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB2	2	0.12
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB1	2	0.12
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB3	2	0.12
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB2	2	0.12
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB1	2	0.12
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB3	2	0.12
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB2	3	0.12
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB1	3	0.12
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB3	3	0.12
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB2	3	0.12
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB1	3	0.12
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB3	3	0.12
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB2	6	0.12
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB1	6	0.12
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB3	6	0.12
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB2	6	0.12
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB1	6	0.12
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB3	6	0.12
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB2	11	0.12
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB1	11	0.12
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB3	11	0.12
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB2	11	0.12
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB1	11	0.12
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB3	11	0.12
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB2	15	0.12
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB1	15	0.12
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB3	15	0.12
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB2	15	0.12
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB1	15	0.12
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB3	15	0.12
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB2	2	0.12
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB1	2	0.12
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB3	2	0.12
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB2	2	0.12
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB1	2	0.12
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB3	2	0.12
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB2	3	0.12
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB1	3	0.12
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB3	3	0.12
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB2	3	0.12
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB1	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB3	3	0.12
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB2	6	0.12
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB1	6	0.12
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB3	6	0.12
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB2	6	0.12
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB1	6	0.12
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB3	6	0.12
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB2	11	0.12
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB1	11	0.12
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB3	11	0.12
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB2	11	0.12
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB1	11	0.12
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB3	11	0.12
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB2	15	0.12
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB1	15	0.12
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB3	15	0.12
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB2	15	0.12
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB1	15	0.12
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB3	15	0.12
(1,4516)	1:B:48:ALA:HA	1:B:50:PHE:HB2	13	0.12
(1,4516)	1:B:48:ALA:HA	1:B:50:PHE:HB3	13	0.12
(1,4516)	1:B:49:ALA:HA	1:B:50:PHE:HB2	13	0.12
(1,4516)	1:B:49:ALA:HA	1:B:50:PHE:HB3	13	0.12
(1,4516)	1:B:94:SER:HB2	1:B:95:PHE:HB2	13	0.12
(1,4516)	1:B:94:SER:HB2	1:B:95:PHE:HB3	13	0.12
(1,4516)	1:B:94:SER:HB3	1:B:95:PHE:HB2	13	0.12
(1,4516)	1:B:94:SER:HB3	1:B:95:PHE:HB3	13	0.12
(1,4488)	1:B:84:ILE:HB	1:B:17:LEU:HD22	2	0.12
(1,4488)	1:B:84:ILE:HB	1:B:17:LEU:HD21	2	0.12
(1,4488)	1:B:84:ILE:HB	1:B:17:LEU:HD23	2	0.12
(1,4488)	1:B:84:ILE:HB	1:B:81:LEU:HG	2	0.12
(1,4488)	1:B:84:ILE:HB	1:B:83:LEU:HD22	2	0.12
(1,4488)	1:B:84:ILE:HB	1:B:83:LEU:HD21	2	0.12
(1,4488)	1:B:84:ILE:HB	1:B:83:LEU:HD23	2	0.12
(1,4488)	1:B:84:ILE:HB	1:B:17:LEU:HD22	19	0.12
(1,4488)	1:B:84:ILE:HB	1:B:17:LEU:HD21	19	0.12
(1,4488)	1:B:84:ILE:HB	1:B:17:LEU:HD23	19	0.12
(1,4488)	1:B:84:ILE:HB	1:B:81:LEU:HG	19	0.12
(1,4488)	1:B:84:ILE:HB	1:B:83:LEU:HD22	19	0.12
(1,4488)	1:B:84:ILE:HB	1:B:83:LEU:HD21	19	0.12
(1,4488)	1:B:84:ILE:HB	1:B:83:LEU:HD23	19	0.12
(1,4462)	1:B:100:PRO:HD3	1:B:99:VAL:HG22	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4462)	1:B:100:PRO:HD3	1:B:99:VAL:HG21	1	0.12
(1,4462)	1:B:100:PRO:HD3	1:B:99:VAL:HG23	1	0.12
(1,4462)	1:B:99:VAL:HG12	1:B:100:PRO:HD3	1	0.12
(1,4462)	1:B:99:VAL:HG11	1:B:100:PRO:HD3	1	0.12
(1,4462)	1:B:99:VAL:HG13	1:B:100:PRO:HD3	1	0.12
(1,4462)	1:B:100:PRO:HD3	1:B:99:VAL:HG22	13	0.12
(1,4462)	1:B:100:PRO:HD3	1:B:99:VAL:HG21	13	0.12
(1,4462)	1:B:100:PRO:HD3	1:B:99:VAL:HG23	13	0.12
(1,4462)	1:B:99:VAL:HG12	1:B:100:PRO:HD3	13	0.12
(1,4462)	1:B:99:VAL:HG11	1:B:100:PRO:HD3	13	0.12
(1,4462)	1:B:99:VAL:HG13	1:B:100:PRO:HD3	13	0.12
(1,4461)	1:A:100:PRO:HD3	1:A:99:VAL:HG22	1	0.12
(1,4461)	1:A:100:PRO:HD3	1:A:99:VAL:HG21	1	0.12
(1,4461)	1:A:100:PRO:HD3	1:A:99:VAL:HG23	1	0.12
(1,4461)	1:A:99:VAL:HG12	1:A:100:PRO:HD3	1	0.12
(1,4461)	1:A:99:VAL:HG11	1:A:100:PRO:HD3	1	0.12
(1,4461)	1:A:99:VAL:HG13	1:A:100:PRO:HD3	1	0.12
(1,4461)	1:A:100:PRO:HD3	1:A:99:VAL:HG22	13	0.12
(1,4461)	1:A:100:PRO:HD3	1:A:99:VAL:HG21	13	0.12
(1,4461)	1:A:100:PRO:HD3	1:A:99:VAL:HG23	13	0.12
(1,4461)	1:A:99:VAL:HG12	1:A:100:PRO:HD3	13	0.12
(1,4461)	1:A:99:VAL:HG11	1:A:100:PRO:HD3	13	0.12
(1,4461)	1:A:99:VAL:HG13	1:A:100:PRO:HD3	13	0.12
(1,4438)	1:B:22:GLN:HG2	1:B:25:ALA:HB2	15	0.12
(1,4438)	1:B:22:GLN:HG2	1:B:25:ALA:HB1	15	0.12
(1,4438)	1:B:22:GLN:HG2	1:B:25:ALA:HB3	15	0.12
(1,4438)	1:B:22:GLN:HG3	1:B:25:ALA:HB2	15	0.12
(1,4438)	1:B:22:GLN:HG3	1:B:25:ALA:HB1	15	0.12
(1,4438)	1:B:22:GLN:HG3	1:B:25:ALA:HB3	15	0.12
(1,4438)	1:B:25:ALA:HB2	1:B:24:TYR:HB3	15	0.12
(1,4438)	1:B:25:ALA:HB1	1:B:24:TYR:HB3	15	0.12
(1,4438)	1:B:25:ALA:HB3	1:B:24:TYR:HB3	15	0.12
(1,4437)	1:A:22:GLN:HG2	1:A:25:ALA:HB2	15	0.12
(1,4437)	1:A:22:GLN:HG2	1:A:25:ALA:HB1	15	0.12
(1,4437)	1:A:22:GLN:HG2	1:A:25:ALA:HB3	15	0.12
(1,4437)	1:A:22:GLN:HG3	1:A:25:ALA:HB2	15	0.12
(1,4437)	1:A:22:GLN:HG3	1:A:25:ALA:HB1	15	0.12
(1,4437)	1:A:22:GLN:HG3	1:A:25:ALA:HB3	15	0.12
(1,4437)	1:A:25:ALA:HB2	1:A:24:TYR:HB3	15	0.12
(1,4437)	1:A:25:ALA:HB1	1:A:24:TYR:HB3	15	0.12
(1,4437)	1:A:25:ALA:HB3	1:A:24:TYR:HB3	15	0.12
(1,4422)	1:B:20:VAL:HG12	1:A:13:CYS:HB3	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4422)	1:B:20:VAL:HG11	1:A:13:CYS:HB3	5	0.12
(1,4422)	1:B:20:VAL:HG13	1:A:13:CYS:HB3	5	0.12
(1,4422)	1:B:42:PHE:HA	1:B:45:THR:HG21	5	0.12
(1,4422)	1:B:42:PHE:HA	1:B:45:THR:HG22	5	0.12
(1,4422)	1:B:42:PHE:HA	1:B:45:THR:HG23	5	0.12
(1,4422)	1:B:45:THR:HG21	1:B:52:LYS:HE2	5	0.12
(1,4422)	1:B:45:THR:HG21	1:B:52:LYS:HE3	5	0.12
(1,4422)	1:B:45:THR:HG22	1:B:52:LYS:HE2	5	0.12
(1,4422)	1:B:45:THR:HG22	1:B:52:LYS:HE3	5	0.12
(1,4422)	1:B:45:THR:HG23	1:B:52:LYS:HE2	5	0.12
(1,4422)	1:B:45:THR:HG23	1:B:52:LYS:HE3	5	0.12
(1,4422)	1:B:69:THR:HG21	1:B:68:ASP:HB2	5	0.12
(1,4422)	1:B:69:THR:HG22	1:B:68:ASP:HB2	5	0.12
(1,4422)	1:B:69:THR:HG23	1:B:68:ASP:HB2	5	0.12
(1,4422)	1:B:21:PHE:HB2	1:B:20:VAL:HG12	5	0.12
(1,4422)	1:B:21:PHE:HB2	1:B:20:VAL:HG11	5	0.12
(1,4422)	1:B:21:PHE:HB2	1:B:20:VAL:HG13	5	0.12
(1,4422)	1:B:20:VAL:HG12	1:A:13:CYS:HB3	8	0.12
(1,4422)	1:B:20:VAL:HG11	1:A:13:CYS:HB3	8	0.12
(1,4422)	1:B:20:VAL:HG13	1:A:13:CYS:HB3	8	0.12
(1,4422)	1:B:42:PHE:HA	1:B:45:THR:HG21	8	0.12
(1,4422)	1:B:42:PHE:HA	1:B:45:THR:HG22	8	0.12
(1,4422)	1:B:42:PHE:HA	1:B:45:THR:HG23	8	0.12
(1,4422)	1:B:45:THR:HG21	1:B:52:LYS:HE2	8	0.12
(1,4422)	1:B:45:THR:HG21	1:B:52:LYS:HE3	8	0.12
(1,4422)	1:B:45:THR:HG22	1:B:52:LYS:HE2	8	0.12
(1,4422)	1:B:45:THR:HG22	1:B:52:LYS:HE3	8	0.12
(1,4422)	1:B:45:THR:HG23	1:B:52:LYS:HE2	8	0.12
(1,4422)	1:B:45:THR:HG23	1:B:52:LYS:HE3	8	0.12
(1,4422)	1:B:69:THR:HG21	1:B:68:ASP:HB2	8	0.12
(1,4422)	1:B:69:THR:HG22	1:B:68:ASP:HB2	8	0.12
(1,4422)	1:B:69:THR:HG23	1:B:68:ASP:HB2	8	0.12
(1,4422)	1:B:21:PHE:HB2	1:B:20:VAL:HG12	8	0.12
(1,4422)	1:B:21:PHE:HB2	1:B:20:VAL:HG11	8	0.12
(1,4422)	1:B:21:PHE:HB2	1:B:20:VAL:HG13	8	0.12
(1,4421)	1:A:20:VAL:HG12	1:B:13:CYS:HB3	5	0.12
(1,4421)	1:A:20:VAL:HG11	1:B:13:CYS:HB3	5	0.12
(1,4421)	1:A:20:VAL:HG13	1:B:13:CYS:HB3	5	0.12
(1,4421)	1:A:42:PHE:HA	1:A:45:THR:HG21	5	0.12
(1,4421)	1:A:42:PHE:HA	1:A:45:THR:HG22	5	0.12
(1,4421)	1:A:42:PHE:HA	1:A:45:THR:HG23	5	0.12
(1,4421)	1:A:45:THR:HG21	1:A:52:LYS:HE2	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4421)	1:A:45:THR:HG21	1:A:52:LYS:HE3	5	0.12
(1,4421)	1:A:45:THR:HG22	1:A:52:LYS:HE2	5	0.12
(1,4421)	1:A:45:THR:HG22	1:A:52:LYS:HE3	5	0.12
(1,4421)	1:A:45:THR:HG23	1:A:52:LYS:HE2	5	0.12
(1,4421)	1:A:45:THR:HG23	1:A:52:LYS:HE3	5	0.12
(1,4421)	1:A:69:THR:HG21	1:A:68:ASP:HB2	5	0.12
(1,4421)	1:A:69:THR:HG22	1:A:68:ASP:HB2	5	0.12
(1,4421)	1:A:69:THR:HG23	1:A:68:ASP:HB2	5	0.12
(1,4421)	1:A:21:PHE:HB2	1:A:20:VAL:HG12	5	0.12
(1,4421)	1:A:21:PHE:HB2	1:A:20:VAL:HG11	5	0.12
(1,4421)	1:A:21:PHE:HB2	1:A:20:VAL:HG13	5	0.12
(1,4421)	1:A:20:VAL:HG12	1:B:13:CYS:HB3	8	0.12
(1,4421)	1:A:20:VAL:HG11	1:B:13:CYS:HB3	8	0.12
(1,4421)	1:A:20:VAL:HG13	1:B:13:CYS:HB3	8	0.12
(1,4421)	1:A:42:PHE:HA	1:A:45:THR:HG21	8	0.12
(1,4421)	1:A:42:PHE:HA	1:A:45:THR:HG22	8	0.12
(1,4421)	1:A:42:PHE:HA	1:A:45:THR:HG23	8	0.12
(1,4421)	1:A:45:THR:HG21	1:A:52:LYS:HE2	8	0.12
(1,4421)	1:A:45:THR:HG21	1:A:52:LYS:HE3	8	0.12
(1,4421)	1:A:45:THR:HG22	1:A:52:LYS:HE2	8	0.12
(1,4421)	1:A:45:THR:HG22	1:A:52:LYS:HE3	8	0.12
(1,4421)	1:A:45:THR:HG23	1:A:52:LYS:HE2	8	0.12
(1,4421)	1:A:45:THR:HG23	1:A:52:LYS:HE3	8	0.12
(1,4421)	1:A:69:THR:HG21	1:A:68:ASP:HB2	8	0.12
(1,4421)	1:A:69:THR:HG22	1:A:68:ASP:HB2	8	0.12
(1,4421)	1:A:69:THR:HG23	1:A:68:ASP:HB2	8	0.12
(1,4421)	1:A:21:PHE:HB2	1:A:20:VAL:HG12	8	0.12
(1,4421)	1:A:21:PHE:HB2	1:A:20:VAL:HG11	8	0.12
(1,4421)	1:A:21:PHE:HB2	1:A:20:VAL:HG13	8	0.12
(1,4386)	1:B:95:PHE:H	1:B:98:ALA:HA	5	0.12
(1,4386)	1:B:96:LEU:H	1:B:98:ALA:HA	5	0.12
(1,4385)	1:A:95:PHE:H	1:A:98:ALA:HA	5	0.12
(1,4385)	1:A:96:LEU:H	1:A:98:ALA:HA	5	0.12
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD22	7	0.12
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD21	7	0.12
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD23	7	0.12
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD22	7	0.12
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD21	7	0.12
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD23	7	0.12
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD22	7	0.12
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD21	7	0.12
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD23	7	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD12	7	0.12
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD11	7	0.12
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD13	7	0.12
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD12	7	0.12
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD11	7	0.12
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD13	7	0.12
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD12	7	0.12
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD11	7	0.12
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD13	7	0.12
(1,4342)	1:B:41:SER:H	1:B:60:LEU:HD12	4	0.12
(1,4342)	1:B:41:SER:H	1:B:60:LEU:HD11	4	0.12
(1,4342)	1:B:41:SER:H	1:B:60:LEU:HD13	4	0.12
(1,4342)	1:B:83:LEU:HD12	1:B:86:GLY:H	4	0.12
(1,4342)	1:B:83:LEU:HD11	1:B:86:GLY:H	4	0.12
(1,4342)	1:B:83:LEU:HD13	1:B:86:GLY:H	4	0.12
(1,4342)	1:B:41:SER:H	1:B:60:LEU:HD12	8	0.12
(1,4342)	1:B:41:SER:H	1:B:60:LEU:HD11	8	0.12
(1,4342)	1:B:41:SER:H	1:B:60:LEU:HD13	8	0.12
(1,4342)	1:B:83:LEU:HD12	1:B:86:GLY:H	8	0.12
(1,4342)	1:B:83:LEU:HD11	1:B:86:GLY:H	8	0.12
(1,4342)	1:B:83:LEU:HD13	1:B:86:GLY:H	8	0.12
(1,4342)	1:B:41:SER:H	1:B:60:LEU:HD12	19	0.12
(1,4342)	1:B:41:SER:H	1:B:60:LEU:HD11	19	0.12
(1,4342)	1:B:41:SER:H	1:B:60:LEU:HD13	19	0.12
(1,4342)	1:B:83:LEU:HD12	1:B:86:GLY:H	19	0.12
(1,4342)	1:B:83:LEU:HD11	1:B:86:GLY:H	19	0.12
(1,4342)	1:B:83:LEU:HD13	1:B:86:GLY:H	19	0.12
(1,4341)	1:A:41:SER:H	1:A:60:LEU:HD12	4	0.12
(1,4341)	1:A:41:SER:H	1:A:60:LEU:HD11	4	0.12
(1,4341)	1:A:41:SER:H	1:A:60:LEU:HD13	4	0.12
(1,4341)	1:A:83:LEU:HD12	1:A:86:GLY:H	4	0.12
(1,4341)	1:A:83:LEU:HD11	1:A:86:GLY:H	4	0.12
(1,4341)	1:A:83:LEU:HD13	1:A:86:GLY:H	4	0.12
(1,4341)	1:A:41:SER:H	1:A:60:LEU:HD12	8	0.12
(1,4341)	1:A:41:SER:H	1:A:60:LEU:HD11	8	0.12
(1,4341)	1:A:41:SER:H	1:A:60:LEU:HD13	8	0.12
(1,4341)	1:A:83:LEU:HD12	1:A:86:GLY:H	8	0.12
(1,4341)	1:A:83:LEU:HD11	1:A:86:GLY:H	8	0.12
(1,4341)	1:A:83:LEU:HD13	1:A:86:GLY:H	8	0.12
(1,4341)	1:A:41:SER:H	1:A:60:LEU:HD12	19	0.12
(1,4341)	1:A:41:SER:H	1:A:60:LEU:HD11	19	0.12
(1,4341)	1:A:41:SER:H	1:A:60:LEU:HD13	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4341)	1:A:83:LEU:HD12	1:A:86:GLY:H	19	0.12
(1,4341)	1:A:83:LEU:HD11	1:A:86:GLY:H	19	0.12
(1,4341)	1:A:83:LEU:HD13	1:A:86:GLY:H	19	0.12
(1,4334)	1:B:74:GLN:HB3	1:B:68:ASP:HB2	3	0.12
(1,4334)	1:B:18:ILE:HB	1:B:21:PHE:HB2	3	0.12
(1,4334)	1:B:64:MET:HB3	1:B:68:ASP:HB2	3	0.12
(1,4334)	1:B:68:ASP:HB2	1:B:67:LEU:HB2	3	0.12
(1,4333)	1:A:74:GLN:HB3	1:A:68:ASP:HB2	3	0.12
(1,4333)	1:A:18:ILE:HB	1:A:21:PHE:HB2	3	0.12
(1,4333)	1:A:64:MET:HB3	1:A:68:ASP:HB2	3	0.12
(1,4333)	1:A:68:ASP:HB2	1:A:67:LEU:HB2	3	0.12
(1,4316)	1:B:22:GLN:HA	1:B:19:ALA:HA	8	0.12
(1,4316)	1:B:25:ALA:HA	1:B:22:GLN:HA	8	0.12
(1,4316)	1:B:22:GLN:HA	1:B:26:GLY:HA2	8	0.12
(1,4316)	1:B:37:THR:HA	1:B:40:LEU:HA	8	0.12
(1,4316)	1:B:22:GLN:HA	1:B:19:ALA:HA	11	0.12
(1,4316)	1:B:25:ALA:HA	1:B:22:GLN:HA	11	0.12
(1,4316)	1:B:22:GLN:HA	1:B:26:GLY:HA2	11	0.12
(1,4316)	1:B:37:THR:HA	1:B:40:LEU:HA	11	0.12
(1,4316)	1:B:22:GLN:HA	1:B:19:ALA:HA	20	0.12
(1,4316)	1:B:25:ALA:HA	1:B:22:GLN:HA	20	0.12
(1,4316)	1:B:22:GLN:HA	1:B:26:GLY:HA2	20	0.12
(1,4316)	1:B:37:THR:HA	1:B:40:LEU:HA	20	0.12
(1,4315)	1:A:22:GLN:HA	1:A:19:ALA:HA	8	0.12
(1,4315)	1:A:25:ALA:HA	1:A:22:GLN:HA	8	0.12
(1,4315)	1:A:22:GLN:HA	1:A:26:GLY:HA2	8	0.12
(1,4315)	1:A:37:THR:HA	1:A:40:LEU:HA	8	0.12
(1,4315)	1:A:22:GLN:HA	1:A:19:ALA:HA	11	0.12
(1,4315)	1:A:25:ALA:HA	1:A:22:GLN:HA	11	0.12
(1,4315)	1:A:22:GLN:HA	1:A:26:GLY:HA2	11	0.12
(1,4315)	1:A:37:THR:HA	1:A:40:LEU:HA	11	0.12
(1,4315)	1:A:22:GLN:HA	1:A:19:ALA:HA	20	0.12
(1,4315)	1:A:25:ALA:HA	1:A:22:GLN:HA	20	0.12
(1,4315)	1:A:22:GLN:HA	1:A:26:GLY:HA2	20	0.12
(1,4315)	1:A:37:THR:HA	1:A:40:LEU:HA	20	0.12
(1,4244)	1:B:87:LEU:HB2	1:B:91:CYS:HA	8	0.12
(1,4244)	1:B:91:CYS:HA	1:B:97:LYS:HB2	8	0.12
(1,4244)	1:B:91:CYS:HA	1:B:97:LYS:HB3	8	0.12
(1,4244)	1:B:91:CYS:HA	1:B:97:LYS:HD2	8	0.12
(1,4244)	1:B:91:CYS:HA	1:B:97:LYS:HD3	8	0.12
(1,4244)	1:B:91:CYS:HA	1:A:18:ILE:HB	8	0.12
(1,4243)	1:A:87:LEU:HB2	1:A:91:CYS:HA	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4243)	1:A:91:CYS:HA	1:A:97:LYS:HB2	8	0.12
(1,4243)	1:A:91:CYS:HA	1:A:97:LYS:HB3	8	0.12
(1,4243)	1:A:91:CYS:HA	1:A:97:LYS:HD2	8	0.12
(1,4243)	1:A:91:CYS:HA	1:A:97:LYS:HD3	8	0.12
(1,4243)	1:A:91:CYS:HA	1:B:18:ILE:HB	8	0.12
(1,4234)	1:B:68:ASP:HB2	1:B:65:LYS:HB2	8	0.12
(1,4234)	1:B:68:ASP:HB2	1:B:65:LYS:HB3	8	0.12
(1,4234)	1:B:68:ASP:HB2	1:B:65:LYS:HD2	8	0.12
(1,4234)	1:B:68:ASP:HB2	1:B:65:LYS:HD3	8	0.12
(1,4233)	1:A:68:ASP:HB2	1:A:65:LYS:HB2	8	0.12
(1,4233)	1:A:68:ASP:HB2	1:A:65:LYS:HB3	8	0.12
(1,4233)	1:A:68:ASP:HB2	1:A:65:LYS:HD2	8	0.12
(1,4233)	1:A:68:ASP:HB2	1:A:65:LYS:HD3	8	0.12
(1,4226)	1:B:63:MET:HA	1:B:64:MET:HA	7	0.12
(1,4226)	1:B:65:LYS:HA	1:B:64:MET:HA	7	0.12
(1,4226)	1:B:65:LYS:HA	1:B:73:GLY:HA3	7	0.12
(1,4226)	1:B:71:SER:HA	1:B:73:GLY:HA3	7	0.12
(1,4226)	1:B:63:MET:HA	1:B:64:MET:HA	8	0.12
(1,4226)	1:B:65:LYS:HA	1:B:64:MET:HA	8	0.12
(1,4226)	1:B:65:LYS:HA	1:B:73:GLY:HA3	8	0.12
(1,4226)	1:B:71:SER:HA	1:B:73:GLY:HA3	8	0.12
(1,4226)	1:B:63:MET:HA	1:B:64:MET:HA	12	0.12
(1,4226)	1:B:65:LYS:HA	1:B:64:MET:HA	12	0.12
(1,4226)	1:B:65:LYS:HA	1:B:73:GLY:HA3	12	0.12
(1,4226)	1:B:71:SER:HA	1:B:73:GLY:HA3	12	0.12
(1,4226)	1:B:63:MET:HA	1:B:64:MET:HA	13	0.12
(1,4226)	1:B:65:LYS:HA	1:B:64:MET:HA	13	0.12
(1,4226)	1:B:65:LYS:HA	1:B:73:GLY:HA3	13	0.12
(1,4226)	1:B:71:SER:HA	1:B:73:GLY:HA3	13	0.12
(1,4226)	1:B:63:MET:HA	1:B:64:MET:HA	19	0.12
(1,4226)	1:B:65:LYS:HA	1:B:64:MET:HA	19	0.12
(1,4226)	1:B:65:LYS:HA	1:B:73:GLY:HA3	19	0.12
(1,4226)	1:B:71:SER:HA	1:B:73:GLY:HA3	19	0.12
(1,4225)	1:A:63:MET:HA	1:A:64:MET:HA	7	0.12
(1,4225)	1:A:65:LYS:HA	1:A:64:MET:HA	7	0.12
(1,4225)	1:A:65:LYS:HA	1:A:73:GLY:HA3	7	0.12
(1,4225)	1:A:71:SER:HA	1:A:73:GLY:HA3	7	0.12
(1,4225)	1:A:63:MET:HA	1:A:64:MET:HA	8	0.12
(1,4225)	1:A:65:LYS:HA	1:A:64:MET:HA	8	0.12
(1,4225)	1:A:65:LYS:HA	1:A:73:GLY:HA3	8	0.12
(1,4225)	1:A:71:SER:HA	1:A:73:GLY:HA3	8	0.12
(1,4225)	1:A:63:MET:HA	1:A:64:MET:HA	12	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4225)	1:A:65:LYS:HA	1:A:64:MET:HA	12	0.12
(1,4225)	1:A:65:LYS:HA	1:A:73:GLY:HA3	12	0.12
(1,4225)	1:A:71:SER:HA	1:A:73:GLY:HA3	12	0.12
(1,4225)	1:A:63:MET:HA	1:A:64:MET:HA	13	0.12
(1,4225)	1:A:65:LYS:HA	1:A:64:MET:HA	13	0.12
(1,4225)	1:A:65:LYS:HA	1:A:73:GLY:HA3	13	0.12
(1,4225)	1:A:71:SER:HA	1:A:73:GLY:HA3	13	0.12
(1,4225)	1:A:63:MET:HA	1:A:64:MET:HA	19	0.12
(1,4225)	1:A:65:LYS:HA	1:A:64:MET:HA	19	0.12
(1,4225)	1:A:65:LYS:HA	1:A:73:GLY:HA3	19	0.12
(1,4225)	1:A:71:SER:HA	1:A:73:GLY:HA3	19	0.12
(1,4202)	1:B:42:PHE:HB3	1:B:20:VAL:HG22	10	0.12
(1,4202)	1:B:42:PHE:HB3	1:B:20:VAL:HG21	10	0.12
(1,4202)	1:B:42:PHE:HB3	1:B:20:VAL:HG23	10	0.12
(1,4202)	1:B:42:PHE:HB3	1:B:34:LEU:HG	10	0.12
(1,4202)	1:B:11:GLU:HG2	1:B:8:THR:HG21	10	0.12
(1,4202)	1:B:11:GLU:HG2	1:B:8:THR:HG22	10	0.12
(1,4202)	1:B:11:GLU:HG2	1:B:8:THR:HG23	10	0.12
(1,4196)	1:B:52:LYS:HD2	1:B:53:ASN:HB3	10	0.12
(1,4196)	1:B:52:LYS:HD3	1:B:53:ASN:HB3	10	0.12
(1,4196)	1:B:52:LYS:HD2	1:B:44:ASN:HB3	10	0.12
(1,4196)	1:B:52:LYS:HD3	1:B:44:ASN:HB3	10	0.12
(1,4196)	1:B:52:LYS:HB2	1:B:53:ASN:HB3	10	0.12
(1,4196)	1:B:52:LYS:HB3	1:B:53:ASN:HB3	10	0.12
(1,4195)	1:A:52:LYS:HD2	1:A:53:ASN:HB3	10	0.12
(1,4195)	1:A:52:LYS:HD3	1:A:53:ASN:HB3	10	0.12
(1,4195)	1:A:52:LYS:HD2	1:A:44:ASN:HB3	10	0.12
(1,4195)	1:A:52:LYS:HD3	1:A:44:ASN:HB3	10	0.12
(1,4195)	1:A:52:LYS:HB2	1:A:53:ASN:HB3	10	0.12
(1,4195)	1:A:52:LYS:HB3	1:A:53:ASN:HB3	10	0.12
(1,4184)	1:B:13:CYS:HA	1:B:15:GLU:HB2	7	0.12
(1,4184)	1:B:13:CYS:HA	1:B:15:GLU:HB3	7	0.12
(1,4184)	1:B:13:CYS:HA	1:B:17:LEU:HG	7	0.12
(1,4184)	1:B:13:CYS:HA	1:B:15:GLU:HB2	18	0.12
(1,4184)	1:B:13:CYS:HA	1:B:15:GLU:HB3	18	0.12
(1,4184)	1:B:13:CYS:HA	1:B:17:LEU:HG	18	0.12
(1,4183)	1:A:13:CYS:HA	1:A:15:GLU:HB2	7	0.12
(1,4183)	1:A:13:CYS:HA	1:A:15:GLU:HB3	7	0.12
(1,4183)	1:A:13:CYS:HA	1:A:17:LEU:HG	7	0.12
(1,4154)	1:B:82:ASN:HA	1:B:81:LEU:HB2	11	0.12
(1,4154)	1:B:82:ASN:HA	1:B:83:LEU:HB3	11	0.12
(1,4154)	1:B:82:ASN:HA	1:A:81:LEU:HB2	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4154)	1:B:82:ASN:HA	1:B:81:LEU:HB2	12	0.12
(1,4154)	1:B:82:ASN:HA	1:B:83:LEU:HB3	12	0.12
(1,4154)	1:B:82:ASN:HA	1:A:81:LEU:HB2	12	0.12
(1,4154)	1:B:82:ASN:HA	1:B:81:LEU:HB2	16	0.12
(1,4154)	1:B:82:ASN:HA	1:B:83:LEU:HB3	16	0.12
(1,4154)	1:B:82:ASN:HA	1:A:81:LEU:HB2	16	0.12
(1,4153)	1:A:82:ASN:HA	1:A:81:LEU:HB2	11	0.12
(1,4153)	1:A:82:ASN:HA	1:A:83:LEU:HB3	11	0.12
(1,4153)	1:A:82:ASN:HA	1:B:81:LEU:HB2	11	0.12
(1,4153)	1:A:82:ASN:HA	1:A:81:LEU:HB2	12	0.12
(1,4153)	1:A:82:ASN:HA	1:A:83:LEU:HB3	12	0.12
(1,4153)	1:A:82:ASN:HA	1:B:81:LEU:HB2	12	0.12
(1,4153)	1:A:82:ASN:HA	1:A:81:LEU:HB2	16	0.12
(1,4153)	1:A:82:ASN:HA	1:A:83:LEU:HB3	16	0.12
(1,4153)	1:A:82:ASN:HA	1:B:81:LEU:HB2	16	0.12
(1,4096)	1:B:17:LEU:HD12	1:B:11:GLU:HG2	5	0.12
(1,4096)	1:B:17:LEU:HD11	1:B:11:GLU:HG2	5	0.12
(1,4096)	1:B:17:LEU:HD13	1:B:11:GLU:HG2	5	0.12
(1,4096)	1:B:17:LEU:HD12	1:B:89:MET:HG3	5	0.12
(1,4096)	1:B:17:LEU:HD11	1:B:89:MET:HG3	5	0.12
(1,4096)	1:B:17:LEU:HD13	1:B:89:MET:HG3	5	0.12
(1,4096)	1:B:17:LEU:HD12	1:A:11:GLU:HG2	5	0.12
(1,4096)	1:B:17:LEU:HD11	1:A:11:GLU:HG2	5	0.12
(1,4096)	1:B:17:LEU:HD13	1:A:11:GLU:HG2	5	0.12
(1,4096)	1:B:17:LEU:HD12	1:A:89:MET:HG3	5	0.12
(1,4096)	1:B:17:LEU:HD11	1:A:89:MET:HG3	5	0.12
(1,4096)	1:B:17:LEU:HD13	1:A:89:MET:HG3	5	0.12
(1,4096)	1:B:17:LEU:HD12	1:B:11:GLU:HG2	12	0.12
(1,4096)	1:B:17:LEU:HD11	1:B:11:GLU:HG2	12	0.12
(1,4096)	1:B:17:LEU:HD13	1:B:11:GLU:HG2	12	0.12
(1,4096)	1:B:17:LEU:HD12	1:B:89:MET:HG3	12	0.12
(1,4096)	1:B:17:LEU:HD11	1:B:89:MET:HG3	12	0.12
(1,4096)	1:B:17:LEU:HD13	1:B:89:MET:HG3	12	0.12
(1,4096)	1:B:17:LEU:HD12	1:A:11:GLU:HG2	12	0.12
(1,4096)	1:B:17:LEU:HD11	1:A:11:GLU:HG2	12	0.12
(1,4096)	1:B:17:LEU:HD13	1:A:11:GLU:HG2	12	0.12
(1,4096)	1:B:17:LEU:HD12	1:A:89:MET:HG3	12	0.12
(1,4096)	1:B:17:LEU:HD11	1:A:89:MET:HG3	12	0.12
(1,4096)	1:B:17:LEU:HD13	1:A:89:MET:HG3	12	0.12
(1,4096)	1:B:17:LEU:HD12	1:B:11:GLU:HG2	18	0.12
(1,4096)	1:B:17:LEU:HD11	1:B:11:GLU:HG2	18	0.12
(1,4096)	1:B:17:LEU:HD13	1:B:11:GLU:HG2	18	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4096)	1:B:17:LEU:HD12	1:B:89:MET:HG3	18	0.12
(1,4096)	1:B:17:LEU:HD11	1:B:89:MET:HG3	18	0.12
(1,4096)	1:B:17:LEU:HD13	1:B:89:MET:HG3	18	0.12
(1,4096)	1:B:17:LEU:HD12	1:A:11:GLU:HG2	18	0.12
(1,4096)	1:B:17:LEU:HD11	1:A:11:GLU:HG2	18	0.12
(1,4096)	1:B:17:LEU:HD13	1:A:11:GLU:HG2	18	0.12
(1,4096)	1:B:17:LEU:HD12	1:A:89:MET:HG3	18	0.12
(1,4096)	1:B:17:LEU:HD11	1:A:89:MET:HG3	18	0.12
(1,4096)	1:B:17:LEU:HD13	1:A:89:MET:HG3	18	0.12
(1,4095)	1:A:17:LEU:HD12	1:A:11:GLU:HG2	4	0.12
(1,4095)	1:A:17:LEU:HD11	1:A:11:GLU:HG2	4	0.12
(1,4095)	1:A:17:LEU:HD13	1:A:11:GLU:HG2	4	0.12
(1,4095)	1:A:17:LEU:HD12	1:A:89:MET:HG3	4	0.12
(1,4095)	1:A:17:LEU:HD11	1:A:89:MET:HG3	4	0.12
(1,4095)	1:A:17:LEU:HD13	1:A:89:MET:HG3	4	0.12
(1,4095)	1:A:17:LEU:HD12	1:B:11:GLU:HG2	4	0.12
(1,4095)	1:A:17:LEU:HD11	1:B:11:GLU:HG2	4	0.12
(1,4095)	1:A:17:LEU:HD13	1:B:11:GLU:HG2	4	0.12
(1,4095)	1:A:17:LEU:HD12	1:B:89:MET:HG3	4	0.12
(1,4095)	1:A:17:LEU:HD11	1:B:89:MET:HG3	4	0.12
(1,4095)	1:A:17:LEU:HD13	1:B:89:MET:HG3	4	0.12
(1,4095)	1:A:17:LEU:HD12	1:A:11:GLU:HG2	8	0.12
(1,4095)	1:A:17:LEU:HD11	1:A:11:GLU:HG2	8	0.12
(1,4095)	1:A:17:LEU:HD13	1:A:11:GLU:HG2	8	0.12
(1,4095)	1:A:17:LEU:HD12	1:A:89:MET:HG3	8	0.12
(1,4095)	1:A:17:LEU:HD11	1:A:89:MET:HG3	8	0.12
(1,4095)	1:A:17:LEU:HD13	1:A:89:MET:HG3	8	0.12
(1,4095)	1:A:17:LEU:HD12	1:B:11:GLU:HG2	8	0.12
(1,4095)	1:A:17:LEU:HD11	1:B:11:GLU:HG2	8	0.12
(1,4095)	1:A:17:LEU:HD13	1:B:11:GLU:HG2	8	0.12
(1,4095)	1:A:17:LEU:HD12	1:B:89:MET:HG3	8	0.12
(1,4095)	1:A:17:LEU:HD11	1:B:89:MET:HG3	8	0.12
(1,4095)	1:A:17:LEU:HD13	1:B:89:MET:HG3	8	0.12
(1,4095)	1:A:17:LEU:HD12	1:A:11:GLU:HG2	12	0.12
(1,4095)	1:A:17:LEU:HD11	1:A:11:GLU:HG2	12	0.12
(1,4095)	1:A:17:LEU:HD13	1:A:11:GLU:HG2	12	0.12
(1,4095)	1:A:17:LEU:HD12	1:A:89:MET:HG3	12	0.12
(1,4095)	1:A:17:LEU:HD11	1:A:89:MET:HG3	12	0.12
(1,4095)	1:A:17:LEU:HD13	1:A:89:MET:HG3	12	0.12
(1,4095)	1:A:17:LEU:HD12	1:B:11:GLU:HG2	12	0.12
(1,4095)	1:A:17:LEU:HD11	1:B:11:GLU:HG2	12	0.12
(1,4095)	1:A:17:LEU:HD13	1:B:11:GLU:HG2	12	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4095)	1:A:17:LEU:HD12	1:B:89:MET:HG3	12	0.12
(1,4095)	1:A:17:LEU:HD11	1:B:89:MET:HG3	12	0.12
(1,4095)	1:A:17:LEU:HD13	1:B:89:MET:HG3	12	0.12
(1,4095)	1:A:17:LEU:HD12	1:A:11:GLU:HG2	18	0.12
(1,4095)	1:A:17:LEU:HD11	1:A:11:GLU:HG2	18	0.12
(1,4095)	1:A:17:LEU:HD13	1:A:11:GLU:HG2	18	0.12
(1,4095)	1:A:17:LEU:HD12	1:A:89:MET:HG3	18	0.12
(1,4095)	1:A:17:LEU:HD11	1:A:89:MET:HG3	18	0.12
(1,4095)	1:A:17:LEU:HD13	1:A:89:MET:HG3	18	0.12
(1,4095)	1:A:17:LEU:HD12	1:B:11:GLU:HG2	18	0.12
(1,4095)	1:A:17:LEU:HD11	1:B:11:GLU:HG2	18	0.12
(1,4095)	1:A:17:LEU:HD13	1:B:11:GLU:HG2	18	0.12
(1,4095)	1:A:17:LEU:HD12	1:B:89:MET:HG3	18	0.12
(1,4095)	1:A:17:LEU:HD11	1:B:89:MET:HG3	18	0.12
(1,4095)	1:A:17:LEU:HD13	1:B:89:MET:HG3	18	0.12
(1,4066)	1:B:44:ASN:HB3	1:B:40:LEU:HD12	19	0.12
(1,4066)	1:B:44:ASN:HB3	1:B:40:LEU:HD11	19	0.12
(1,4066)	1:B:44:ASN:HB3	1:B:40:LEU:HD13	19	0.12
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD22	19	0.12
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD21	19	0.12
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD23	19	0.12
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD12	19	0.12
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD11	19	0.12
(1,4066)	1:B:44:ASN:HB3	1:B:60:LEU:HD13	19	0.12
(1,4065)	1:A:44:ASN:HB3	1:A:40:LEU:HD12	19	0.12
(1,4065)	1:A:44:ASN:HB3	1:A:40:LEU:HD11	19	0.12
(1,4065)	1:A:44:ASN:HB3	1:A:40:LEU:HD13	19	0.12
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD22	19	0.12
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD21	19	0.12
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD23	19	0.12
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD12	19	0.12
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD11	19	0.12
(1,4065)	1:A:44:ASN:HB3	1:A:60:LEU:HD13	19	0.12
(1,4048)	1:B:52:LYS:HB2	1:B:53:ASN:HB3	19	0.12
(1,4048)	1:B:52:LYS:HB3	1:B:53:ASN:HB3	19	0.12
(1,4048)	1:B:74:GLN:HB2	1:B:76:ASP:HB3	19	0.12
(1,4047)	1:A:52:LYS:HB2	1:A:53:ASN:HB3	19	0.12
(1,4047)	1:A:52:LYS:HB3	1:A:53:ASN:HB3	19	0.12
(1,4047)	1:A:74:GLN:HB2	1:A:76:ASP:HB3	19	0.12
(1,3966)	1:B:9:GLU:HB2	1:B:12:ARG:HD2	16	0.12
(1,3966)	1:B:9:GLU:HB2	1:B:12:ARG:HD3	16	0.12
(1,3966)	1:B:9:GLU:HB3	1:B:12:ARG:HD2	16	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3966)	1:B:9:GLU:HB3	1:B:12:ARG:HD3	16	0.12
(1,3966)	1:B:15:GLU:HB2	1:B:12:ARG:HD2	16	0.12
(1,3966)	1:B:15:GLU:HB2	1:B:12:ARG:HD3	16	0.12
(1,3966)	1:B:15:GLU:HB3	1:B:12:ARG:HD2	16	0.12
(1,3966)	1:B:15:GLU:HB3	1:B:12:ARG:HD3	16	0.12
(1,3965)	1:A:9:GLU:HB2	1:A:12:ARG:HD2	16	0.12
(1,3965)	1:A:9:GLU:HB2	1:A:12:ARG:HD3	16	0.12
(1,3965)	1:A:9:GLU:HB3	1:A:12:ARG:HD2	16	0.12
(1,3965)	1:A:9:GLU:HB3	1:A:12:ARG:HD3	16	0.12
(1,3965)	1:A:15:GLU:HB2	1:A:12:ARG:HD2	16	0.12
(1,3965)	1:A:15:GLU:HB2	1:A:12:ARG:HD3	16	0.12
(1,3965)	1:A:15:GLU:HB3	1:A:12:ARG:HD2	16	0.12
(1,3965)	1:A:15:GLU:HB3	1:A:12:ARG:HD3	16	0.12
(1,3914)	1:B:35:SER:HA	1:B:34:LEU:HG	5	0.12
(1,3914)	1:B:35:SER:HA	1:B:75:LEU:HB3	5	0.12
(1,3914)	1:B:35:SER:HA	1:B:34:LEU:HG	17	0.12
(1,3914)	1:B:35:SER:HA	1:B:75:LEU:HB3	17	0.12
(1,3913)	1:A:35:SER:HA	1:A:34:LEU:HG	5	0.12
(1,3913)	1:A:35:SER:HA	1:A:75:LEU:HB3	5	0.12
(1,3913)	1:A:35:SER:HA	1:A:34:LEU:HG	17	0.12
(1,3913)	1:A:35:SER:HA	1:A:75:LEU:HB3	17	0.12
(1,3898)	1:B:10:THR:HA	1:B:11:GLU:HB2	10	0.12
(1,3898)	1:B:10:THR:HA	1:B:11:GLU:HB3	10	0.12
(1,3898)	1:B:10:THR:HA	1:B:12:ARG:HB2	10	0.12
(1,3898)	1:B:10:THR:HA	1:B:12:ARG:HB3	10	0.12
(1,3898)	1:B:10:THR:HA	1:B:14:ILE:HB	10	0.12
(1,3897)	1:A:10:THR:HA	1:A:11:GLU:HB2	10	0.12
(1,3897)	1:A:10:THR:HA	1:A:11:GLU:HB3	10	0.12
(1,3897)	1:A:10:THR:HA	1:A:12:ARG:HB2	10	0.12
(1,3897)	1:A:10:THR:HA	1:A:12:ARG:HB3	10	0.12
(1,3897)	1:A:10:THR:HA	1:A:14:ILE:HB	10	0.12
(1,3884)	1:B:89:MET:HG3	1:B:83:LEU:H	15	0.12
(1,3884)	1:B:89:MET:HG3	1:A:82:ASN:H	15	0.12
(1,3884)	1:B:63:MET:HG3	1:B:65:LYS:H	15	0.12
(1,382)	1:B:11:GLU:HG2	1:B:10:THR:H	8	0.12
(1,382)	1:B:11:GLU:HG2	1:B:10:THR:H	10	0.12
(1,381)	1:A:11:GLU:HG2	1:A:10:THR:H	8	0.12
(1,381)	1:A:11:GLU:HG2	1:A:10:THR:H	10	0.12
(1,3808)	1:B:37:THR:HB	1:B:36:LYS:H	19	0.12
(1,3808)	1:B:37:THR:HB	1:B:39:PHE:H	19	0.12
(1,3807)	1:A:37:THR:HB	1:A:36:LYS:H	19	0.12
(1,3807)	1:A:37:THR:HB	1:A:39:PHE:H	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3794)	1:B:74:GLN:HA	1:B:38:GLU:HB2	15	0.12
(1,3794)	1:B:74:GLN:HA	1:B:64:MET:HG2	15	0.12
(1,3794)	1:B:74:GLN:HA	1:B:64:MET:HG3	15	0.12
(1,3793)	1:A:74:GLN:HA	1:A:38:GLU:HB2	15	0.12
(1,3793)	1:A:74:GLN:HA	1:A:64:MET:HG2	15	0.12
(1,3793)	1:A:74:GLN:HA	1:A:64:MET:HG3	15	0.12
(1,3786)	1:B:63:MET:HG3	1:B:61:ASP:H	5	0.12
(1,3786)	1:B:89:MET:HG3	1:B:87:LEU:H	5	0.12
(1,3785)	1:A:63:MET:HG3	1:A:61:ASP:H	5	0.12
(1,3785)	1:A:89:MET:HG3	1:A:87:LEU:H	5	0.12
(1,3695)	1:A:12:ARG:HD2	1:A:14:ILE:HG22	1	0.12
(1,3695)	1:A:12:ARG:HD2	1:A:14:ILE:HG21	1	0.12
(1,3695)	1:A:12:ARG:HD2	1:A:14:ILE:HG23	1	0.12
(1,3695)	1:A:12:ARG:HD3	1:A:14:ILE:HG22	1	0.12
(1,3695)	1:A:12:ARG:HD3	1:A:14:ILE:HG21	1	0.12
(1,3695)	1:A:12:ARG:HD3	1:A:14:ILE:HG23	1	0.12
(1,3695)	1:A:17:LEU:HD22	1:A:12:ARG:HD2	1	0.12
(1,3695)	1:A:17:LEU:HD22	1:A:12:ARG:HD3	1	0.12
(1,3695)	1:A:17:LEU:HD21	1:A:12:ARG:HD2	1	0.12
(1,3695)	1:A:17:LEU:HD21	1:A:12:ARG:HD3	1	0.12
(1,3695)	1:A:17:LEU:HD23	1:A:12:ARG:HD2	1	0.12
(1,3695)	1:A:17:LEU:HD23	1:A:12:ARG:HD3	1	0.12
(1,3695)	1:A:12:ARG:HD2	1:B:17:LEU:HD22	1	0.12
(1,3695)	1:A:12:ARG:HD2	1:B:17:LEU:HD21	1	0.12
(1,3695)	1:A:12:ARG:HD2	1:B:17:LEU:HD23	1	0.12
(1,3695)	1:A:12:ARG:HD3	1:B:17:LEU:HD22	1	0.12
(1,3695)	1:A:12:ARG:HD3	1:B:17:LEU:HD21	1	0.12
(1,3695)	1:A:12:ARG:HD3	1:B:17:LEU:HD23	1	0.12
(1,3695)	1:A:62:ARG:HD2	1:A:60:LEU:HD22	1	0.12
(1,3695)	1:A:62:ARG:HD2	1:A:60:LEU:HD21	1	0.12
(1,3695)	1:A:62:ARG:HD2	1:A:60:LEU:HD23	1	0.12
(1,3678)	1:B:74:GLN:HG2	1:B:33:THR:HA	14	0.12
(1,3678)	1:B:74:GLN:HG3	1:B:33:THR:HA	14	0.12
(1,3678)	1:B:74:GLN:HG2	1:B:34:LEU:HA	14	0.12
(1,3678)	1:B:74:GLN:HG3	1:B:34:LEU:HA	14	0.12
(1,3678)	1:B:74:GLN:HG2	1:B:33:THR:HA	17	0.12
(1,3678)	1:B:74:GLN:HG3	1:B:33:THR:HA	17	0.12
(1,3678)	1:B:74:GLN:HG2	1:B:34:LEU:HA	17	0.12
(1,3678)	1:B:74:GLN:HG3	1:B:34:LEU:HA	17	0.12
(1,3677)	1:A:74:GLN:HG2	1:A:33:THR:HA	14	0.12
(1,3677)	1:A:74:GLN:HG3	1:A:33:THR:HA	14	0.12
(1,3677)	1:A:74:GLN:HG2	1:A:34:LEU:HA	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3677)	1:A:74:GLN:HG3	1:A:34:LEU:HA	14	0.12
(1,3677)	1:A:74:GLN:HG2	1:A:33:THR:HA	17	0.12
(1,3677)	1:A:74:GLN:HG3	1:A:33:THR:HA	17	0.12
(1,3677)	1:A:74:GLN:HG2	1:A:34:LEU:HA	17	0.12
(1,3677)	1:A:74:GLN:HG3	1:A:34:LEU:HA	17	0.12
(1,3662)	1:B:10:THR:HA	1:A:81:LEU:HD22	16	0.12
(1,3662)	1:B:10:THR:HA	1:A:81:LEU:HD21	16	0.12
(1,3662)	1:B:10:THR:HA	1:A:81:LEU:HD23	16	0.12
(1,3662)	1:B:10:THR:HA	1:A:87:LEU:HD22	16	0.12
(1,3662)	1:B:10:THR:HA	1:A:87:LEU:HD21	16	0.12
(1,3662)	1:B:10:THR:HA	1:A:87:LEU:HD23	16	0.12
(1,3661)	1:A:10:THR:HA	1:B:81:LEU:HD22	8	0.12
(1,3661)	1:A:10:THR:HA	1:B:81:LEU:HD21	8	0.12
(1,3661)	1:A:10:THR:HA	1:B:81:LEU:HD23	8	0.12
(1,3661)	1:A:10:THR:HA	1:B:87:LEU:HD22	8	0.12
(1,3661)	1:A:10:THR:HA	1:B:87:LEU:HD21	8	0.12
(1,3661)	1:A:10:THR:HA	1:B:87:LEU:HD23	8	0.12
(1,3626)	1:B:34:LEU:HA	1:B:24:TYR:HB2	13	0.12
(1,3626)	1:B:34:LEU:HA	1:B:27:LYS:HE2	13	0.12
(1,3626)	1:B:34:LEU:HA	1:B:27:LYS:HE3	13	0.12
(1,3625)	1:A:34:LEU:HA	1:A:24:TYR:HB2	13	0.12
(1,3625)	1:A:34:LEU:HA	1:A:27:LYS:HE2	13	0.12
(1,3625)	1:A:34:LEU:HA	1:A:27:LYS:HE3	13	0.12
(1,3614)	1:B:36:LYS:HG2	1:B:59:VAL:HG12	18	0.12
(1,3614)	1:B:36:LYS:HG2	1:B:59:VAL:HG11	18	0.12
(1,3614)	1:B:36:LYS:HG2	1:B:59:VAL:HG13	18	0.12
(1,3614)	1:B:36:LYS:HG3	1:B:59:VAL:HG12	18	0.12
(1,3614)	1:B:36:LYS:HG3	1:B:59:VAL:HG11	18	0.12
(1,3614)	1:B:36:LYS:HG3	1:B:59:VAL:HG13	18	0.12
(1,3614)	1:B:52:LYS:HG2	1:B:47:LEU:HG	18	0.12
(1,3614)	1:B:52:LYS:HG3	1:B:47:LEU:HG	18	0.12
(1,3614)	1:B:52:LYS:HG2	1:B:59:VAL:HG12	18	0.12
(1,3614)	1:B:52:LYS:HG2	1:B:59:VAL:HG11	18	0.12
(1,3614)	1:B:52:LYS:HG2	1:B:59:VAL:HG13	18	0.12
(1,3614)	1:B:52:LYS:HG3	1:B:59:VAL:HG12	18	0.12
(1,3614)	1:B:52:LYS:HG3	1:B:59:VAL:HG11	18	0.12
(1,3614)	1:B:52:LYS:HG3	1:B:59:VAL:HG13	18	0.12
(1,3613)	1:A:36:LYS:HG2	1:A:59:VAL:HG12	18	0.12
(1,3613)	1:A:36:LYS:HG2	1:A:59:VAL:HG11	18	0.12
(1,3613)	1:A:36:LYS:HG2	1:A:59:VAL:HG13	18	0.12
(1,3613)	1:A:36:LYS:HG3	1:A:59:VAL:HG12	18	0.12
(1,3613)	1:A:36:LYS:HG3	1:A:59:VAL:HG11	18	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3613)	1:A:36:LYS:HG3	1:A:59:VAL:HG13	18	0.12
(1,3613)	1:A:52:LYS:HG2	1:A:47:LEU:HG	18	0.12
(1,3613)	1:A:52:LYS:HG3	1:A:47:LEU:HG	18	0.12
(1,3613)	1:A:52:LYS:HG2	1:A:59:VAL:HG12	18	0.12
(1,3613)	1:A:52:LYS:HG2	1:A:59:VAL:HG11	18	0.12
(1,3613)	1:A:52:LYS:HG2	1:A:59:VAL:HG13	18	0.12
(1,3613)	1:A:52:LYS:HG3	1:A:59:VAL:HG12	18	0.12
(1,3613)	1:A:52:LYS:HG3	1:A:59:VAL:HG11	18	0.12
(1,3613)	1:A:52:LYS:HG3	1:A:59:VAL:HG13	18	0.12
(1,3605)	1:A:77:PHE:HB3	1:B:88:ALA:HB2	15	0.12
(1,3605)	1:A:77:PHE:HB3	1:B:88:ALA:HB1	15	0.12
(1,3605)	1:A:77:PHE:HB3	1:B:88:ALA:HB3	15	0.12
(1,3605)	1:A:77:PHE:HB3	1:B:90:ALA:HB2	15	0.12
(1,3605)	1:A:77:PHE:HB3	1:B:90:ALA:HB1	15	0.12
(1,3605)	1:A:77:PHE:HB3	1:B:90:ALA:HB3	15	0.12
(1,3605)	1:A:77:PHE:HB3	1:A:17:LEU:HB3	15	0.12
(1,3588)	1:B:75:LEU:HB2	1:B:76:ASP:HB2	8	0.12
(1,3588)	1:B:76:ASP:HB2	1:B:77:PHE:HB3	8	0.12
(1,3587)	1:A:75:LEU:HB2	1:A:76:ASP:HB2	8	0.12
(1,3587)	1:A:76:ASP:HB2	1:A:77:PHE:HB3	8	0.12
(1,3540)	1:B:73:GLY:HA3	1:B:65:LYS:HE2	3	0.12
(1,3540)	1:B:73:GLY:HA3	1:B:65:LYS:HE3	3	0.12
(1,3540)	1:B:73:GLY:HA3	1:B:68:ASP:HB2	3	0.12
(1,3539)	1:A:73:GLY:HA3	1:A:65:LYS:HE2	3	0.12
(1,3539)	1:A:73:GLY:HA3	1:A:65:LYS:HE3	3	0.12
(1,3539)	1:A:73:GLY:HA3	1:A:68:ASP:HB2	3	0.12
(1,3529)	1:A:75:LEU:HB2	1:A:79:GLU:HA	16	0.12
(1,3529)	1:A:34:LEU:HB2	1:A:39:PHE:HA	16	0.12
(1,3506)	1:B:69:THR:HB	1:B:65:LYS:HE2	15	0.12
(1,3506)	1:B:69:THR:HB	1:B:65:LYS:HE3	15	0.12
(1,3506)	1:B:69:THR:HB	1:B:68:ASP:HB2	15	0.12
(1,3506)	1:B:69:THR:HB	1:B:82:ASN:HB2	15	0.12
(1,3505)	1:A:69:THR:HB	1:A:65:LYS:HE2	18	0.12
(1,3505)	1:A:69:THR:HB	1:A:65:LYS:HE3	18	0.12
(1,3505)	1:A:69:THR:HB	1:A:68:ASP:HB2	18	0.12
(1,3505)	1:A:69:THR:HB	1:A:82:ASN:HB2	18	0.12
(1,3500)	1:B:29:GLY:HA2	1:B:28:ASP:HB2	13	0.12
(1,3500)	1:B:73:GLY:HA2	1:B:72:ASP:HB2	13	0.12
(1,3500)	1:B:29:GLY:HA2	1:B:28:ASP:HB2	17	0.12
(1,3500)	1:B:73:GLY:HA2	1:B:72:ASP:HB2	17	0.12
(1,3499)	1:A:29:GLY:HA2	1:A:28:ASP:HB2	13	0.12
(1,3499)	1:A:73:GLY:HA2	1:A:72:ASP:HB2	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3499)	1:A:29:GLY:HA2	1:A:28:ASP:HB2	17	0.12
(1,3499)	1:A:73:GLY:HA2	1:A:72:ASP:HB2	17	0.12
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD22	5	0.12
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD21	5	0.12
(1,3487)	1:A:10:THR:HB	1:B:81:LEU:HD23	5	0.12
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD22	5	0.12
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD21	5	0.12
(1,3487)	1:A:10:THR:HB	1:B:87:LEU:HD23	5	0.12
(1,3468)	1:B:75:LEU:HB3	1:B:33:THR:HA	5	0.12
(1,3468)	1:B:75:LEU:HB3	1:B:34:LEU:HA	5	0.12
(1,3467)	1:A:75:LEU:HB3	1:A:33:THR:HA	5	0.12
(1,3467)	1:A:75:LEU:HB3	1:A:34:LEU:HA	5	0.12
(1,3462)	1:B:84:ILE:HB	1:B:80:PHE:HB3	1	0.12
(1,3462)	1:B:84:ILE:HB	1:B:82:ASN:HB2	1	0.12
(1,3462)	1:B:84:ILE:HB	1:A:13:CYS:HB3	1	0.12
(1,3462)	1:B:84:ILE:HB	1:B:80:PHE:HB3	16	0.12
(1,3462)	1:B:84:ILE:HB	1:B:82:ASN:HB2	16	0.12
(1,3462)	1:B:84:ILE:HB	1:A:13:CYS:HB3	16	0.12
(1,3461)	1:A:84:ILE:HB	1:A:80:PHE:HB3	1	0.12
(1,3461)	1:A:84:ILE:HB	1:A:82:ASN:HB2	1	0.12
(1,3461)	1:A:84:ILE:HB	1:B:13:CYS:HB3	1	0.12
(1,3461)	1:A:84:ILE:HB	1:A:80:PHE:HB3	16	0.12
(1,3461)	1:A:84:ILE:HB	1:A:82:ASN:HB2	16	0.12
(1,3461)	1:A:84:ILE:HB	1:B:13:CYS:HB3	16	0.12
(1,3458)	1:B:11:GLU:HA	1:B:12:ARG:HD2	12	0.12
(1,3458)	1:B:11:GLU:HA	1:B:12:ARG:HD3	12	0.12
(1,3458)	1:B:11:GLU:HA	1:A:50:PHE:HB2	12	0.12
(1,3458)	1:B:11:GLU:HA	1:A:50:PHE:HB3	12	0.12
(1,3458)	1:B:11:GLU:HA	1:B:12:ARG:HD2	18	0.12
(1,3458)	1:B:11:GLU:HA	1:B:12:ARG:HD3	18	0.12
(1,3458)	1:B:11:GLU:HA	1:A:50:PHE:HB2	18	0.12
(1,3458)	1:B:11:GLU:HA	1:A:50:PHE:HB3	18	0.12
(1,3457)	1:A:11:GLU:HA	1:A:12:ARG:HD2	12	0.12
(1,3457)	1:A:11:GLU:HA	1:A:12:ARG:HD3	12	0.12
(1,3457)	1:A:11:GLU:HA	1:B:50:PHE:HB2	12	0.12
(1,3457)	1:A:11:GLU:HA	1:B:50:PHE:HB3	12	0.12
(1,3457)	1:A:11:GLU:HA	1:A:12:ARG:HD2	18	0.12
(1,3457)	1:A:11:GLU:HA	1:A:12:ARG:HD3	18	0.12
(1,3457)	1:A:11:GLU:HA	1:B:50:PHE:HB2	18	0.12
(1,3457)	1:A:11:GLU:HA	1:B:50:PHE:HB3	18	0.12
(1,3424)	1:B:60:LEU:HB2	1:B:37:THR:HA	5	0.12
(1,3424)	1:B:60:LEU:HB2	1:B:52:LYS:HA	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3424)	1:B:60:LEU:HB2	1:B:62:ARG:HA	5	0.12
(1,3424)	1:B:60:LEU:HB2	1:B:63:MET:HA	5	0.12
(1,3423)	1:A:60:LEU:HB2	1:A:37:THR:HA	5	0.12
(1,3423)	1:A:60:LEU:HB2	1:A:52:LYS:HA	5	0.12
(1,3423)	1:A:60:LEU:HB2	1:A:62:ARG:HA	5	0.12
(1,3423)	1:A:60:LEU:HB2	1:A:63:MET:HA	5	0.12
(1,3423)	1:A:60:LEU:HB2	1:A:37:THR:HA	18	0.12
(1,3423)	1:A:60:LEU:HB2	1:A:52:LYS:HA	18	0.12
(1,3423)	1:A:60:LEU:HB2	1:A:62:ARG:HA	18	0.12
(1,3423)	1:A:60:LEU:HB2	1:A:63:MET:HA	18	0.12
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD22	8	0.12
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD21	8	0.12
(1,342)	1:B:69:THR:HB	1:B:75:LEU:HD23	8	0.12
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD22	4	0.12
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD21	4	0.12
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD23	4	0.12
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD22	8	0.12
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD21	8	0.12
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD23	8	0.12
(1,340)	1:B:23:LYS:HA	1:B:22:GLN:H	20	0.12
(1,3390)	1:B:17:LEU:HD22	1:A:14:ILE:HD12	13	0.12
(1,3390)	1:B:17:LEU:HD22	1:A:14:ILE:HD11	13	0.12
(1,3390)	1:B:17:LEU:HD22	1:A:14:ILE:HD13	13	0.12
(1,3390)	1:B:17:LEU:HD21	1:A:14:ILE:HD12	13	0.12
(1,3390)	1:B:17:LEU:HD21	1:A:14:ILE:HD11	13	0.12
(1,3390)	1:B:17:LEU:HD21	1:A:14:ILE:HD13	13	0.12
(1,3390)	1:B:17:LEU:HD23	1:A:14:ILE:HD12	13	0.12
(1,3390)	1:B:17:LEU:HD23	1:A:14:ILE:HD11	13	0.12
(1,3390)	1:B:17:LEU:HD23	1:A:14:ILE:HD13	13	0.12
(1,3390)	1:B:17:LEU:HD22	1:A:17:LEU:HD12	13	0.12
(1,3390)	1:B:17:LEU:HD22	1:A:17:LEU:HD11	13	0.12
(1,3390)	1:B:17:LEU:HD22	1:A:17:LEU:HD13	13	0.12
(1,3390)	1:B:17:LEU:HD21	1:A:17:LEU:HD12	13	0.12
(1,3390)	1:B:17:LEU:HD21	1:A:17:LEU:HD11	13	0.12
(1,3390)	1:B:17:LEU:HD21	1:A:17:LEU:HD13	13	0.12
(1,3390)	1:B:17:LEU:HD23	1:A:17:LEU:HD12	13	0.12
(1,3390)	1:B:17:LEU:HD23	1:A:17:LEU:HD11	13	0.12
(1,3390)	1:B:17:LEU:HD23	1:A:17:LEU:HD13	13	0.12
(1,339)	1:A:23:LYS:HA	1:A:22:GLN:H	20	0.12
(1,3389)	1:A:17:LEU:HD22	1:B:14:ILE:HD12	13	0.12
(1,3389)	1:A:17:LEU:HD22	1:B:14:ILE:HD11	13	0.12
(1,3389)	1:A:17:LEU:HD22	1:B:14:ILE:HD13	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3389)	1:A:17:LEU:HD21	1:B:14:ILE:HD12	13	0.12
(1,3389)	1:A:17:LEU:HD21	1:B:14:ILE:HD11	13	0.12
(1,3389)	1:A:17:LEU:HD21	1:B:14:ILE:HD13	13	0.12
(1,3389)	1:A:17:LEU:HD23	1:B:14:ILE:HD12	13	0.12
(1,3389)	1:A:17:LEU:HD23	1:B:14:ILE:HD11	13	0.12
(1,3389)	1:A:17:LEU:HD23	1:B:14:ILE:HD13	13	0.12
(1,3389)	1:A:17:LEU:HD22	1:B:17:LEU:HD12	13	0.12
(1,3389)	1:A:17:LEU:HD22	1:B:17:LEU:HD11	13	0.12
(1,3389)	1:A:17:LEU:HD22	1:B:17:LEU:HD13	13	0.12
(1,3389)	1:A:17:LEU:HD21	1:B:17:LEU:HD12	13	0.12
(1,3389)	1:A:17:LEU:HD21	1:B:17:LEU:HD11	13	0.12
(1,3389)	1:A:17:LEU:HD21	1:B:17:LEU:HD13	13	0.12
(1,3389)	1:A:17:LEU:HD23	1:B:17:LEU:HD12	13	0.12
(1,3389)	1:A:17:LEU:HD23	1:B:17:LEU:HD11	13	0.12
(1,3389)	1:A:17:LEU:HD23	1:B:17:LEU:HD13	13	0.12
(1,3358)	1:B:88:ALA:HB2	1:A:14:ILE:HB	4	0.12
(1,3358)	1:B:88:ALA:HB1	1:A:14:ILE:HB	4	0.12
(1,3358)	1:B:88:ALA:HB3	1:A:14:ILE:HB	4	0.12
(1,3358)	1:B:88:ALA:HB2	1:A:77:PHE:HB3	4	0.12
(1,3358)	1:B:88:ALA:HB1	1:A:77:PHE:HB3	4	0.12
(1,3358)	1:B:88:ALA:HB3	1:A:77:PHE:HB3	4	0.12
(1,3357)	1:A:88:ALA:HB2	1:B:14:ILE:HB	4	0.12
(1,3357)	1:A:88:ALA:HB1	1:B:14:ILE:HB	4	0.12
(1,3357)	1:A:88:ALA:HB3	1:B:14:ILE:HB	4	0.12
(1,3357)	1:A:88:ALA:HB2	1:B:77:PHE:HB3	4	0.12
(1,3357)	1:A:88:ALA:HB1	1:B:77:PHE:HB3	4	0.12
(1,3357)	1:A:88:ALA:HB3	1:B:77:PHE:HB3	4	0.12
(1,3325)	1:A:72:ASP:H	1:A:71:SER:HA	18	0.12
(1,326)	1:B:96:LEU:HG	1:B:95:PHE:HB2	1	0.12
(1,326)	1:B:96:LEU:HG	1:B:95:PHE:HB3	1	0.12
(1,325)	1:A:96:LEU:HG	1:A:95:PHE:HB2	1	0.12
(1,325)	1:A:96:LEU:HG	1:A:95:PHE:HB3	1	0.12
(1,3170)	1:B:23:LYS:H	1:B:23:LYS:HD2	2	0.12
(1,3170)	1:B:23:LYS:H	1:B:23:LYS:HD3	2	0.12
(1,3170)	1:B:23:LYS:H	1:B:23:LYS:HD2	4	0.12
(1,3170)	1:B:23:LYS:H	1:B:23:LYS:HD3	4	0.12
(1,3170)	1:B:23:LYS:H	1:B:23:LYS:HD2	5	0.12
(1,3170)	1:B:23:LYS:H	1:B:23:LYS:HD3	5	0.12
(1,3170)	1:B:23:LYS:H	1:B:23:LYS:HD2	6	0.12
(1,3170)	1:B:23:LYS:H	1:B:23:LYS:HD3	6	0.12
(1,3170)	1:B:23:LYS:H	1:B:23:LYS:HD2	15	0.12
(1,3170)	1:B:23:LYS:H	1:B:23:LYS:HD3	15	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3169)	1:A:23:LYS:H	1:A:23:LYS:HD2	5	0.12
(1,3169)	1:A:23:LYS:H	1:A:23:LYS:HD3	5	0.12
(1,3169)	1:A:23:LYS:H	1:A:23:LYS:HD2	6	0.12
(1,3169)	1:A:23:LYS:H	1:A:23:LYS:HD3	6	0.12
(1,3169)	1:A:23:LYS:H	1:A:23:LYS:HD2	15	0.12
(1,3169)	1:A:23:LYS:H	1:A:23:LYS:HD3	15	0.12
(1,3166)	1:B:82:ASN:H	1:B:82:ASN:HB3	16	0.12
(1,3165)	1:A:82:ASN:H	1:A:82:ASN:HB3	16	0.12
(1,3144)	1:B:93:ASP:H	1:B:93:ASP:HB2	4	0.12
(1,3143)	1:A:93:ASP:H	1:A:93:ASP:HB2	4	0.12
(1,3138)	1:B:76:ASP:H	1:B:75:LEU:HD22	5	0.12
(1,3138)	1:B:76:ASP:H	1:B:75:LEU:HD21	5	0.12
(1,3138)	1:B:76:ASP:H	1:B:75:LEU:HD23	5	0.12
(1,3138)	1:B:76:ASP:H	1:B:75:LEU:HD22	8	0.12
(1,3138)	1:B:76:ASP:H	1:B:75:LEU:HD21	8	0.12
(1,3138)	1:B:76:ASP:H	1:B:75:LEU:HD23	8	0.12
(1,3138)	1:B:76:ASP:H	1:B:75:LEU:HD22	9	0.12
(1,3138)	1:B:76:ASP:H	1:B:75:LEU:HD21	9	0.12
(1,3138)	1:B:76:ASP:H	1:B:75:LEU:HD23	9	0.12
(1,3137)	1:A:76:ASP:H	1:A:75:LEU:HD22	5	0.12
(1,3137)	1:A:76:ASP:H	1:A:75:LEU:HD21	5	0.12
(1,3137)	1:A:76:ASP:H	1:A:75:LEU:HD23	5	0.12
(1,3137)	1:A:76:ASP:H	1:A:75:LEU:HD22	8	0.12
(1,3137)	1:A:76:ASP:H	1:A:75:LEU:HD21	8	0.12
(1,3137)	1:A:76:ASP:H	1:A:75:LEU:HD23	8	0.12
(1,3137)	1:A:76:ASP:H	1:A:75:LEU:HD22	9	0.12
(1,3137)	1:A:76:ASP:H	1:A:75:LEU:HD21	9	0.12
(1,3137)	1:A:76:ASP:H	1:A:75:LEU:HD23	9	0.12
(1,304)	1:B:22:GLN:HB2	1:B:18:ILE:H	12	0.12
(1,304)	1:B:22:GLN:HB3	1:B:18:ILE:H	12	0.12
(1,303)	1:A:22:GLN:HB2	1:A:18:ILE:H	12	0.12
(1,303)	1:A:22:GLN:HB3	1:A:18:ILE:H	12	0.12
(1,286)	1:B:75:LEU:HB3	1:B:39:PHE:HB3	5	0.12
(1,286)	1:B:75:LEU:HB3	1:B:39:PHE:HB3	12	0.12
(1,285)	1:A:75:LEU:HB3	1:A:39:PHE:HB3	5	0.12
(1,285)	1:A:75:LEU:HB3	1:A:39:PHE:HB3	12	0.12
(1,280)	1:B:17:LEU:HB2	1:B:21:PHE:H	1	0.12
(1,280)	1:B:17:LEU:HB2	1:B:21:PHE:H	7	0.12
(1,279)	1:A:17:LEU:HB2	1:A:21:PHE:H	1	0.12
(1,279)	1:A:17:LEU:HB2	1:A:21:PHE:H	3	0.12
(1,279)	1:A:17:LEU:HB2	1:A:21:PHE:H	7	0.12
(1,2767)	1:A:80:PHE:H	1:A:75:LEU:HB2	12	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2760)	1:B:34:LEU:H	1:B:34:LEU:HD22	6	0.12
(1,2760)	1:B:34:LEU:H	1:B:34:LEU:HD21	6	0.12
(1,2760)	1:B:34:LEU:H	1:B:34:LEU:HD23	6	0.12
(1,2759)	1:A:34:LEU:H	1:A:34:LEU:HD22	6	0.12
(1,2759)	1:A:34:LEU:H	1:A:34:LEU:HD21	6	0.12
(1,2759)	1:A:34:LEU:H	1:A:34:LEU:HD23	6	0.12
(1,2724)	1:B:78:SER:H	1:B:81:LEU:HD12	10	0.12
(1,2724)	1:B:78:SER:H	1:B:81:LEU:HD11	10	0.12
(1,2724)	1:B:78:SER:H	1:B:81:LEU:HD13	10	0.12
(1,2692)	1:B:94:SER:H	1:B:91:CYS:H	4	0.12
(1,2691)	1:A:94:SER:H	1:A:91:CYS:H	4	0.12
(1,2656)	1:B:8:THR:H	1:B:11:GLU:HA	20	0.12
(1,2655)	1:A:8:THR:H	1:A:11:GLU:HA	20	0.12
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD22	2	0.12
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD21	2	0.12
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD23	2	0.12
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD22	15	0.12
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD21	15	0.12
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD23	15	0.12
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD22	19	0.12
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD21	19	0.12
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD23	19	0.12
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD22	20	0.12
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD21	20	0.12
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD23	20	0.12
(1,2635)	1:A:43:MET:H	1:A:34:LEU:HD22	2	0.12
(1,2635)	1:A:43:MET:H	1:A:34:LEU:HD21	2	0.12
(1,2635)	1:A:43:MET:H	1:A:34:LEU:HD23	2	0.12
(1,2635)	1:A:43:MET:H	1:A:34:LEU:HD22	19	0.12
(1,2635)	1:A:43:MET:H	1:A:34:LEU:HD21	19	0.12
(1,2635)	1:A:43:MET:H	1:A:34:LEU:HD23	19	0.12
(1,2635)	1:A:43:MET:H	1:A:34:LEU:HD22	20	0.12
(1,2635)	1:A:43:MET:H	1:A:34:LEU:HD21	20	0.12
(1,2635)	1:A:43:MET:H	1:A:34:LEU:HD23	20	0.12
(1,2592)	1:B:26:GLY:H	1:B:24:TYR:HB3	13	0.12
(1,2570)	1:B:76:ASP:H	1:B:79:GLU:HA	10	0.12
(1,2570)	1:B:76:ASP:H	1:B:79:GLU:HA	20	0.12
(1,2569)	1:A:76:ASP:H	1:A:79:GLU:HA	10	0.12
(1,2569)	1:A:76:ASP:H	1:A:79:GLU:HA	20	0.12
(1,2554)	1:B:38:GLU:H	1:B:40:LEU:HD22	17	0.12
(1,2554)	1:B:38:GLU:H	1:B:40:LEU:HD21	17	0.12
(1,2554)	1:B:38:GLU:H	1:B:40:LEU:HD23	17	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2553)	1:A:38:GLU:H	1:A:40:LEU:HD22	17	0.12
(1,2553)	1:A:38:GLU:H	1:A:40:LEU:HD21	17	0.12
(1,2553)	1:A:38:GLU:H	1:A:40:LEU:HD23	17	0.12
(1,248)	1:B:45:THR:HB	1:B:42:PHE:HA	15	0.12
(1,247)	1:A:45:THR:HB	1:A:42:PHE:HA	15	0.12
(1,2426)	1:B:41:SER:H	1:B:45:THR:H	3	0.12
(1,2426)	1:B:41:SER:H	1:B:45:THR:H	8	0.12
(1,2425)	1:A:41:SER:H	1:A:45:THR:H	8	0.12
(1,2414)	1:B:25:ALA:H	1:B:35:SER:H	13	0.12
(1,2413)	1:A:25:ALA:H	1:A:35:SER:H	13	0.12
(1,2149)	1:A:23:LYS:HG2	1:A:23:LYS:HE2	17	0.12
(1,2149)	1:A:23:LYS:HG2	1:A:23:LYS:HE3	17	0.12
(1,202)	1:B:33:THR:HA	1:B:75:LEU:HA	13	0.12
(1,201)	1:A:33:THR:HA	1:A:75:LEU:HA	13	0.12
(1,192)	1:B:67:LEU:HB2	1:B:63:MET:HB2	9	0.12
(1,192)	1:B:67:LEU:HB2	1:B:63:MET:HB2	13	0.12
(1,191)	1:A:67:LEU:HB2	1:A:63:MET:HB2	9	0.12
(1,191)	1:A:67:LEU:HB2	1:A:63:MET:HB2	13	0.12
(1,1848)	1:B:59:VAL:HG22	1:B:60:LEU:HA	10	0.12
(1,1848)	1:B:59:VAL:HG21	1:B:60:LEU:HA	10	0.12
(1,1848)	1:B:59:VAL:HG23	1:B:60:LEU:HA	10	0.12
(1,1847)	1:A:59:VAL:HG22	1:A:60:LEU:HA	3	0.12
(1,1847)	1:A:59:VAL:HG21	1:A:60:LEU:HA	3	0.12
(1,1847)	1:A:59:VAL:HG23	1:A:60:LEU:HA	3	0.12
(1,1847)	1:A:59:VAL:HG22	1:A:60:LEU:HA	10	0.12
(1,1847)	1:A:59:VAL:HG21	1:A:60:LEU:HA	10	0.12
(1,1847)	1:A:59:VAL:HG23	1:A:60:LEU:HA	10	0.12
(1,1828)	1:B:57:PRO:HD2	1:B:57:PRO:HA	15	0.12
(1,1828)	1:B:57:PRO:HD3	1:B:57:PRO:HA	15	0.12
(1,1827)	1:A:57:PRO:HD2	1:A:57:PRO:HA	15	0.12
(1,1827)	1:A:57:PRO:HD3	1:A:57:PRO:HA	15	0.12
(1,1740)	1:B:23:LYS:HE2	1:A:8:THR:HB	17	0.12
(1,1740)	1:B:23:LYS:HE3	1:A:8:THR:HB	17	0.12
(1,166)	1:B:11:GLU:HG3	1:B:10:THR:H	12	0.12
(1,161)	1:A:76:ASP:HB2	1:A:33:THR:HB	3	0.12
(1,161)	1:A:76:ASP:HB2	1:A:33:THR:HB	13	0.12
(1,1237)	1:A:62:ARG:HB3	1:A:59:VAL:HA	6	0.12
(1,1222)	1:B:89:MET:HG2	1:B:88:ALA:HB2	3	0.12
(1,1222)	1:B:89:MET:HG2	1:B:88:ALA:HB1	3	0.12
(1,1222)	1:B:89:MET:HG2	1:B:88:ALA:HB3	3	0.12
(1,1222)	1:B:89:MET:HG2	1:B:88:ALA:HB2	6	0.12
(1,1222)	1:B:89:MET:HG2	1:B:88:ALA:HB1	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1222)	1:B:89:MET:HG2	1:B:88:ALA:HB3	6	0.12
(1,1222)	1:B:89:MET:HG2	1:B:88:ALA:HB2	13	0.12
(1,1222)	1:B:89:MET:HG2	1:B:88:ALA:HB1	13	0.12
(1,1222)	1:B:89:MET:HG2	1:B:88:ALA:HB3	13	0.12
(1,1221)	1:A:89:MET:HG2	1:A:88:ALA:HB2	13	0.12
(1,1221)	1:A:89:MET:HG2	1:A:88:ALA:HB1	13	0.12
(1,1221)	1:A:89:MET:HG2	1:A:88:ALA:HB3	13	0.12
(1,1058)	1:B:68:ASP:HA	1:B:67:LEU:HB2	9	0.12
(1,1057)	1:A:68:ASP:HA	1:A:67:LEU:HB2	9	0.12
(3,86)	1:B:44:ASN:H	1:B:40:LEU:O	20	0.11
(3,79)	1:B:25:ALA:N	1:B:21:PHE:O	17	0.11
(3,78)	1:B:24:TYR:H	1:B:20:VAL:O	8	0.11
(3,78)	1:B:24:TYR:H	1:B:20:VAL:O	10	0.11
(3,49)	1:A:92:HIS:N	1:A:88:ALA:O	1	0.11
(3,49)	1:A:92:HIS:N	1:A:88:ALA:O	6	0.11
(3,49)	1:A:92:HIS:N	1:A:88:ALA:O	12	0.11
(3,49)	1:A:92:HIS:N	1:A:88:ALA:O	17	0.11
(3,21)	1:A:25:ALA:N	1:A:21:PHE:O	17	0.11
(3,20)	1:A:24:TYR:H	1:A:20:VAL:O	8	0.11
(3,20)	1:A:24:TYR:H	1:A:20:VAL:O	10	0.11
(3,107)	1:B:92:HIS:N	1:B:88:ALA:O	6	0.11
(3,107)	1:B:92:HIS:N	1:B:88:ALA:O	12	0.11
(3,107)	1:B:92:HIS:N	1:B:88:ALA:O	17	0.11
(2,92)	1:B:44:ASN:HB3	1:B:47:LEU:H	18	0.11
(2,91)	1:A:44:ASN:HB3	1:A:47:LEU:H	18	0.11
(2,58)	1:B:8:THR:HB	1:A:45:THR:HB	2	0.11
(2,58)	1:B:8:THR:HB	1:A:45:THR:HB	10	0.11
(2,57)	1:A:8:THR:HB	1:B:45:THR:HB	2	0.11
(2,57)	1:A:8:THR:HB	1:B:45:THR:HB	10	0.11
(2,57)	1:A:8:THR:HB	1:B:45:THR:HB	17	0.11
(2,48)	1:B:67:LEU:HA	1:B:64:MET:HA	14	0.11
(2,47)	1:A:67:LEU:HA	1:A:64:MET:HA	14	0.11
(2,38)	1:B:65:LYS:H	1:B:63:MET:HG2	11	0.11
(2,37)	1:A:65:LYS:H	1:A:63:MET:HG2	11	0.11
(2,32)	1:B:38:GLU:HA	1:B:34:LEU:HA	8	0.11
(2,28)	1:B:16:SER:HA	1:B:21:PHE:H	20	0.11
(2,180)	1:B:13:CYS:H	1:B:11:GLU:HG2	4	0.11
(2,179)	1:A:13:CYS:H	1:A:11:GLU:HG2	16	0.11
(2,122)	1:B:76:ASP:HB3	1:B:68:ASP:HA	11	0.11
(2,121)	1:A:76:ASP:HB3	1:A:68:ASP:HA	11	0.11
(1,988)	1:B:87:LEU:HB2	1:B:86:GLY:H	1	0.11
(1,988)	1:B:87:LEU:HB2	1:B:86:GLY:H	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,987)	1:A:87:LEU:HB2	1:A:86:GLY:H	1	0.11
(1,987)	1:A:87:LEU:HB2	1:A:86:GLY:H	8	0.11
(1,987)	1:A:87:LEU:HB2	1:A:86:GLY:H	18	0.11
(1,985)	1:A:61:ASP:H	1:A:58:GLY:HA3	20	0.11
(1,97)	1:A:9:GLU:HB2	1:B:20:VAL:HB	17	0.11
(1,97)	1:A:9:GLU:HB3	1:B:20:VAL:HB	17	0.11
(1,950)	1:B:94:SER:HB2	1:B:91:CYS:HB2	16	0.11
(1,950)	1:B:94:SER:HB2	1:B:91:CYS:HB3	16	0.11
(1,950)	1:B:94:SER:HB3	1:B:91:CYS:HB2	16	0.11
(1,950)	1:B:94:SER:HB3	1:B:91:CYS:HB3	16	0.11
(1,949)	1:A:94:SER:HB2	1:A:91:CYS:HB2	16	0.11
(1,949)	1:A:94:SER:HB2	1:A:91:CYS:HB3	16	0.11
(1,949)	1:A:94:SER:HB3	1:A:91:CYS:HB2	16	0.11
(1,949)	1:A:94:SER:HB3	1:A:91:CYS:HB3	16	0.11
(1,948)	1:B:13:CYS:HB2	1:B:10:THR:HG21	4	0.11
(1,948)	1:B:13:CYS:HB2	1:B:10:THR:HG22	4	0.11
(1,948)	1:B:13:CYS:HB2	1:B:10:THR:HG23	4	0.11
(1,948)	1:B:13:CYS:HB2	1:B:10:THR:HG21	13	0.11
(1,948)	1:B:13:CYS:HB2	1:B:10:THR:HG22	13	0.11
(1,948)	1:B:13:CYS:HB2	1:B:10:THR:HG23	13	0.11
(1,947)	1:A:13:CYS:HB2	1:A:10:THR:HG21	4	0.11
(1,947)	1:A:13:CYS:HB2	1:A:10:THR:HG22	4	0.11
(1,947)	1:A:13:CYS:HB2	1:A:10:THR:HG23	4	0.11
(1,947)	1:A:13:CYS:HB2	1:A:10:THR:HG21	13	0.11
(1,947)	1:A:13:CYS:HB2	1:A:10:THR:HG22	13	0.11
(1,947)	1:A:13:CYS:HB2	1:A:10:THR:HG23	13	0.11
(1,940)	1:B:35:SER:HA	1:B:34:LEU:HA	7	0.11
(1,940)	1:B:35:SER:HA	1:B:34:LEU:HA	10	0.11
(1,940)	1:B:35:SER:HA	1:B:34:LEU:HA	11	0.11
(1,940)	1:B:35:SER:HA	1:B:34:LEU:HA	19	0.11
(1,939)	1:A:35:SER:HA	1:A:34:LEU:HA	7	0.11
(1,939)	1:A:35:SER:HA	1:A:34:LEU:HA	8	0.11
(1,939)	1:A:35:SER:HA	1:A:34:LEU:HA	10	0.11
(1,939)	1:A:35:SER:HA	1:A:34:LEU:HA	11	0.11
(1,939)	1:A:35:SER:HA	1:A:34:LEU:HA	19	0.11
(1,90)	1:B:15:GLU:HB2	1:A:9:GLU:HG2	14	0.11
(1,90)	1:B:15:GLU:HB2	1:A:9:GLU:HG3	14	0.11
(1,90)	1:B:15:GLU:HB3	1:A:9:GLU:HG2	14	0.11
(1,90)	1:B:15:GLU:HB3	1:A:9:GLU:HG3	14	0.11
(1,90)	1:B:15:GLU:HB2	1:A:9:GLU:HG2	17	0.11
(1,90)	1:B:15:GLU:HB2	1:A:9:GLU:HG3	17	0.11
(1,90)	1:B:15:GLU:HB3	1:A:9:GLU:HG2	17	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,90)	1:B:15:GLU:HB3	1:A:9:GLU:HG3	17	0.11
(1,88)	1:B:15:GLU:HB2	1:A:9:GLU:HG2	14	0.11
(1,88)	1:B:15:GLU:HB2	1:A:9:GLU:HG3	14	0.11
(1,88)	1:B:15:GLU:HB3	1:A:9:GLU:HG2	14	0.11
(1,88)	1:B:15:GLU:HB3	1:A:9:GLU:HG3	14	0.11
(1,88)	1:B:15:GLU:HB2	1:A:9:GLU:HG2	17	0.11
(1,88)	1:B:15:GLU:HB2	1:A:9:GLU:HG3	17	0.11
(1,88)	1:B:15:GLU:HB3	1:A:9:GLU:HG2	17	0.11
(1,88)	1:B:15:GLU:HB3	1:A:9:GLU:HG3	17	0.11
(1,828)	1:B:40:LEU:HA	1:B:39:PHE:HB2	19	0.11
(1,743)	1:A:13:CYS:HB3	1:A:10:THR:HG21	20	0.11
(1,743)	1:A:13:CYS:HB3	1:A:10:THR:HG22	20	0.11
(1,743)	1:A:13:CYS:HB3	1:A:10:THR:HG23	20	0.11
(1,686)	1:B:84:ILE:HB	1:B:83:LEU:HG	8	0.11
(1,686)	1:B:84:ILE:HB	1:B:83:LEU:HG	20	0.11
(1,685)	1:A:84:ILE:HB	1:A:83:LEU:HG	8	0.11
(1,674)	1:B:13:CYS:HB2	1:B:14:ILE:HG12	7	0.11
(1,674)	1:B:13:CYS:HB2	1:B:14:ILE:HG13	7	0.11
(1,673)	1:A:13:CYS:HB2	1:A:14:ILE:HG12	7	0.11
(1,673)	1:A:13:CYS:HB2	1:A:14:ILE:HG13	7	0.11
(1,627)	1:A:89:MET:HG2	1:B:81:LEU:HG	17	0.11
(1,610)	1:B:63:MET:H	1:B:62:ARG:HG2	16	0.11
(1,609)	1:A:63:MET:H	1:A:62:ARG:HG2	16	0.11
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD22	20	0.11
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD21	20	0.11
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD23	20	0.11
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD12	20	0.11
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD11	20	0.11
(1,5658)	1:B:47:LEU:H	1:B:47:LEU:HD13	20	0.11
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD22	20	0.11
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD21	20	0.11
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD23	20	0.11
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD12	20	0.11
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD11	20	0.11
(1,5657)	1:A:47:LEU:H	1:A:47:LEU:HD13	20	0.11
(1,5622)	1:B:47:LEU:H	1:B:45:THR:HG21	3	0.11
(1,5622)	1:B:47:LEU:H	1:B:45:THR:HG22	3	0.11
(1,5622)	1:B:47:LEU:H	1:B:45:THR:HG23	3	0.11
(1,5622)	1:B:47:LEU:H	1:B:48:ALA:HB2	3	0.11
(1,5622)	1:B:47:LEU:H	1:B:48:ALA:HB1	3	0.11
(1,5622)	1:B:47:LEU:H	1:B:48:ALA:HB3	3	0.11
(1,5622)	1:B:47:LEU:H	1:B:45:THR:HG21	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5622)	1:B:47:LEU:H	1:B:45:THR:HG22	19	0.11
(1,5622)	1:B:47:LEU:H	1:B:45:THR:HG23	19	0.11
(1,5622)	1:B:47:LEU:H	1:B:48:ALA:HB2	19	0.11
(1,5622)	1:B:47:LEU:H	1:B:48:ALA:HB1	19	0.11
(1,5622)	1:B:47:LEU:H	1:B:48:ALA:HB3	19	0.11
(1,5621)	1:A:47:LEU:H	1:A:45:THR:HG21	3	0.11
(1,5621)	1:A:47:LEU:H	1:A:45:THR:HG22	3	0.11
(1,5621)	1:A:47:LEU:H	1:A:45:THR:HG23	3	0.11
(1,5621)	1:A:47:LEU:H	1:A:48:ALA:HB2	3	0.11
(1,5621)	1:A:47:LEU:H	1:A:48:ALA:HB1	3	0.11
(1,5621)	1:A:47:LEU:H	1:A:48:ALA:HB3	3	0.11
(1,5621)	1:A:47:LEU:H	1:A:45:THR:HG21	19	0.11
(1,5621)	1:A:47:LEU:H	1:A:45:THR:HG22	19	0.11
(1,5621)	1:A:47:LEU:H	1:A:45:THR:HG23	19	0.11
(1,5621)	1:A:47:LEU:H	1:A:48:ALA:HB2	19	0.11
(1,5621)	1:A:47:LEU:H	1:A:48:ALA:HB1	19	0.11
(1,5621)	1:A:47:LEU:H	1:A:48:ALA:HB3	19	0.11
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG22	12	0.11
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG21	12	0.11
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG23	12	0.11
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG12	12	0.11
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG11	12	0.11
(1,5600)	1:B:61:ASP:H	1:B:59:VAL:HG13	12	0.11
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG22	12	0.11
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG21	12	0.11
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG23	12	0.11
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG12	12	0.11
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG11	12	0.11
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG13	12	0.11
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG22	20	0.11
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG21	20	0.11
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG23	20	0.11
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG12	20	0.11
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG11	20	0.11
(1,5599)	1:A:61:ASP:H	1:A:59:VAL:HG13	20	0.11
(1,5530)	1:B:36:LYS:H	1:B:40:LEU:HD22	3	0.11
(1,5530)	1:B:36:LYS:H	1:B:40:LEU:HD21	3	0.11
(1,5530)	1:B:36:LYS:H	1:B:40:LEU:HD23	3	0.11
(1,5530)	1:B:39:PHE:H	1:B:40:LEU:HD22	3	0.11
(1,5530)	1:B:39:PHE:H	1:B:40:LEU:HD21	3	0.11
(1,5530)	1:B:39:PHE:H	1:B:40:LEU:HD23	3	0.11
(1,5530)	1:B:36:LYS:H	1:B:40:LEU:HD22	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5530)	1:B:36:LYS:H	1:B:40:LEU:HD21	8	0.11
(1,5530)	1:B:36:LYS:H	1:B:40:LEU:HD23	8	0.11
(1,5530)	1:B:39:PHE:H	1:B:40:LEU:HD22	8	0.11
(1,5530)	1:B:39:PHE:H	1:B:40:LEU:HD21	8	0.11
(1,5530)	1:B:39:PHE:H	1:B:40:LEU:HD23	8	0.11
(1,5529)	1:A:36:LYS:H	1:A:40:LEU:HD22	3	0.11
(1,5529)	1:A:36:LYS:H	1:A:40:LEU:HD21	3	0.11
(1,5529)	1:A:36:LYS:H	1:A:40:LEU:HD23	3	0.11
(1,5529)	1:A:39:PHE:H	1:A:40:LEU:HD22	3	0.11
(1,5529)	1:A:39:PHE:H	1:A:40:LEU:HD21	3	0.11
(1,5529)	1:A:39:PHE:H	1:A:40:LEU:HD23	3	0.11
(1,5480)	1:B:86:GLY:H	1:B:67:LEU:HD22	10	0.11
(1,5480)	1:B:86:GLY:H	1:B:67:LEU:HD21	10	0.11
(1,5480)	1:B:86:GLY:H	1:B:67:LEU:HD23	10	0.11
(1,5480)	1:B:86:GLY:H	1:B:67:LEU:HD12	10	0.11
(1,5480)	1:B:86:GLY:H	1:B:67:LEU:HD11	10	0.11
(1,5480)	1:B:86:GLY:H	1:B:67:LEU:HD13	10	0.11
(1,5480)	1:B:86:GLY:H	1:B:83:LEU:HD22	10	0.11
(1,5480)	1:B:86:GLY:H	1:B:83:LEU:HD21	10	0.11
(1,5480)	1:B:86:GLY:H	1:B:83:LEU:HD23	10	0.11
(1,5479)	1:A:86:GLY:H	1:A:67:LEU:HD22	10	0.11
(1,5479)	1:A:86:GLY:H	1:A:67:LEU:HD21	10	0.11
(1,5479)	1:A:86:GLY:H	1:A:67:LEU:HD23	10	0.11
(1,5479)	1:A:86:GLY:H	1:A:67:LEU:HD12	10	0.11
(1,5479)	1:A:86:GLY:H	1:A:67:LEU:HD11	10	0.11
(1,5479)	1:A:86:GLY:H	1:A:67:LEU:HD13	10	0.11
(1,5479)	1:A:86:GLY:H	1:A:83:LEU:HD22	10	0.11
(1,5479)	1:A:86:GLY:H	1:A:83:LEU:HD21	10	0.11
(1,5479)	1:A:86:GLY:H	1:A:83:LEU:HD23	10	0.11
(1,5444)	1:B:95:PHE:H	1:B:96:LEU:HB3	2	0.11
(1,5444)	1:B:95:PHE:H	1:B:98:ALA:HB2	2	0.11
(1,5444)	1:B:95:PHE:H	1:B:98:ALA:HB1	2	0.11
(1,5444)	1:B:95:PHE:H	1:B:98:ALA:HB3	2	0.11
(1,5443)	1:A:95:PHE:H	1:A:96:LEU:HB3	2	0.11
(1,5443)	1:A:95:PHE:H	1:A:98:ALA:HB2	2	0.11
(1,5443)	1:A:95:PHE:H	1:A:98:ALA:HB1	2	0.11
(1,5443)	1:A:95:PHE:H	1:A:98:ALA:HB3	2	0.11
(1,54)	1:B:83:LEU:HD22	1:A:14:ILE:HG12	14	0.11
(1,54)	1:B:83:LEU:HD22	1:A:14:ILE:HG13	14	0.11
(1,54)	1:B:83:LEU:HD21	1:A:14:ILE:HG12	14	0.11
(1,54)	1:B:83:LEU:HD21	1:A:14:ILE:HG13	14	0.11
(1,54)	1:B:83:LEU:HD23	1:A:14:ILE:HG12	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,54)	1:B:83:LEU:HD23	1:A:14:ILE:HG13	14	0.11
(1,5351)	1:A:41:SER:H	1:A:39:PHE:HB3	4	0.11
(1,5351)	1:A:41:SER:H	1:A:42:PHE:HB2	4	0.11
(1,5351)	1:A:41:SER:H	1:A:39:PHE:HB3	10	0.11
(1,5351)	1:A:41:SER:H	1:A:42:PHE:HB2	10	0.11
(1,5332)	1:B:21:PHE:H	1:B:18:ILE:HG22	16	0.11
(1,5332)	1:B:21:PHE:H	1:B:18:ILE:HG21	16	0.11
(1,5332)	1:B:21:PHE:H	1:B:18:ILE:HG23	16	0.11
(1,5332)	1:B:21:PHE:H	1:B:81:LEU:HD22	16	0.11
(1,5332)	1:B:21:PHE:H	1:B:81:LEU:HD21	16	0.11
(1,5332)	1:B:21:PHE:H	1:B:81:LEU:HD23	16	0.11
(1,5328)	1:B:99:VAL:H	1:B:96:LEU:HD22	11	0.11
(1,5328)	1:B:99:VAL:H	1:B:96:LEU:HD21	11	0.11
(1,5328)	1:B:99:VAL:H	1:B:96:LEU:HD23	11	0.11
(1,5328)	1:B:99:VAL:H	1:B:96:LEU:HD12	11	0.11
(1,5328)	1:B:99:VAL:H	1:B:96:LEU:HD11	11	0.11
(1,5328)	1:B:99:VAL:H	1:B:96:LEU:HD13	11	0.11
(1,5327)	1:A:99:VAL:H	1:A:96:LEU:HD22	11	0.11
(1,5327)	1:A:99:VAL:H	1:A:96:LEU:HD21	11	0.11
(1,5327)	1:A:99:VAL:H	1:A:96:LEU:HD23	11	0.11
(1,5327)	1:A:99:VAL:H	1:A:96:LEU:HD12	11	0.11
(1,5327)	1:A:99:VAL:H	1:A:96:LEU:HD11	11	0.11
(1,5327)	1:A:99:VAL:H	1:A:96:LEU:HD13	11	0.11
(1,53)	1:A:83:LEU:HD22	1:B:14:ILE:HG12	14	0.11
(1,53)	1:A:83:LEU:HD22	1:B:14:ILE:HG13	14	0.11
(1,53)	1:A:83:LEU:HD21	1:B:14:ILE:HG12	14	0.11
(1,53)	1:A:83:LEU:HD21	1:B:14:ILE:HG13	14	0.11
(1,53)	1:A:83:LEU:HD23	1:B:14:ILE:HG12	14	0.11
(1,53)	1:A:83:LEU:HD23	1:B:14:ILE:HG13	14	0.11
(1,53)	1:A:83:LEU:HD22	1:B:14:ILE:HG12	19	0.11
(1,53)	1:A:83:LEU:HD22	1:B:14:ILE:HG13	19	0.11
(1,53)	1:A:83:LEU:HD21	1:B:14:ILE:HG12	19	0.11
(1,53)	1:A:83:LEU:HD21	1:B:14:ILE:HG13	19	0.11
(1,53)	1:A:83:LEU:HD23	1:B:14:ILE:HG12	19	0.11
(1,53)	1:A:83:LEU:HD23	1:B:14:ILE:HG13	19	0.11
(1,53)	1:A:83:LEU:HD22	1:B:14:ILE:HG12	20	0.11
(1,53)	1:A:83:LEU:HD22	1:B:14:ILE:HG13	20	0.11
(1,53)	1:A:83:LEU:HD21	1:B:14:ILE:HG12	20	0.11
(1,53)	1:A:83:LEU:HD21	1:B:14:ILE:HG13	20	0.11
(1,53)	1:A:83:LEU:HD23	1:B:14:ILE:HG12	20	0.11
(1,53)	1:A:83:LEU:HD23	1:B:14:ILE:HG13	20	0.11
(1,5216)	1:B:34:LEU:H	1:B:21:PHE:HB3	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5216)	1:B:34:LEU:H	1:B:22:GLN:HG2	8	0.11
(1,5216)	1:B:34:LEU:H	1:B:22:GLN:HG3	8	0.11
(1,5216)	1:B:34:LEU:H	1:B:64:MET:HG2	8	0.11
(1,5216)	1:B:34:LEU:H	1:B:64:MET:HG3	8	0.11
(1,5216)	1:B:34:LEU:H	1:B:77:PHE:HB2	8	0.11
(1,5215)	1:A:34:LEU:H	1:A:21:PHE:HB3	8	0.11
(1,5215)	1:A:34:LEU:H	1:A:22:GLN:HG2	8	0.11
(1,5215)	1:A:34:LEU:H	1:A:22:GLN:HG3	8	0.11
(1,5215)	1:A:34:LEU:H	1:A:64:MET:HG2	8	0.11
(1,5215)	1:A:34:LEU:H	1:A:64:MET:HG3	8	0.11
(1,5215)	1:A:34:LEU:H	1:A:77:PHE:HB2	8	0.11
(1,5214)	1:B:77:PHE:H	1:B:34:LEU:HB3	5	0.11
(1,5214)	1:B:77:PHE:H	1:B:81:LEU:HB2	5	0.11
(1,5214)	1:B:77:PHE:H	1:A:88:ALA:HB2	5	0.11
(1,5214)	1:B:77:PHE:H	1:A:88:ALA:HB1	5	0.11
(1,5214)	1:B:77:PHE:H	1:A:88:ALA:HB3	5	0.11
(1,5214)	1:B:77:PHE:H	1:A:96:LEU:HB2	5	0.11
(1,5214)	1:B:77:PHE:H	1:B:34:LEU:HB3	10	0.11
(1,5214)	1:B:77:PHE:H	1:B:81:LEU:HB2	10	0.11
(1,5214)	1:B:77:PHE:H	1:A:88:ALA:HB2	10	0.11
(1,5214)	1:B:77:PHE:H	1:A:88:ALA:HB1	10	0.11
(1,5214)	1:B:77:PHE:H	1:A:88:ALA:HB3	10	0.11
(1,5214)	1:B:77:PHE:H	1:A:96:LEU:HB2	10	0.11
(1,5214)	1:B:77:PHE:H	1:B:34:LEU:HB3	16	0.11
(1,5214)	1:B:77:PHE:H	1:B:81:LEU:HB2	16	0.11
(1,5214)	1:B:77:PHE:H	1:A:88:ALA:HB2	16	0.11
(1,5214)	1:B:77:PHE:H	1:A:88:ALA:HB1	16	0.11
(1,5214)	1:B:77:PHE:H	1:A:88:ALA:HB3	16	0.11
(1,5214)	1:B:77:PHE:H	1:A:96:LEU:HB2	16	0.11
(1,5214)	1:B:77:PHE:H	1:B:34:LEU:HB3	18	0.11
(1,5214)	1:B:77:PHE:H	1:B:81:LEU:HB2	18	0.11
(1,5214)	1:B:77:PHE:H	1:A:88:ALA:HB2	18	0.11
(1,5214)	1:B:77:PHE:H	1:A:88:ALA:HB1	18	0.11
(1,5214)	1:B:77:PHE:H	1:A:88:ALA:HB3	18	0.11
(1,5214)	1:B:77:PHE:H	1:A:96:LEU:HB2	18	0.11
(1,5213)	1:A:77:PHE:H	1:A:34:LEU:HB3	4	0.11
(1,5213)	1:A:77:PHE:H	1:A:81:LEU:HB2	4	0.11
(1,5213)	1:A:77:PHE:H	1:B:88:ALA:HB2	4	0.11
(1,5213)	1:A:77:PHE:H	1:B:88:ALA:HB1	4	0.11
(1,5213)	1:A:77:PHE:H	1:B:88:ALA:HB3	4	0.11
(1,5213)	1:A:77:PHE:H	1:B:96:LEU:HB2	4	0.11
(1,5213)	1:A:77:PHE:H	1:A:34:LEU:HB3	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5213)	1:A:77:PHE:H	1:A:81:LEU:HB2	5	0.11
(1,5213)	1:A:77:PHE:H	1:B:88:ALA:HB2	5	0.11
(1,5213)	1:A:77:PHE:H	1:B:88:ALA:HB1	5	0.11
(1,5213)	1:A:77:PHE:H	1:B:88:ALA:HB3	5	0.11
(1,5213)	1:A:77:PHE:H	1:B:96:LEU:HB2	5	0.11
(1,5213)	1:A:77:PHE:H	1:A:34:LEU:HB3	10	0.11
(1,5213)	1:A:77:PHE:H	1:A:81:LEU:HB2	10	0.11
(1,5213)	1:A:77:PHE:H	1:B:88:ALA:HB2	10	0.11
(1,5213)	1:A:77:PHE:H	1:B:88:ALA:HB1	10	0.11
(1,5213)	1:A:77:PHE:H	1:B:88:ALA:HB3	10	0.11
(1,5213)	1:A:77:PHE:H	1:B:96:LEU:HB2	10	0.11
(1,5213)	1:A:77:PHE:H	1:A:34:LEU:HB3	16	0.11
(1,5213)	1:A:77:PHE:H	1:A:81:LEU:HB2	16	0.11
(1,5213)	1:A:77:PHE:H	1:B:88:ALA:HB2	16	0.11
(1,5213)	1:A:77:PHE:H	1:B:88:ALA:HB1	16	0.11
(1,5213)	1:A:77:PHE:H	1:B:88:ALA:HB3	16	0.11
(1,5213)	1:A:77:PHE:H	1:B:96:LEU:HB2	16	0.11
(1,5213)	1:A:77:PHE:H	1:A:34:LEU:HB3	18	0.11
(1,5213)	1:A:77:PHE:H	1:A:81:LEU:HB2	18	0.11
(1,5213)	1:A:77:PHE:H	1:B:88:ALA:HB2	18	0.11
(1,5213)	1:A:77:PHE:H	1:B:88:ALA:HB1	18	0.11
(1,5213)	1:A:77:PHE:H	1:B:88:ALA:HB3	18	0.11
(1,5213)	1:A:77:PHE:H	1:B:96:LEU:HB2	18	0.11
(1,5213)	1:A:77:PHE:H	1:A:34:LEU:HB3	20	0.11
(1,5213)	1:A:77:PHE:H	1:A:81:LEU:HB2	20	0.11
(1,5213)	1:A:77:PHE:H	1:B:88:ALA:HB2	20	0.11
(1,5213)	1:A:77:PHE:H	1:B:88:ALA:HB1	20	0.11
(1,5213)	1:A:77:PHE:H	1:B:88:ALA:HB3	20	0.11
(1,5213)	1:A:77:PHE:H	1:B:96:LEU:HB2	20	0.11
(1,5202)	1:B:40:LEU:H	1:B:63:MET:HB2	14	0.11
(1,5202)	1:B:40:LEU:H	1:B:64:MET:HG2	14	0.11
(1,5202)	1:B:40:LEU:H	1:B:64:MET:HG3	14	0.11
(1,5202)	1:B:40:LEU:H	1:B:63:MET:HB2	16	0.11
(1,5202)	1:B:40:LEU:H	1:B:64:MET:HG2	16	0.11
(1,5202)	1:B:40:LEU:H	1:B:64:MET:HG3	16	0.11
(1,5201)	1:A:40:LEU:H	1:A:63:MET:HB2	14	0.11
(1,5201)	1:A:40:LEU:H	1:A:64:MET:HG2	14	0.11
(1,5201)	1:A:40:LEU:H	1:A:64:MET:HG3	14	0.11
(1,5201)	1:A:40:LEU:H	1:A:63:MET:HB2	16	0.11
(1,5201)	1:A:40:LEU:H	1:A:64:MET:HG2	16	0.11
(1,5201)	1:A:40:LEU:H	1:A:64:MET:HG3	16	0.11
(1,5196)	1:B:73:GLY:H	1:B:75:LEU:HB3	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG21	9	0.11
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG22	9	0.11
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG23	9	0.11
(1,5196)	1:B:73:GLY:H	1:B:75:LEU:HB3	18	0.11
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG21	18	0.11
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG22	18	0.11
(1,5196)	1:B:73:GLY:H	1:B:69:THR:HG23	18	0.11
(1,5195)	1:A:73:GLY:H	1:A:75:LEU:HB3	9	0.11
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG21	9	0.11
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG22	9	0.11
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG23	9	0.11
(1,5195)	1:A:73:GLY:H	1:A:75:LEU:HB3	18	0.11
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG21	18	0.11
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG22	18	0.11
(1,5195)	1:A:73:GLY:H	1:A:69:THR:HG23	18	0.11
(1,5030)	1:B:62:ARG:HG3	1:B:62:ARG:HA	2	0.11
(1,5030)	1:B:65:LYS:HG2	1:B:65:LYS:HA	2	0.11
(1,5030)	1:B:65:LYS:HG3	1:B:65:LYS:HA	2	0.11
(1,5030)	1:B:62:ARG:HG3	1:B:62:ARG:HA	7	0.11
(1,5030)	1:B:65:LYS:HG2	1:B:65:LYS:HA	7	0.11
(1,5030)	1:B:65:LYS:HG3	1:B:65:LYS:HA	7	0.11
(1,5029)	1:A:62:ARG:HG3	1:A:62:ARG:HA	2	0.11
(1,5029)	1:A:65:LYS:HG2	1:A:65:LYS:HA	2	0.11
(1,5029)	1:A:65:LYS:HG3	1:A:65:LYS:HA	2	0.11
(1,5029)	1:A:62:ARG:HG3	1:A:62:ARG:HA	6	0.11
(1,5029)	1:A:65:LYS:HG2	1:A:65:LYS:HA	6	0.11
(1,5029)	1:A:65:LYS:HG3	1:A:65:LYS:HA	6	0.11
(1,5029)	1:A:62:ARG:HG3	1:A:62:ARG:HA	7	0.11
(1,5029)	1:A:65:LYS:HG2	1:A:65:LYS:HA	7	0.11
(1,5029)	1:A:65:LYS:HG3	1:A:65:LYS:HA	7	0.11
(1,4973)	1:A:83:LEU:HD22	1:A:80:PHE:HA	11	0.11
(1,4973)	1:A:83:LEU:HD21	1:A:80:PHE:HA	11	0.11
(1,4973)	1:A:83:LEU:HD23	1:A:80:PHE:HA	11	0.11
(1,4973)	1:A:83:LEU:HA	1:A:83:LEU:HD22	11	0.11
(1,4973)	1:A:83:LEU:HA	1:A:83:LEU:HD21	11	0.11
(1,4973)	1:A:83:LEU:HA	1:A:83:LEU:HD23	11	0.11
(1,4973)	1:A:37:THR:HA	1:A:40:LEU:HD22	11	0.11
(1,4973)	1:A:37:THR:HA	1:A:40:LEU:HD21	11	0.11
(1,4973)	1:A:37:THR:HA	1:A:40:LEU:HD23	11	0.11
(1,4936)	1:B:67:LEU:HD12	1:B:33:THR:HG21	6	0.11
(1,4936)	1:B:67:LEU:HD12	1:B:33:THR:HG22	6	0.11
(1,4936)	1:B:67:LEU:HD12	1:B:33:THR:HG23	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4936)	1:B:67:LEU:HD11	1:B:33:THR:HG21	6	0.11
(1,4936)	1:B:67:LEU:HD11	1:B:33:THR:HG22	6	0.11
(1,4936)	1:B:67:LEU:HD11	1:B:33:THR:HG23	6	0.11
(1,4936)	1:B:67:LEU:HD13	1:B:33:THR:HG21	6	0.11
(1,4936)	1:B:67:LEU:HD13	1:B:33:THR:HG22	6	0.11
(1,4936)	1:B:67:LEU:HD13	1:B:33:THR:HG23	6	0.11
(1,4936)	1:B:67:LEU:HD12	1:B:47:LEU:HG	6	0.11
(1,4936)	1:B:67:LEU:HD11	1:B:47:LEU:HG	6	0.11
(1,4936)	1:B:67:LEU:HD13	1:B:47:LEU:HG	6	0.11
(1,4936)	1:B:67:LEU:HD12	1:B:59:VAL:HG12	6	0.11
(1,4936)	1:B:67:LEU:HD12	1:B:59:VAL:HG11	6	0.11
(1,4936)	1:B:67:LEU:HD12	1:B:59:VAL:HG13	6	0.11
(1,4936)	1:B:67:LEU:HD11	1:B:59:VAL:HG12	6	0.11
(1,4936)	1:B:67:LEU:HD11	1:B:59:VAL:HG11	6	0.11
(1,4936)	1:B:67:LEU:HD11	1:B:59:VAL:HG13	6	0.11
(1,4936)	1:B:67:LEU:HD13	1:B:59:VAL:HG12	6	0.11
(1,4936)	1:B:67:LEU:HD13	1:B:59:VAL:HG11	6	0.11
(1,4936)	1:B:67:LEU:HD13	1:B:59:VAL:HG13	6	0.11
(1,4935)	1:A:67:LEU:HD12	1:A:33:THR:HG21	6	0.11
(1,4935)	1:A:67:LEU:HD12	1:A:33:THR:HG22	6	0.11
(1,4935)	1:A:67:LEU:HD12	1:A:33:THR:HG23	6	0.11
(1,4935)	1:A:67:LEU:HD11	1:A:33:THR:HG21	6	0.11
(1,4935)	1:A:67:LEU:HD11	1:A:33:THR:HG22	6	0.11
(1,4935)	1:A:67:LEU:HD11	1:A:33:THR:HG23	6	0.11
(1,4935)	1:A:67:LEU:HD13	1:A:33:THR:HG21	6	0.11
(1,4935)	1:A:67:LEU:HD13	1:A:33:THR:HG22	6	0.11
(1,4935)	1:A:67:LEU:HD13	1:A:33:THR:HG23	6	0.11
(1,4935)	1:A:67:LEU:HD12	1:A:47:LEU:HG	6	0.11
(1,4935)	1:A:67:LEU:HD11	1:A:47:LEU:HG	6	0.11
(1,4935)	1:A:67:LEU:HD13	1:A:47:LEU:HG	6	0.11
(1,4935)	1:A:67:LEU:HD12	1:A:59:VAL:HG12	6	0.11
(1,4935)	1:A:67:LEU:HD12	1:A:59:VAL:HG11	6	0.11
(1,4935)	1:A:67:LEU:HD12	1:A:59:VAL:HG13	6	0.11
(1,4935)	1:A:67:LEU:HD11	1:A:59:VAL:HG12	6	0.11
(1,4935)	1:A:67:LEU:HD11	1:A:59:VAL:HG11	6	0.11
(1,4935)	1:A:67:LEU:HD11	1:A:59:VAL:HG13	6	0.11
(1,4935)	1:A:67:LEU:HD13	1:A:59:VAL:HG12	6	0.11
(1,4935)	1:A:67:LEU:HD13	1:A:59:VAL:HG11	6	0.11
(1,4935)	1:A:67:LEU:HD13	1:A:59:VAL:HG13	6	0.11
(1,482)	1:B:8:THR:HA	1:B:10:THR:HG21	11	0.11
(1,482)	1:B:8:THR:HA	1:B:10:THR:HG22	11	0.11
(1,482)	1:B:8:THR:HA	1:B:10:THR:HG23	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4790)	1:B:66:LYS:HB2	1:B:67:LEU:HD22	2	0.11
(1,4790)	1:B:66:LYS:HB2	1:B:67:LEU:HD21	2	0.11
(1,4790)	1:B:66:LYS:HB2	1:B:67:LEU:HD23	2	0.11
(1,4790)	1:B:66:LYS:HB3	1:B:67:LEU:HD22	2	0.11
(1,4790)	1:B:66:LYS:HB3	1:B:67:LEU:HD21	2	0.11
(1,4790)	1:B:66:LYS:HB3	1:B:67:LEU:HD23	2	0.11
(1,4790)	1:B:66:LYS:HB2	1:B:67:LEU:HD12	2	0.11
(1,4790)	1:B:66:LYS:HB2	1:B:67:LEU:HD11	2	0.11
(1,4790)	1:B:66:LYS:HB2	1:B:67:LEU:HD13	2	0.11
(1,4790)	1:B:66:LYS:HB3	1:B:67:LEU:HD12	2	0.11
(1,4790)	1:B:66:LYS:HB3	1:B:67:LEU:HD11	2	0.11
(1,4790)	1:B:66:LYS:HB3	1:B:67:LEU:HD13	2	0.11
(1,4789)	1:A:66:LYS:HB2	1:A:67:LEU:HD22	2	0.11
(1,4789)	1:A:66:LYS:HB2	1:A:67:LEU:HD21	2	0.11
(1,4789)	1:A:66:LYS:HB2	1:A:67:LEU:HD23	2	0.11
(1,4789)	1:A:66:LYS:HB3	1:A:67:LEU:HD22	2	0.11
(1,4789)	1:A:66:LYS:HB3	1:A:67:LEU:HD21	2	0.11
(1,4789)	1:A:66:LYS:HB3	1:A:67:LEU:HD23	2	0.11
(1,4789)	1:A:66:LYS:HB2	1:A:67:LEU:HD12	2	0.11
(1,4789)	1:A:66:LYS:HB2	1:A:67:LEU:HD11	2	0.11
(1,4789)	1:A:66:LYS:HB2	1:A:67:LEU:HD13	2	0.11
(1,4789)	1:A:66:LYS:HB3	1:A:67:LEU:HD12	2	0.11
(1,4789)	1:A:66:LYS:HB3	1:A:67:LEU:HD11	2	0.11
(1,4789)	1:A:66:LYS:HB3	1:A:67:LEU:HD13	2	0.11
(1,4780)	1:B:10:THR:HB	1:B:14:ILE:HD12	12	0.11
(1,4780)	1:B:10:THR:HB	1:B:14:ILE:HD11	12	0.11
(1,4780)	1:B:10:THR:HB	1:B:14:ILE:HD13	12	0.11
(1,4780)	1:B:14:ILE:HD12	1:A:88:ALA:HA	12	0.11
(1,4780)	1:B:14:ILE:HD11	1:A:88:ALA:HA	12	0.11
(1,4780)	1:B:14:ILE:HD13	1:A:88:ALA:HA	12	0.11
(1,4780)	1:B:10:THR:HB	1:B:14:ILE:HD12	15	0.11
(1,4780)	1:B:10:THR:HB	1:B:14:ILE:HD11	15	0.11
(1,4780)	1:B:10:THR:HB	1:B:14:ILE:HD13	15	0.11
(1,4780)	1:B:14:ILE:HD12	1:A:88:ALA:HA	15	0.11
(1,4780)	1:B:14:ILE:HD11	1:A:88:ALA:HA	15	0.11
(1,4780)	1:B:14:ILE:HD13	1:A:88:ALA:HA	15	0.11
(1,4780)	1:B:10:THR:HB	1:B:14:ILE:HD12	19	0.11
(1,4780)	1:B:10:THR:HB	1:B:14:ILE:HD11	19	0.11
(1,4780)	1:B:10:THR:HB	1:B:14:ILE:HD13	19	0.11
(1,4780)	1:B:14:ILE:HD12	1:A:88:ALA:HA	19	0.11
(1,4780)	1:B:14:ILE:HD11	1:A:88:ALA:HA	19	0.11
(1,4780)	1:B:14:ILE:HD13	1:A:88:ALA:HA	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4779)	1:A:10:THR:HB	1:A:14:ILE:HD12	4	0.11
(1,4779)	1:A:10:THR:HB	1:A:14:ILE:HD11	4	0.11
(1,4779)	1:A:10:THR:HB	1:A:14:ILE:HD13	4	0.11
(1,4779)	1:A:14:ILE:HD12	1:B:88:ALA:HA	4	0.11
(1,4779)	1:A:14:ILE:HD11	1:B:88:ALA:HA	4	0.11
(1,4779)	1:A:14:ILE:HD13	1:B:88:ALA:HA	4	0.11
(1,4779)	1:A:10:THR:HB	1:A:14:ILE:HD12	14	0.11
(1,4779)	1:A:10:THR:HB	1:A:14:ILE:HD11	14	0.11
(1,4779)	1:A:10:THR:HB	1:A:14:ILE:HD13	14	0.11
(1,4779)	1:A:14:ILE:HD12	1:B:88:ALA:HA	14	0.11
(1,4779)	1:A:14:ILE:HD11	1:B:88:ALA:HA	14	0.11
(1,4779)	1:A:14:ILE:HD13	1:B:88:ALA:HA	14	0.11
(1,4779)	1:A:10:THR:HB	1:A:14:ILE:HD12	16	0.11
(1,4779)	1:A:10:THR:HB	1:A:14:ILE:HD11	16	0.11
(1,4779)	1:A:10:THR:HB	1:A:14:ILE:HD13	16	0.11
(1,4779)	1:A:14:ILE:HD12	1:B:88:ALA:HA	16	0.11
(1,4779)	1:A:14:ILE:HD11	1:B:88:ALA:HA	16	0.11
(1,4779)	1:A:14:ILE:HD13	1:B:88:ALA:HA	16	0.11
(1,4779)	1:A:10:THR:HB	1:A:14:ILE:HD12	19	0.11
(1,4779)	1:A:10:THR:HB	1:A:14:ILE:HD11	19	0.11
(1,4779)	1:A:10:THR:HB	1:A:14:ILE:HD13	19	0.11
(1,4779)	1:A:14:ILE:HD12	1:B:88:ALA:HA	19	0.11
(1,4779)	1:A:14:ILE:HD11	1:B:88:ALA:HA	19	0.11
(1,4779)	1:A:14:ILE:HD13	1:B:88:ALA:HA	19	0.11
(1,4742)	1:B:40:LEU:HD12	1:B:36:LYS:HA	1	0.11
(1,4742)	1:B:40:LEU:HD11	1:B:36:LYS:HA	1	0.11
(1,4742)	1:B:40:LEU:HD13	1:B:36:LYS:HA	1	0.11
(1,4742)	1:B:60:LEU:HD12	1:B:39:PHE:HA	1	0.11
(1,4742)	1:B:60:LEU:HD11	1:B:39:PHE:HA	1	0.11
(1,4742)	1:B:60:LEU:HD13	1:B:39:PHE:HA	1	0.11
(1,4742)	1:B:44:ASN:HA	1:B:60:LEU:HD12	1	0.11
(1,4742)	1:B:44:ASN:HA	1:B:60:LEU:HD11	1	0.11
(1,4742)	1:B:44:ASN:HA	1:B:60:LEU:HD13	1	0.11
(1,4742)	1:B:60:LEU:HD12	1:B:60:LEU:HA	1	0.11
(1,4742)	1:B:60:LEU:HD11	1:B:60:LEU:HA	1	0.11
(1,4742)	1:B:60:LEU:HD13	1:B:60:LEU:HA	1	0.11
(1,4742)	1:B:83:LEU:HD12	1:B:60:LEU:HA	1	0.11
(1,4742)	1:B:83:LEU:HD11	1:B:60:LEU:HA	1	0.11
(1,4742)	1:B:83:LEU:HD13	1:B:60:LEU:HA	1	0.11
(1,4742)	1:B:40:LEU:HD12	1:B:36:LYS:HA	10	0.11
(1,4742)	1:B:40:LEU:HD11	1:B:36:LYS:HA	10	0.11
(1,4742)	1:B:40:LEU:HD13	1:B:36:LYS:HA	10	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4742)	1:B:60:LEU:HD12	1:B:39:PHE:HA	10	0.11
(1,4742)	1:B:60:LEU:HD11	1:B:39:PHE:HA	10	0.11
(1,4742)	1:B:60:LEU:HD13	1:B:39:PHE:HA	10	0.11
(1,4742)	1:B:44:ASN:HA	1:B:60:LEU:HD12	10	0.11
(1,4742)	1:B:44:ASN:HA	1:B:60:LEU:HD11	10	0.11
(1,4742)	1:B:44:ASN:HA	1:B:60:LEU:HD13	10	0.11
(1,4742)	1:B:60:LEU:HD12	1:B:60:LEU:HA	10	0.11
(1,4742)	1:B:60:LEU:HD11	1:B:60:LEU:HA	10	0.11
(1,4742)	1:B:60:LEU:HD13	1:B:60:LEU:HA	10	0.11
(1,4742)	1:B:83:LEU:HD12	1:B:60:LEU:HA	10	0.11
(1,4742)	1:B:83:LEU:HD11	1:B:60:LEU:HA	10	0.11
(1,4742)	1:B:83:LEU:HD13	1:B:60:LEU:HA	10	0.11
(1,4742)	1:B:40:LEU:HD12	1:B:36:LYS:HA	11	0.11
(1,4742)	1:B:40:LEU:HD11	1:B:36:LYS:HA	11	0.11
(1,4742)	1:B:40:LEU:HD13	1:B:36:LYS:HA	11	0.11
(1,4742)	1:B:60:LEU:HD12	1:B:39:PHE:HA	11	0.11
(1,4742)	1:B:60:LEU:HD11	1:B:39:PHE:HA	11	0.11
(1,4742)	1:B:60:LEU:HD13	1:B:39:PHE:HA	11	0.11
(1,4742)	1:B:44:ASN:HA	1:B:60:LEU:HD12	11	0.11
(1,4742)	1:B:44:ASN:HA	1:B:60:LEU:HD11	11	0.11
(1,4742)	1:B:44:ASN:HA	1:B:60:LEU:HD13	11	0.11
(1,4742)	1:B:60:LEU:HD12	1:B:60:LEU:HA	11	0.11
(1,4742)	1:B:60:LEU:HD11	1:B:60:LEU:HA	11	0.11
(1,4742)	1:B:60:LEU:HD13	1:B:60:LEU:HA	11	0.11
(1,4742)	1:B:83:LEU:HD12	1:B:60:LEU:HA	11	0.11
(1,4742)	1:B:83:LEU:HD11	1:B:60:LEU:HA	11	0.11
(1,4742)	1:B:83:LEU:HD13	1:B:60:LEU:HA	11	0.11
(1,4742)	1:B:40:LEU:HD12	1:B:36:LYS:HA	16	0.11
(1,4742)	1:B:40:LEU:HD11	1:B:36:LYS:HA	16	0.11
(1,4742)	1:B:40:LEU:HD13	1:B:36:LYS:HA	16	0.11
(1,4742)	1:B:60:LEU:HD12	1:B:39:PHE:HA	16	0.11
(1,4742)	1:B:60:LEU:HD11	1:B:39:PHE:HA	16	0.11
(1,4742)	1:B:60:LEU:HD13	1:B:39:PHE:HA	16	0.11
(1,4742)	1:B:44:ASN:HA	1:B:60:LEU:HD12	16	0.11
(1,4742)	1:B:44:ASN:HA	1:B:60:LEU:HD11	16	0.11
(1,4742)	1:B:44:ASN:HA	1:B:60:LEU:HD13	16	0.11
(1,4742)	1:B:60:LEU:HD12	1:B:60:LEU:HA	16	0.11
(1,4742)	1:B:60:LEU:HD11	1:B:60:LEU:HA	16	0.11
(1,4742)	1:B:60:LEU:HD13	1:B:60:LEU:HA	16	0.11
(1,4742)	1:B:83:LEU:HD12	1:B:60:LEU:HA	16	0.11
(1,4742)	1:B:83:LEU:HD11	1:B:60:LEU:HA	16	0.11
(1,4742)	1:B:83:LEU:HD13	1:B:60:LEU:HA	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4741)	1:A:40:LEU:HD12	1:A:36:LYS:HA	1	0.11
(1,4741)	1:A:40:LEU:HD11	1:A:36:LYS:HA	1	0.11
(1,4741)	1:A:40:LEU:HD13	1:A:36:LYS:HA	1	0.11
(1,4741)	1:A:60:LEU:HD12	1:A:39:PHE:HA	1	0.11
(1,4741)	1:A:60:LEU:HD11	1:A:39:PHE:HA	1	0.11
(1,4741)	1:A:60:LEU:HD13	1:A:39:PHE:HA	1	0.11
(1,4741)	1:A:44:ASN:HA	1:A:60:LEU:HD12	1	0.11
(1,4741)	1:A:44:ASN:HA	1:A:60:LEU:HD11	1	0.11
(1,4741)	1:A:44:ASN:HA	1:A:60:LEU:HD13	1	0.11
(1,4741)	1:A:60:LEU:HD12	1:A:60:LEU:HA	1	0.11
(1,4741)	1:A:60:LEU:HD11	1:A:60:LEU:HA	1	0.11
(1,4741)	1:A:60:LEU:HD13	1:A:60:LEU:HA	1	0.11
(1,4741)	1:A:83:LEU:HD12	1:A:60:LEU:HA	1	0.11
(1,4741)	1:A:83:LEU:HD11	1:A:60:LEU:HA	1	0.11
(1,4741)	1:A:83:LEU:HD13	1:A:60:LEU:HA	1	0.11
(1,4741)	1:A:40:LEU:HD12	1:A:36:LYS:HA	10	0.11
(1,4741)	1:A:40:LEU:HD11	1:A:36:LYS:HA	10	0.11
(1,4741)	1:A:40:LEU:HD13	1:A:36:LYS:HA	10	0.11
(1,4741)	1:A:60:LEU:HD12	1:A:39:PHE:HA	10	0.11
(1,4741)	1:A:60:LEU:HD11	1:A:39:PHE:HA	10	0.11
(1,4741)	1:A:60:LEU:HD13	1:A:39:PHE:HA	10	0.11
(1,4741)	1:A:44:ASN:HA	1:A:60:LEU:HD12	10	0.11
(1,4741)	1:A:44:ASN:HA	1:A:60:LEU:HD11	10	0.11
(1,4741)	1:A:44:ASN:HA	1:A:60:LEU:HD13	10	0.11
(1,4741)	1:A:60:LEU:HD12	1:A:60:LEU:HA	10	0.11
(1,4741)	1:A:60:LEU:HD11	1:A:60:LEU:HA	10	0.11
(1,4741)	1:A:60:LEU:HD13	1:A:60:LEU:HA	10	0.11
(1,4741)	1:A:83:LEU:HD12	1:A:60:LEU:HA	10	0.11
(1,4741)	1:A:83:LEU:HD11	1:A:60:LEU:HA	10	0.11
(1,4741)	1:A:83:LEU:HD13	1:A:60:LEU:HA	10	0.11
(1,4741)	1:A:40:LEU:HD12	1:A:36:LYS:HA	11	0.11
(1,4741)	1:A:40:LEU:HD11	1:A:36:LYS:HA	11	0.11
(1,4741)	1:A:40:LEU:HD13	1:A:36:LYS:HA	11	0.11
(1,4741)	1:A:60:LEU:HD12	1:A:39:PHE:HA	11	0.11
(1,4741)	1:A:60:LEU:HD11	1:A:39:PHE:HA	11	0.11
(1,4741)	1:A:60:LEU:HD13	1:A:39:PHE:HA	11	0.11
(1,4741)	1:A:44:ASN:HA	1:A:60:LEU:HD12	11	0.11
(1,4741)	1:A:44:ASN:HA	1:A:60:LEU:HD11	11	0.11
(1,4741)	1:A:44:ASN:HA	1:A:60:LEU:HD13	11	0.11
(1,4741)	1:A:60:LEU:HD12	1:A:60:LEU:HA	11	0.11
(1,4741)	1:A:60:LEU:HD11	1:A:60:LEU:HA	11	0.11
(1,4741)	1:A:60:LEU:HD13	1:A:60:LEU:HA	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4741)	1:A:83:LEU:HD12	1:A:60:LEU:HA	11	0.11
(1,4741)	1:A:83:LEU:HD11	1:A:60:LEU:HA	11	0.11
(1,4741)	1:A:83:LEU:HD13	1:A:60:LEU:HA	11	0.11
(1,4741)	1:A:40:LEU:HD12	1:A:36:LYS:HA	16	0.11
(1,4741)	1:A:40:LEU:HD11	1:A:36:LYS:HA	16	0.11
(1,4741)	1:A:40:LEU:HD13	1:A:36:LYS:HA	16	0.11
(1,4741)	1:A:60:LEU:HD12	1:A:39:PHE:HA	16	0.11
(1,4741)	1:A:60:LEU:HD11	1:A:39:PHE:HA	16	0.11
(1,4741)	1:A:60:LEU:HD13	1:A:39:PHE:HA	16	0.11
(1,4741)	1:A:44:ASN:HA	1:A:60:LEU:HD12	16	0.11
(1,4741)	1:A:44:ASN:HA	1:A:60:LEU:HD11	16	0.11
(1,4741)	1:A:44:ASN:HA	1:A:60:LEU:HD13	16	0.11
(1,4741)	1:A:60:LEU:HD12	1:A:60:LEU:HA	16	0.11
(1,4741)	1:A:60:LEU:HD11	1:A:60:LEU:HA	16	0.11
(1,4741)	1:A:60:LEU:HD13	1:A:60:LEU:HA	16	0.11
(1,4741)	1:A:83:LEU:HD12	1:A:60:LEU:HA	16	0.11
(1,4741)	1:A:83:LEU:HD11	1:A:60:LEU:HA	16	0.11
(1,4741)	1:A:83:LEU:HD13	1:A:60:LEU:HA	16	0.11
(1,4709)	1:A:9:GLU:HB2	1:A:12:ARG:HG2	12	0.11
(1,4709)	1:A:9:GLU:HB3	1:A:12:ARG:HG2	12	0.11
(1,4709)	1:A:15:GLU:HB2	1:A:18:ILE:HB	12	0.11
(1,4709)	1:A:15:GLU:HB3	1:A:18:ILE:HB	12	0.11
(1,4700)	1:B:60:LEU:HA	1:B:60:LEU:HG	8	0.11
(1,4700)	1:B:60:LEU:HA	1:B:62:ARG:HB3	8	0.11
(1,4700)	1:B:61:ASP:HA	1:B:62:ARG:HB3	8	0.11
(1,4700)	1:B:61:ASP:HA	1:B:62:ARG:HG2	8	0.11
(1,4700)	1:B:61:ASP:HA	1:B:65:LYS:HB2	8	0.11
(1,4700)	1:B:61:ASP:HA	1:B:65:LYS:HB3	8	0.11
(1,4699)	1:A:60:LEU:HA	1:A:60:LEU:HG	8	0.11
(1,4699)	1:A:60:LEU:HA	1:A:62:ARG:HB3	8	0.11
(1,4699)	1:A:61:ASP:HA	1:A:62:ARG:HB3	8	0.11
(1,4699)	1:A:61:ASP:HA	1:A:62:ARG:HG2	8	0.11
(1,4699)	1:A:61:ASP:HA	1:A:65:LYS:HB2	8	0.11
(1,4699)	1:A:61:ASP:HA	1:A:65:LYS:HB3	8	0.11
(1,4688)	1:B:17:LEU:HD22	1:B:21:PHE:H	18	0.11
(1,4688)	1:B:17:LEU:HD21	1:B:21:PHE:H	18	0.11
(1,4688)	1:B:17:LEU:HD23	1:B:21:PHE:H	18	0.11
(1,4688)	1:B:38:GLU:H	1:B:40:LEU:HD22	18	0.11
(1,4688)	1:B:38:GLU:H	1:B:40:LEU:HD21	18	0.11
(1,4688)	1:B:38:GLU:H	1:B:40:LEU:HD23	18	0.11
(1,4688)	1:B:41:SER:H	1:B:40:LEU:HD22	18	0.11
(1,4688)	1:B:41:SER:H	1:B:40:LEU:HD21	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4688)	1:B:41:SER:H	1:B:40:LEU:HD23	18	0.11
(1,4688)	1:B:61:ASP:H	1:B:40:LEU:HD22	18	0.11
(1,4688)	1:B:61:ASP:H	1:B:40:LEU:HD21	18	0.11
(1,4688)	1:B:61:ASP:H	1:B:40:LEU:HD23	18	0.11
(1,4688)	1:B:61:ASP:H	1:B:60:LEU:HD22	18	0.11
(1,4688)	1:B:61:ASP:H	1:B:60:LEU:HD21	18	0.11
(1,4688)	1:B:61:ASP:H	1:B:60:LEU:HD23	18	0.11
(1,4687)	1:A:17:LEU:HD22	1:A:21:PHE:H	18	0.11
(1,4687)	1:A:17:LEU:HD21	1:A:21:PHE:H	18	0.11
(1,4687)	1:A:17:LEU:HD23	1:A:21:PHE:H	18	0.11
(1,4687)	1:A:38:GLU:H	1:A:40:LEU:HD22	18	0.11
(1,4687)	1:A:38:GLU:H	1:A:40:LEU:HD21	18	0.11
(1,4687)	1:A:38:GLU:H	1:A:40:LEU:HD23	18	0.11
(1,4687)	1:A:41:SER:H	1:A:40:LEU:HD22	18	0.11
(1,4687)	1:A:41:SER:H	1:A:40:LEU:HD21	18	0.11
(1,4687)	1:A:41:SER:H	1:A:40:LEU:HD23	18	0.11
(1,4687)	1:A:61:ASP:H	1:A:40:LEU:HD22	18	0.11
(1,4687)	1:A:61:ASP:H	1:A:40:LEU:HD21	18	0.11
(1,4687)	1:A:61:ASP:H	1:A:40:LEU:HD23	18	0.11
(1,4687)	1:A:61:ASP:H	1:A:60:LEU:HD22	18	0.11
(1,4687)	1:A:61:ASP:H	1:A:60:LEU:HD21	18	0.11
(1,4687)	1:A:61:ASP:H	1:A:60:LEU:HD23	18	0.11
(1,4653)	1:A:94:SER:HB2	1:A:99:VAL:HB	9	0.11
(1,4653)	1:A:94:SER:HB3	1:A:99:VAL:HB	9	0.11
(1,4653)	1:A:94:SER:HB2	1:A:100:PRO:HB3	9	0.11
(1,4653)	1:A:94:SER:HB3	1:A:100:PRO:HB3	9	0.11
(1,4653)	1:A:94:SER:HB2	1:A:100:PRO:HG2	9	0.11
(1,4653)	1:A:94:SER:HB3	1:A:100:PRO:HG2	9	0.11
(1,4653)	1:A:94:SER:HB2	1:A:100:PRO:HG3	9	0.11
(1,4653)	1:A:94:SER:HB3	1:A:100:PRO:HG3	9	0.11
(1,4653)	1:A:94:SER:HB2	1:B:11:GLU:HB2	9	0.11
(1,4653)	1:A:94:SER:HB2	1:B:11:GLU:HB3	9	0.11
(1,4653)	1:A:94:SER:HB3	1:B:11:GLU:HB2	9	0.11
(1,4653)	1:A:94:SER:HB3	1:B:11:GLU:HB3	9	0.11
(1,4653)	1:A:94:SER:HB2	1:B:14:ILE:HB	9	0.11
(1,4653)	1:A:94:SER:HB3	1:B:14:ILE:HB	9	0.11
(1,4653)	1:A:94:SER:HB2	1:B:22:GLN:HB2	9	0.11
(1,4653)	1:A:94:SER:HB2	1:B:22:GLN:HB3	9	0.11
(1,4653)	1:A:94:SER:HB3	1:B:22:GLN:HB2	9	0.11
(1,4653)	1:A:94:SER:HB3	1:B:22:GLN:HB3	9	0.11
(1,4652)	1:B:37:THR:HG21	1:B:41:SER:H	12	0.11
(1,4652)	1:B:37:THR:HG22	1:B:41:SER:H	12	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4652)	1:B:37:THR:HG23	1:B:41:SER:H	12	0.11
(1,4652)	1:B:71:SER:H	1:B:69:THR:HG21	12	0.11
(1,4652)	1:B:71:SER:H	1:B:69:THR:HG22	12	0.11
(1,4652)	1:B:71:SER:H	1:B:69:THR:HG23	12	0.11
(1,4652)	1:B:37:THR:HG21	1:B:41:SER:H	16	0.11
(1,4652)	1:B:37:THR:HG22	1:B:41:SER:H	16	0.11
(1,4652)	1:B:37:THR:HG23	1:B:41:SER:H	16	0.11
(1,4652)	1:B:71:SER:H	1:B:69:THR:HG21	16	0.11
(1,4652)	1:B:71:SER:H	1:B:69:THR:HG22	16	0.11
(1,4652)	1:B:71:SER:H	1:B:69:THR:HG23	16	0.11
(1,4651)	1:A:37:THR:HG21	1:A:41:SER:H	12	0.11
(1,4651)	1:A:37:THR:HG22	1:A:41:SER:H	12	0.11
(1,4651)	1:A:37:THR:HG23	1:A:41:SER:H	12	0.11
(1,4651)	1:A:71:SER:H	1:A:69:THR:HG21	12	0.11
(1,4651)	1:A:71:SER:H	1:A:69:THR:HG22	12	0.11
(1,4651)	1:A:71:SER:H	1:A:69:THR:HG23	12	0.11
(1,464)	1:B:68:ASP:HB2	1:B:33:THR:HG21	6	0.11
(1,464)	1:B:68:ASP:HB2	1:B:33:THR:HG22	6	0.11
(1,464)	1:B:68:ASP:HB2	1:B:33:THR:HG23	6	0.11
(1,464)	1:B:68:ASP:HB2	1:B:33:THR:HG21	9	0.11
(1,464)	1:B:68:ASP:HB2	1:B:33:THR:HG22	9	0.11
(1,464)	1:B:68:ASP:HB2	1:B:33:THR:HG23	9	0.11
(1,463)	1:A:68:ASP:HB2	1:A:33:THR:HG21	6	0.11
(1,463)	1:A:68:ASP:HB2	1:A:33:THR:HG22	6	0.11
(1,463)	1:A:68:ASP:HB2	1:A:33:THR:HG23	6	0.11
(1,463)	1:A:68:ASP:HB2	1:A:33:THR:HG21	9	0.11
(1,463)	1:A:68:ASP:HB2	1:A:33:THR:HG22	9	0.11
(1,463)	1:A:68:ASP:HB2	1:A:33:THR:HG23	9	0.11
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB2	8	0.11
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB1	8	0.11
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB3	8	0.11
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB2	8	0.11
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB1	8	0.11
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB3	8	0.11
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB2	19	0.11
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB1	19	0.11
(1,4622)	1:B:89:MET:HA	1:B:88:ALA:HB3	19	0.11
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB2	19	0.11
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB1	19	0.11
(1,4622)	1:B:89:MET:HA	1:B:90:ALA:HB3	19	0.11
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB2	8	0.11
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB1	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB3	8	0.11
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB2	8	0.11
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB1	8	0.11
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB3	8	0.11
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB2	19	0.11
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB1	19	0.11
(1,4621)	1:A:89:MET:HA	1:A:88:ALA:HB3	19	0.11
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB2	19	0.11
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB1	19	0.11
(1,4621)	1:A:89:MET:HA	1:A:90:ALA:HB3	19	0.11
(1,4575)	1:A:59:VAL:HG22	1:A:47:LEU:HD22	6	0.11
(1,4575)	1:A:59:VAL:HG22	1:A:47:LEU:HD21	6	0.11
(1,4575)	1:A:59:VAL:HG22	1:A:47:LEU:HD23	6	0.11
(1,4575)	1:A:59:VAL:HG21	1:A:47:LEU:HD22	6	0.11
(1,4575)	1:A:59:VAL:HG21	1:A:47:LEU:HD21	6	0.11
(1,4575)	1:A:59:VAL:HG21	1:A:47:LEU:HD23	6	0.11
(1,4575)	1:A:59:VAL:HG23	1:A:47:LEU:HD22	6	0.11
(1,4575)	1:A:59:VAL:HG23	1:A:47:LEU:HD21	6	0.11
(1,4575)	1:A:59:VAL:HG23	1:A:47:LEU:HD23	6	0.11
(1,4575)	1:A:59:VAL:HG22	1:A:47:LEU:HD12	6	0.11
(1,4575)	1:A:59:VAL:HG22	1:A:47:LEU:HD11	6	0.11
(1,4575)	1:A:59:VAL:HG22	1:A:47:LEU:HD13	6	0.11
(1,4575)	1:A:59:VAL:HG21	1:A:47:LEU:HD12	6	0.11
(1,4575)	1:A:59:VAL:HG21	1:A:47:LEU:HD11	6	0.11
(1,4575)	1:A:59:VAL:HG21	1:A:47:LEU:HD13	6	0.11
(1,4575)	1:A:59:VAL:HG23	1:A:47:LEU:HD12	6	0.11
(1,4575)	1:A:59:VAL:HG23	1:A:47:LEU:HD11	6	0.11
(1,4575)	1:A:59:VAL:HG23	1:A:47:LEU:HD13	6	0.11
(1,4550)	1:B:88:ALA:HB2	1:B:91:CYS:HB2	20	0.11
(1,4550)	1:B:88:ALA:HB2	1:B:91:CYS:HB3	20	0.11
(1,4550)	1:B:88:ALA:HB1	1:B:91:CYS:HB2	20	0.11
(1,4550)	1:B:88:ALA:HB1	1:B:91:CYS:HB3	20	0.11
(1,4550)	1:B:88:ALA:HB3	1:B:91:CYS:HB2	20	0.11
(1,4550)	1:B:88:ALA:HB3	1:B:91:CYS:HB3	20	0.11
(1,4550)	1:B:90:ALA:HB2	1:B:91:CYS:HB2	20	0.11
(1,4550)	1:B:90:ALA:HB2	1:B:91:CYS:HB3	20	0.11
(1,4550)	1:B:90:ALA:HB1	1:B:91:CYS:HB2	20	0.11
(1,4550)	1:B:90:ALA:HB1	1:B:91:CYS:HB3	20	0.11
(1,4550)	1:B:90:ALA:HB3	1:B:91:CYS:HB2	20	0.11
(1,4550)	1:B:90:ALA:HB3	1:B:91:CYS:HB3	20	0.11
(1,4549)	1:A:88:ALA:HB2	1:A:91:CYS:HB2	20	0.11
(1,4549)	1:A:88:ALA:HB2	1:A:91:CYS:HB3	20	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4549)	1:A:88:ALA:HB1	1:A:91:CYS:HB2	20	0.11
(1,4549)	1:A:88:ALA:HB1	1:A:91:CYS:HB3	20	0.11
(1,4549)	1:A:88:ALA:HB3	1:A:91:CYS:HB2	20	0.11
(1,4549)	1:A:88:ALA:HB3	1:A:91:CYS:HB3	20	0.11
(1,4549)	1:A:90:ALA:HB2	1:A:91:CYS:HB2	20	0.11
(1,4549)	1:A:90:ALA:HB2	1:A:91:CYS:HB3	20	0.11
(1,4549)	1:A:90:ALA:HB1	1:A:91:CYS:HB2	20	0.11
(1,4549)	1:A:90:ALA:HB1	1:A:91:CYS:HB3	20	0.11
(1,4549)	1:A:90:ALA:HB3	1:A:91:CYS:HB2	20	0.11
(1,4549)	1:A:90:ALA:HB3	1:A:91:CYS:HB3	20	0.11
(1,4515)	1:A:48:ALA:HA	1:A:50:PHE:HB2	13	0.11
(1,4515)	1:A:48:ALA:HA	1:A:50:PHE:HB3	13	0.11
(1,4515)	1:A:49:ALA:HA	1:A:50:PHE:HB2	13	0.11
(1,4515)	1:A:49:ALA:HA	1:A:50:PHE:HB3	13	0.11
(1,4515)	1:A:94:SER:HB2	1:A:95:PHE:HB2	13	0.11
(1,4515)	1:A:94:SER:HB2	1:A:95:PHE:HB3	13	0.11
(1,4515)	1:A:94:SER:HB3	1:A:95:PHE:HB2	13	0.11
(1,4515)	1:A:94:SER:HB3	1:A:95:PHE:HB3	13	0.11
(1,4504)	1:B:24:TYR:H	1:B:34:LEU:HD12	13	0.11
(1,4504)	1:B:24:TYR:H	1:B:34:LEU:HD11	13	0.11
(1,4504)	1:B:24:TYR:H	1:B:34:LEU:HD13	13	0.11
(1,4504)	1:B:75:LEU:HD12	1:B:83:LEU:H	13	0.11
(1,4504)	1:B:75:LEU:HD11	1:B:83:LEU:H	13	0.11
(1,4504)	1:B:75:LEU:HD13	1:B:83:LEU:H	13	0.11
(1,4504)	1:B:82:ASN:H	1:B:81:LEU:HD12	13	0.11
(1,4504)	1:B:82:ASN:H	1:B:81:LEU:HD11	13	0.11
(1,4504)	1:B:82:ASN:H	1:B:81:LEU:HD13	13	0.11
(1,4503)	1:A:24:TYR:H	1:A:34:LEU:HD12	13	0.11
(1,4503)	1:A:24:TYR:H	1:A:34:LEU:HD11	13	0.11
(1,4503)	1:A:24:TYR:H	1:A:34:LEU:HD13	13	0.11
(1,4503)	1:A:75:LEU:HD12	1:A:83:LEU:H	13	0.11
(1,4503)	1:A:75:LEU:HD11	1:A:83:LEU:H	13	0.11
(1,4503)	1:A:75:LEU:HD13	1:A:83:LEU:H	13	0.11
(1,4503)	1:A:82:ASN:H	1:A:81:LEU:HD12	13	0.11
(1,4503)	1:A:82:ASN:H	1:A:81:LEU:HD11	13	0.11
(1,4503)	1:A:82:ASN:H	1:A:81:LEU:HD13	13	0.11
(1,4488)	1:B:84:ILE:HB	1:B:17:LEU:HD22	1	0.11
(1,4488)	1:B:84:ILE:HB	1:B:17:LEU:HD21	1	0.11
(1,4488)	1:B:84:ILE:HB	1:B:17:LEU:HD23	1	0.11
(1,4488)	1:B:84:ILE:HB	1:B:81:LEU:HG	1	0.11
(1,4488)	1:B:84:ILE:HB	1:B:83:LEU:HD22	1	0.11
(1,4488)	1:B:84:ILE:HB	1:B:83:LEU:HD21	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4488)	1:B:84:ILE:HB	1:B:83:LEU:HD23	1	0.11
(1,4488)	1:B:84:ILE:HB	1:B:17:LEU:HD22	11	0.11
(1,4488)	1:B:84:ILE:HB	1:B:17:LEU:HD21	11	0.11
(1,4488)	1:B:84:ILE:HB	1:B:17:LEU:HD23	11	0.11
(1,4488)	1:B:84:ILE:HB	1:B:81:LEU:HG	11	0.11
(1,4488)	1:B:84:ILE:HB	1:B:83:LEU:HD22	11	0.11
(1,4488)	1:B:84:ILE:HB	1:B:83:LEU:HD21	11	0.11
(1,4488)	1:B:84:ILE:HB	1:B:83:LEU:HD23	11	0.11
(1,4487)	1:A:84:ILE:HB	1:A:17:LEU:HD22	1	0.11
(1,4487)	1:A:84:ILE:HB	1:A:17:LEU:HD21	1	0.11
(1,4487)	1:A:84:ILE:HB	1:A:17:LEU:HD23	1	0.11
(1,4487)	1:A:84:ILE:HB	1:A:81:LEU:HG	1	0.11
(1,4487)	1:A:84:ILE:HB	1:A:83:LEU:HD22	1	0.11
(1,4487)	1:A:84:ILE:HB	1:A:83:LEU:HD21	1	0.11
(1,4487)	1:A:84:ILE:HB	1:A:83:LEU:HD23	1	0.11
(1,4487)	1:A:84:ILE:HB	1:A:17:LEU:HD22	2	0.11
(1,4487)	1:A:84:ILE:HB	1:A:17:LEU:HD21	2	0.11
(1,4487)	1:A:84:ILE:HB	1:A:17:LEU:HD23	2	0.11
(1,4487)	1:A:84:ILE:HB	1:A:81:LEU:HG	2	0.11
(1,4487)	1:A:84:ILE:HB	1:A:83:LEU:HD22	2	0.11
(1,4487)	1:A:84:ILE:HB	1:A:83:LEU:HD21	2	0.11
(1,4487)	1:A:84:ILE:HB	1:A:83:LEU:HD23	2	0.11
(1,4487)	1:A:84:ILE:HB	1:A:17:LEU:HD22	11	0.11
(1,4487)	1:A:84:ILE:HB	1:A:17:LEU:HD21	11	0.11
(1,4487)	1:A:84:ILE:HB	1:A:17:LEU:HD23	11	0.11
(1,4487)	1:A:84:ILE:HB	1:A:81:LEU:HG	11	0.11
(1,4487)	1:A:84:ILE:HB	1:A:83:LEU:HD22	11	0.11
(1,4487)	1:A:84:ILE:HB	1:A:83:LEU:HD21	11	0.11
(1,4487)	1:A:84:ILE:HB	1:A:83:LEU:HD23	11	0.11
(1,4462)	1:B:100:PRO:HD3	1:B:99:VAL:HG22	11	0.11
(1,4462)	1:B:100:PRO:HD3	1:B:99:VAL:HG21	11	0.11
(1,4462)	1:B:100:PRO:HD3	1:B:99:VAL:HG23	11	0.11
(1,4462)	1:B:99:VAL:HG12	1:B:100:PRO:HD3	11	0.11
(1,4462)	1:B:99:VAL:HG11	1:B:100:PRO:HD3	11	0.11
(1,4462)	1:B:99:VAL:HG13	1:B:100:PRO:HD3	11	0.11
(1,4462)	1:B:100:PRO:HD3	1:B:99:VAL:HG22	16	0.11
(1,4462)	1:B:100:PRO:HD3	1:B:99:VAL:HG21	16	0.11
(1,4462)	1:B:100:PRO:HD3	1:B:99:VAL:HG23	16	0.11
(1,4462)	1:B:99:VAL:HG12	1:B:100:PRO:HD3	16	0.11
(1,4462)	1:B:99:VAL:HG11	1:B:100:PRO:HD3	16	0.11
(1,4462)	1:B:99:VAL:HG13	1:B:100:PRO:HD3	16	0.11
(1,4461)	1:A:100:PRO:HD3	1:A:99:VAL:HG22	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4461)	1:A:100:PRO:HD3	1:A:99:VAL:HG21	11	0.11
(1,4461)	1:A:100:PRO:HD3	1:A:99:VAL:HG23	11	0.11
(1,4461)	1:A:99:VAL:HG12	1:A:100:PRO:HD3	11	0.11
(1,4461)	1:A:99:VAL:HG11	1:A:100:PRO:HD3	11	0.11
(1,4461)	1:A:99:VAL:HG13	1:A:100:PRO:HD3	11	0.11
(1,4461)	1:A:100:PRO:HD3	1:A:99:VAL:HG22	15	0.11
(1,4461)	1:A:100:PRO:HD3	1:A:99:VAL:HG21	15	0.11
(1,4461)	1:A:100:PRO:HD3	1:A:99:VAL:HG23	15	0.11
(1,4461)	1:A:99:VAL:HG12	1:A:100:PRO:HD3	15	0.11
(1,4461)	1:A:99:VAL:HG11	1:A:100:PRO:HD3	15	0.11
(1,4461)	1:A:99:VAL:HG13	1:A:100:PRO:HD3	15	0.11
(1,4461)	1:A:100:PRO:HD3	1:A:99:VAL:HG22	16	0.11
(1,4461)	1:A:100:PRO:HD3	1:A:99:VAL:HG21	16	0.11
(1,4461)	1:A:100:PRO:HD3	1:A:99:VAL:HG23	16	0.11
(1,4461)	1:A:99:VAL:HG12	1:A:100:PRO:HD3	16	0.11
(1,4461)	1:A:99:VAL:HG11	1:A:100:PRO:HD3	16	0.11
(1,4461)	1:A:99:VAL:HG13	1:A:100:PRO:HD3	16	0.11
(1,4458)	1:B:18:ILE:HG22	1:B:19:ALA:HB2	14	0.11
(1,4458)	1:B:18:ILE:HG22	1:B:19:ALA:HB1	14	0.11
(1,4458)	1:B:18:ILE:HG22	1:B:19:ALA:HB3	14	0.11
(1,4458)	1:B:18:ILE:HG21	1:B:19:ALA:HB2	14	0.11
(1,4458)	1:B:18:ILE:HG21	1:B:19:ALA:HB1	14	0.11
(1,4458)	1:B:18:ILE:HG21	1:B:19:ALA:HB3	14	0.11
(1,4458)	1:B:18:ILE:HG23	1:B:19:ALA:HB2	14	0.11
(1,4458)	1:B:18:ILE:HG23	1:B:19:ALA:HB1	14	0.11
(1,4458)	1:B:18:ILE:HG23	1:B:19:ALA:HB3	14	0.11
(1,4458)	1:B:18:ILE:HG22	1:A:88:ALA:HB2	14	0.11
(1,4458)	1:B:18:ILE:HG22	1:A:88:ALA:HB1	14	0.11
(1,4458)	1:B:18:ILE:HG22	1:A:88:ALA:HB3	14	0.11
(1,4458)	1:B:18:ILE:HG21	1:A:88:ALA:HB2	14	0.11
(1,4458)	1:B:18:ILE:HG21	1:A:88:ALA:HB1	14	0.11
(1,4458)	1:B:18:ILE:HG21	1:A:88:ALA:HB3	14	0.11
(1,4458)	1:B:18:ILE:HG23	1:A:88:ALA:HB2	14	0.11
(1,4458)	1:B:18:ILE:HG23	1:A:88:ALA:HB1	14	0.11
(1,4458)	1:B:18:ILE:HG23	1:A:88:ALA:HB3	14	0.11
(1,4438)	1:B:22:GLN:HG2	1:B:25:ALA:HB2	2	0.11
(1,4438)	1:B:22:GLN:HG2	1:B:25:ALA:HB1	2	0.11
(1,4438)	1:B:22:GLN:HG2	1:B:25:ALA:HB3	2	0.11
(1,4438)	1:B:22:GLN:HG3	1:B:25:ALA:HB2	2	0.11
(1,4438)	1:B:22:GLN:HG3	1:B:25:ALA:HB1	2	0.11
(1,4438)	1:B:22:GLN:HG3	1:B:25:ALA:HB3	2	0.11
(1,4438)	1:B:25:ALA:HB2	1:B:24:TYR:HB3	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4438)	1:B:25:ALA:HB1	1:B:24:TYR:HB3	2	0.11
(1,4438)	1:B:25:ALA:HB3	1:B:24:TYR:HB3	2	0.11
(1,4437)	1:A:22:GLN:HG2	1:A:25:ALA:HB2	2	0.11
(1,4437)	1:A:22:GLN:HG2	1:A:25:ALA:HB1	2	0.11
(1,4437)	1:A:22:GLN:HG2	1:A:25:ALA:HB3	2	0.11
(1,4437)	1:A:22:GLN:HG3	1:A:25:ALA:HB2	2	0.11
(1,4437)	1:A:22:GLN:HG3	1:A:25:ALA:HB1	2	0.11
(1,4437)	1:A:22:GLN:HG3	1:A:25:ALA:HB3	2	0.11
(1,4437)	1:A:25:ALA:HB2	1:A:24:TYR:HB3	2	0.11
(1,4437)	1:A:25:ALA:HB1	1:A:24:TYR:HB3	2	0.11
(1,4437)	1:A:25:ALA:HB3	1:A:24:TYR:HB3	2	0.11
(1,4386)	1:B:95:PHE:H	1:B:98:ALA:HA	1	0.11
(1,4386)	1:B:96:LEU:H	1:B:98:ALA:HA	1	0.11
(1,4386)	1:B:95:PHE:H	1:B:98:ALA:HA	2	0.11
(1,4386)	1:B:96:LEU:H	1:B:98:ALA:HA	2	0.11
(1,4386)	1:B:95:PHE:H	1:B:98:ALA:HA	16	0.11
(1,4386)	1:B:96:LEU:H	1:B:98:ALA:HA	16	0.11
(1,4385)	1:A:95:PHE:H	1:A:98:ALA:HA	1	0.11
(1,4385)	1:A:96:LEU:H	1:A:98:ALA:HA	1	0.11
(1,4385)	1:A:95:PHE:H	1:A:98:ALA:HA	2	0.11
(1,4385)	1:A:96:LEU:H	1:A:98:ALA:HA	2	0.11
(1,4385)	1:A:95:PHE:H	1:A:98:ALA:HA	4	0.11
(1,4385)	1:A:96:LEU:H	1:A:98:ALA:HA	4	0.11
(1,4385)	1:A:95:PHE:H	1:A:98:ALA:HA	16	0.11
(1,4385)	1:A:96:LEU:H	1:A:98:ALA:HA	16	0.11
(1,4376)	1:B:74:GLN:H	1:B:33:THR:HG21	18	0.11
(1,4376)	1:B:74:GLN:H	1:B:33:THR:HG22	18	0.11
(1,4376)	1:B:74:GLN:H	1:B:33:THR:HG23	18	0.11
(1,4376)	1:B:59:VAL:HG12	1:B:62:ARG:H	18	0.11
(1,4376)	1:B:59:VAL:HG11	1:B:62:ARG:H	18	0.11
(1,4376)	1:B:59:VAL:HG13	1:B:62:ARG:H	18	0.11
(1,4375)	1:A:74:GLN:H	1:A:33:THR:HG21	18	0.11
(1,4375)	1:A:74:GLN:H	1:A:33:THR:HG22	18	0.11
(1,4375)	1:A:74:GLN:H	1:A:33:THR:HG23	18	0.11
(1,4375)	1:A:59:VAL:HG12	1:A:62:ARG:H	18	0.11
(1,4375)	1:A:59:VAL:HG11	1:A:62:ARG:H	18	0.11
(1,4375)	1:A:59:VAL:HG13	1:A:62:ARG:H	18	0.11
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD22	4	0.11
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD21	4	0.11
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD23	4	0.11
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD22	4	0.11
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD21	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD23	4	0.11
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD22	4	0.11
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD21	4	0.11
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD23	4	0.11
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD12	4	0.11
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD11	4	0.11
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD13	4	0.11
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD12	4	0.11
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD11	4	0.11
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD13	4	0.11
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD12	4	0.11
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD11	4	0.11
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD13	4	0.11
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD22	18	0.11
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD21	18	0.11
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD23	18	0.11
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD22	18	0.11
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD21	18	0.11
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD23	18	0.11
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD22	18	0.11
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD21	18	0.11
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD23	18	0.11
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD12	18	0.11
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD11	18	0.11
(1,4360)	1:B:49:ALA:HB2	1:B:47:LEU:HD13	18	0.11
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD12	18	0.11
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD11	18	0.11
(1,4360)	1:B:49:ALA:HB1	1:B:47:LEU:HD13	18	0.11
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD12	18	0.11
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD11	18	0.11
(1,4360)	1:B:49:ALA:HB3	1:B:47:LEU:HD13	18	0.11
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD22	4	0.11
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD21	4	0.11
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD23	4	0.11
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD22	4	0.11
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD21	4	0.11
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD23	4	0.11
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD22	4	0.11
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD21	4	0.11
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD23	4	0.11
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD12	4	0.11
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD11	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD13	4	0.11
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD12	4	0.11
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD11	4	0.11
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD13	4	0.11
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD12	4	0.11
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD11	4	0.11
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD13	4	0.11
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD22	18	0.11
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD21	18	0.11
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD23	18	0.11
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD22	18	0.11
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD21	18	0.11
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD23	18	0.11
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD22	18	0.11
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD21	18	0.11
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD23	18	0.11
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD12	18	0.11
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD11	18	0.11
(1,4359)	1:A:49:ALA:HB2	1:A:47:LEU:HD13	18	0.11
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD12	18	0.11
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD11	18	0.11
(1,4359)	1:A:49:ALA:HB1	1:A:47:LEU:HD13	18	0.11
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD12	18	0.11
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD11	18	0.11
(1,4359)	1:A:49:ALA:HB3	1:A:47:LEU:HD13	18	0.11
(1,4342)	1:B:41:SER:H	1:B:60:LEU:HD12	12	0.11
(1,4342)	1:B:41:SER:H	1:B:60:LEU:HD11	12	0.11
(1,4342)	1:B:41:SER:H	1:B:60:LEU:HD13	12	0.11
(1,4342)	1:B:83:LEU:HD12	1:B:86:GLY:H	12	0.11
(1,4342)	1:B:83:LEU:HD11	1:B:86:GLY:H	12	0.11
(1,4342)	1:B:83:LEU:HD13	1:B:86:GLY:H	12	0.11
(1,4342)	1:B:41:SER:H	1:B:60:LEU:HD12	13	0.11
(1,4342)	1:B:41:SER:H	1:B:60:LEU:HD11	13	0.11
(1,4342)	1:B:41:SER:H	1:B:60:LEU:HD13	13	0.11
(1,4342)	1:B:83:LEU:HD12	1:B:86:GLY:H	13	0.11
(1,4342)	1:B:83:LEU:HD11	1:B:86:GLY:H	13	0.11
(1,4342)	1:B:83:LEU:HD13	1:B:86:GLY:H	13	0.11
(1,4342)	1:B:41:SER:H	1:B:60:LEU:HD12	17	0.11
(1,4342)	1:B:41:SER:H	1:B:60:LEU:HD11	17	0.11
(1,4342)	1:B:41:SER:H	1:B:60:LEU:HD13	17	0.11
(1,4342)	1:B:83:LEU:HD12	1:B:86:GLY:H	17	0.11
(1,4342)	1:B:83:LEU:HD11	1:B:86:GLY:H	17	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4342)	1:B:83:LEU:HD13	1:B:86:GLY:H	17	0.11
(1,4341)	1:A:41:SER:H	1:A:60:LEU:HD12	12	0.11
(1,4341)	1:A:41:SER:H	1:A:60:LEU:HD11	12	0.11
(1,4341)	1:A:41:SER:H	1:A:60:LEU:HD13	12	0.11
(1,4341)	1:A:83:LEU:HD12	1:A:86:GLY:H	12	0.11
(1,4341)	1:A:83:LEU:HD11	1:A:86:GLY:H	12	0.11
(1,4341)	1:A:83:LEU:HD13	1:A:86:GLY:H	12	0.11
(1,4341)	1:A:41:SER:H	1:A:60:LEU:HD12	13	0.11
(1,4341)	1:A:41:SER:H	1:A:60:LEU:HD11	13	0.11
(1,4341)	1:A:41:SER:H	1:A:60:LEU:HD13	13	0.11
(1,4341)	1:A:83:LEU:HD12	1:A:86:GLY:H	13	0.11
(1,4341)	1:A:83:LEU:HD11	1:A:86:GLY:H	13	0.11
(1,4341)	1:A:83:LEU:HD13	1:A:86:GLY:H	13	0.11
(1,4341)	1:A:41:SER:H	1:A:60:LEU:HD12	17	0.11
(1,4341)	1:A:41:SER:H	1:A:60:LEU:HD11	17	0.11
(1,4341)	1:A:41:SER:H	1:A:60:LEU:HD13	17	0.11
(1,4341)	1:A:83:LEU:HD12	1:A:86:GLY:H	17	0.11
(1,4341)	1:A:83:LEU:HD11	1:A:86:GLY:H	17	0.11
(1,4341)	1:A:83:LEU:HD13	1:A:86:GLY:H	17	0.11
(1,4334)	1:B:74:GLN:HB3	1:B:68:ASP:HB2	10	0.11
(1,4334)	1:B:18:ILE:HB	1:B:21:PHE:HB2	10	0.11
(1,4334)	1:B:64:MET:HB3	1:B:68:ASP:HB2	10	0.11
(1,4334)	1:B:68:ASP:HB2	1:B:67:LEU:HB2	10	0.11
(1,4333)	1:A:74:GLN:HB3	1:A:68:ASP:HB2	10	0.11
(1,4333)	1:A:18:ILE:HB	1:A:21:PHE:HB2	10	0.11
(1,4333)	1:A:64:MET:HB3	1:A:68:ASP:HB2	10	0.11
(1,4333)	1:A:68:ASP:HB2	1:A:67:LEU:HB2	10	0.11
(1,4316)	1:B:22:GLN:HA	1:B:19:ALA:HA	14	0.11
(1,4316)	1:B:25:ALA:HA	1:B:22:GLN:HA	14	0.11
(1,4316)	1:B:22:GLN:HA	1:B:26:GLY:HA2	14	0.11
(1,4316)	1:B:37:THR:HA	1:B:40:LEU:HA	14	0.11
(1,4316)	1:B:22:GLN:HA	1:B:19:ALA:HA	15	0.11
(1,4316)	1:B:25:ALA:HA	1:B:22:GLN:HA	15	0.11
(1,4316)	1:B:22:GLN:HA	1:B:26:GLY:HA2	15	0.11
(1,4316)	1:B:37:THR:HA	1:B:40:LEU:HA	15	0.11
(1,4315)	1:A:22:GLN:HA	1:A:19:ALA:HA	14	0.11
(1,4315)	1:A:25:ALA:HA	1:A:22:GLN:HA	14	0.11
(1,4315)	1:A:22:GLN:HA	1:A:26:GLY:HA2	14	0.11
(1,4315)	1:A:37:THR:HA	1:A:40:LEU:HA	14	0.11
(1,4315)	1:A:22:GLN:HA	1:A:19:ALA:HA	15	0.11
(1,4315)	1:A:25:ALA:HA	1:A:22:GLN:HA	15	0.11
(1,4315)	1:A:22:GLN:HA	1:A:26:GLY:HA2	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4315)	1:A:37:THR:HA	1:A:40:LEU:HA	15	0.11
(1,4261)	1:A:59:VAL:HA	1:A:61:ASP:HB2	20	0.11
(1,4261)	1:A:63:MET:HG2	1:A:59:VAL:HA	20	0.11
(1,4245)	1:A:89:MET:HB2	1:A:85:GLY:H	16	0.11
(1,4245)	1:A:89:MET:HB3	1:A:85:GLY:H	16	0.11
(1,4245)	1:A:100:PRO:HB2	1:B:22:GLN:H	16	0.11
(1,4214)	1:B:27:LYS:HD2	1:B:26:GLY:H	4	0.11
(1,4214)	1:B:27:LYS:HD3	1:B:26:GLY:H	4	0.11
(1,4214)	1:B:53:ASN:H	1:B:52:LYS:HD2	4	0.11
(1,4214)	1:B:53:ASN:H	1:B:52:LYS:HD3	4	0.11
(1,4214)	1:B:66:LYS:H	1:B:65:LYS:HD2	4	0.11
(1,4214)	1:B:66:LYS:H	1:B:65:LYS:HD3	4	0.11
(1,4214)	1:B:98:ALA:H	1:B:97:LYS:HD2	4	0.11
(1,4214)	1:B:98:ALA:H	1:B:97:LYS:HD3	4	0.11
(1,4213)	1:A:27:LYS:HD2	1:A:26:GLY:H	4	0.11
(1,4213)	1:A:27:LYS:HD3	1:A:26:GLY:H	4	0.11
(1,4213)	1:A:53:ASN:H	1:A:52:LYS:HD2	4	0.11
(1,4213)	1:A:53:ASN:H	1:A:52:LYS:HD3	4	0.11
(1,4213)	1:A:66:LYS:H	1:A:65:LYS:HD2	4	0.11
(1,4213)	1:A:66:LYS:H	1:A:65:LYS:HD3	4	0.11
(1,4213)	1:A:98:ALA:H	1:A:97:LYS:HD2	4	0.11
(1,4213)	1:A:98:ALA:H	1:A:97:LYS:HD3	4	0.11
(1,421)	1:A:18:ILE:HG22	1:B:95:PHE:H	4	0.11
(1,421)	1:A:18:ILE:HG21	1:B:95:PHE:H	4	0.11
(1,421)	1:A:18:ILE:HG23	1:B:95:PHE:H	4	0.11
(1,4200)	1:B:42:PHE:HA	1:B:39:PHE:HA	1	0.11
(1,4200)	1:B:42:PHE:HA	1:B:45:THR:HA	1	0.11
(1,4200)	1:B:45:THR:HB	1:B:42:PHE:HA	1	0.11
(1,4200)	1:B:42:PHE:HA	1:B:39:PHE:HA	8	0.11
(1,4200)	1:B:42:PHE:HA	1:B:45:THR:HA	8	0.11
(1,4200)	1:B:45:THR:HB	1:B:42:PHE:HA	8	0.11
(1,4199)	1:A:42:PHE:HA	1:A:39:PHE:HA	1	0.11
(1,4199)	1:A:42:PHE:HA	1:A:45:THR:HA	1	0.11
(1,4199)	1:A:45:THR:HB	1:A:42:PHE:HA	1	0.11
(1,4199)	1:A:42:PHE:HA	1:A:39:PHE:HA	8	0.11
(1,4199)	1:A:42:PHE:HA	1:A:45:THR:HA	8	0.11
(1,4199)	1:A:45:THR:HB	1:A:42:PHE:HA	8	0.11
(1,4194)	1:B:81:LEU:HD22	1:B:80:PHE:H	7	0.11
(1,4194)	1:B:81:LEU:HD21	1:B:80:PHE:H	7	0.11
(1,4194)	1:B:81:LEU:HD23	1:B:80:PHE:H	7	0.11
(1,4194)	1:B:85:GLY:H	1:B:81:LEU:HD22	7	0.11
(1,4194)	1:B:85:GLY:H	1:B:81:LEU:HD21	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4194)	1:B:85:GLY:H	1:B:81:LEU:HD23	7	0.11
(1,4194)	1:B:81:LEU:HD22	1:A:85:GLY:H	7	0.11
(1,4194)	1:B:81:LEU:HD21	1:A:85:GLY:H	7	0.11
(1,4194)	1:B:81:LEU:HD23	1:A:85:GLY:H	7	0.11
(1,4194)	1:B:81:LEU:HD22	1:A:89:MET:H	7	0.11
(1,4194)	1:B:81:LEU:HD21	1:A:89:MET:H	7	0.11
(1,4194)	1:B:81:LEU:HD23	1:A:89:MET:H	7	0.11
(1,4194)	1:B:81:LEU:HD22	1:B:80:PHE:H	12	0.11
(1,4194)	1:B:81:LEU:HD21	1:B:80:PHE:H	12	0.11
(1,4194)	1:B:81:LEU:HD23	1:B:80:PHE:H	12	0.11
(1,4194)	1:B:85:GLY:H	1:B:81:LEU:HD22	12	0.11
(1,4194)	1:B:85:GLY:H	1:B:81:LEU:HD21	12	0.11
(1,4194)	1:B:85:GLY:H	1:B:81:LEU:HD23	12	0.11
(1,4194)	1:B:81:LEU:HD22	1:A:85:GLY:H	12	0.11
(1,4194)	1:B:81:LEU:HD21	1:A:85:GLY:H	12	0.11
(1,4194)	1:B:81:LEU:HD23	1:A:85:GLY:H	12	0.11
(1,4194)	1:B:81:LEU:HD22	1:A:89:MET:H	12	0.11
(1,4194)	1:B:81:LEU:HD21	1:A:89:MET:H	12	0.11
(1,4194)	1:B:81:LEU:HD23	1:A:89:MET:H	12	0.11
(1,4193)	1:A:81:LEU:HD22	1:A:80:PHE:H	12	0.11
(1,4193)	1:A:81:LEU:HD21	1:A:80:PHE:H	12	0.11
(1,4193)	1:A:81:LEU:HD23	1:A:80:PHE:H	12	0.11
(1,4193)	1:A:85:GLY:H	1:A:81:LEU:HD22	12	0.11
(1,4193)	1:A:85:GLY:H	1:A:81:LEU:HD21	12	0.11
(1,4193)	1:A:85:GLY:H	1:A:81:LEU:HD23	12	0.11
(1,4193)	1:A:81:LEU:HD22	1:B:85:GLY:H	12	0.11
(1,4193)	1:A:81:LEU:HD21	1:B:85:GLY:H	12	0.11
(1,4193)	1:A:81:LEU:HD23	1:B:85:GLY:H	12	0.11
(1,4193)	1:A:81:LEU:HD22	1:B:89:MET:H	12	0.11
(1,4193)	1:A:81:LEU:HD21	1:B:89:MET:H	12	0.11
(1,4193)	1:A:81:LEU:HD23	1:B:89:MET:H	12	0.11
(1,4184)	1:B:13:CYS:HA	1:B:15:GLU:HB2	1	0.11
(1,4184)	1:B:13:CYS:HA	1:B:15:GLU:HB3	1	0.11
(1,4184)	1:B:13:CYS:HA	1:B:17:LEU:HG	1	0.11
(1,4184)	1:B:13:CYS:HA	1:B:15:GLU:HB2	6	0.11
(1,4184)	1:B:13:CYS:HA	1:B:15:GLU:HB3	6	0.11
(1,4184)	1:B:13:CYS:HA	1:B:17:LEU:HG	6	0.11
(1,4183)	1:A:13:CYS:HA	1:A:15:GLU:HB2	1	0.11
(1,4183)	1:A:13:CYS:HA	1:A:15:GLU:HB3	1	0.11
(1,4183)	1:A:13:CYS:HA	1:A:17:LEU:HG	1	0.11
(1,4183)	1:A:13:CYS:HA	1:A:15:GLU:HB2	6	0.11
(1,4183)	1:A:13:CYS:HA	1:A:15:GLU:HB3	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4183)	1:A:13:CYS:HA	1:A:17:LEU:HG	6	0.11
(1,4154)	1:B:82:ASN:HA	1:B:81:LEU:HB2	3	0.11
(1,4154)	1:B:82:ASN:HA	1:B:83:LEU:HB3	3	0.11
(1,4154)	1:B:82:ASN:HA	1:A:81:LEU:HB2	3	0.11
(1,4154)	1:B:82:ASN:HA	1:B:81:LEU:HB2	15	0.11
(1,4154)	1:B:82:ASN:HA	1:B:83:LEU:HB3	15	0.11
(1,4154)	1:B:82:ASN:HA	1:A:81:LEU:HB2	15	0.11
(1,4153)	1:A:82:ASN:HA	1:A:81:LEU:HB2	15	0.11
(1,4153)	1:A:82:ASN:HA	1:A:83:LEU:HB3	15	0.11
(1,4153)	1:A:82:ASN:HA	1:B:81:LEU:HB2	15	0.11
(1,4150)	1:B:17:LEU:HG	1:B:13:CYS:HB2	8	0.11
(1,4150)	1:B:13:CYS:HB2	1:A:17:LEU:HG	8	0.11
(1,4150)	1:B:17:LEU:HG	1:B:13:CYS:HB2	19	0.11
(1,4150)	1:B:13:CYS:HB2	1:A:17:LEU:HG	19	0.11
(1,4104)	1:B:42:PHE:HA	1:B:20:VAL:HB	8	0.11
(1,4104)	1:B:42:PHE:HA	1:B:38:GLU:HB2	8	0.11
(1,4103)	1:A:42:PHE:HA	1:A:20:VAL:HB	8	0.11
(1,4103)	1:A:42:PHE:HA	1:A:38:GLU:HB2	8	0.11
(1,4096)	1:B:17:LEU:HD12	1:B:11:GLU:HG2	4	0.11
(1,4096)	1:B:17:LEU:HD11	1:B:11:GLU:HG2	4	0.11
(1,4096)	1:B:17:LEU:HD13	1:B:11:GLU:HG2	4	0.11
(1,4096)	1:B:17:LEU:HD12	1:B:89:MET:HG3	4	0.11
(1,4096)	1:B:17:LEU:HD11	1:B:89:MET:HG3	4	0.11
(1,4096)	1:B:17:LEU:HD13	1:B:89:MET:HG3	4	0.11
(1,4096)	1:B:17:LEU:HD12	1:A:11:GLU:HG2	4	0.11
(1,4096)	1:B:17:LEU:HD11	1:A:11:GLU:HG2	4	0.11
(1,4096)	1:B:17:LEU:HD13	1:A:11:GLU:HG2	4	0.11
(1,4096)	1:B:17:LEU:HD12	1:A:89:MET:HG3	4	0.11
(1,4096)	1:B:17:LEU:HD11	1:A:89:MET:HG3	4	0.11
(1,4096)	1:B:17:LEU:HD13	1:A:89:MET:HG3	4	0.11
(1,4096)	1:B:17:LEU:HD12	1:B:11:GLU:HG2	8	0.11
(1,4096)	1:B:17:LEU:HD11	1:B:11:GLU:HG2	8	0.11
(1,4096)	1:B:17:LEU:HD13	1:B:11:GLU:HG2	8	0.11
(1,4096)	1:B:17:LEU:HD12	1:B:89:MET:HG3	8	0.11
(1,4096)	1:B:17:LEU:HD11	1:B:89:MET:HG3	8	0.11
(1,4096)	1:B:17:LEU:HD13	1:B:89:MET:HG3	8	0.11
(1,4096)	1:B:17:LEU:HD12	1:A:11:GLU:HG2	8	0.11
(1,4096)	1:B:17:LEU:HD11	1:A:11:GLU:HG2	8	0.11
(1,4096)	1:B:17:LEU:HD13	1:A:11:GLU:HG2	8	0.11
(1,4096)	1:B:17:LEU:HD12	1:A:89:MET:HG3	8	0.11
(1,4096)	1:B:17:LEU:HD11	1:A:89:MET:HG3	8	0.11
(1,4096)	1:B:17:LEU:HD13	1:A:89:MET:HG3	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4095)	1:A:17:LEU:HD12	1:A:11:GLU:HG2	5	0.11
(1,4095)	1:A:17:LEU:HD11	1:A:11:GLU:HG2	5	0.11
(1,4095)	1:A:17:LEU:HD13	1:A:11:GLU:HG2	5	0.11
(1,4095)	1:A:17:LEU:HD12	1:A:89:MET:HG3	5	0.11
(1,4095)	1:A:17:LEU:HD11	1:A:89:MET:HG3	5	0.11
(1,4095)	1:A:17:LEU:HD13	1:A:89:MET:HG3	5	0.11
(1,4095)	1:A:17:LEU:HD12	1:B:11:GLU:HG2	5	0.11
(1,4095)	1:A:17:LEU:HD11	1:B:11:GLU:HG2	5	0.11
(1,4095)	1:A:17:LEU:HD13	1:B:11:GLU:HG2	5	0.11
(1,4095)	1:A:17:LEU:HD12	1:B:89:MET:HG3	5	0.11
(1,4095)	1:A:17:LEU:HD11	1:B:89:MET:HG3	5	0.11
(1,4095)	1:A:17:LEU:HD13	1:B:89:MET:HG3	5	0.11
(1,4090)	1:B:40:LEU:HB3	1:B:44:ASN:H	2	0.11
(1,4090)	1:B:62:ARG:H	1:B:60:LEU:HB3	2	0.11
(1,4090)	1:B:60:LEU:HB3	1:B:64:MET:H	2	0.11
(1,4090)	1:B:40:LEU:HB3	1:B:44:ASN:H	5	0.11
(1,4090)	1:B:62:ARG:H	1:B:60:LEU:HB3	5	0.11
(1,4090)	1:B:60:LEU:HB3	1:B:64:MET:H	5	0.11
(1,4090)	1:B:40:LEU:HB3	1:B:44:ASN:H	13	0.11
(1,4090)	1:B:62:ARG:H	1:B:60:LEU:HB3	13	0.11
(1,4090)	1:B:60:LEU:HB3	1:B:64:MET:H	13	0.11
(1,4089)	1:A:40:LEU:HB3	1:A:44:ASN:H	2	0.11
(1,4089)	1:A:62:ARG:H	1:A:60:LEU:HB3	2	0.11
(1,4089)	1:A:60:LEU:HB3	1:A:64:MET:H	2	0.11
(1,4089)	1:A:40:LEU:HB3	1:A:44:ASN:H	5	0.11
(1,4089)	1:A:62:ARG:H	1:A:60:LEU:HB3	5	0.11
(1,4089)	1:A:60:LEU:HB3	1:A:64:MET:H	5	0.11
(1,4089)	1:A:40:LEU:HB3	1:A:44:ASN:H	13	0.11
(1,4089)	1:A:62:ARG:H	1:A:60:LEU:HB3	13	0.11
(1,4089)	1:A:60:LEU:HB3	1:A:64:MET:H	13	0.11
(1,4052)	1:B:58:GLY:HA3	1:B:57:PRO:HB3	13	0.11
(1,4052)	1:B:58:GLY:HA3	1:B:57:PRO:HG2	13	0.11
(1,4052)	1:B:58:GLY:HA3	1:B:57:PRO:HG3	13	0.11
(1,4004)	1:B:37:THR:HB	1:B:39:PHE:HB3	9	0.11
(1,4004)	1:B:51:THR:HB	1:B:50:PHE:HB2	9	0.11
(1,4004)	1:B:51:THR:HB	1:B:50:PHE:HB3	9	0.11
(1,4003)	1:A:37:THR:HB	1:A:39:PHE:HB3	9	0.11
(1,4003)	1:A:51:THR:HB	1:A:50:PHE:HB2	9	0.11
(1,4003)	1:A:51:THR:HB	1:A:50:PHE:HB3	9	0.11
(1,3966)	1:B:9:GLU:HB2	1:B:12:ARG:HD2	18	0.11
(1,3966)	1:B:9:GLU:HB2	1:B:12:ARG:HD3	18	0.11
(1,3966)	1:B:9:GLU:HB3	1:B:12:ARG:HD2	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3966)	1:B:9:GLU:HB3	1:B:12:ARG:HD3	18	0.11
(1,3966)	1:B:15:GLU:HB2	1:B:12:ARG:HD2	18	0.11
(1,3966)	1:B:15:GLU:HB2	1:B:12:ARG:HD3	18	0.11
(1,3966)	1:B:15:GLU:HB3	1:B:12:ARG:HD2	18	0.11
(1,3966)	1:B:15:GLU:HB3	1:B:12:ARG:HD3	18	0.11
(1,3965)	1:A:9:GLU:HB2	1:A:12:ARG:HD2	18	0.11
(1,3965)	1:A:9:GLU:HB2	1:A:12:ARG:HD3	18	0.11
(1,3965)	1:A:9:GLU:HB3	1:A:12:ARG:HD2	18	0.11
(1,3965)	1:A:9:GLU:HB3	1:A:12:ARG:HD3	18	0.11
(1,3965)	1:A:15:GLU:HB2	1:A:12:ARG:HD2	18	0.11
(1,3965)	1:A:15:GLU:HB2	1:A:12:ARG:HD3	18	0.11
(1,3965)	1:A:15:GLU:HB3	1:A:12:ARG:HD2	18	0.11
(1,3965)	1:A:15:GLU:HB3	1:A:12:ARG:HD3	18	0.11
(1,3956)	1:B:48:ALA:HA	1:B:50:PHE:HB2	10	0.11
(1,3956)	1:B:48:ALA:HA	1:B:50:PHE:HB3	10	0.11
(1,3956)	1:B:49:ALA:HA	1:B:50:PHE:HB2	10	0.11
(1,3956)	1:B:49:ALA:HA	1:B:50:PHE:HB3	10	0.11
(1,3956)	1:B:48:ALA:HA	1:B:50:PHE:HB2	15	0.11
(1,3956)	1:B:48:ALA:HA	1:B:50:PHE:HB3	15	0.11
(1,3956)	1:B:49:ALA:HA	1:B:50:PHE:HB2	15	0.11
(1,3956)	1:B:49:ALA:HA	1:B:50:PHE:HB3	15	0.11
(1,3955)	1:A:48:ALA:HA	1:A:50:PHE:HB2	10	0.11
(1,3955)	1:A:48:ALA:HA	1:A:50:PHE:HB3	10	0.11
(1,3955)	1:A:49:ALA:HA	1:A:50:PHE:HB2	10	0.11
(1,3955)	1:A:49:ALA:HA	1:A:50:PHE:HB3	10	0.11
(1,3955)	1:A:48:ALA:HA	1:A:50:PHE:HB2	15	0.11
(1,3955)	1:A:48:ALA:HA	1:A:50:PHE:HB3	15	0.11
(1,3955)	1:A:49:ALA:HA	1:A:50:PHE:HB2	15	0.11
(1,3955)	1:A:49:ALA:HA	1:A:50:PHE:HB3	15	0.11
(1,3938)	1:B:39:PHE:HB2	1:B:36:LYS:HG2	6	0.11
(1,3938)	1:B:39:PHE:HB2	1:B:36:LYS:HG3	6	0.11
(1,3938)	1:B:65:LYS:HG2	1:B:64:MET:HA	6	0.11
(1,3938)	1:B:65:LYS:HG3	1:B:64:MET:HA	6	0.11
(1,3937)	1:A:39:PHE:HB2	1:A:36:LYS:HG2	6	0.11
(1,3937)	1:A:39:PHE:HB2	1:A:36:LYS:HG3	6	0.11
(1,3937)	1:A:65:LYS:HG2	1:A:64:MET:HA	6	0.11
(1,3937)	1:A:65:LYS:HG3	1:A:64:MET:HA	6	0.11
(1,3930)	1:B:74:GLN:HA	1:B:34:LEU:HB3	16	0.11
(1,3930)	1:B:74:GLN:HA	1:B:36:LYS:HG2	16	0.11
(1,3930)	1:B:74:GLN:HA	1:B:36:LYS:HG3	16	0.11
(1,3930)	1:B:74:GLN:HA	1:B:75:LEU:HB3	16	0.11
(1,3929)	1:A:74:GLN:HA	1:A:34:LEU:HB3	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3929)	1:A:74:GLN:HA	1:A:36:LYS:HG2	16	0.11
(1,3929)	1:A:74:GLN:HA	1:A:36:LYS:HG3	16	0.11
(1,3929)	1:A:74:GLN:HA	1:A:75:LEU:HB3	16	0.11
(1,3914)	1:B:35:SER:HA	1:B:34:LEU:HG	12	0.11
(1,3914)	1:B:35:SER:HA	1:B:75:LEU:HB3	12	0.11
(1,3914)	1:B:35:SER:HA	1:B:34:LEU:HG	18	0.11
(1,3914)	1:B:35:SER:HA	1:B:75:LEU:HB3	18	0.11
(1,3913)	1:A:35:SER:HA	1:A:34:LEU:HG	12	0.11
(1,3913)	1:A:35:SER:HA	1:A:75:LEU:HB3	12	0.11
(1,3913)	1:A:35:SER:HA	1:A:34:LEU:HG	18	0.11
(1,3913)	1:A:35:SER:HA	1:A:75:LEU:HB3	18	0.11
(1,3904)	1:B:57:PRO:HA	1:B:51:THR:HA	15	0.11
(1,3904)	1:B:57:PRO:HA	1:B:59:VAL:HA	15	0.11
(1,3903)	1:A:57:PRO:HA	1:A:51:THR:HA	15	0.11
(1,3903)	1:A:57:PRO:HA	1:A:59:VAL:HA	15	0.11
(1,3898)	1:B:10:THR:HA	1:B:11:GLU:HB2	8	0.11
(1,3898)	1:B:10:THR:HA	1:B:11:GLU:HB3	8	0.11
(1,3898)	1:B:10:THR:HA	1:B:12:ARG:HB2	8	0.11
(1,3898)	1:B:10:THR:HA	1:B:12:ARG:HB3	8	0.11
(1,3898)	1:B:10:THR:HA	1:B:14:ILE:HB	8	0.11
(1,3897)	1:A:10:THR:HA	1:A:11:GLU:HB2	8	0.11
(1,3897)	1:A:10:THR:HA	1:A:11:GLU:HB3	8	0.11
(1,3897)	1:A:10:THR:HA	1:A:12:ARG:HB2	8	0.11
(1,3897)	1:A:10:THR:HA	1:A:12:ARG:HB3	8	0.11
(1,3897)	1:A:10:THR:HA	1:A:14:ILE:HB	8	0.11
(1,3883)	1:A:89:MET:HG3	1:A:83:LEU:H	15	0.11
(1,3883)	1:A:89:MET:HG3	1:B:82:ASN:H	15	0.11
(1,3883)	1:A:63:MET:HG3	1:A:65:LYS:H	15	0.11
(1,382)	1:B:11:GLU:HG2	1:B:10:THR:H	2	0.11
(1,382)	1:B:11:GLU:HG2	1:B:10:THR:H	3	0.11
(1,382)	1:B:11:GLU:HG2	1:B:10:THR:H	11	0.11
(1,382)	1:B:11:GLU:HG2	1:B:10:THR:H	17	0.11
(1,382)	1:B:11:GLU:HG2	1:B:10:THR:H	19	0.11
(1,381)	1:A:11:GLU:HG2	1:A:10:THR:H	2	0.11
(1,381)	1:A:11:GLU:HG2	1:A:10:THR:H	3	0.11
(1,381)	1:A:11:GLU:HG2	1:A:10:THR:H	16	0.11
(1,381)	1:A:11:GLU:HG2	1:A:10:THR:H	19	0.11
(1,3807)	1:A:37:THR:HB	1:A:36:LYS:H	16	0.11
(1,3807)	1:A:37:THR:HB	1:A:39:PHE:H	16	0.11
(1,3786)	1:B:63:MET:HG3	1:B:61:ASP:H	11	0.11
(1,3786)	1:B:89:MET:HG3	1:B:87:LEU:H	11	0.11
(1,3785)	1:A:63:MET:HG3	1:A:61:ASP:H	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3785)	1:A:89:MET:HG3	1:A:87:LEU:H	11	0.11
(1,3736)	1:B:37:THR:HB	1:B:35:SER:HA	8	0.11
(1,3736)	1:B:51:THR:HB	1:B:53:ASN:HA	8	0.11
(1,3735)	1:A:37:THR:HB	1:A:35:SER:HA	8	0.11
(1,3735)	1:A:51:THR:HB	1:A:53:ASN:HA	8	0.11
(1,3704)	1:B:39:PHE:HB2	1:B:36:LYS:HG2	17	0.11
(1,3704)	1:B:39:PHE:HB2	1:B:36:LYS:HG3	17	0.11
(1,3704)	1:B:39:PHE:HB2	1:B:60:LEU:HB3	17	0.11
(1,3704)	1:B:39:PHE:HB2	1:B:75:LEU:HB3	17	0.11
(1,3703)	1:A:39:PHE:HB2	1:A:36:LYS:HG2	17	0.11
(1,3703)	1:A:39:PHE:HB2	1:A:36:LYS:HG3	17	0.11
(1,3703)	1:A:39:PHE:HB2	1:A:60:LEU:HB3	17	0.11
(1,3703)	1:A:39:PHE:HB2	1:A:75:LEU:HB3	17	0.11
(1,3700)	1:B:69:THR:HB	1:B:64:MET:HG2	15	0.11
(1,3700)	1:B:69:THR:HB	1:B:64:MET:HG3	15	0.11
(1,3700)	1:B:69:THR:HB	1:B:68:ASP:HB3	15	0.11
(1,3696)	1:B:12:ARG:HD2	1:B:14:ILE:HG22	1	0.11
(1,3696)	1:B:12:ARG:HD2	1:B:14:ILE:HG21	1	0.11
(1,3696)	1:B:12:ARG:HD2	1:B:14:ILE:HG23	1	0.11
(1,3696)	1:B:12:ARG:HD3	1:B:14:ILE:HG22	1	0.11
(1,3696)	1:B:12:ARG:HD3	1:B:14:ILE:HG21	1	0.11
(1,3696)	1:B:12:ARG:HD3	1:B:14:ILE:HG23	1	0.11
(1,3696)	1:B:17:LEU:HD22	1:B:12:ARG:HD2	1	0.11
(1,3696)	1:B:17:LEU:HD22	1:B:12:ARG:HD3	1	0.11
(1,3696)	1:B:17:LEU:HD21	1:B:12:ARG:HD2	1	0.11
(1,3696)	1:B:17:LEU:HD21	1:B:12:ARG:HD3	1	0.11
(1,3696)	1:B:17:LEU:HD23	1:B:12:ARG:HD2	1	0.11
(1,3696)	1:B:17:LEU:HD23	1:B:12:ARG:HD3	1	0.11
(1,3696)	1:B:12:ARG:HD2	1:A:17:LEU:HD22	1	0.11
(1,3696)	1:B:12:ARG:HD2	1:A:17:LEU:HD21	1	0.11
(1,3696)	1:B:12:ARG:HD2	1:A:17:LEU:HD23	1	0.11
(1,3696)	1:B:12:ARG:HD3	1:A:17:LEU:HD22	1	0.11
(1,3696)	1:B:12:ARG:HD3	1:A:17:LEU:HD21	1	0.11
(1,3696)	1:B:12:ARG:HD3	1:A:17:LEU:HD23	1	0.11
(1,3696)	1:B:62:ARG:HD2	1:B:60:LEU:HD22	1	0.11
(1,3696)	1:B:62:ARG:HD2	1:B:60:LEU:HD21	1	0.11
(1,3696)	1:B:62:ARG:HD2	1:B:60:LEU:HD23	1	0.11
(1,3662)	1:B:10:THR:HA	1:A:81:LEU:HD22	1	0.11
(1,3662)	1:B:10:THR:HA	1:A:81:LEU:HD21	1	0.11
(1,3662)	1:B:10:THR:HA	1:A:81:LEU:HD23	1	0.11
(1,3662)	1:B:10:THR:HA	1:A:87:LEU:HD22	1	0.11
(1,3662)	1:B:10:THR:HA	1:A:87:LEU:HD21	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3662)	1:B:10:THR:HA	1:A:87:LEU:HD23	1	0.11
(1,3662)	1:B:10:THR:HA	1:A:81:LEU:HD22	15	0.11
(1,3662)	1:B:10:THR:HA	1:A:81:LEU:HD21	15	0.11
(1,3662)	1:B:10:THR:HA	1:A:81:LEU:HD23	15	0.11
(1,3662)	1:B:10:THR:HA	1:A:87:LEU:HD22	15	0.11
(1,3662)	1:B:10:THR:HA	1:A:87:LEU:HD21	15	0.11
(1,3662)	1:B:10:THR:HA	1:A:87:LEU:HD23	15	0.11
(1,3662)	1:B:10:THR:HA	1:A:81:LEU:HD22	19	0.11
(1,3662)	1:B:10:THR:HA	1:A:81:LEU:HD21	19	0.11
(1,3662)	1:B:10:THR:HA	1:A:81:LEU:HD23	19	0.11
(1,3662)	1:B:10:THR:HA	1:A:87:LEU:HD22	19	0.11
(1,3662)	1:B:10:THR:HA	1:A:87:LEU:HD21	19	0.11
(1,3662)	1:B:10:THR:HA	1:A:87:LEU:HD23	19	0.11
(1,3661)	1:A:10:THR:HA	1:B:81:LEU:HD22	1	0.11
(1,3661)	1:A:10:THR:HA	1:B:81:LEU:HD21	1	0.11
(1,3661)	1:A:10:THR:HA	1:B:81:LEU:HD23	1	0.11
(1,3661)	1:A:10:THR:HA	1:B:87:LEU:HD22	1	0.11
(1,3661)	1:A:10:THR:HA	1:B:87:LEU:HD21	1	0.11
(1,3661)	1:A:10:THR:HA	1:B:87:LEU:HD23	1	0.11
(1,3661)	1:A:10:THR:HA	1:B:81:LEU:HD22	2	0.11
(1,3661)	1:A:10:THR:HA	1:B:81:LEU:HD21	2	0.11
(1,3661)	1:A:10:THR:HA	1:B:81:LEU:HD23	2	0.11
(1,3661)	1:A:10:THR:HA	1:B:87:LEU:HD22	2	0.11
(1,3661)	1:A:10:THR:HA	1:B:87:LEU:HD21	2	0.11
(1,3661)	1:A:10:THR:HA	1:B:87:LEU:HD23	2	0.11
(1,3661)	1:A:10:THR:HA	1:B:81:LEU:HD22	15	0.11
(1,3661)	1:A:10:THR:HA	1:B:81:LEU:HD21	15	0.11
(1,3661)	1:A:10:THR:HA	1:B:81:LEU:HD23	15	0.11
(1,3661)	1:A:10:THR:HA	1:B:87:LEU:HD22	15	0.11
(1,3661)	1:A:10:THR:HA	1:B:87:LEU:HD21	15	0.11
(1,3661)	1:A:10:THR:HA	1:B:87:LEU:HD23	15	0.11
(1,3614)	1:B:36:LYS:HG2	1:B:59:VAL:HG12	5	0.11
(1,3614)	1:B:36:LYS:HG2	1:B:59:VAL:HG11	5	0.11
(1,3614)	1:B:36:LYS:HG2	1:B:59:VAL:HG13	5	0.11
(1,3614)	1:B:36:LYS:HG3	1:B:59:VAL:HG12	5	0.11
(1,3614)	1:B:36:LYS:HG3	1:B:59:VAL:HG11	5	0.11
(1,3614)	1:B:36:LYS:HG3	1:B:59:VAL:HG13	5	0.11
(1,3614)	1:B:52:LYS:HG2	1:B:47:LEU:HG	5	0.11
(1,3614)	1:B:52:LYS:HG3	1:B:47:LEU:HG	5	0.11
(1,3614)	1:B:52:LYS:HG2	1:B:59:VAL:HG12	5	0.11
(1,3614)	1:B:52:LYS:HG2	1:B:59:VAL:HG11	5	0.11
(1,3614)	1:B:52:LYS:HG2	1:B:59:VAL:HG13	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3614)	1:B:52:LYS:HG3	1:B:59:VAL:HG12	5	0.11
(1,3614)	1:B:52:LYS:HG3	1:B:59:VAL:HG11	5	0.11
(1,3614)	1:B:52:LYS:HG3	1:B:59:VAL:HG13	5	0.11
(1,3613)	1:A:36:LYS:HG2	1:A:59:VAL:HG12	5	0.11
(1,3613)	1:A:36:LYS:HG2	1:A:59:VAL:HG11	5	0.11
(1,3613)	1:A:36:LYS:HG2	1:A:59:VAL:HG13	5	0.11
(1,3613)	1:A:36:LYS:HG3	1:A:59:VAL:HG12	5	0.11
(1,3613)	1:A:36:LYS:HG3	1:A:59:VAL:HG11	5	0.11
(1,3613)	1:A:36:LYS:HG3	1:A:59:VAL:HG13	5	0.11
(1,3613)	1:A:52:LYS:HG2	1:A:47:LEU:HG	5	0.11
(1,3613)	1:A:52:LYS:HG3	1:A:47:LEU:HG	5	0.11
(1,3613)	1:A:52:LYS:HG2	1:A:59:VAL:HG12	5	0.11
(1,3613)	1:A:52:LYS:HG2	1:A:59:VAL:HG11	5	0.11
(1,3613)	1:A:52:LYS:HG2	1:A:59:VAL:HG13	5	0.11
(1,3613)	1:A:52:LYS:HG3	1:A:59:VAL:HG12	5	0.11
(1,3613)	1:A:52:LYS:HG3	1:A:59:VAL:HG11	5	0.11
(1,3613)	1:A:52:LYS:HG3	1:A:59:VAL:HG13	5	0.11
(1,3606)	1:B:77:PHE:HB3	1:A:88:ALA:HB2	15	0.11
(1,3606)	1:B:77:PHE:HB3	1:A:88:ALA:HB1	15	0.11
(1,3606)	1:B:77:PHE:HB3	1:A:88:ALA:HB3	15	0.11
(1,3606)	1:B:77:PHE:HB3	1:A:90:ALA:HB2	15	0.11
(1,3606)	1:B:77:PHE:HB3	1:A:90:ALA:HB1	15	0.11
(1,3606)	1:B:77:PHE:HB3	1:A:90:ALA:HB3	15	0.11
(1,3606)	1:B:77:PHE:HB3	1:B:17:LEU:HB3	15	0.11
(1,3606)	1:B:77:PHE:HB3	1:A:88:ALA:HB2	17	0.11
(1,3606)	1:B:77:PHE:HB3	1:A:88:ALA:HB1	17	0.11
(1,3606)	1:B:77:PHE:HB3	1:A:88:ALA:HB3	17	0.11
(1,3606)	1:B:77:PHE:HB3	1:A:90:ALA:HB2	17	0.11
(1,3606)	1:B:77:PHE:HB3	1:A:90:ALA:HB1	17	0.11
(1,3606)	1:B:77:PHE:HB3	1:A:90:ALA:HB3	17	0.11
(1,3606)	1:B:77:PHE:HB3	1:B:17:LEU:HB3	17	0.11
(1,3605)	1:A:77:PHE:HB3	1:B:88:ALA:HB2	17	0.11
(1,3605)	1:A:77:PHE:HB3	1:B:88:ALA:HB1	17	0.11
(1,3605)	1:A:77:PHE:HB3	1:B:88:ALA:HB3	17	0.11
(1,3605)	1:A:77:PHE:HB3	1:B:90:ALA:HB2	17	0.11
(1,3605)	1:A:77:PHE:HB3	1:B:90:ALA:HB1	17	0.11
(1,3605)	1:A:77:PHE:HB3	1:B:90:ALA:HB3	17	0.11
(1,3605)	1:A:77:PHE:HB3	1:A:17:LEU:HB3	17	0.11
(1,3588)	1:B:75:LEU:HB2	1:B:76:ASP:HB2	7	0.11
(1,3588)	1:B:76:ASP:HB2	1:B:77:PHE:HB3	7	0.11
(1,3587)	1:A:75:LEU:HB2	1:A:76:ASP:HB2	7	0.11
(1,3587)	1:A:76:ASP:HB2	1:A:77:PHE:HB3	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3585)	1:A:11:GLU:HA	1:B:84:ILE:HA	16	0.11
(1,3585)	1:A:11:GLU:HA	1:A:13:CYS:HB2	16	0.11
(1,356)	1:B:60:LEU:HB2	1:B:61:ASP:HB3	1	0.11
(1,355)	1:A:60:LEU:HB2	1:A:61:ASP:HB3	1	0.11
(1,3530)	1:B:75:LEU:HB2	1:B:79:GLU:HA	5	0.11
(1,3530)	1:B:34:LEU:HB2	1:B:39:PHE:HA	5	0.11
(1,3530)	1:B:75:LEU:HB2	1:B:79:GLU:HA	16	0.11
(1,3530)	1:B:34:LEU:HB2	1:B:39:PHE:HA	16	0.11
(1,3529)	1:A:75:LEU:HB2	1:A:79:GLU:HA	5	0.11
(1,3529)	1:A:34:LEU:HB2	1:A:39:PHE:HA	5	0.11
(1,3508)	1:B:46:GLU:HB3	1:B:45:THR:HA	7	0.11
(1,3508)	1:B:46:GLU:HB3	1:B:45:THR:HB	7	0.11
(1,3507)	1:A:46:GLU:HB3	1:A:45:THR:HA	7	0.11
(1,3507)	1:A:46:GLU:HB3	1:A:45:THR:HB	7	0.11
(1,3506)	1:B:69:THR:HB	1:B:65:LYS:HE2	8	0.11
(1,3506)	1:B:69:THR:HB	1:B:65:LYS:HE3	8	0.11
(1,3506)	1:B:69:THR:HB	1:B:68:ASP:HB2	8	0.11
(1,3506)	1:B:69:THR:HB	1:B:82:ASN:HB2	8	0.11
(1,3505)	1:A:69:THR:HB	1:A:65:LYS:HE2	8	0.11
(1,3505)	1:A:69:THR:HB	1:A:65:LYS:HE3	8	0.11
(1,3505)	1:A:69:THR:HB	1:A:68:ASP:HB2	8	0.11
(1,3505)	1:A:69:THR:HB	1:A:82:ASN:HB2	8	0.11
(1,3505)	1:A:69:THR:HB	1:A:65:LYS:HE2	15	0.11
(1,3505)	1:A:69:THR:HB	1:A:65:LYS:HE3	15	0.11
(1,3505)	1:A:69:THR:HB	1:A:68:ASP:HB2	15	0.11
(1,3505)	1:A:69:THR:HB	1:A:82:ASN:HB2	15	0.11
(1,3504)	1:B:39:PHE:HB3	1:B:33:THR:HA	8	0.11
(1,3504)	1:B:33:THR:HA	1:B:80:PHE:HB2	8	0.11
(1,3503)	1:A:39:PHE:HB3	1:A:33:THR:HA	8	0.11
(1,3503)	1:A:33:THR:HA	1:A:80:PHE:HB2	8	0.11
(1,3500)	1:B:29:GLY:HA2	1:B:28:ASP:HB2	2	0.11
(1,3500)	1:B:73:GLY:HA2	1:B:72:ASP:HB2	2	0.11
(1,3499)	1:A:29:GLY:HA2	1:A:28:ASP:HB2	2	0.11
(1,3499)	1:A:73:GLY:HA2	1:A:72:ASP:HB2	2	0.11
(1,3462)	1:B:84:ILE:HB	1:B:80:PHE:HB3	9	0.11
(1,3462)	1:B:84:ILE:HB	1:B:82:ASN:HB2	9	0.11
(1,3462)	1:B:84:ILE:HB	1:A:13:CYS:HB3	9	0.11
(1,3461)	1:A:84:ILE:HB	1:A:80:PHE:HB3	9	0.11
(1,3461)	1:A:84:ILE:HB	1:A:82:ASN:HB2	9	0.11
(1,3461)	1:A:84:ILE:HB	1:B:13:CYS:HB3	9	0.11
(1,3458)	1:B:11:GLU:HA	1:B:12:ARG:HD2	15	0.11
(1,3458)	1:B:11:GLU:HA	1:B:12:ARG:HD3	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3458)	1:B:11:GLU:HA	1:A:50:PHE:HB2	15	0.11
(1,3458)	1:B:11:GLU:HA	1:A:50:PHE:HB3	15	0.11
(1,3457)	1:A:11:GLU:HA	1:A:12:ARG:HD2	15	0.11
(1,3457)	1:A:11:GLU:HA	1:A:12:ARG:HD3	15	0.11
(1,3457)	1:A:11:GLU:HA	1:B:50:PHE:HB2	15	0.11
(1,3457)	1:A:11:GLU:HA	1:B:50:PHE:HB3	15	0.11
(1,3416)	1:B:83:LEU:HG	1:B:66:LYS:HE2	2	0.11
(1,3416)	1:B:83:LEU:HG	1:B:66:LYS:HE3	2	0.11
(1,3416)	1:B:83:LEU:HG	1:B:80:PHE:HB3	2	0.11
(1,3416)	1:B:83:LEU:HG	1:B:82:ASN:HB2	2	0.11
(1,3416)	1:B:83:LEU:HG	1:B:66:LYS:HE2	5	0.11
(1,3416)	1:B:83:LEU:HG	1:B:66:LYS:HE3	5	0.11
(1,3416)	1:B:83:LEU:HG	1:B:80:PHE:HB3	5	0.11
(1,3416)	1:B:83:LEU:HG	1:B:82:ASN:HB2	5	0.11
(1,3415)	1:A:83:LEU:HG	1:A:66:LYS:HE2	2	0.11
(1,3415)	1:A:83:LEU:HG	1:A:66:LYS:HE3	2	0.11
(1,3415)	1:A:83:LEU:HG	1:A:80:PHE:HB3	2	0.11
(1,3415)	1:A:83:LEU:HG	1:A:82:ASN:HB2	2	0.11
(1,3415)	1:A:83:LEU:HG	1:A:66:LYS:HE2	5	0.11
(1,3415)	1:A:83:LEU:HG	1:A:66:LYS:HE3	5	0.11
(1,3415)	1:A:83:LEU:HG	1:A:80:PHE:HB3	5	0.11
(1,3415)	1:A:83:LEU:HG	1:A:82:ASN:HB2	5	0.11
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD22	9	0.11
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD21	9	0.11
(1,341)	1:A:69:THR:HB	1:A:75:LEU:HD23	9	0.11
(1,3390)	1:B:17:LEU:HD22	1:A:14:ILE:HD12	7	0.11
(1,3390)	1:B:17:LEU:HD22	1:A:14:ILE:HD11	7	0.11
(1,3390)	1:B:17:LEU:HD22	1:A:14:ILE:HD13	7	0.11
(1,3390)	1:B:17:LEU:HD21	1:A:14:ILE:HD12	7	0.11
(1,3390)	1:B:17:LEU:HD21	1:A:14:ILE:HD11	7	0.11
(1,3390)	1:B:17:LEU:HD21	1:A:14:ILE:HD13	7	0.11
(1,3390)	1:B:17:LEU:HD23	1:A:14:ILE:HD12	7	0.11
(1,3390)	1:B:17:LEU:HD23	1:A:14:ILE:HD11	7	0.11
(1,3390)	1:B:17:LEU:HD23	1:A:14:ILE:HD13	7	0.11
(1,3390)	1:B:17:LEU:HD22	1:A:17:LEU:HD12	7	0.11
(1,3390)	1:B:17:LEU:HD22	1:A:17:LEU:HD11	7	0.11
(1,3390)	1:B:17:LEU:HD22	1:A:17:LEU:HD13	7	0.11
(1,3390)	1:B:17:LEU:HD21	1:A:17:LEU:HD12	7	0.11
(1,3390)	1:B:17:LEU:HD21	1:A:17:LEU:HD11	7	0.11
(1,3390)	1:B:17:LEU:HD21	1:A:17:LEU:HD13	7	0.11
(1,3390)	1:B:17:LEU:HD23	1:A:17:LEU:HD12	7	0.11
(1,3390)	1:B:17:LEU:HD23	1:A:17:LEU:HD11	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3390)	1:B:17:LEU:HD23	1:A:17:LEU:HD13	7	0.11
(1,3390)	1:B:17:LEU:HD22	1:A:14:ILE:HD12	12	0.11
(1,3390)	1:B:17:LEU:HD22	1:A:14:ILE:HD11	12	0.11
(1,3390)	1:B:17:LEU:HD22	1:A:14:ILE:HD13	12	0.11
(1,3390)	1:B:17:LEU:HD21	1:A:14:ILE:HD12	12	0.11
(1,3390)	1:B:17:LEU:HD21	1:A:14:ILE:HD11	12	0.11
(1,3390)	1:B:17:LEU:HD21	1:A:14:ILE:HD13	12	0.11
(1,3390)	1:B:17:LEU:HD23	1:A:14:ILE:HD12	12	0.11
(1,3390)	1:B:17:LEU:HD23	1:A:14:ILE:HD11	12	0.11
(1,3390)	1:B:17:LEU:HD23	1:A:14:ILE:HD13	12	0.11
(1,3390)	1:B:17:LEU:HD22	1:A:17:LEU:HD12	12	0.11
(1,3390)	1:B:17:LEU:HD22	1:A:17:LEU:HD11	12	0.11
(1,3390)	1:B:17:LEU:HD22	1:A:17:LEU:HD13	12	0.11
(1,3390)	1:B:17:LEU:HD21	1:A:17:LEU:HD12	12	0.11
(1,3390)	1:B:17:LEU:HD21	1:A:17:LEU:HD11	12	0.11
(1,3390)	1:B:17:LEU:HD21	1:A:17:LEU:HD13	12	0.11
(1,3390)	1:B:17:LEU:HD23	1:A:17:LEU:HD12	12	0.11
(1,3390)	1:B:17:LEU:HD23	1:A:17:LEU:HD11	12	0.11
(1,3390)	1:B:17:LEU:HD23	1:A:17:LEU:HD13	12	0.11
(1,3389)	1:A:17:LEU:HD22	1:B:14:ILE:HD12	7	0.11
(1,3389)	1:A:17:LEU:HD22	1:B:14:ILE:HD11	7	0.11
(1,3389)	1:A:17:LEU:HD22	1:B:14:ILE:HD13	7	0.11
(1,3389)	1:A:17:LEU:HD21	1:B:14:ILE:HD12	7	0.11
(1,3389)	1:A:17:LEU:HD21	1:B:14:ILE:HD11	7	0.11
(1,3389)	1:A:17:LEU:HD21	1:B:14:ILE:HD13	7	0.11
(1,3389)	1:A:17:LEU:HD23	1:B:14:ILE:HD12	7	0.11
(1,3389)	1:A:17:LEU:HD23	1:B:14:ILE:HD11	7	0.11
(1,3389)	1:A:17:LEU:HD23	1:B:14:ILE:HD13	7	0.11
(1,3389)	1:A:17:LEU:HD22	1:B:17:LEU:HD12	7	0.11
(1,3389)	1:A:17:LEU:HD22	1:B:17:LEU:HD11	7	0.11
(1,3389)	1:A:17:LEU:HD22	1:B:17:LEU:HD13	7	0.11
(1,3389)	1:A:17:LEU:HD21	1:B:17:LEU:HD12	7	0.11
(1,3389)	1:A:17:LEU:HD21	1:B:17:LEU:HD11	7	0.11
(1,3389)	1:A:17:LEU:HD21	1:B:17:LEU:HD13	7	0.11
(1,3389)	1:A:17:LEU:HD23	1:B:17:LEU:HD12	7	0.11
(1,3389)	1:A:17:LEU:HD23	1:B:17:LEU:HD11	7	0.11
(1,3389)	1:A:17:LEU:HD23	1:B:17:LEU:HD13	7	0.11
(1,3389)	1:A:17:LEU:HD22	1:B:14:ILE:HD12	12	0.11
(1,3389)	1:A:17:LEU:HD22	1:B:14:ILE:HD11	12	0.11
(1,3389)	1:A:17:LEU:HD22	1:B:14:ILE:HD13	12	0.11
(1,3389)	1:A:17:LEU:HD21	1:B:14:ILE:HD12	12	0.11
(1,3389)	1:A:17:LEU:HD21	1:B:14:ILE:HD11	12	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3389)	1:A:17:LEU:HD21	1:B:14:ILE:HD13	12	0.11
(1,3389)	1:A:17:LEU:HD23	1:B:14:ILE:HD12	12	0.11
(1,3389)	1:A:17:LEU:HD23	1:B:14:ILE:HD11	12	0.11
(1,3389)	1:A:17:LEU:HD23	1:B:14:ILE:HD13	12	0.11
(1,3389)	1:A:17:LEU:HD22	1:B:17:LEU:HD12	12	0.11
(1,3389)	1:A:17:LEU:HD22	1:B:17:LEU:HD11	12	0.11
(1,3389)	1:A:17:LEU:HD22	1:B:17:LEU:HD13	12	0.11
(1,3389)	1:A:17:LEU:HD21	1:B:17:LEU:HD12	12	0.11
(1,3389)	1:A:17:LEU:HD21	1:B:17:LEU:HD11	12	0.11
(1,3389)	1:A:17:LEU:HD21	1:B:17:LEU:HD13	12	0.11
(1,3389)	1:A:17:LEU:HD23	1:B:17:LEU:HD12	12	0.11
(1,3389)	1:A:17:LEU:HD23	1:B:17:LEU:HD11	12	0.11
(1,3389)	1:A:17:LEU:HD23	1:B:17:LEU:HD13	12	0.11
(1,3386)	1:B:17:LEU:HD22	1:A:11:GLU:HG2	18	0.11
(1,3386)	1:B:17:LEU:HD21	1:A:11:GLU:HG2	18	0.11
(1,3386)	1:B:17:LEU:HD23	1:A:11:GLU:HG2	18	0.11
(1,3386)	1:B:17:LEU:HD22	1:A:15:GLU:HG2	18	0.11
(1,3386)	1:B:17:LEU:HD21	1:A:15:GLU:HG2	18	0.11
(1,3386)	1:B:17:LEU:HD23	1:A:15:GLU:HG2	18	0.11
(1,3386)	1:B:17:LEU:HD22	1:A:89:MET:HG3	18	0.11
(1,3386)	1:B:17:LEU:HD21	1:A:89:MET:HG3	18	0.11
(1,3386)	1:B:17:LEU:HD23	1:A:89:MET:HG3	18	0.11
(1,3386)	1:B:83:LEU:HD22	1:A:11:GLU:HG2	18	0.11
(1,3386)	1:B:83:LEU:HD21	1:A:11:GLU:HG2	18	0.11
(1,3386)	1:B:83:LEU:HD23	1:A:11:GLU:HG2	18	0.11
(1,3385)	1:A:17:LEU:HD22	1:B:11:GLU:HG2	18	0.11
(1,3385)	1:A:17:LEU:HD21	1:B:11:GLU:HG2	18	0.11
(1,3385)	1:A:17:LEU:HD23	1:B:11:GLU:HG2	18	0.11
(1,3385)	1:A:17:LEU:HD22	1:B:15:GLU:HG2	18	0.11
(1,3385)	1:A:17:LEU:HD21	1:B:15:GLU:HG2	18	0.11
(1,3385)	1:A:17:LEU:HD23	1:B:15:GLU:HG2	18	0.11
(1,3385)	1:A:17:LEU:HD22	1:B:89:MET:HG3	18	0.11
(1,3385)	1:A:17:LEU:HD21	1:B:89:MET:HG3	18	0.11
(1,3385)	1:A:17:LEU:HD23	1:B:89:MET:HG3	18	0.11
(1,3385)	1:A:83:LEU:HD22	1:B:11:GLU:HG2	18	0.11
(1,3385)	1:A:83:LEU:HD21	1:B:11:GLU:HG2	18	0.11
(1,3385)	1:A:83:LEU:HD23	1:B:11:GLU:HG2	18	0.11
(1,3357)	1:A:88:ALA:HB2	1:B:14:ILE:HB	19	0.11
(1,3357)	1:A:88:ALA:HB1	1:B:14:ILE:HB	19	0.11
(1,3357)	1:A:88:ALA:HB3	1:B:14:ILE:HB	19	0.11
(1,3357)	1:A:88:ALA:HB2	1:B:77:PHE:HB3	19	0.11
(1,3357)	1:A:88:ALA:HB1	1:B:77:PHE:HB3	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3357)	1:A:88:ALA:HB3	1:B:77:PHE:HB3	19	0.11
(1,3326)	1:B:72:ASP:H	1:B:71:SER:HA	18	0.11
(1,3174)	1:B:74:GLN:H	1:B:73:GLY:HA3	20	0.11
(1,3173)	1:A:74:GLN:H	1:A:73:GLY:HA3	20	0.11
(1,3170)	1:B:23:LYS:H	1:B:23:LYS:HD2	8	0.11
(1,3170)	1:B:23:LYS:H	1:B:23:LYS:HD3	8	0.11
(1,3170)	1:B:23:LYS:H	1:B:23:LYS:HD2	10	0.11
(1,3170)	1:B:23:LYS:H	1:B:23:LYS:HD3	10	0.11
(1,3169)	1:A:23:LYS:H	1:A:23:LYS:HD2	2	0.11
(1,3169)	1:A:23:LYS:H	1:A:23:LYS:HD3	2	0.11
(1,3169)	1:A:23:LYS:H	1:A:23:LYS:HD2	4	0.11
(1,3169)	1:A:23:LYS:H	1:A:23:LYS:HD3	4	0.11
(1,3169)	1:A:23:LYS:H	1:A:23:LYS:HD2	8	0.11
(1,3169)	1:A:23:LYS:H	1:A:23:LYS:HD3	8	0.11
(1,3169)	1:A:23:LYS:H	1:A:23:LYS:HD2	10	0.11
(1,3169)	1:A:23:LYS:H	1:A:23:LYS:HD3	10	0.11
(1,3166)	1:B:82:ASN:H	1:B:82:ASN:HB3	1	0.11
(1,3166)	1:B:82:ASN:H	1:B:82:ASN:HB3	5	0.11
(1,3165)	1:A:82:ASN:H	1:A:82:ASN:HB3	1	0.11
(1,3165)	1:A:82:ASN:H	1:A:82:ASN:HB3	5	0.11
(1,3144)	1:B:93:ASP:H	1:B:93:ASP:HB2	12	0.11
(1,3143)	1:A:93:ASP:H	1:A:93:ASP:HB2	12	0.11
(1,3124)	1:B:21:PHE:H	1:B:21:PHE:HB3	6	0.11
(1,3123)	1:A:21:PHE:H	1:A:21:PHE:HB3	6	0.11
(1,3102)	1:B:9:GLU:H	1:B:8:THR:HG21	8	0.11
(1,3102)	1:B:9:GLU:H	1:B:8:THR:HG22	8	0.11
(1,3102)	1:B:9:GLU:H	1:B:8:THR:HG23	8	0.11
(1,3102)	1:B:9:GLU:H	1:B:8:THR:HG21	14	0.11
(1,3102)	1:B:9:GLU:H	1:B:8:THR:HG22	14	0.11
(1,3102)	1:B:9:GLU:H	1:B:8:THR:HG23	14	0.11
(1,3101)	1:A:9:GLU:H	1:A:8:THR:HG21	8	0.11
(1,3101)	1:A:9:GLU:H	1:A:8:THR:HG22	8	0.11
(1,3101)	1:A:9:GLU:H	1:A:8:THR:HG23	8	0.11
(1,3101)	1:A:9:GLU:H	1:A:8:THR:HG21	14	0.11
(1,3101)	1:A:9:GLU:H	1:A:8:THR:HG22	14	0.11
(1,3101)	1:A:9:GLU:H	1:A:8:THR:HG23	14	0.11
(1,286)	1:B:75:LEU:HB3	1:B:39:PHE:HB3	14	0.11
(1,285)	1:A:75:LEU:HB3	1:A:39:PHE:HB3	14	0.11
(1,280)	1:B:17:LEU:HB2	1:B:21:PHE:H	2	0.11
(1,280)	1:B:17:LEU:HB2	1:B:21:PHE:H	3	0.11
(1,280)	1:B:17:LEU:HB2	1:B:21:PHE:H	4	0.11
(1,280)	1:B:17:LEU:HB2	1:B:21:PHE:H	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,280)	1:B:17:LEU:HB2	1:B:21:PHE:H	14	0.11
(1,280)	1:B:17:LEU:HB2	1:B:21:PHE:H	17	0.11
(1,279)	1:A:17:LEU:HB2	1:A:21:PHE:H	2	0.11
(1,279)	1:A:17:LEU:HB2	1:A:21:PHE:H	4	0.11
(1,279)	1:A:17:LEU:HB2	1:A:21:PHE:H	8	0.11
(1,279)	1:A:17:LEU:HB2	1:A:21:PHE:H	14	0.11
(1,279)	1:A:17:LEU:HB2	1:A:21:PHE:H	17	0.11
(1,2768)	1:B:80:PHE:H	1:B:75:LEU:HB2	12	0.11
(1,2723)	1:A:78:SER:H	1:A:81:LEU:HD12	10	0.11
(1,2723)	1:A:78:SER:H	1:A:81:LEU:HD11	10	0.11
(1,2723)	1:A:78:SER:H	1:A:81:LEU:HD13	10	0.11
(1,2656)	1:B:8:THR:H	1:B:11:GLU:HA	8	0.11
(1,2656)	1:B:8:THR:H	1:B:11:GLU:HA	14	0.11
(1,2656)	1:B:8:THR:H	1:B:11:GLU:HA	18	0.11
(1,2655)	1:A:8:THR:H	1:A:11:GLU:HA	8	0.11
(1,2655)	1:A:8:THR:H	1:A:11:GLU:HA	14	0.11
(1,2655)	1:A:8:THR:H	1:A:11:GLU:HA	18	0.11
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD22	16	0.11
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD21	16	0.11
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD23	16	0.11
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD22	18	0.11
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD21	18	0.11
(1,2636)	1:B:43:MET:H	1:B:34:LEU:HD23	18	0.11
(1,2635)	1:A:43:MET:H	1:A:34:LEU:HD22	15	0.11
(1,2635)	1:A:43:MET:H	1:A:34:LEU:HD21	15	0.11
(1,2635)	1:A:43:MET:H	1:A:34:LEU:HD23	15	0.11
(1,2635)	1:A:43:MET:H	1:A:34:LEU:HD22	16	0.11
(1,2635)	1:A:43:MET:H	1:A:34:LEU:HD21	16	0.11
(1,2635)	1:A:43:MET:H	1:A:34:LEU:HD23	16	0.11
(1,2630)	1:B:69:THR:H	1:B:67:LEU:HB2	9	0.11
(1,2630)	1:B:69:THR:H	1:B:67:LEU:HB2	19	0.11
(1,2629)	1:A:69:THR:H	1:A:67:LEU:HB2	9	0.11
(1,2629)	1:A:69:THR:H	1:A:67:LEU:HB2	19	0.11
(1,2554)	1:B:38:GLU:H	1:B:40:LEU:HD22	9	0.11
(1,2554)	1:B:38:GLU:H	1:B:40:LEU:HD21	9	0.11
(1,2554)	1:B:38:GLU:H	1:B:40:LEU:HD23	9	0.11
(1,2554)	1:B:38:GLU:H	1:B:40:LEU:HD22	13	0.11
(1,2554)	1:B:38:GLU:H	1:B:40:LEU:HD21	13	0.11
(1,2554)	1:B:38:GLU:H	1:B:40:LEU:HD23	13	0.11
(1,2554)	1:B:38:GLU:H	1:B:40:LEU:HD22	18	0.11
(1,2554)	1:B:38:GLU:H	1:B:40:LEU:HD21	18	0.11
(1,2554)	1:B:38:GLU:H	1:B:40:LEU:HD23	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2553)	1:A:38:GLU:H	1:A:40:LEU:HD22	9	0.11
(1,2553)	1:A:38:GLU:H	1:A:40:LEU:HD21	9	0.11
(1,2553)	1:A:38:GLU:H	1:A:40:LEU:HD23	9	0.11
(1,2553)	1:A:38:GLU:H	1:A:40:LEU:HD22	13	0.11
(1,2553)	1:A:38:GLU:H	1:A:40:LEU:HD21	13	0.11
(1,2553)	1:A:38:GLU:H	1:A:40:LEU:HD23	13	0.11
(1,2553)	1:A:38:GLU:H	1:A:40:LEU:HD22	18	0.11
(1,2553)	1:A:38:GLU:H	1:A:40:LEU:HD21	18	0.11
(1,2553)	1:A:38:GLU:H	1:A:40:LEU:HD23	18	0.11
(1,2425)	1:A:41:SER:H	1:A:45:THR:H	3	0.11
(1,1924)	1:B:62:ARG:HG3	1:B:62:ARG:HA	11	0.11
(1,1924)	1:B:62:ARG:HG3	1:B:62:ARG:HA	16	0.11
(1,1923)	1:A:62:ARG:HG3	1:A:62:ARG:HA	11	0.11
(1,1923)	1:A:62:ARG:HG3	1:A:62:ARG:HA	16	0.11
(1,192)	1:B:67:LEU:HB2	1:B:63:MET:HB2	4	0.11
(1,192)	1:B:67:LEU:HB2	1:B:63:MET:HB2	14	0.11
(1,191)	1:A:67:LEU:HB2	1:A:63:MET:HB2	4	0.11
(1,191)	1:A:67:LEU:HB2	1:A:63:MET:HB2	14	0.11
(1,191)	1:A:67:LEU:HB2	1:A:63:MET:HB2	17	0.11
(1,1848)	1:B:59:VAL:HG22	1:B:60:LEU:HA	4	0.11
(1,1848)	1:B:59:VAL:HG21	1:B:60:LEU:HA	4	0.11
(1,1848)	1:B:59:VAL:HG23	1:B:60:LEU:HA	4	0.11
(1,1848)	1:B:59:VAL:HG22	1:B:60:LEU:HA	14	0.11
(1,1848)	1:B:59:VAL:HG21	1:B:60:LEU:HA	14	0.11
(1,1848)	1:B:59:VAL:HG23	1:B:60:LEU:HA	14	0.11
(1,1848)	1:B:59:VAL:HG22	1:B:60:LEU:HA	18	0.11
(1,1848)	1:B:59:VAL:HG21	1:B:60:LEU:HA	18	0.11
(1,1848)	1:B:59:VAL:HG23	1:B:60:LEU:HA	18	0.11
(1,1848)	1:B:59:VAL:HG22	1:B:60:LEU:HA	20	0.11
(1,1848)	1:B:59:VAL:HG21	1:B:60:LEU:HA	20	0.11
(1,1848)	1:B:59:VAL:HG23	1:B:60:LEU:HA	20	0.11
(1,1847)	1:A:59:VAL:HG22	1:A:60:LEU:HA	4	0.11
(1,1847)	1:A:59:VAL:HG21	1:A:60:LEU:HA	4	0.11
(1,1847)	1:A:59:VAL:HG23	1:A:60:LEU:HA	4	0.11
(1,1847)	1:A:59:VAL:HG22	1:A:60:LEU:HA	14	0.11
(1,1847)	1:A:59:VAL:HG21	1:A:60:LEU:HA	14	0.11
(1,1847)	1:A:59:VAL:HG23	1:A:60:LEU:HA	14	0.11
(1,1847)	1:A:59:VAL:HG22	1:A:60:LEU:HA	18	0.11
(1,1847)	1:A:59:VAL:HG21	1:A:60:LEU:HA	18	0.11
(1,1847)	1:A:59:VAL:HG23	1:A:60:LEU:HA	18	0.11
(1,1847)	1:A:59:VAL:HG22	1:A:60:LEU:HA	20	0.11
(1,1847)	1:A:59:VAL:HG21	1:A:60:LEU:HA	20	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1847)	1:A:59:VAL:HG23	1:A:60:LEU:HA	20	0.11
(1,1739)	1:A:23:LYS:HE2	1:B:8:THR:HB	17	0.11
(1,1739)	1:A:23:LYS:HE3	1:B:8:THR:HB	17	0.11
(1,168)	1:B:76:ASP:HB2	1:B:75:LEU:HA	10	0.11
(1,167)	1:A:76:ASP:HB2	1:A:75:LEU:HA	10	0.11
(1,165)	1:A:11:GLU:HG3	1:A:10:THR:H	12	0.11
(1,162)	1:B:76:ASP:HB2	1:B:33:THR:HB	3	0.11
(1,162)	1:B:76:ASP:HB2	1:B:33:THR:HB	13	0.11
(1,1608)	1:B:47:LEU:HB2	1:B:50:PHE:HB2	4	0.11
(1,1608)	1:B:47:LEU:HB2	1:B:50:PHE:HB3	4	0.11
(1,1607)	1:A:47:LEU:HB2	1:A:50:PHE:HB2	4	0.11
(1,1607)	1:A:47:LEU:HB2	1:A:50:PHE:HB3	4	0.11
(1,146)	1:B:78:SER:HB2	1:B:81:LEU:HB3	3	0.11
(1,146)	1:B:78:SER:HB3	1:B:81:LEU:HB3	3	0.11
(1,145)	1:A:78:SER:HB2	1:A:81:LEU:HB3	3	0.11
(1,145)	1:A:78:SER:HB3	1:A:81:LEU:HB3	3	0.11
(1,1314)	1:B:59:VAL:HB	1:B:60:LEU:H	8	0.11
(1,1314)	1:B:59:VAL:HB	1:B:60:LEU:H	10	0.11
(1,1314)	1:B:59:VAL:HB	1:B:60:LEU:H	19	0.11
(1,1313)	1:A:59:VAL:HB	1:A:60:LEU:H	8	0.11
(1,1313)	1:A:59:VAL:HB	1:A:60:LEU:H	10	0.11
(1,1313)	1:A:59:VAL:HB	1:A:60:LEU:H	11	0.11
(1,1313)	1:A:59:VAL:HB	1:A:60:LEU:H	19	0.11
(1,127)	1:A:80:PHE:HA	1:A:75:LEU:HA	15	0.11
(1,1238)	1:B:62:ARG:HB3	1:B:59:VAL:HA	6	0.11
(1,1236)	1:B:16:SER:HB3	1:A:9:GLU:HG2	5	0.11
(1,1236)	1:B:16:SER:HB3	1:A:9:GLU:HG3	5	0.11
(1,1235)	1:A:16:SER:HB3	1:B:9:GLU:HG2	5	0.11
(1,1235)	1:A:16:SER:HB3	1:B:9:GLU:HG3	5	0.11
(1,1222)	1:B:89:MET:HG2	1:B:88:ALA:HB2	7	0.11
(1,1222)	1:B:89:MET:HG2	1:B:88:ALA:HB1	7	0.11
(1,1222)	1:B:89:MET:HG2	1:B:88:ALA:HB3	7	0.11
(1,1221)	1:A:89:MET:HG2	1:A:88:ALA:HB2	7	0.11
(1,1221)	1:A:89:MET:HG2	1:A:88:ALA:HB1	7	0.11
(1,1221)	1:A:89:MET:HG2	1:A:88:ALA:HB3	7	0.11
(1,1221)	1:A:89:MET:HG2	1:A:88:ALA:HB2	16	0.11
(1,1221)	1:A:89:MET:HG2	1:A:88:ALA:HB1	16	0.11
(1,1221)	1:A:89:MET:HG2	1:A:88:ALA:HB3	16	0.11
(1,1156)	1:B:76:ASP:HB2	1:B:76:ASP:HB3	16	0.11
(1,1155)	1:A:76:ASP:HB2	1:A:76:ASP:HB3	16	0.11
(1,110)	1:B:9:GLU:HG2	1:A:16:SER:HB2	12	0.11
(1,110)	1:B:9:GLU:HG3	1:A:16:SER:HB2	12	0.11

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<b>Key</b>	<b>Atom-1</b>	<b>Atom-2</b>	<b>Model ID</b>	<b>Violation (Å)</b>
(1,109)	1:A:9:GLU:HG2	1:B:16:SER:HB2	12	0.11
(1,109)	1:A:9:GLU:HG3	1:B:16:SER:HB2	12	0.11

## 10 Dihedral-angle violation analysis [i](#)

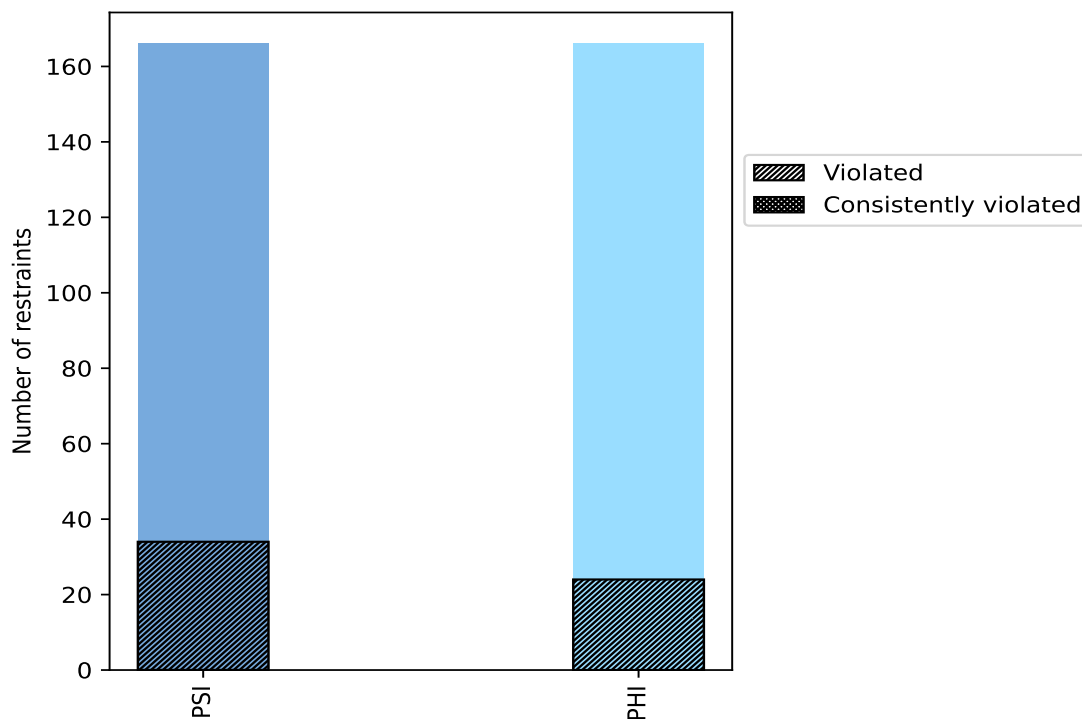
### 10.1 Summary of dihedral-angle violations [i](#)

The following table provides the summary of dihedral-angle violations in different dihedral-angle types. Violations less than 1° are not included in the calculation.

Angle type	Count	% <sup>1</sup>	Violated <sup>3</sup>			Consistently Violated <sup>4</sup>		
			Count	% <sup>2</sup>	% <sup>1</sup>	Count	% <sup>2</sup>	% <sup>1</sup>
PSI	166	50.0	34	20.5	10.2	0	0.0	0.0
PHI	166	50.0	24	14.5	7.2	0	0.0	0.0
Total	332	100.0	58	17.5	17.5	0	0.0	0.0

<sup>1</sup> percentage calculated with respect to total number of dihedral-angle restraints, <sup>2</sup> percentage calculated with respect to number of restraints in a particular dihedral-angle type, <sup>3</sup> violated in at least one model, <sup>4</sup> violated in all the models

#### 10.1.1 Bar chart : Distribution of dihedral-angles and violations [i](#)



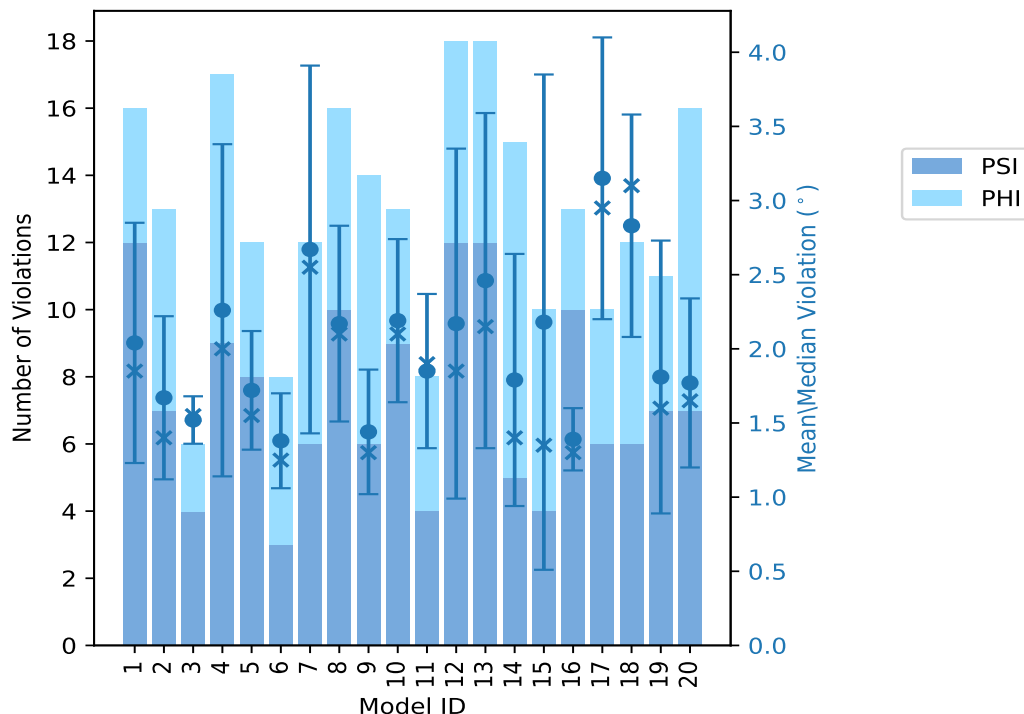
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

## 10.2 Dihedral-angle violation statistics for each model [i](#)

The following table provides the dihedral-angle violation statistics for each model in the ensemble. Violations less than 1° are not included in the statistics.

Model ID	Number of violations			Mean (°)	Max (°)	SD (°)	Median (°)
	PSI	PHI	Total				
1	12	4	16	2.04	3.8	0.81	1.85
2	7	6	13	1.67	2.6	0.55	1.4
3	4	2	6	1.52	1.7	0.16	1.55
4	9	8	17	2.26	4.7	1.12	2.0
5	8	4	12	1.72	2.5	0.4	1.55
6	3	5	8	1.38	1.9	0.32	1.25
7	6	6	12	2.67	5.0	1.24	2.55
8	10	6	16	2.17	3.5	0.66	2.1
9	6	8	14	1.44	2.5	0.42	1.3
10	9	4	13	2.19	3.1	0.55	2.1
11	4	4	8	1.85	2.5	0.52	1.9
12	12	6	18	2.17	4.8	1.18	1.85
13	12	6	18	2.46	5.1	1.13	2.15
14	5	10	15	1.79	3.9	0.85	1.4
15	4	6	10	2.18	5.6	1.67	1.35
16	10	3	13	1.39	1.8	0.21	1.3
17	6	4	10	3.15	4.7	0.95	2.95
18	6	6	12	2.83	3.7	0.75	3.1
19	7	4	11	1.81	3.8	0.92	1.6
20	7	9	16	1.77	2.9	0.57	1.65

### 10.2.1 Bar graph : Dihedral violation statistics for each model [i](#)



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

### 10.3 Dihedral-angle violation statistics for the ensemble [i](#)

Violation analysis may find that some restraints are violated in very 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 ensemble.

Number of violated restraints			Fraction of the ensemble	
PSI	PHI	Total	Count <sup>1</sup>	%
10	12	22	1	5.0
1	4	5	2	10.0
8	0	8	3	15.0
3	1	4	4	20.0
4	0	4	5	25.0
0	1	1	6	30.0
1	0	1	7	35.0
1	0	1	8	40.0
1	2	3	9	45.0
1	0	1	10	50.0
3	0	3	11	55.0

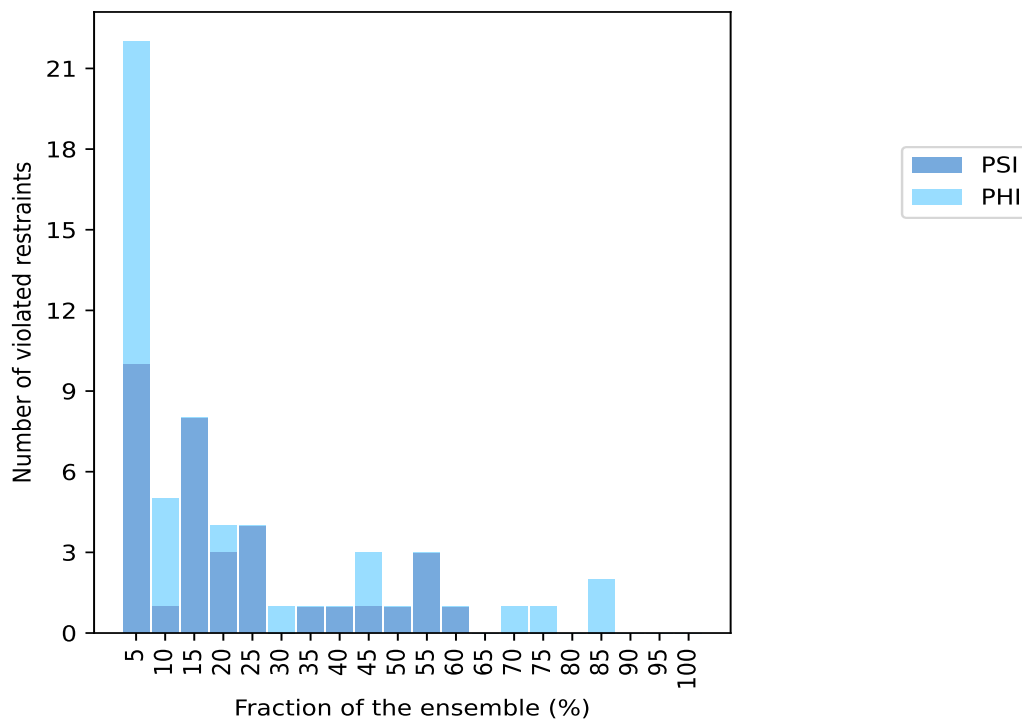
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Number of violated restraints			Fraction of the ensemble	
PSI	PHI	Total	Count <sup>1</sup>	%
1	0	1	12	60.0
0	0	0	13	65.0
0	1	1	14	70.0
0	1	1	15	75.0
0	0	0	16	80.0
0	2	2	17	85.0
0	0	0	18	90.0
0	0	0	19	95.0
0	0	0	20	100.0

<sup>1</sup> Number of models with violations

### 10.3.1 Bar graph : Dihedral-angle Violation statistics for the ensemble [i](#)

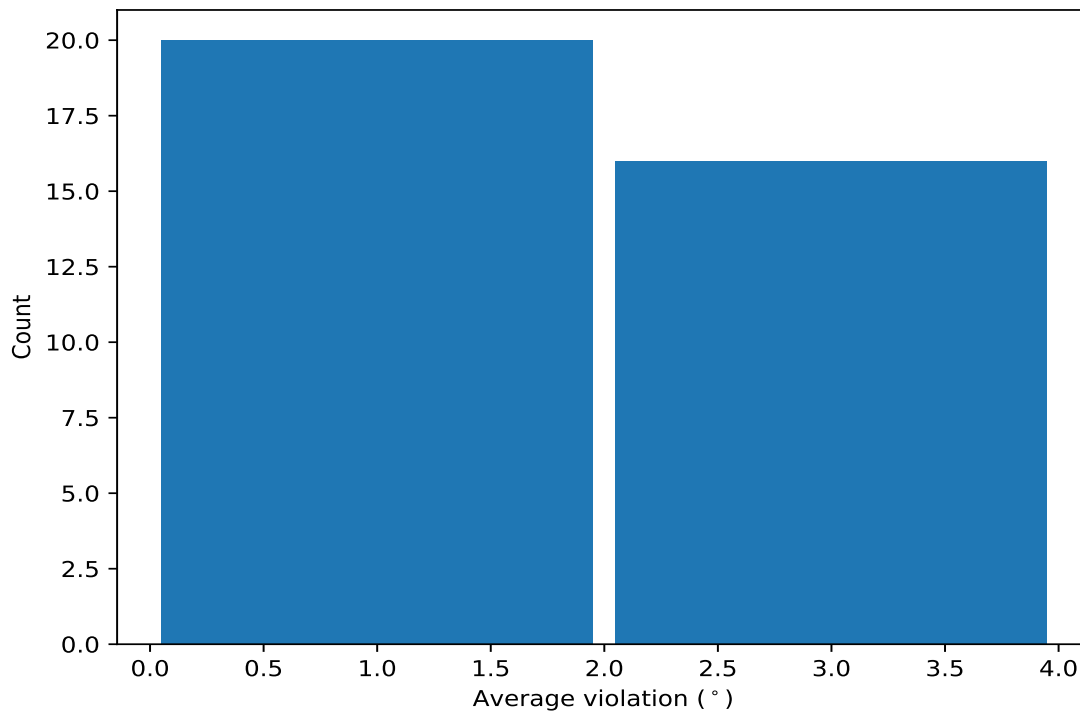


## 10.4 Most violated dihedral-angle restraints in the ensemble [i](#)

### 10.4.1 Histogram : Distribution of mean dihedral-angle violations [i](#)

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



#### 10.4.2 Table: Most violated dihedral-angle 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.

Key	Atom-1	Atom-2	Atom-3	Atom-4	Models <sup>1</sup>	Mean	SD <sup>2</sup>	Median
(1,190)	1:B:33:THR:C	1:B:34:LEU:N	1:B:34:LEU:CA	1:B:34:LEU:C	17	2.68	1.33	2.5
(1,24)	1:A:33:THR:C	1:A:34:LEU:N	1:A:34:LEU:CA	1:A:34:LEU:C	17	2.66	1.31	2.5
(1,183)	1:B:23:LYS:C	1:B:24:TYR:N	1:B:24:TYR:CA	1:B:24:TYR:C	15	2.3	0.89	2.1
(1,17)	1:A:23:LYS:C	1:A:24:TYR:N	1:A:24:TYR:CA	1:A:24:TYR:C	14	2.36	0.9	2.0
(1,118)	1:A:45:THR:N	1:A:45:THR:CA	1:A:45:THR:C	1:A:46:GLU:N	12	1.65	0.52	1.5
(1,305)	1:B:70:ASN:N	1:B:70:ASN:CA	1:B:70:ASN:C	1:B:71:SER:N	11	2.11	0.44	2.1
(1,139)	1:A:70:ASN:N	1:A:70:ASN:CA	1:A:70:ASN:C	1:A:71:SER:N	11	2.08	0.38	2.2
(1,284)	1:B:45:THR:N	1:B:45:THR:CA	1:B:45:THR:C	1:B:46:GLU:N	11	1.69	0.41	1.7
(1,104)	1:A:28:ASP:N	1:A:28:ASP:CA	1:A:28:ASP:C	1:A:29:GLY:N	10	2.39	1.04	2.25
(1,270)	1:B:28:ASP:N	1:B:28:ASP:CA	1:B:28:ASP:C	1:B:29:GLY:N	9	2.6	1.02	2.3
(1,201)	1:B:44:ASN:C	1:B:45:THR:N	1:B:45:THR:CA	1:B:45:THR:C	9	1.6	0.46	1.5
(1,35)	1:A:44:ASN:C	1:A:45:THR:N	1:A:45:THR:CA	1:A:45:THR:C	9	1.59	0.45	1.4
(1,105)	1:A:29:GLY:N	1:A:29:GLY:CA	1:A:29:GLY:C	1:A:30:TYR:N	8	2.58	1.54	2.0
(1,271)	1:B:29:GLY:N	1:B:29:GLY:CA	1:B:29:GLY:C	1:B:30:TYR:N	7	2.91	1.62	2.5
(1,206)	1:B:49:ALA:C	1:B:50:PHE:N	1:B:50:PHE:CA	1:B:50:PHE:C	6	1.35	0.29	1.2
(1,115)	1:A:42:PHE:N	1:A:42:PHE:CA	1:A:42:PHE:C	1:A:43:MET:N	5	2.32	0.69	2.6
(1,281)	1:B:42:PHE:N	1:B:42:PHE:CA	1:B:42:PHE:C	1:B:43:MET:N	5	2.32	0.62	2.5
(1,107)	1:A:34:LEU:N	1:A:34:LEU:CA	1:A:34:LEU:C	1:A:35:SER:N	5	2.24	0.77	2.3
(1,273)	1:B:34:LEU:N	1:B:34:LEU:CA	1:B:34:LEU:C	1:B:35:SER:N	5	2.22	0.76	2.3
(1,300)	1:B:65:LYS:N	1:B:65:LYS:CA	1:B:65:LYS:C	1:B:66:LYS:N	4	1.9	0.67	1.7

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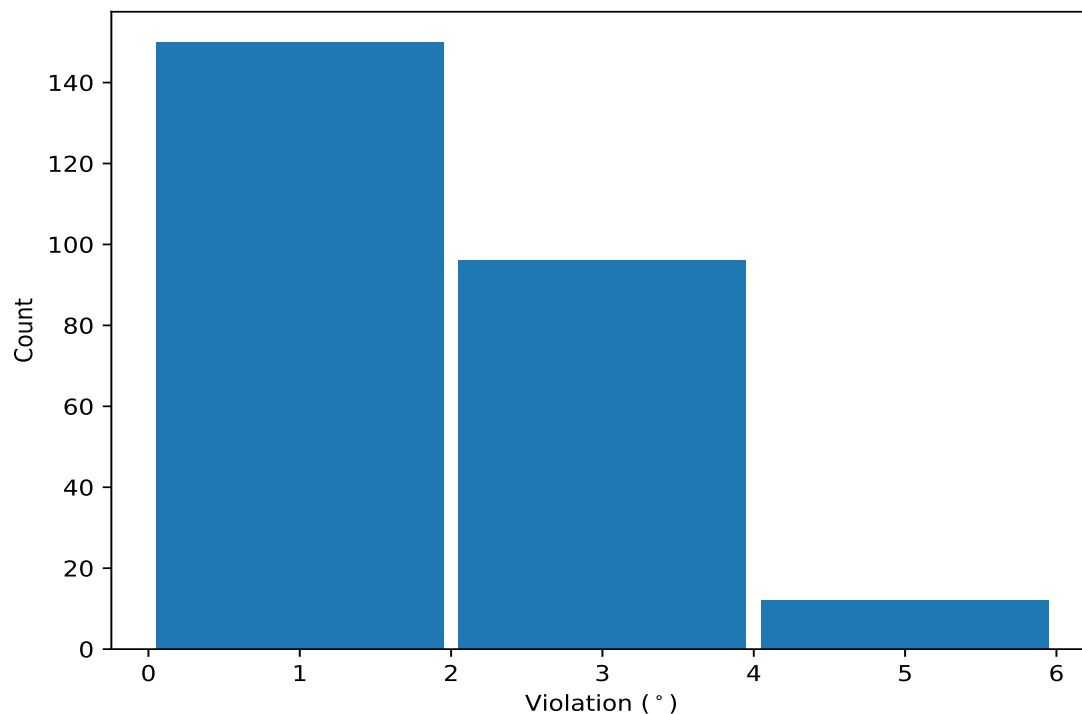
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models <sup>1</sup>	Mean	SD <sup>2</sup>	Median
(1,134)	1:A:65:LYS:N	1:A:65:LYS:CA	1:A:65:LYS:C	1:A:66:LYS:N	4	1.85	0.75	1.6
(1,141)	1:A:72:ASP:N	1:A:72:ASP:CA	1:A:72:ASP:C	1:A:73:GLY:N	4	1.55	0.25	1.55
(1,40)	1:A:49:ALA:C	1:A:50:PHE:N	1:A:50:PHE:CA	1:A:50:PHE:C	4	1.45	0.36	1.4
(1,267)	1:B:25:ALA:N	1:B:25:ALA:CA	1:B:25:ALA:C	1:B:26:GLY:N	3	2.23	1.03	2.0
(1,264)	1:B:22:GLN:N	1:B:22:GLN:CA	1:B:22:GLN:C	1:B:23:LYS:N	3	1.9	0.16	1.9
(1,98)	1:A:22:GLN:N	1:A:22:GLN:CA	1:A:22:GLN:C	1:A:23:LYS:N	3	1.73	0.26	1.6
(1,307)	1:B:72:ASP:N	1:B:72:ASP:CA	1:B:72:ASP:C	1:B:73:GLY:N	3	1.63	0.21	1.6
(1,275)	1:B:36:LYS:N	1:B:36:LYS:CA	1:B:36:LYS:C	1:B:37:THR:N	3	1.43	0.21	1.4
(1,109)	1:A:36:LYS:N	1:A:36:LYS:CA	1:A:36:LYS:C	1:A:37:THR:N	3	1.37	0.17	1.3
(1,292)	1:B:53:ASN:N	1:B:53:ASN:CA	1:B:53:ASN:C	1:B:54:GLN:N	3	1.37	0.17	1.3
(1,126)	1:A:53:ASN:N	1:A:53:ASN:CA	1:A:53:ASN:C	1:A:54:GLN:N	3	1.33	0.33	1.1
(1,101)	1:A:25:ALA:N	1:A:25:ALA:CA	1:A:25:ALA:C	1:A:26:GLY:N	2	2.9	0.9	2.9
(1,32)	1:A:41:SER:C	1:A:42:PHE:N	1:A:42:PHE:CA	1:A:42:PHE:C	2	1.4	0.0	1.4
(1,229)	1:B:76:ASP:C	1:B:77:PHE:N	1:B:77:PHE:CA	1:B:77:PHE:C	2	1.3	0.1	1.3
(1,198)	1:B:41:SER:C	1:B:42:PHE:N	1:B:42:PHE:CA	1:B:42:PHE:C	2	1.25	0.05	1.25
(1,63)	1:A:76:ASP:C	1:A:77:PHE:N	1:A:77:PHE:CA	1:A:77:PHE:C	2	1.2	0.0	1.2

<sup>1</sup> Number of violated models, <sup>2</sup>Standard deviation, All angle values are in degree (°)

## 10.5 All violated dihedral-angle restraints [i](#)

### 10.5.1 Histogram : Distribution of violations [i](#)

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





### 10.5.2 Table: All violated dihedral-angle restraints [\(i\)](#)

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.

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,271)	1:B:29:GLY:N	1:B:29:GLY:CA	1:B:29:GLY:C	1:B:30:TYR:N	15	5.6
(1,105)	1:A:29:GLY:N	1:A:29:GLY:CA	1:A:29:GLY:C	1:A:30:TYR:N	15	5.4
(1,190)	1:B:33:THR:C	1:B:34:LEU:N	1:B:34:LEU:CA	1:B:34:LEU:C	13	5.1
(1,271)	1:B:29:GLY:N	1:B:29:GLY:CA	1:B:29:GLY:C	1:B:30:TYR:N	7	5.0
(1,24)	1:A:33:THR:C	1:A:34:LEU:N	1:A:34:LEU:CA	1:A:34:LEU:C	13	5.0
(1,24)	1:A:33:THR:C	1:A:34:LEU:N	1:A:34:LEU:CA	1:A:34:LEU:C	12	4.8
(1,190)	1:B:33:THR:C	1:B:34:LEU:N	1:B:34:LEU:CA	1:B:34:LEU:C	12	4.8
(1,270)	1:B:28:ASP:N	1:B:28:ASP:CA	1:B:28:ASP:C	1:B:29:GLY:N	17	4.7
(1,190)	1:B:33:THR:C	1:B:34:LEU:N	1:B:34:LEU:CA	1:B:34:LEU:C	4	4.7
(1,24)	1:A:33:THR:C	1:A:34:LEU:N	1:A:34:LEU:CA	1:A:34:LEU:C	4	4.6
(1,105)	1:A:29:GLY:N	1:A:29:GLY:CA	1:A:29:GLY:C	1:A:30:TYR:N	7	4.5
(1,104)	1:A:28:ASP:N	1:A:28:ASP:CA	1:A:28:ASP:C	1:A:29:GLY:N	17	4.3
(1,24)	1:A:33:THR:C	1:A:34:LEU:N	1:A:34:LEU:CA	1:A:34:LEU:C	14	3.9
(1,183)	1:B:23:LYS:C	1:B:24:TYR:N	1:B:24:TYR:CA	1:B:24:TYR:C	17	3.9
(1,17)	1:A:23:LYS:C	1:A:24:TYR:N	1:A:24:TYR:CA	1:A:24:TYR:C	17	3.9
(1,190)	1:B:33:THR:C	1:B:34:LEU:N	1:B:34:LEU:CA	1:B:34:LEU:C	1	3.8
(1,190)	1:B:33:THR:C	1:B:34:LEU:N	1:B:34:LEU:CA	1:B:34:LEU:C	14	3.8
(1,101)	1:A:25:ALA:N	1:A:25:ALA:CA	1:A:25:ALA:C	1:A:26:GLY:N	19	3.8
(1,24)	1:A:33:THR:C	1:A:34:LEU:N	1:A:34:LEU:CA	1:A:34:LEU:C	1	3.7
(1,183)	1:B:23:LYS:C	1:B:24:TYR:N	1:B:24:TYR:CA	1:B:24:TYR:C	18	3.7
(1,17)	1:A:23:LYS:C	1:A:24:TYR:N	1:A:24:TYR:CA	1:A:24:TYR:C	12	3.7
(1,17)	1:A:23:LYS:C	1:A:24:TYR:N	1:A:24:TYR:CA	1:A:24:TYR:C	18	3.7
(1,267)	1:B:25:ALA:N	1:B:25:ALA:CA	1:B:25:ALA:C	1:B:26:GLY:N	19	3.6
(1,273)	1:B:34:LEU:N	1:B:34:LEU:CA	1:B:34:LEU:C	1:B:35:SER:N	8	3.5
(1,270)	1:B:28:ASP:N	1:B:28:ASP:CA	1:B:28:ASP:C	1:B:29:GLY:N	13	3.5
(1,183)	1:B:23:LYS:C	1:B:24:TYR:N	1:B:24:TYR:CA	1:B:24:TYR:C	12	3.5
(1,17)	1:A:23:LYS:C	1:A:24:TYR:N	1:A:24:TYR:CA	1:A:24:TYR:C	7	3.5
(1,107)	1:A:34:LEU:N	1:A:34:LEU:CA	1:A:34:LEU:C	1:A:35:SER:N	8	3.5
(1,104)	1:A:28:ASP:N	1:A:28:ASP:CA	1:A:28:ASP:C	1:A:29:GLY:N	13	3.5
(1,270)	1:B:28:ASP:N	1:B:28:ASP:CA	1:B:28:ASP:C	1:B:29:GLY:N	4	3.4
(1,183)	1:B:23:LYS:C	1:B:24:TYR:N	1:B:24:TYR:CA	1:B:24:TYR:C	7	3.4
(1,104)	1:A:28:ASP:N	1:A:28:ASP:CA	1:A:28:ASP:C	1:A:29:GLY:N	4	3.4
(1,22)	1:A:28:ASP:C	1:A:29:GLY:N	1:A:29:GLY:CA	1:A:29:GLY:C	7	3.2
(1,190)	1:B:33:THR:C	1:B:34:LEU:N	1:B:34:LEU:CA	1:B:34:LEU:C	18	3.2
(1,281)	1:B:42:PHE:N	1:B:42:PHE:CA	1:B:42:PHE:C	1:B:43:MET:N	18	3.1
(1,24)	1:A:33:THR:C	1:A:34:LEU:N	1:A:34:LEU:CA	1:A:34:LEU:C	18	3.1
(1,134)	1:A:65:LYS:N	1:A:65:LYS:CA	1:A:65:LYS:C	1:A:66:LYS:N	10	3.1
(1,115)	1:A:42:PHE:N	1:A:42:PHE:CA	1:A:42:PHE:C	1:A:43:MET:N	18	3.1
(1,105)	1:A:29:GLY:N	1:A:29:GLY:CA	1:A:29:GLY:C	1:A:30:TYR:N	18	3.1
(1,300)	1:B:65:LYS:N	1:B:65:LYS:CA	1:B:65:LYS:C	1:B:66:LYS:N	10	3.0
(1,271)	1:B:29:GLY:N	1:B:29:GLY:CA	1:B:29:GLY:C	1:B:30:TYR:N	18	3.0
(1,24)	1:A:33:THR:C	1:A:34:LEU:N	1:A:34:LEU:CA	1:A:34:LEU:C	17	3.0
(1,188)	1:B:28:ASP:C	1:B:29:GLY:N	1:B:29:GLY:CA	1:B:29:GLY:C	7	3.0
(1,190)	1:B:33:THR:C	1:B:34:LEU:N	1:B:34:LEU:CA	1:B:34:LEU:C	17	2.9
(1,115)	1:A:42:PHE:N	1:A:42:PHE:CA	1:A:42:PHE:C	1:A:43:MET:N	20	2.9
(1,281)	1:B:42:PHE:N	1:B:42:PHE:CA	1:B:42:PHE:C	1:B:43:MET:N	20	2.8
(1,190)	1:B:33:THR:C	1:B:34:LEU:N	1:B:34:LEU:CA	1:B:34:LEU:C	8	2.8

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,118)	1:A:45:THR:N	1:A:45:THR:CA	1:A:45:THR:C	1:A:46:GLU:N	10	2.8
(1,104)	1:A:28:ASP:N	1:A:28:ASP:CA	1:A:28:ASP:C	1:A:29:GLY:N	1	2.8
(1,305)	1:B:70:ASN:N	1:B:70:ASN:CA	1:B:70:ASN:C	1:B:71:SER:N	18	2.7
(1,284)	1:B:45:THR:N	1:B:45:THR:CA	1:B:45:THR:C	1:B:46:GLU:N	10	2.7
(1,201)	1:B:44:ASN:C	1:B:45:THR:N	1:B:45:THR:CA	1:B:45:THR:C	13	2.7
(1,139)	1:A:70:ASN:N	1:A:70:ASN:CA	1:A:70:ASN:C	1:A:71:SER:N	18	2.7
(1,305)	1:B:70:ASN:N	1:B:70:ASN:CA	1:B:70:ASN:C	1:B:71:SER:N	2	2.6
(1,305)	1:B:70:ASN:N	1:B:70:ASN:CA	1:B:70:ASN:C	1:B:71:SER:N	4	2.6
(1,24)	1:A:33:THR:C	1:A:34:LEU:N	1:A:34:LEU:CA	1:A:34:LEU:C	8	2.6
(1,115)	1:A:42:PHE:N	1:A:42:PHE:CA	1:A:42:PHE:C	1:A:43:MET:N	17	2.6
(1,35)	1:A:44:ASN:C	1:A:45:THR:N	1:A:45:THR:CA	1:A:45:THR:C	13	2.5
(1,281)	1:B:42:PHE:N	1:B:42:PHE:CA	1:B:42:PHE:C	1:B:43:MET:N	17	2.5
(1,271)	1:B:29:GLY:N	1:B:29:GLY:CA	1:B:29:GLY:C	1:B:30:TYR:N	5	2.5
(1,270)	1:B:28:ASP:N	1:B:28:ASP:CA	1:B:28:ASP:C	1:B:29:GLY:N	1	2.5
(1,24)	1:A:33:THR:C	1:A:34:LEU:N	1:A:34:LEU:CA	1:A:34:LEU:C	20	2.5
(1,190)	1:B:33:THR:C	1:B:34:LEU:N	1:B:34:LEU:CA	1:B:34:LEU:C	11	2.5
(1,183)	1:B:23:LYS:C	1:B:24:TYR:N	1:B:24:TYR:CA	1:B:24:TYR:C	9	2.5
(1,107)	1:A:34:LEU:N	1:A:34:LEU:CA	1:A:34:LEU:C	1:A:35:SER:N	13	2.5
(1,105)	1:A:29:GLY:N	1:A:29:GLY:CA	1:A:29:GLY:C	1:A:30:TYR:N	5	2.5
(1,305)	1:B:70:ASN:N	1:B:70:ASN:CA	1:B:70:ASN:C	1:B:71:SER:N	8	2.4
(1,273)	1:B:34:LEU:N	1:B:34:LEU:CA	1:B:34:LEU:C	1:B:35:SER:N	13	2.4
(1,24)	1:A:33:THR:C	1:A:34:LEU:N	1:A:34:LEU:CA	1:A:34:LEU:C	11	2.4
(1,17)	1:A:23:LYS:C	1:A:24:TYR:N	1:A:24:TYR:CA	1:A:24:TYR:C	9	2.4
(1,139)	1:A:70:ASN:N	1:A:70:ASN:CA	1:A:70:ASN:C	1:A:71:SER:N	4	2.4
(1,104)	1:A:28:ASP:N	1:A:28:ASP:CA	1:A:28:ASP:C	1:A:29:GLY:N	8	2.4
(1,35)	1:A:44:ASN:C	1:A:45:THR:N	1:A:45:THR:CA	1:A:45:THR:C	10	2.3
(1,273)	1:B:34:LEU:N	1:B:34:LEU:CA	1:B:34:LEU:C	1:B:35:SER:N	4	2.3
(1,270)	1:B:28:ASP:N	1:B:28:ASP:CA	1:B:28:ASP:C	1:B:29:GLY:N	8	2.3
(1,190)	1:B:33:THR:C	1:B:34:LEU:N	1:B:34:LEU:CA	1:B:34:LEU:C	20	2.3
(1,183)	1:B:23:LYS:C	1:B:24:TYR:N	1:B:24:TYR:CA	1:B:24:TYR:C	2	2.3
(1,183)	1:B:23:LYS:C	1:B:24:TYR:N	1:B:24:TYR:CA	1:B:24:TYR:C	11	2.3
(1,139)	1:A:70:ASN:N	1:A:70:ASN:CA	1:A:70:ASN:C	1:A:71:SER:N	1	2.3
(1,139)	1:A:70:ASN:N	1:A:70:ASN:CA	1:A:70:ASN:C	1:A:71:SER:N	8	2.3
(1,139)	1:A:70:ASN:N	1:A:70:ASN:CA	1:A:70:ASN:C	1:A:71:SER:N	13	2.3
(1,118)	1:A:45:THR:N	1:A:45:THR:CA	1:A:45:THR:C	1:A:46:GLU:N	2	2.3
(1,107)	1:A:34:LEU:N	1:A:34:LEU:CA	1:A:34:LEU:C	1:A:35:SER:N	4	2.3
(1,305)	1:B:70:ASN:N	1:B:70:ASN:CA	1:B:70:ASN:C	1:B:71:SER:N	1	2.2
(1,17)	1:A:23:LYS:C	1:A:24:TYR:N	1:A:24:TYR:CA	1:A:24:TYR:C	11	2.2
(1,139)	1:A:70:ASN:N	1:A:70:ASN:CA	1:A:70:ASN:C	1:A:71:SER:N	2	2.2
(1,98)	1:A:22:GLN:N	1:A:22:GLN:CA	1:A:22:GLN:C	1:A:23:LYS:N	1	2.1
(1,305)	1:B:70:ASN:N	1:B:70:ASN:CA	1:B:70:ASN:C	1:B:71:SER:N	12	2.1
(1,270)	1:B:28:ASP:N	1:B:28:ASP:CA	1:B:28:ASP:C	1:B:29:GLY:N	7	2.1
(1,270)	1:B:28:ASP:N	1:B:28:ASP:CA	1:B:28:ASP:C	1:B:29:GLY:N	12	2.1
(1,264)	1:B:22:GLN:N	1:B:22:GLN:CA	1:B:22:GLN:C	1:B:23:LYS:N	1	2.1
(1,201)	1:B:44:ASN:C	1:B:45:THR:N	1:B:45:THR:CA	1:B:45:THR:C	10	2.1
(1,190)	1:B:33:THR:C	1:B:34:LEU:N	1:B:34:LEU:CA	1:B:34:LEU:C	10	2.1
(1,183)	1:B:23:LYS:C	1:B:24:TYR:N	1:B:24:TYR:CA	1:B:24:TYR:C	14	2.1
(1,139)	1:A:70:ASN:N	1:A:70:ASN:CA	1:A:70:ASN:C	1:A:71:SER:N	12	2.1
(1,104)	1:A:28:ASP:N	1:A:28:ASP:CA	1:A:28:ASP:C	1:A:29:GLY:N	12	2.1
(1,305)	1:B:70:ASN:N	1:B:70:ASN:CA	1:B:70:ASN:C	1:B:71:SER:N	10	2.0
(1,305)	1:B:70:ASN:N	1:B:70:ASN:CA	1:B:70:ASN:C	1:B:71:SER:N	13	2.0

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,284)	1:B:45:THR:N	1:B:45:THR:CA	1:B:45:THR:C	1:B:46:GLU:N	2	2.0
(1,284)	1:B:45:THR:N	1:B:45:THR:CA	1:B:45:THR:C	1:B:46:GLU:N	20	2.0
(1,267)	1:B:25:ALA:N	1:B:25:ALA:CA	1:B:25:ALA:C	1:B:26:GLY:N	13	2.0
(1,24)	1:A:33:THR:C	1:A:34:LEU:N	1:A:34:LEU:CA	1:A:34:LEU:C	10	2.0
(1,183)	1:B:23:LYS:C	1:B:24:TYR:N	1:B:24:TYR:CA	1:B:24:TYR:C	4	2.0
(1,17)	1:A:23:LYS:C	1:A:24:TYR:N	1:A:24:TYR:CA	1:A:24:TYR:C	2	2.0
(1,17)	1:A:23:LYS:C	1:A:24:TYR:N	1:A:24:TYR:CA	1:A:24:TYR:C	4	2.0
(1,17)	1:A:23:LYS:C	1:A:24:TYR:N	1:A:24:TYR:CA	1:A:24:TYR:C	14	2.0
(1,118)	1:A:45:THR:N	1:A:45:THR:CA	1:A:45:THR:C	1:A:46:GLU:N	20	2.0
(1,101)	1:A:25:ALA:N	1:A:25:ALA:CA	1:A:25:ALA:C	1:A:26:GLY:N	13	2.0
(1,40)	1:A:49:ALA:C	1:A:50:PHE:N	1:A:50:PHE:CA	1:A:50:PHE:C	5	1.9
(1,307)	1:B:72:ASP:N	1:B:72:ASP:CA	1:B:72:ASP:C	1:B:73:GLY:N	6	1.9
(1,305)	1:B:70:ASN:N	1:B:70:ASN:CA	1:B:70:ASN:C	1:B:71:SER:N	17	1.9
(1,264)	1:B:22:GLN:N	1:B:22:GLN:CA	1:B:22:GLN:C	1:B:23:LYS:N	5	1.9
(1,183)	1:B:23:LYS:C	1:B:24:TYR:N	1:B:24:TYR:CA	1:B:24:TYR:C	13	1.9
(1,17)	1:A:23:LYS:C	1:A:24:TYR:N	1:A:24:TYR:CA	1:A:24:TYR:C	13	1.9
(1,141)	1:A:72:ASP:N	1:A:72:ASP:CA	1:A:72:ASP:C	1:A:73:GLY:N	6	1.9
(1,139)	1:A:70:ASN:N	1:A:70:ASN:CA	1:A:70:ASN:C	1:A:71:SER:N	10	1.9
(1,118)	1:A:45:THR:N	1:A:45:THR:CA	1:A:45:THR:C	1:A:46:GLU:N	8	1.9
(1,118)	1:A:45:THR:N	1:A:45:THR:CA	1:A:45:THR:C	1:A:46:GLU:N	12	1.9
(1,104)	1:A:28:ASP:N	1:A:28:ASP:CA	1:A:28:ASP:C	1:A:29:GLY:N	7	1.9
(1,300)	1:B:65:LYS:N	1:B:65:LYS:CA	1:B:65:LYS:C	1:B:66:LYS:N	16	1.8
(1,284)	1:B:45:THR:N	1:B:45:THR:CA	1:B:45:THR:C	1:B:46:GLU:N	12	1.8
(1,206)	1:B:49:ALA:C	1:B:50:PHE:N	1:B:50:PHE:CA	1:B:50:PHE:C	5	1.8
(1,139)	1:A:70:ASN:N	1:A:70:ASN:CA	1:A:70:ASN:C	1:A:71:SER:N	17	1.8
(1,126)	1:A:53:ASN:N	1:A:53:ASN:CA	1:A:53:ASN:C	1:A:54:GLN:N	10	1.8
(1,40)	1:A:49:ALA:C	1:A:50:PHE:N	1:A:50:PHE:CA	1:A:50:PHE:C	19	1.7
(1,31)	1:A:40:LEU:C	1:A:41:SER:N	1:A:41:SER:CA	1:A:41:SER:C	20	1.7
(1,284)	1:B:45:THR:N	1:B:45:THR:CA	1:B:45:THR:C	1:B:46:GLU:N	3	1.7
(1,284)	1:B:45:THR:N	1:B:45:THR:CA	1:B:45:THR:C	1:B:46:GLU:N	8	1.7
(1,275)	1:B:36:LYS:N	1:B:36:LYS:CA	1:B:36:LYS:C	1:B:37:THR:N	14	1.7
(1,271)	1:B:29:GLY:N	1:B:29:GLY:CA	1:B:29:GLY:C	1:B:30:TYR:N	8	1.7
(1,264)	1:B:22:GLN:N	1:B:22:GLN:CA	1:B:22:GLN:C	1:B:23:LYS:N	16	1.7
(1,206)	1:B:49:ALA:C	1:B:50:PHE:N	1:B:50:PHE:CA	1:B:50:PHE:C	19	1.7
(1,197)	1:B:40:LEU:C	1:B:41:SER:N	1:B:41:SER:CA	1:B:41:SER:C	20	1.7
(1,98)	1:A:22:GLN:N	1:A:22:GLN:CA	1:A:22:GLN:C	1:A:23:LYS:N	5	1.6
(1,35)	1:A:44:ASN:C	1:A:45:THR:N	1:A:45:THR:CA	1:A:45:THR:C	20	1.6
(1,307)	1:B:72:ASP:N	1:B:72:ASP:CA	1:B:72:ASP:C	1:B:73:GLY:N	3	1.6
(1,300)	1:B:65:LYS:N	1:B:65:LYS:CA	1:B:65:LYS:C	1:B:66:LYS:N	11	1.6
(1,292)	1:B:53:ASN:N	1:B:53:ASN:CA	1:B:53:ASN:C	1:B:54:GLN:N	10	1.6
(1,281)	1:B:42:PHE:N	1:B:42:PHE:CA	1:B:42:PHE:C	1:B:43:MET:N	12	1.6
(1,281)	1:B:42:PHE:N	1:B:42:PHE:CA	1:B:42:PHE:C	1:B:43:MET:N	19	1.6
(1,183)	1:B:23:LYS:C	1:B:24:TYR:N	1:B:24:TYR:CA	1:B:24:TYR:C	8	1.6
(1,183)	1:B:23:LYS:C	1:B:24:TYR:N	1:B:24:TYR:CA	1:B:24:TYR:C	15	1.6
(1,17)	1:A:23:LYS:C	1:A:24:TYR:N	1:A:24:TYR:CA	1:A:24:TYR:C	15	1.6
(1,141)	1:A:72:ASP:N	1:A:72:ASP:CA	1:A:72:ASP:C	1:A:73:GLY:N	1	1.6
(1,134)	1:A:65:LYS:N	1:A:65:LYS:CA	1:A:65:LYS:C	1:A:66:LYS:N	14	1.6
(1,134)	1:A:65:LYS:N	1:A:65:LYS:CA	1:A:65:LYS:C	1:A:66:LYS:N	16	1.6
(1,118)	1:A:45:THR:N	1:A:45:THR:CA	1:A:45:THR:C	1:A:46:GLU:N	3	1.6
(1,115)	1:A:42:PHE:N	1:A:42:PHE:CA	1:A:42:PHE:C	1:A:43:MET:N	19	1.6
(1,109)	1:A:36:LYS:N	1:A:36:LYS:CA	1:A:36:LYS:C	1:A:37:THR:N	14	1.6

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,107)	1:A:34:LEU:N	1:A:34:LEU:CA	1:A:34:LEU:C	1:A:35:SER:N	1	1.6
(1,98)	1:A:22:GLN:N	1:A:22:GLN:CA	1:A:22:GLN:C	1:A:23:LYS:N	16	1.5
(1,35)	1:A:44:ASN:C	1:A:45:THR:N	1:A:45:THR:CA	1:A:45:THR:C	8	1.5
(1,284)	1:B:45:THR:N	1:B:45:THR:CA	1:B:45:THR:C	1:B:46:GLU:N	5	1.5
(1,273)	1:B:34:LEU:N	1:B:34:LEU:CA	1:B:34:LEU:C	1:B:35:SER:N	1	1.5
(1,270)	1:B:28:ASP:N	1:B:28:ASP:CA	1:B:28:ASP:C	1:B:29:GLY:N	5	1.5
(1,201)	1:B:44:ASN:C	1:B:45:THR:N	1:B:45:THR:CA	1:B:45:THR:C	3	1.5
(1,201)	1:B:44:ASN:C	1:B:45:THR:N	1:B:45:THR:CA	1:B:45:THR:C	8	1.5
(1,201)	1:B:44:ASN:C	1:B:45:THR:N	1:B:45:THR:CA	1:B:45:THR:C	20	1.5
(1,190)	1:B:33:THR:C	1:B:34:LEU:N	1:B:34:LEU:CA	1:B:34:LEU:C	5	1.5
(1,17)	1:A:23:LYS:C	1:A:24:TYR:N	1:A:24:TYR:CA	1:A:24:TYR:C	8	1.5
(1,141)	1:A:72:ASP:N	1:A:72:ASP:CA	1:A:72:ASP:C	1:A:73:GLY:N	3	1.5
(1,139)	1:A:70:ASN:N	1:A:70:ASN:CA	1:A:70:ASN:C	1:A:71:SER:N	16	1.5
(1,105)	1:A:29:GLY:N	1:A:29:GLY:CA	1:A:29:GLY:C	1:A:30:TYR:N	8	1.5
(1,51)	1:A:64:MET:C	1:A:65:LYS:N	1:A:65:LYS:CA	1:A:65:LYS:C	14	1.4
(1,35)	1:A:44:ASN:C	1:A:45:THR:N	1:A:45:THR:CA	1:A:45:THR:C	1	1.4
(1,32)	1:A:41:SER:C	1:A:42:PHE:N	1:A:42:PHE:CA	1:A:42:PHE:C	4	1.4
(1,32)	1:A:41:SER:C	1:A:42:PHE:N	1:A:42:PHE:CA	1:A:42:PHE:C	15	1.4
(1,312)	1:B:77:PHE:N	1:B:77:PHE:CA	1:B:77:PHE:C	1:B:78:SER:N	9	1.4
(1,307)	1:B:72:ASP:N	1:B:72:ASP:CA	1:B:72:ASP:C	1:B:73:GLY:N	1	1.4
(1,305)	1:B:70:ASN:N	1:B:70:ASN:CA	1:B:70:ASN:C	1:B:71:SER:N	7	1.4
(1,284)	1:B:45:THR:N	1:B:45:THR:CA	1:B:45:THR:C	1:B:46:GLU:N	16	1.4
(1,275)	1:B:36:LYS:N	1:B:36:LYS:CA	1:B:36:LYS:C	1:B:37:THR:N	11	1.4
(1,273)	1:B:34:LEU:N	1:B:34:LEU:CA	1:B:34:LEU:C	1:B:35:SER:N	9	1.4
(1,271)	1:B:29:GLY:N	1:B:29:GLY:CA	1:B:29:GLY:C	1:B:30:TYR:N	13	1.4
(1,24)	1:A:33:THR:C	1:A:34:LEU:N	1:A:34:LEU:CA	1:A:34:LEU:C	5	1.4
(1,24)	1:A:33:THR:C	1:A:34:LEU:N	1:A:34:LEU:CA	1:A:34:LEU:C	7	1.4
(1,229)	1:B:76:ASP:C	1:B:77:PHE:N	1:B:77:PHE:CA	1:B:77:PHE:C	18	1.4
(1,201)	1:B:44:ASN:C	1:B:45:THR:N	1:B:45:THR:CA	1:B:45:THR:C	2	1.4
(1,17)	1:A:23:LYS:C	1:A:24:TYR:N	1:A:24:TYR:CA	1:A:24:TYR:C	6	1.4
(1,139)	1:A:70:ASN:N	1:A:70:ASN:CA	1:A:70:ASN:C	1:A:71:SER:N	7	1.4
(1,125)	1:A:52:LYS:N	1:A:52:LYS:CA	1:A:52:LYS:C	1:A:53:ASN:N	20	1.4
(1,118)	1:A:45:THR:N	1:A:45:THR:CA	1:A:45:THR:C	1:A:46:GLU:N	5	1.4
(1,118)	1:A:45:THR:N	1:A:45:THR:CA	1:A:45:THR:C	1:A:46:GLU:N	9	1.4
(1,115)	1:A:42:PHE:N	1:A:42:PHE:CA	1:A:42:PHE:C	1:A:43:MET:N	12	1.4
(1,105)	1:A:29:GLY:N	1:A:29:GLY:CA	1:A:29:GLY:C	1:A:30:TYR:N	4	1.4
(1,50)	1:A:63:MET:C	1:A:64:MET:N	1:A:64:MET:CA	1:A:64:MET:C	14	1.3
(1,35)	1:A:44:ASN:C	1:A:45:THR:N	1:A:45:THR:CA	1:A:45:THR:C	2	1.3
(1,35)	1:A:44:ASN:C	1:A:45:THR:N	1:A:45:THR:CA	1:A:45:THR:C	9	1.3
(1,305)	1:B:70:ASN:N	1:B:70:ASN:CA	1:B:70:ASN:C	1:B:71:SER:N	16	1.3
(1,292)	1:B:53:ASN:N	1:B:53:ASN:CA	1:B:53:ASN:C	1:B:54:GLN:N	13	1.3
(1,284)	1:B:45:THR:N	1:B:45:THR:CA	1:B:45:THR:C	1:B:46:GLU:N	1	1.3
(1,284)	1:B:45:THR:N	1:B:45:THR:CA	1:B:45:THR:C	1:B:46:GLU:N	19	1.3
(1,270)	1:B:28:ASP:N	1:B:28:ASP:CA	1:B:28:ASP:C	1:B:29:GLY:N	20	1.3
(1,24)	1:A:33:THR:C	1:A:34:LEU:N	1:A:34:LEU:CA	1:A:34:LEU:C	15	1.3
(1,23)	1:A:32:TYR:C	1:A:33:THR:N	1:A:33:THR:CA	1:A:33:THR:C	14	1.3
(1,217)	1:B:64:MET:C	1:B:65:LYS:N	1:B:65:LYS:CA	1:B:65:LYS:C	14	1.3
(1,216)	1:B:63:MET:C	1:B:64:MET:N	1:B:64:MET:CA	1:B:64:MET:C	14	1.3
(1,206)	1:B:49:ALA:C	1:B:50:PHE:N	1:B:50:PHE:CA	1:B:50:PHE:C	12	1.3
(1,201)	1:B:44:ASN:C	1:B:45:THR:N	1:B:45:THR:CA	1:B:45:THR:C	9	1.3
(1,198)	1:B:41:SER:C	1:B:42:PHE:N	1:B:42:PHE:CA	1:B:42:PHE:C	4	1.3

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,190)	1:B:33:THR:C	1:B:34:LEU:N	1:B:34:LEU:CA	1:B:34:LEU:C	15	1.3
(1,189)	1:B:32:TYR:C	1:B:33:THR:N	1:B:33:THR:CA	1:B:33:THR:C	14	1.3
(1,183)	1:B:23:LYS:C	1:B:24:TYR:N	1:B:24:TYR:CA	1:B:24:TYR:C	6	1.3
(1,183)	1:B:23:LYS:C	1:B:24:TYR:N	1:B:24:TYR:CA	1:B:24:TYR:C	16	1.3
(1,17)	1:A:23:LYS:C	1:A:24:TYR:N	1:A:24:TYR:CA	1:A:24:TYR:C	16	1.3
(1,109)	1:A:36:LYS:N	1:A:36:LYS:CA	1:A:36:LYS:C	1:A:37:THR:N	11	1.3
(1,107)	1:A:34:LEU:N	1:A:34:LEU:CA	1:A:34:LEU:C	1:A:35:SER:N	9	1.3
(1,95)	1:A:19:ALA:N	1:A:19:ALA:CA	1:A:19:ALA:C	1:A:20:VAL:N	12	1.2
(1,63)	1:A:76:ASP:C	1:A:77:PHE:N	1:A:77:PHE:CA	1:A:77:PHE:C	9	1.2
(1,63)	1:A:76:ASP:C	1:A:77:PHE:N	1:A:77:PHE:CA	1:A:77:PHE:C	18	1.2
(1,35)	1:A:44:ASN:C	1:A:45:THR:N	1:A:45:THR:CA	1:A:45:THR:C	3	1.2
(1,35)	1:A:44:ASN:C	1:A:45:THR:N	1:A:45:THR:CA	1:A:45:THR:C	4	1.2
(1,320)	1:B:85:GLY:N	1:B:85:GLY:CA	1:B:85:GLY:C	1:B:86:GLY:N	15	1.2
(1,300)	1:B:65:LYS:N	1:B:65:LYS:CA	1:B:65:LYS:C	1:B:66:LYS:N	14	1.2
(1,292)	1:B:53:ASN:N	1:B:53:ASN:CA	1:B:53:ASN:C	1:B:54:GLN:N	12	1.2
(1,284)	1:B:45:THR:N	1:B:45:THR:CA	1:B:45:THR:C	1:B:46:GLU:N	9	1.2
(1,275)	1:B:36:LYS:N	1:B:36:LYS:CA	1:B:36:LYS:C	1:B:37:THR:N	16	1.2
(1,271)	1:B:29:GLY:N	1:B:29:GLY:CA	1:B:29:GLY:C	1:B:30:TYR:N	4	1.2
(1,261)	1:B:19:ALA:N	1:B:19:ALA:CA	1:B:19:ALA:C	1:B:20:VAL:N	12	1.2
(1,251)	1:B:9:GLU:N	1:B:9:GLU:CA	1:B:9:GLU:C	1:B:10:THR:N	6	1.2
(1,24)	1:A:33:THR:C	1:A:34:LEU:N	1:A:34:LEU:CA	1:A:34:LEU:C	9	1.2
(1,24)	1:A:33:THR:C	1:A:34:LEU:N	1:A:34:LEU:CA	1:A:34:LEU:C	19	1.2
(1,229)	1:B:76:ASP:C	1:B:77:PHE:N	1:B:77:PHE:CA	1:B:77:PHE:C	9	1.2
(1,224)	1:B:71:SER:C	1:B:72:ASP:N	1:B:72:ASP:CA	1:B:72:ASP:C	20	1.2
(1,201)	1:B:44:ASN:C	1:B:45:THR:N	1:B:45:THR:CA	1:B:45:THR:C	1	1.2
(1,201)	1:B:44:ASN:C	1:B:45:THR:N	1:B:45:THR:CA	1:B:45:THR:C	4	1.2
(1,198)	1:B:41:SER:C	1:B:42:PHE:N	1:B:42:PHE:CA	1:B:42:PHE:C	15	1.2
(1,190)	1:B:33:THR:C	1:B:34:LEU:N	1:B:34:LEU:CA	1:B:34:LEU:C	7	1.2
(1,190)	1:B:33:THR:C	1:B:34:LEU:N	1:B:34:LEU:CA	1:B:34:LEU:C	9	1.2
(1,190)	1:B:33:THR:C	1:B:34:LEU:N	1:B:34:LEU:CA	1:B:34:LEU:C	19	1.2
(1,154)	1:A:85:GLY:N	1:A:85:GLY:CA	1:A:85:GLY:C	1:A:86:GLY:N	15	1.2
(1,146)	1:A:77:PHE:N	1:A:77:PHE:CA	1:A:77:PHE:C	1:A:78:SER:N	9	1.2
(1,141)	1:A:72:ASP:N	1:A:72:ASP:CA	1:A:72:ASP:C	1:A:73:GLY:N	2	1.2
(1,118)	1:A:45:THR:N	1:A:45:THR:CA	1:A:45:THR:C	1:A:46:GLU:N	16	1.2
(1,109)	1:A:36:LYS:N	1:A:36:LYS:CA	1:A:36:LYS:C	1:A:37:THR:N	16	1.2
(1,104)	1:A:28:ASP:N	1:A:28:ASP:CA	1:A:28:ASP:C	1:A:29:GLY:N	5	1.2
(1,104)	1:A:28:ASP:N	1:A:28:ASP:CA	1:A:28:ASP:C	1:A:29:GLY:N	20	1.2
(1,58)	1:A:71:SER:C	1:A:72:ASP:N	1:A:72:ASP:CA	1:A:72:ASP:C	20	1.1
(1,40)	1:A:49:ALA:C	1:A:50:PHE:N	1:A:50:PHE:CA	1:A:50:PHE:C	2	1.1
(1,40)	1:A:49:ALA:C	1:A:50:PHE:N	1:A:50:PHE:CA	1:A:50:PHE:C	12	1.1
(1,322)	1:B:87:LEU:N	1:B:87:LEU:CA	1:B:87:LEU:C	1:B:88:ALA:N	10	1.1
(1,291)	1:B:52:LYS:N	1:B:52:LYS:CA	1:B:52:LYS:C	1:B:53:ASN:N	19	1.1
(1,267)	1:B:25:ALA:N	1:B:25:ALA:CA	1:B:25:ALA:C	1:B:26:GLY:N	2	1.1
(1,24)	1:A:33:THR:C	1:A:34:LEU:N	1:A:34:LEU:CA	1:A:34:LEU:C	6	1.1
(1,206)	1:B:49:ALA:C	1:B:50:PHE:N	1:B:50:PHE:CA	1:B:50:PHE:C	2	1.1
(1,206)	1:B:49:ALA:C	1:B:50:PHE:N	1:B:50:PHE:CA	1:B:50:PHE:C	6	1.1
(1,206)	1:B:49:ALA:C	1:B:50:PHE:N	1:B:50:PHE:CA	1:B:50:PHE:C	16	1.1
(1,190)	1:B:33:THR:C	1:B:34:LEU:N	1:B:34:LEU:CA	1:B:34:LEU:C	6	1.1
(1,183)	1:B:23:LYS:C	1:B:24:TYR:N	1:B:24:TYR:CA	1:B:24:TYR:C	20	1.1
(1,134)	1:A:65:LYS:N	1:A:65:LYS:CA	1:A:65:LYS:C	1:A:66:LYS:N	4	1.1
(1,126)	1:A:53:ASN:N	1:A:53:ASN:CA	1:A:53:ASN:C	1:A:54:GLN:N	12	1.1

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<b>Key</b>	<b>Atom-1</b>	<b>Atom-2</b>	<b>Atom-3</b>	<b>Atom-4</b>	<b>Model ID</b>	<b>Violation (°)</b>
(1,126)	1:A:53:ASN:N	1:A:53:ASN:CA	1:A:53:ASN:C	1:A:54:GLN:N	13	1.1
(1,118)	1:A:45:THR:N	1:A:45:THR:CA	1:A:45:THR:C	1:A:46:GLU:N	1	1.1
(1,118)	1:A:45:THR:N	1:A:45:THR:CA	1:A:45:THR:C	1:A:46:GLU:N	14	1.1
(1,118)	1:A:45:THR:N	1:A:45:THR:CA	1:A:45:THR:C	1:A:46:GLU:N	19	1.1
(1,105)	1:A:29:GLY:N	1:A:29:GLY:CA	1:A:29:GLY:C	1:A:30:TYR:N	11	1.1
(1,105)	1:A:29:GLY:N	1:A:29:GLY:CA	1:A:29:GLY:C	1:A:30:TYR:N	13	1.1
(1,104)	1:A:28:ASP:N	1:A:28:ASP:CA	1:A:28:ASP:C	1:A:29:GLY:N	2	1.1