Full wwPDB NMR Structure Validation Report

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PDB ID	:	2LUC / pdb_00002luc
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*
A user guide is available at
https://www.wwpdb.org/validation/2017/NMRValidationReportHelp
with specific help available everywhere you see the (i) symbol.

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

The following versions of software and data (see references (1)) were used in the production of this report:

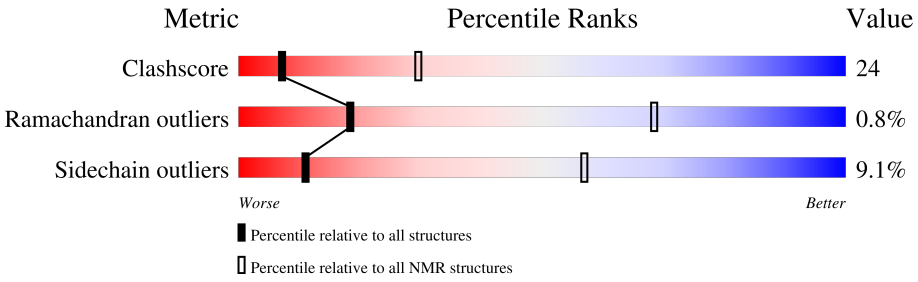
MolProbity	:	4-5-2 with Phenix2.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints Analysis	:	v1.2
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.49

1 Overall quality at a glance (i)

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

The overall completeness of chemical shifts assignment is 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	229148	14424
Ramachandran outliers	224038	12848
Sidechain outliers	223484	12823

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

Mol	Chain	Length	Quality of chain
1	A	105	36% 37% · 26%
1	B	105	34% 39% · 26%

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 (i)

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
1	A	105	Total	C	H	N	O	S	0
			1643	518	822	135	161	7	
1	B	105	Total	C	H	N	O	S	0
			1643	518	822	135	161	7	

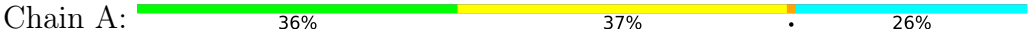
4 Residue-property plots

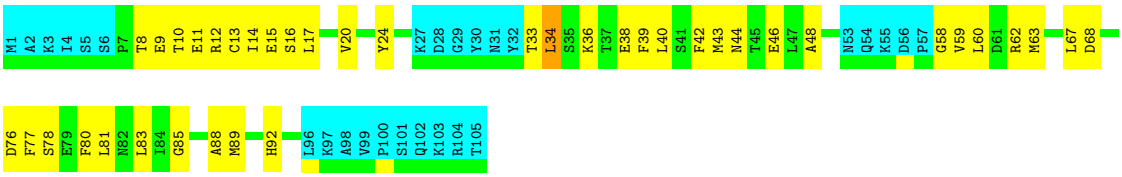
4.1 Average score per residue in the NMR ensemble

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

• Molecule 1: Protein S100-A11

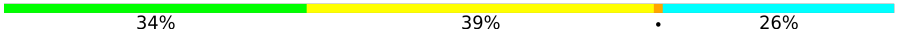
Chain A:

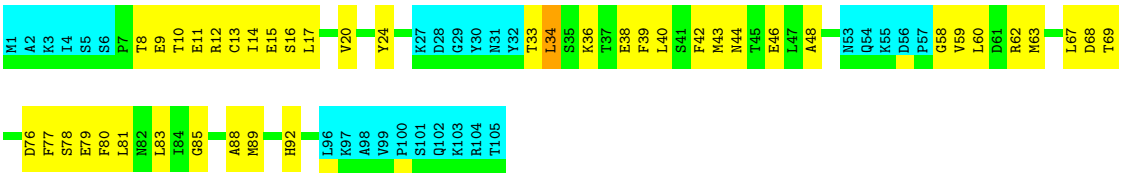




• Molecule 1: Protein S100-A11

Chain B:





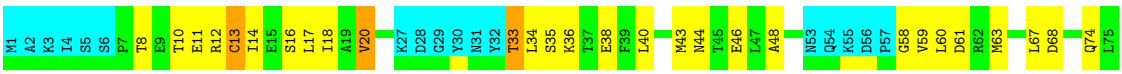
4.2 Scores per residue for each member of the ensemble

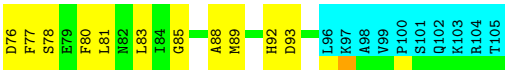
Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

• Molecule 1: Protein S100-A11

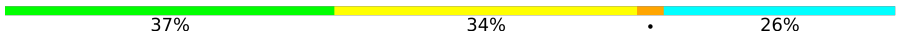
Chain A:

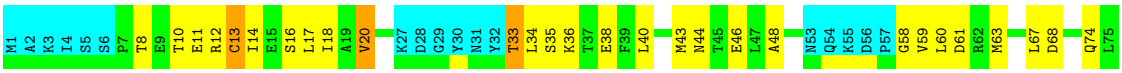


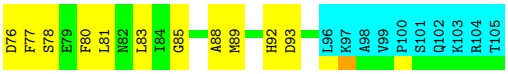


• Molecule 1: Protein S100-A11

Chain B:



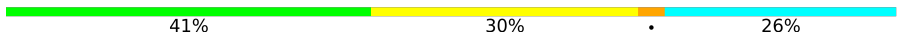


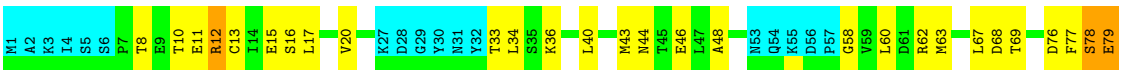


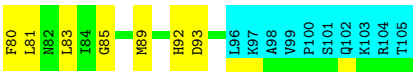
4.2.2 Score per residue for model 2

• Molecule 1: Protein S100-A11

Chain A:

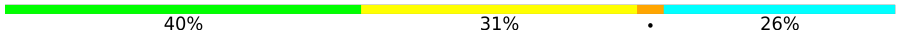


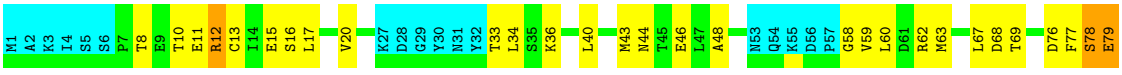


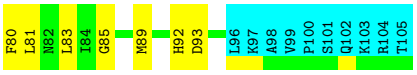


• Molecule 1: Protein S100-A11

Chain B:



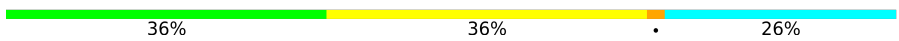


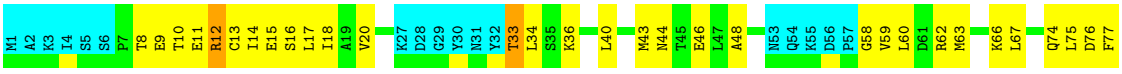


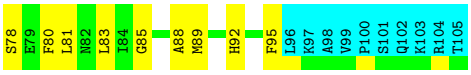
4.2.3 Score per residue for model 3

• Molecule 1: Protein S100-A11

Chain A:

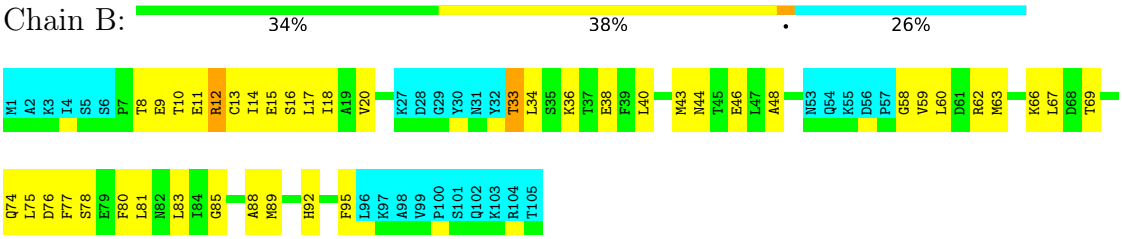






• Molecule 1: Protein S100-A11

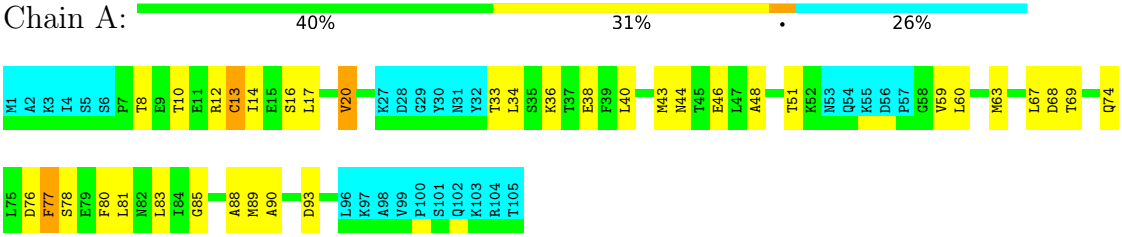
Chain B:



4.2.4 Score per residue for model 4

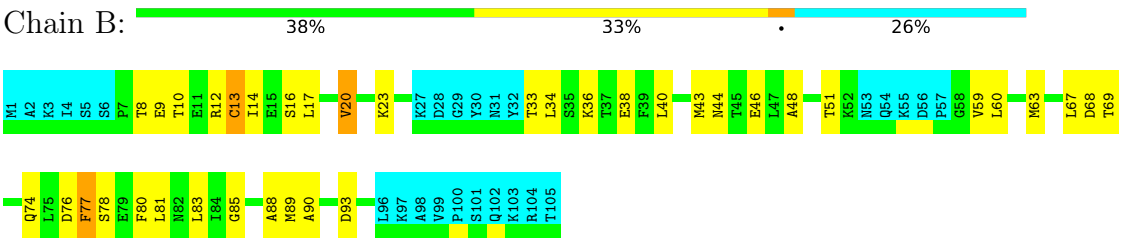
- Molecule 1: Protein S100-A11

Chain A:



- Molecule 1: Protein S100-A11

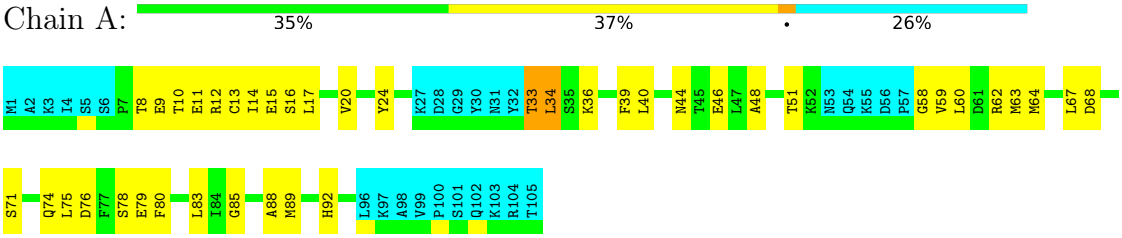
Chain B:



4.2.5 Score per residue for model 5

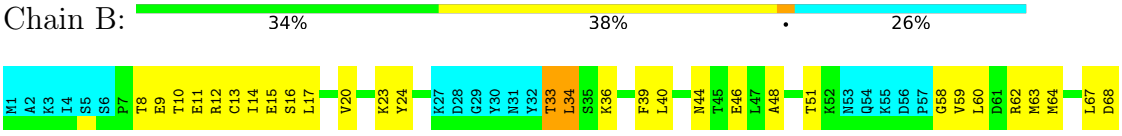
- Molecule 1: Protein S100-A11

Chain A:



- Molecule 1: Protein S100-A11

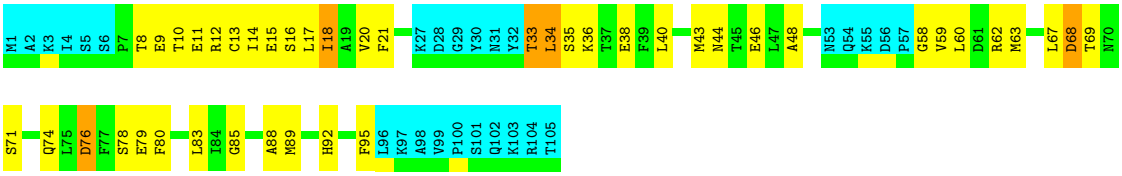
Chain B:



4.2.6 Score per residue for model 6

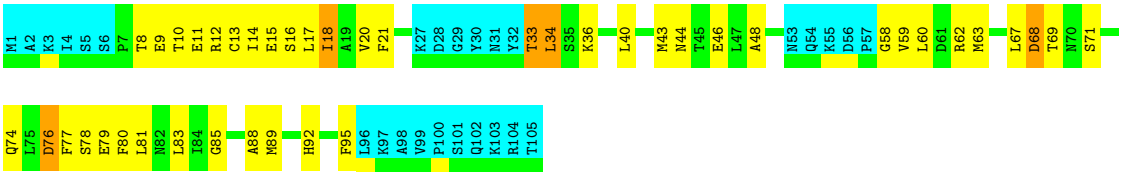
• Molecule 1: Protein S100-A11

Chain A:



• Molecule 1: Protein S100-A11

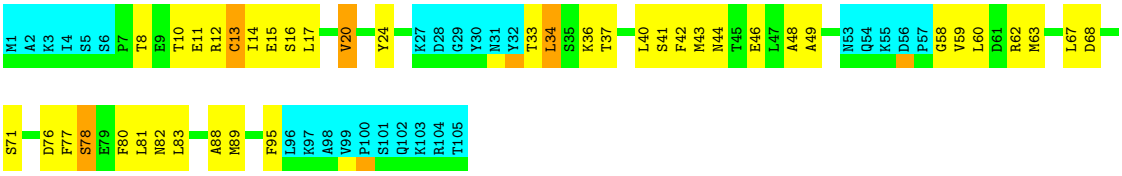
Chain B:



4.2.7 Score per residue for model 7

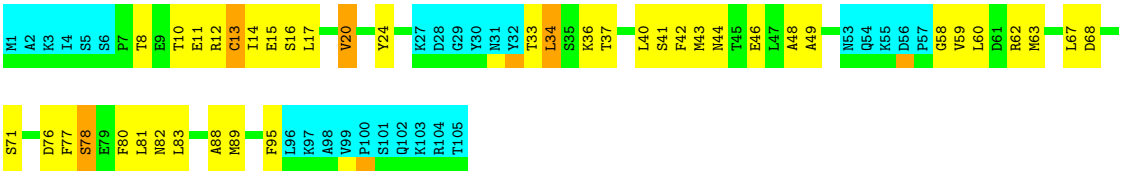
• Molecule 1: Protein S100-A11

Chain A:



• Molecule 1: Protein S100-A11

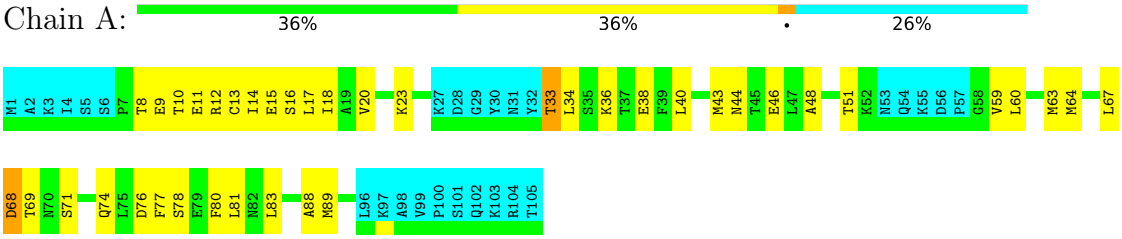
Chain B:



4.2.8 Score per residue for model 8 (medoid)

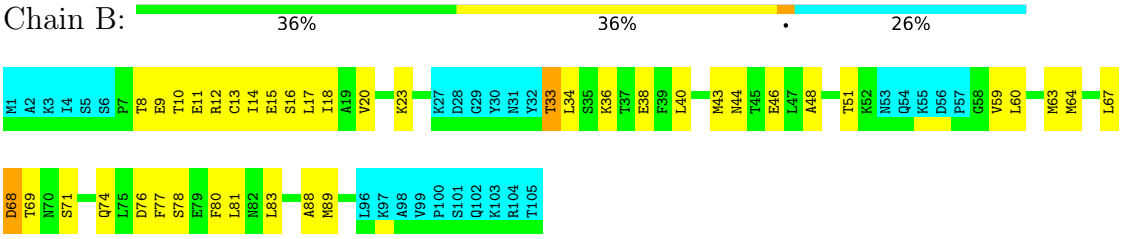
• Molecule 1: Protein S100-A11

Chain A:



• Molecule 1: Protein S100-A11

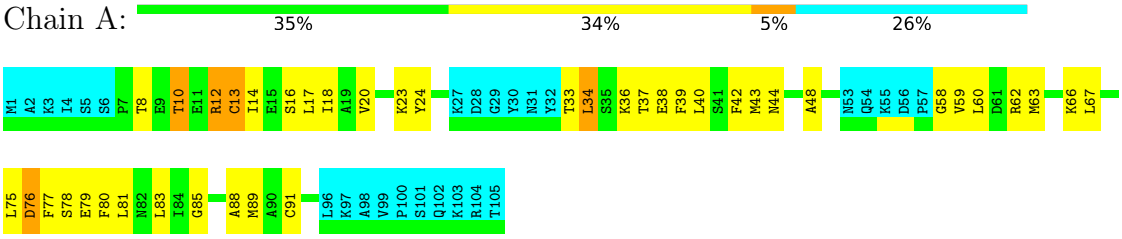
Chain B:



4.2.9 Score per residue for model 9

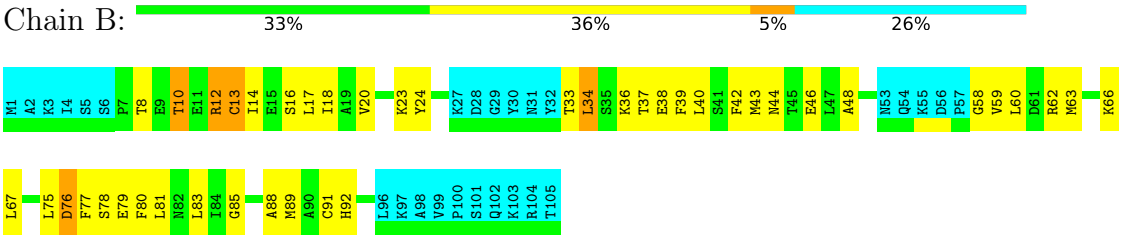
• Molecule 1: Protein S100-A11

Chain A:



• Molecule 1: Protein S100-A11

Chain B:



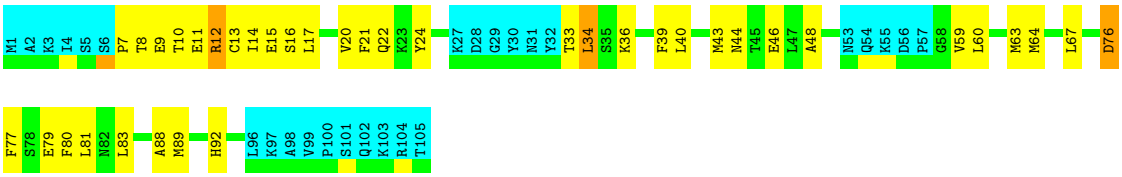
4.2.10 Score per residue for model 10

• Molecule 1: Protein S100-A11

Chain A:

• Molecule 1: Protein S100-A11

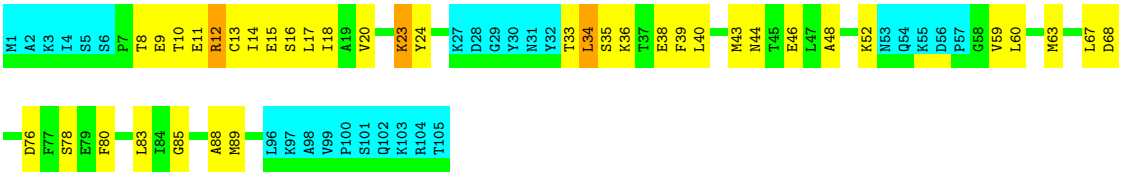
Chain B: 38% 33% • 26%



4.2.11 Score per residue for model 11

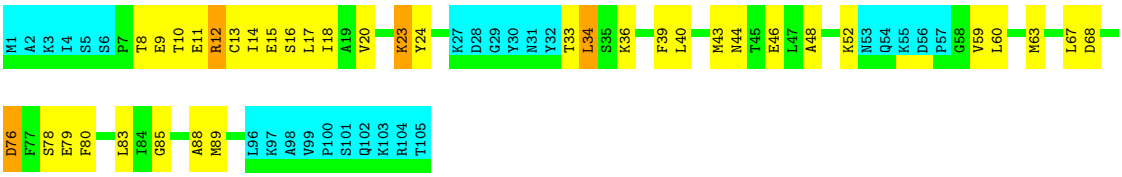
• Molecule 1: Protein S100-A11

Chain A: 38% 33% • 26%



• Molecule 1: Protein S100-A11

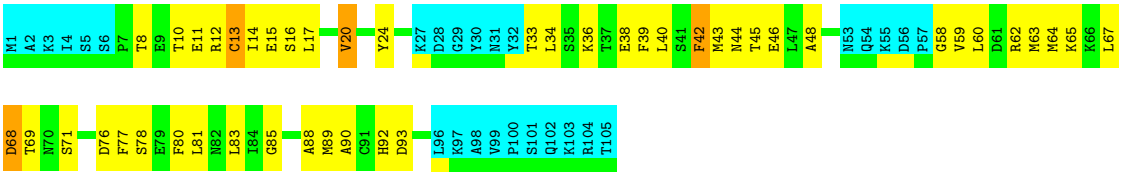
Chain B: 39% 31% • 26%



4.2.12 Score per residue for model 12

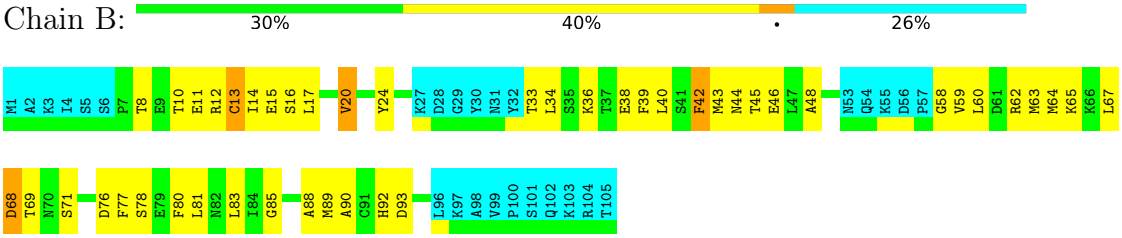
• Molecule 1: Protein S100-A11

Chain A: 30% 40% • 26%



• Molecule 1: Protein S100-A11

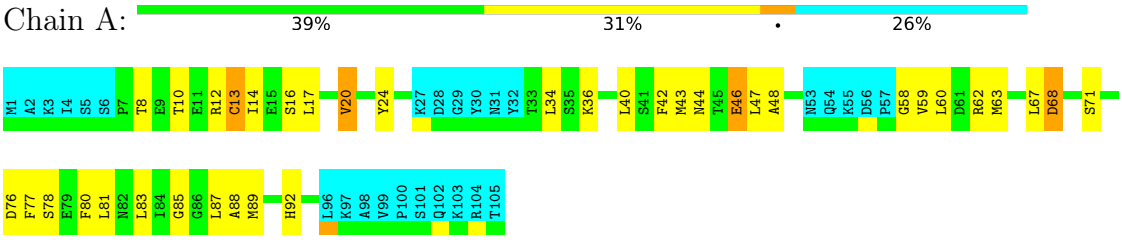
Chain B:



4.2.13 Score per residue for model 13

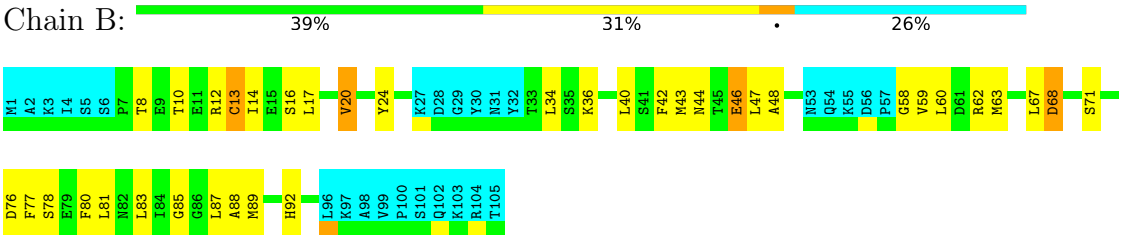
• Molecule 1: Protein S100-A11

Chain A:



• Molecule 1: Protein S100-A11

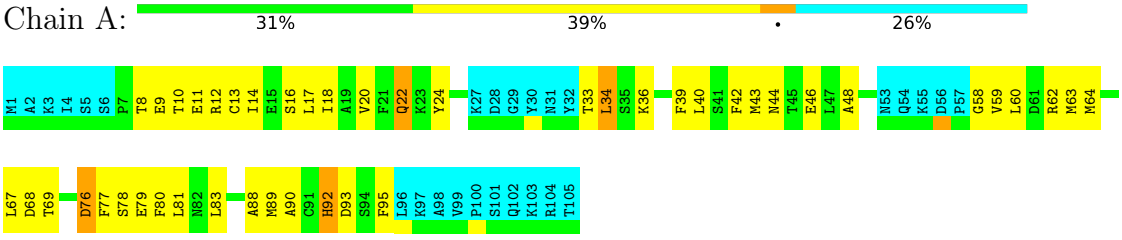
Chain B:



4.2.14 Score per residue for model 14

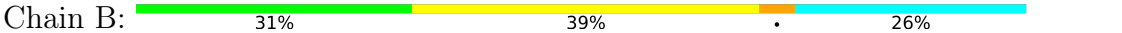
• Molecule 1: Protein S100-A11

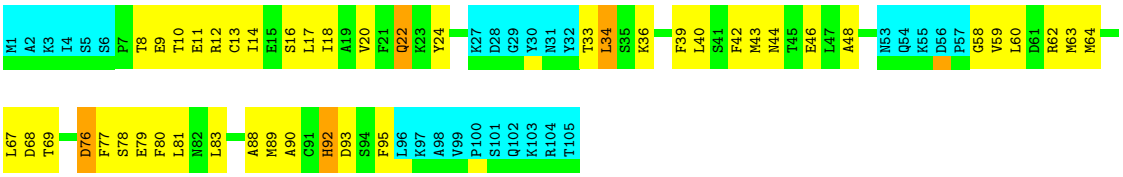
Chain A:



• Molecule 1: Protein S100-A11

Chain B:

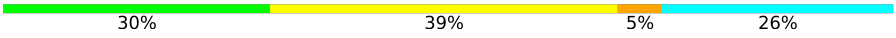


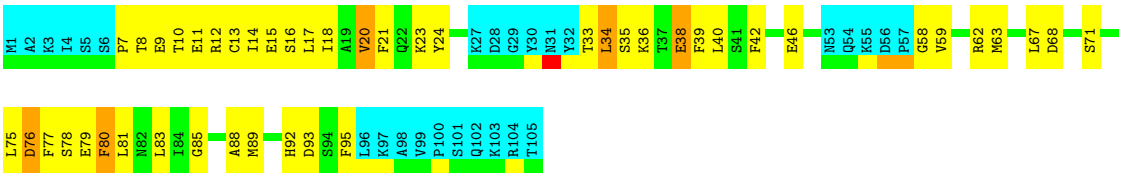


4.2.15 Score per residue for model 15

• Molecule 1: Protein S100-A11

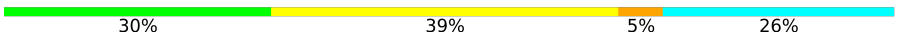
Chain A:

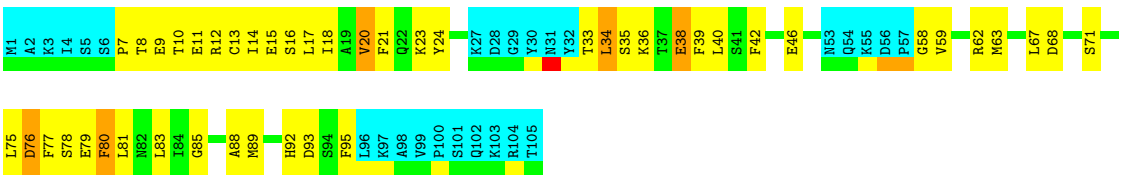




• Molecule 1: Protein S100-A11

Chain B:

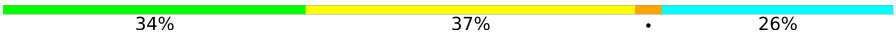


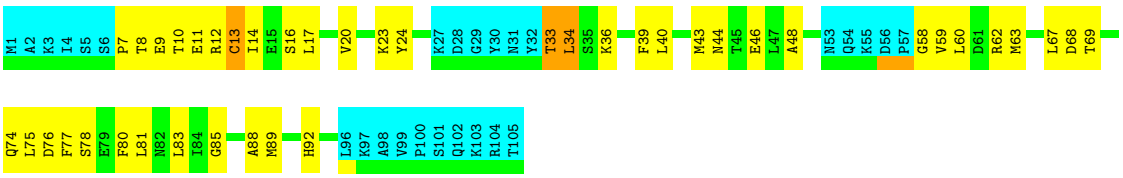


4.2.16 Score per residue for model 16

• Molecule 1: Protein S100-A11

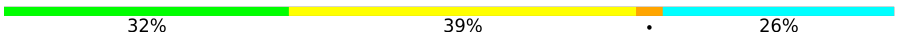
Chain A:

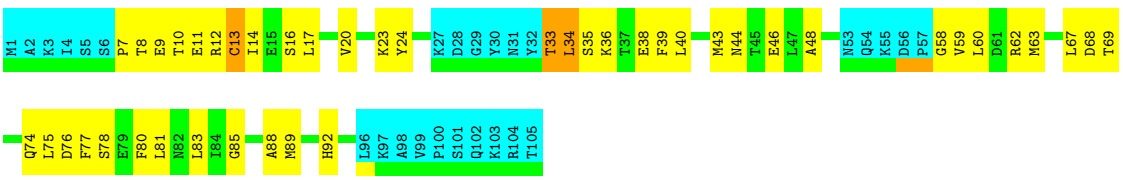




• Molecule 1: Protein S100-A11

Chain B:

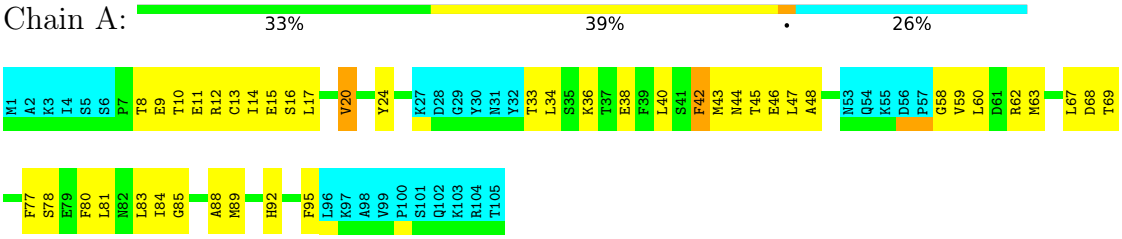




4.2.17 Score per residue for model 17

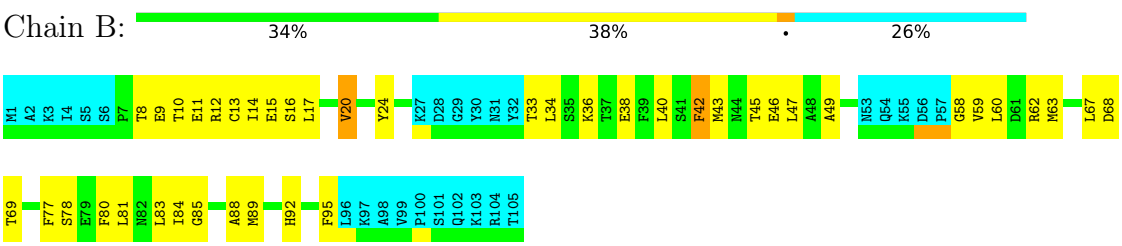
• Molecule 1: Protein S100-A11

Chain A:



• Molecule 1: Protein S100-A11

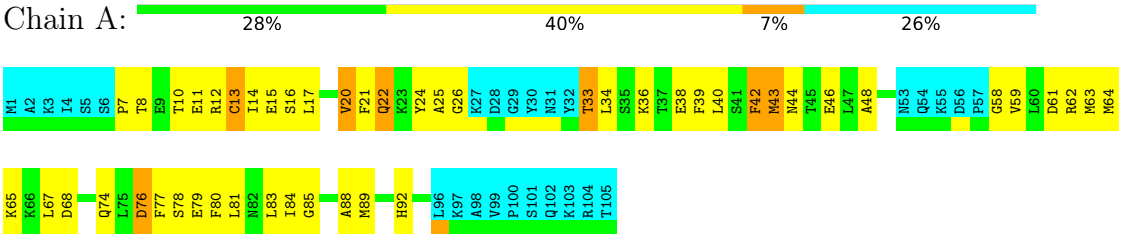
Chain B:



4.2.18 Score per residue for model 18

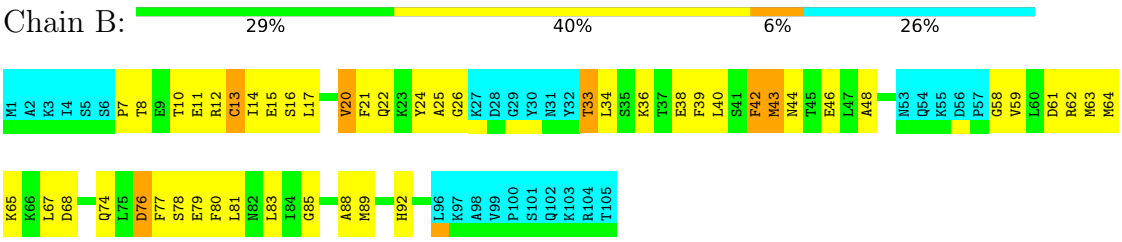
• Molecule 1: Protein S100-A11

Chain A:



• Molecule 1: Protein S100-A11

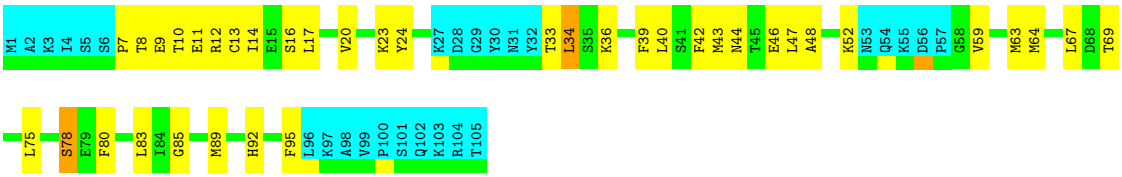
Chain B:



4.2.19 Score per residue for model 19

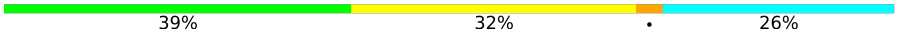
• Molecule 1: Protein S100-A11

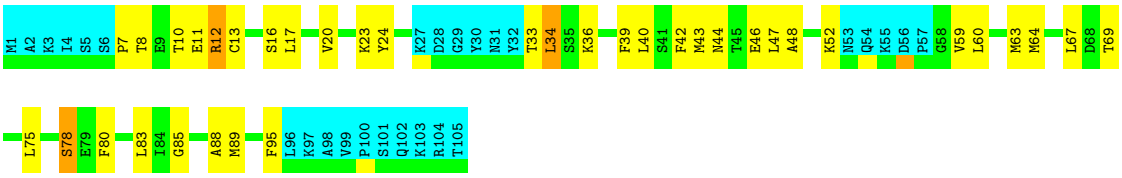
Chain A:



• Molecule 1: Protein S100-A11

Chain B:

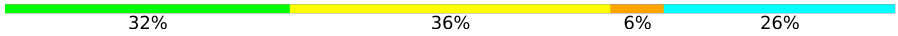


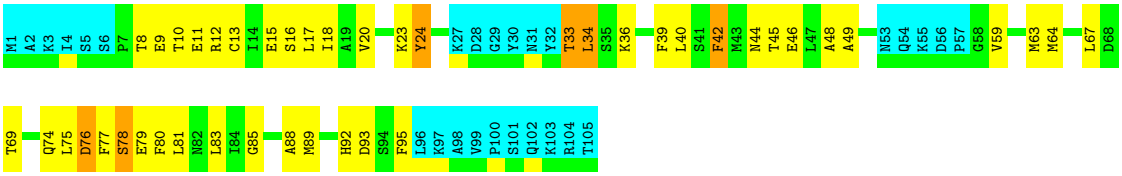


4.2.20 Score per residue for model 20

• Molecule 1: Protein S100-A11

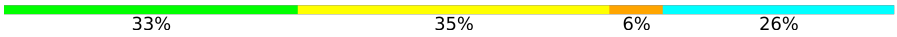
Chain A:

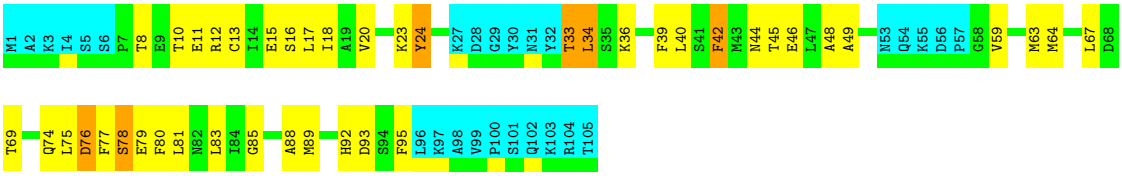




• Molecule 1: Protein S100-A11

Chain B:





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

6.1 Standard geometry

The Z score for a bond length (or angle) is the number of standard deviations the observed value is removed from the expected value. A bond length (or angle) with $|Z| > 5$ is considered an outlier worth inspection. RMSZ is the (average) root-mean-square of all Z scores of the bond lengths (or angles).

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#Z>5	RMSZ	#Z>5
1	A	0.58±0.01	0±0/616 (0.0± 0.0%)	0.85±0.02	0±0/827 (0.0± 0.0%)
1	B	0.58±0.01	0±0/616 (0.0± 0.0%)	0.85±0.02	0±0/827 (0.0± 0.0%)
All	All	0.58	0/24640 (0.0%)	0.85	8/33080 (0.0%)

There are no bond-length outliers.

All unique angle outliers are listed below. They are sorted according to the Z-score of the worst occurrence in the ensemble.

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})	Models	
								Worst	Total
1	A	42	PHE	CA-CB-CG	-5.72	108.08	113.80	20	4
1	B	42	PHE	CA-CB-CG	-5.69	108.11	113.80	20	4

There are no chirality outliers.

There are no planarity outliers.

6.2 Too-close contacts

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	606	599	598	35±5
1	B	606	599	598	35±5
All	All	24240	23960	23920	1142

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 24.

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
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

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
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
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

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
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
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:81:LEU:HD11	1:B:89:MET:HE3	0.53	1.80	10	1
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:89:MET:HE3	1:B:81:LEU:HD11	0.52	1.80	10	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:A:36:LYS:HA	1:A:64:MET:HE3	0.50	1.83	8	2
1:B:36:LYS:HA	1:B:64:MET:HE3	0.50	1.84	8	2
1:B:41:SER:HA	1:B:44:ASN:ND2	0.50	2.22	7	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
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:12:ARG:HD3	1:A:12:ARG:C	0.49	2.33	3	4
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
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:B:12:ARG:HD3	1:B:12:ARG:C	0.47	2.33	3	3
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

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
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:69:THR:HG22	1:A:79:GLU:CD	0.45	2.36	2	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:12:ARG:HD2	1:B:12:ARG:C	0.45	2.37	7	2
1:A:12:ARG:HD2	1:A:12:ARG:C	0.45	2.37	7	2
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
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:B:69:THR:HG22	1:B:79:GLU:CD	0.44	2.37	2	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: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

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:42:PHE:CD1	1:B:42:PHE:C	0.43	2.96	15	1
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:A:42:PHE:C	1:A:42:PHE:CD1	0.43	2.96	15	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:33:THR:HG22	1:B:75:LEU:C	0.42	2.39	3	1
1:A:83:LEU:HG	1:A:87:LEU:CD1	0.42	2.44	13	1
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:33:THR:HG22	1:A:75:LEU:C	0.42	2.39	3	1
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

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
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: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: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%)	18	68
1	B	78/105 (74%)	74±1 (95±1%)	3±1 (4±1%)	1±0 (1±1%)	18	68
All	All	3120/4200 (74%)	2975 (95%)	121 (4%)	24 (1%)	18	68

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%)	61±1 (91±2%)	6±1 (9±2%)	11	57
1	B	67/91 (74%)	61±1 (91±2%)	6±1 (9±2%)	11	56
All	All	2680/3640 (74%)	2436 (91%)	244 (9%)	11	57

All 42 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	34	LEU	20
1	B	10	THR	20
1	B	34	LEU	20
1	A	33	THR	18
1	B	33	THR	18
1	A	76	ASP	16
1	B	76	ASP	16
1	A	13	CYS	8
1	A	20	VAL	8
1	B	13	CYS	8
1	B	20	VAL	8
1	B	12	ARG	8
1	A	12	ARG	7
1	A	78	SER	5
1	B	78	SER	5
1	B	38	GLU	4
1	A	38	GLU	3
1	A	22	GLN	3
1	B	22	GLN	3
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

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Mol	Chain	Res	Type	Models (Total)
1	A	18	ILE	1
1	B	18	ILE	1
1	A	82	ASN	1
1	B	82	ASN	1
1	A	23	LYS	1
1	B	23	LYS	1
1	A	46	GLU	1
1	B	46	GLU	1
1	A	80	PHE	1
1	B	80	PHE	1
1	A	43	MET	1
1	B	43	MET	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

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

6.5 Carbohydrates

There are no oligosaccharides in this entry.

6.6 Ligand geometry

There are no ligands in this entry.

6.7 Other polymers

There are no such molecules in this entry.

6.8 Polymer linkage issues

There are no chain breaks in this entry.

7 Chemical shift validation

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

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

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	91	-0.10 ± 0.23	None needed (< 0.5 ppm)
$^{13}C_{\beta}$	84	0.28 ± 0.16	None needed (< 0.5 ppm)
$^{13}C'$	90	-0.29 ± 0.16	None needed (< 0.5 ppm)
^{15}N	87	0.57 ± 0.39	None needed (imprecise)

7.1.3 Completeness of resonance assignments

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 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}H	^{13}C	^{15}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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	Total	^{1}H	^{13}C	^{15}N
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.

	Total	^{1}H	^{13}C	^{15}N
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)

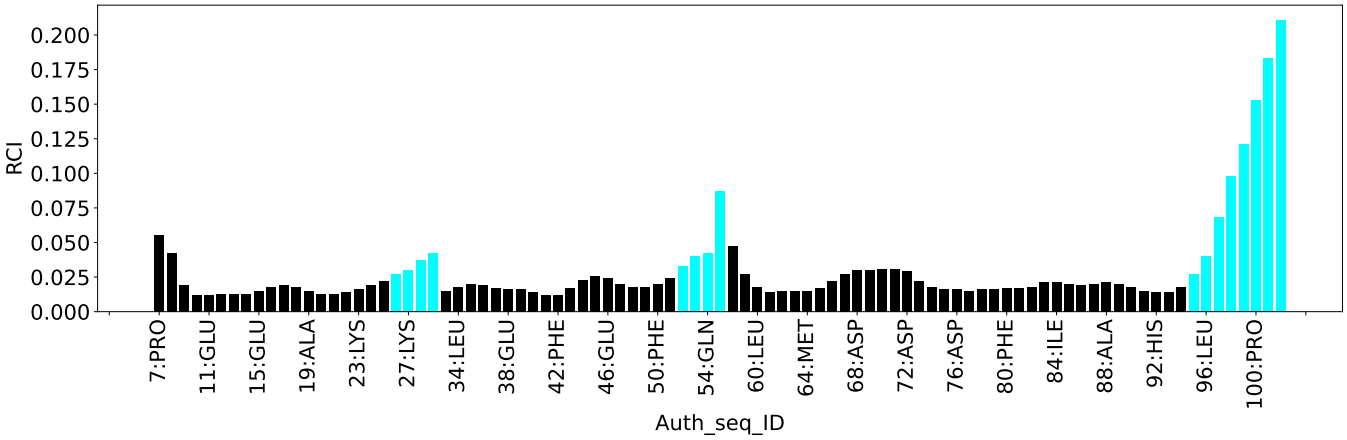
The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

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:


RCI
0.200
0.175
0.150
0.125
0.100
0.075
0.050
0.025
0.000
7:PRO
11:GLU
15:GLU
19:ALA
23:LYS
27:LYS
34:LEU
38:GLU
42:PHE
46:GLU
50:PHE
54:GLN
60:LEU
64:MET
68:ASP
72:ASP
76:ASP
80:PHE
84:ILE
88:ALA
92:HIS
96:LEU
100:PRO
Auth_seq_ID

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|≥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[1]	3.9

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

8.2 Residual restraint violations

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

8.2.1 Average number of distance violations per model

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

Bins (Å)	Average number of violations per model	Max (Å)
0.1-0.2 (Small)	186.3	0.2
0.2-0.5 (Medium)	394.1	0.5
>0.5 (Large)	621.4	3.18

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)	13.5	5.61
10.0-20.0 (Medium)	None	None
>20.0 (Large)	None	None

9 Distance violation analysis (i)

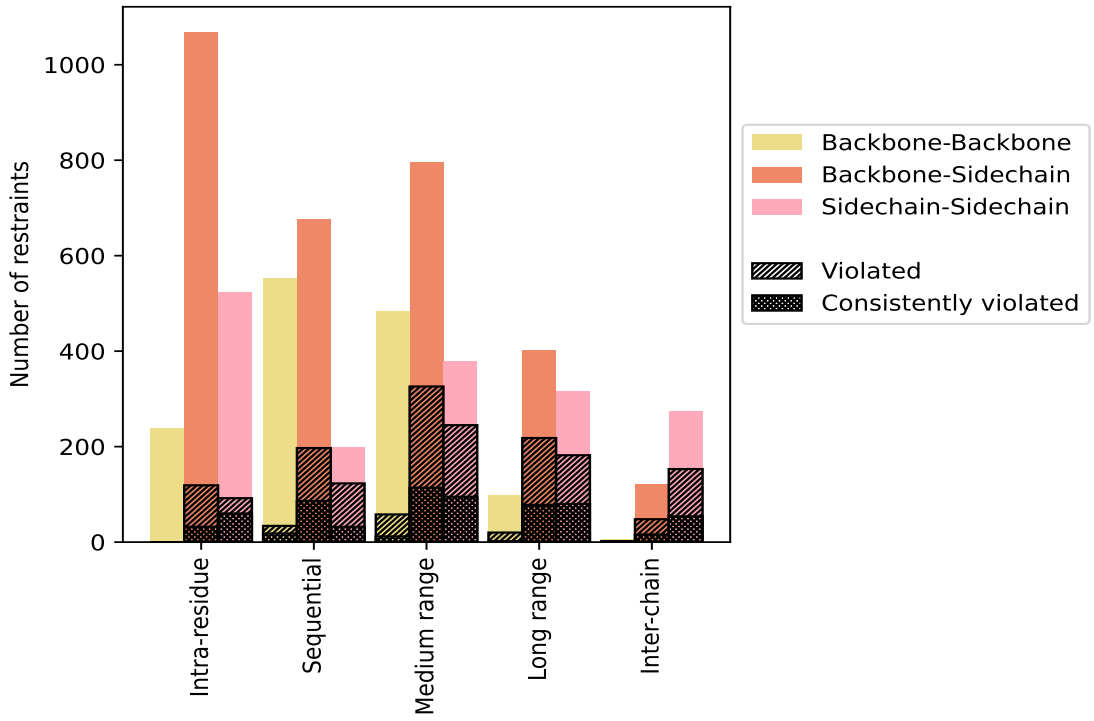
9.1 Summary of distance violations (i)

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.

Restraints type	Count	%[1]	Violated[3]			Consistently Violated[4]		
			Count	%[2]	%[1]	Count	%[2]	%[1]
Intra-residue (|i-j|=0)	1830	29.9	211	11.5	3.4	92	5.0	1.5
Backbone-Backbone	238	3.9	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	1068	17.4	119	11.1	1.9	32	3.0	0.5
Sidechain-Sidechain	524	8.5	92	17.6	1.5	60	11.5	1.0
Sequential (|i-j|=1)	1426	23.3	354	24.8	5.8	136	9.5	2.2
Backbone-Backbone	552	9.0	34	6.2	0.6	18	3.3	0.3
Backbone-Sidechain	676	11.0	197	29.1	3.2	86	12.7	1.4
Sidechain-Sidechain	198	3.2	123	62.1	2.0	32	16.2	0.5
Medium range (|i-j|>1 & |i-j|<5)	1550	25.3	615	39.7	10.0	221	14.3	3.6
Backbone-Backbone	484	7.9	58	12.0	0.9	12	2.5	0.2
Backbone-Sidechain	688	11.2	312	45.3	5.1	114	16.6	1.9
Sidechain-Sidechain	378	6.2	245	64.8	4.0	95	25.1	1.5
Long range (|i-j|≥5)	808	13.2	418	51.7	6.8	160	19.8	2.6
Backbone-Backbone	98	1.6	20	20.4	0.3	2	2.0	0.0
Backbone-Sidechain	394	6.4	216	54.8	3.5	78	19.8	1.3
Sidechain-Sidechain	316	5.2	182	57.6	3.0	80	25.3	1.3
Inter-chain	400	6.5	203	50.7	3.3	70	17.5	1.1
Backbone-Backbone	6	0.1	2	33.3	0.0	0	0.0	0.0
Backbone-Sidechain	120	2.0	48	40.0	0.8	16	13.3	0.3
Sidechain-Sidechain	274	4.5	153	55.8	2.5	54	19.7	0.9
Hydrogen bond	116	1.9	16	13.8	0.3	0	0.0	0.0
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	6130	100.0	1817	29.6	29.6	679	11.1	11.1
Backbone-Backbone	1378	22.5	114	8.3	1.9	32	2.3	0.5
Backbone-Sidechain	3062	50.0	908	29.7	14.8	326	10.6	5.3
Sidechain-Sidechain	1690	27.6	795	47.0	13.0	321	19.0	5.2

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

9.1.1 Bar chart : Distribution of distance restraints and violations



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

9.2 Distance violation statistics for each model

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

Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
1	144	244	393	246	173	1200	0.65	3.1	0.48	0.53
2	157	246	379	262	180	1224	0.67	3.18	0.49	0.56
3	154	255	405	248	184	1246	0.64	2.94	0.5	0.5
4	145	254	384	263	160	1206	0.65	3.04	0.5	0.52
5	158	248	375	255	178	1214	0.64	2.86	0.48	0.51
6	162	231	372	253	175	1193	0.65	3.09	0.5	0.53
7	144	240	428	262	174	1248	0.64	2.61	0.48	0.5
8	147	246	402	258	195	1248	0.64	2.96	0.48	0.51
9	148	265	379	252	180	1224	0.65	2.87	0.49	0.52
10	153	258	359	262	182	1214	0.63	2.96	0.48	0.52

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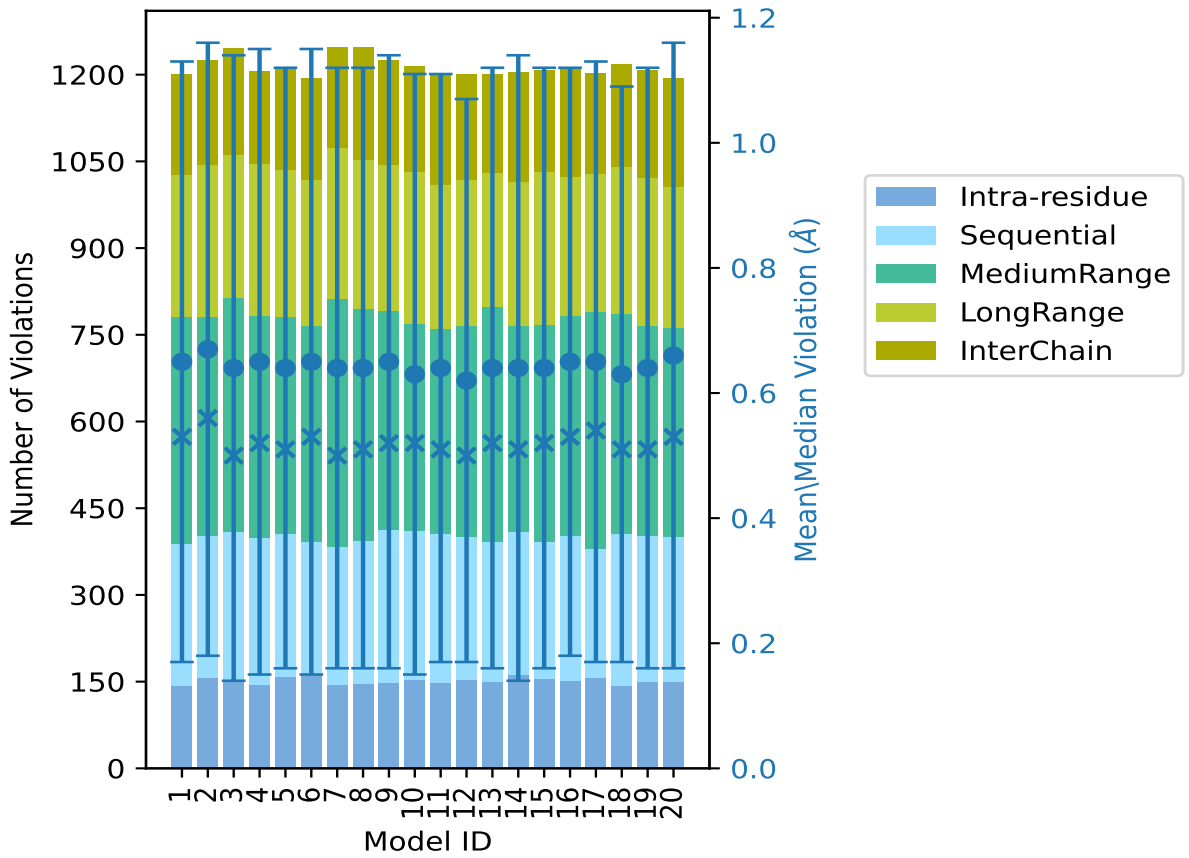
Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
11	148	257	356	248	189	1198	0.64	2.82	0.47	0.51
12	153	248	364	253	182	1200	0.62	2.9	0.45	0.5
13	150	242	406	232	170	1200	0.64	2.9	0.48	0.52
14	163	246	356	250	189	1204	0.64	2.96	0.5	0.51
15	155	238	374	264	176	1207	0.64	3.11	0.48	0.52
16	152	250	381	240	189	1212	0.65	2.97	0.47	0.53
17	156	224	409	240	174	1203	0.65	3.04	0.48	0.54
18	142	264	380	254	178	1218	0.63	2.96	0.46	0.51
19	150	252	364	256	186	1208	0.64	2.92	0.48	0.51
20	150	250	362	244	188	1194	0.66	3.01	0.5	0.53

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

9.2.1 Bar graph : Distance Violation statistics for each model



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

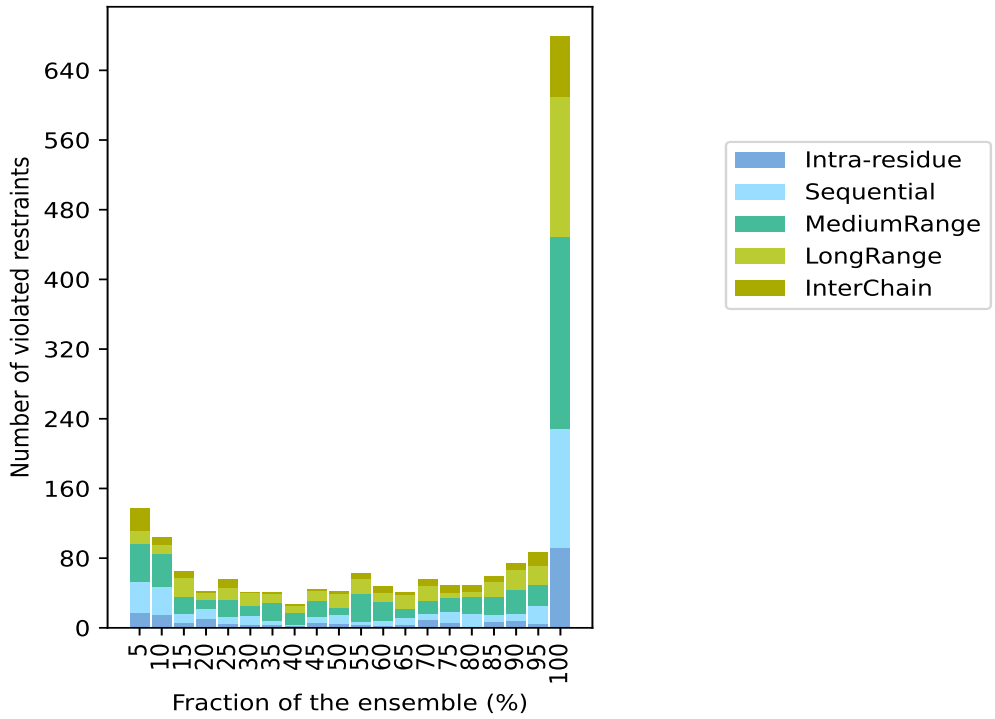
9.3 Distance violation statistics for the ensemble (i)

Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 4213(IR:1619, SQ:1072, MR:935, LR:390, IC:197) restraints are not violated in the ensemble.

Number of violated restraints						Fraction of the ensemble	
IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total	Count[6]	%
17	36	44	14	26	137	1	5.0
15	32	38	10	9	104	2	10.0
6	10	20	21	8	65	3	15.0
10	12	11	7	2	42	4	20.0
5	8	19	14	10	56	5	25.0
4	10	12	14	1	41	6	30.0
4	4	21	10	2	41	7	35.0
2	2	13	8	2	27	8	40.0
6	7	18	11	2	44	9	45.0
5	10	8	16	3	42	10	50.0
3	4	32	17	6	62	11	55.0
2	6	22	10	7	47	12	60.0
3	8	11	16	3	41	13	65.0
9	7	15	17	7	55	14	70.0
6	12	17	5	9	49	15	75.0
2	14	20	5	8	49	16	80.0
7	8	21	17	6	59	17	85.0
8	8	27	24	7	74	18	90.0
5	20	25	22	15	87	19	95.0
92	136	221	160	70	679	20	100.0

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

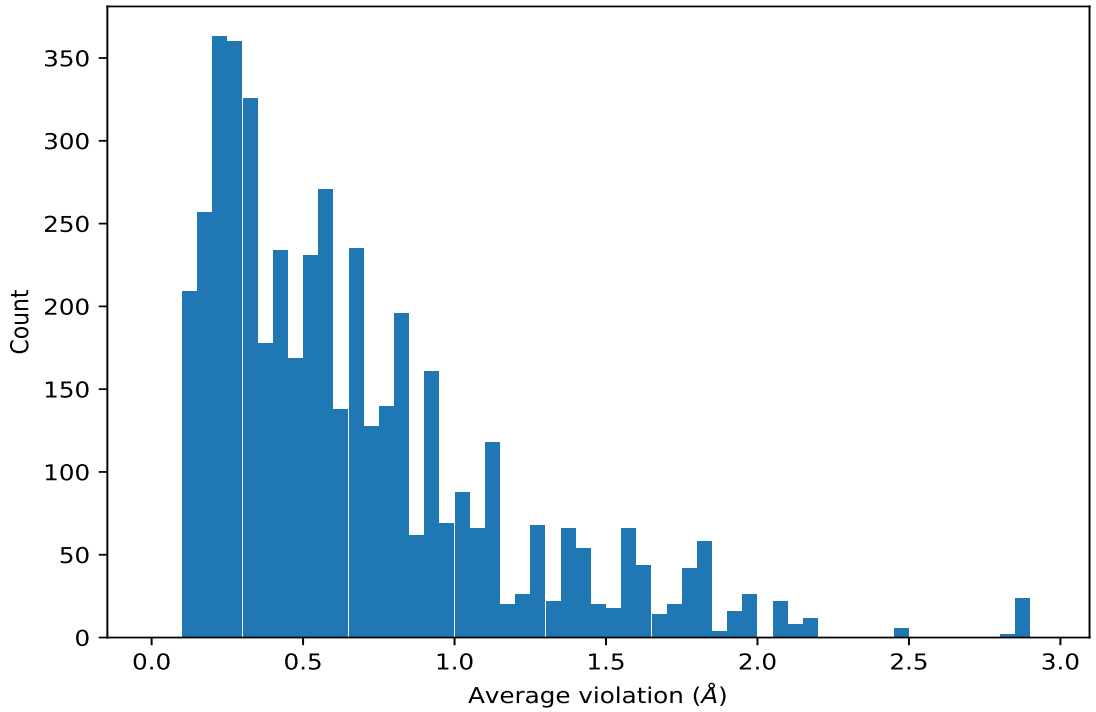
9.3.1 Bar graph : Distance violation statistics for the ensemble



9.4 Most violated distance restraints in the ensemble

9.4.1 Histogram : Distribution of mean distance violations

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



9.4.2 Table: Most violated distance restraints (i)

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

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4936)	1:67:B:LEU:HD12	1:33:B:THR:HG22	20	2.9	0.18	2.94
(1,4936)	1:67:B:LEU:HD12	1:47:B:LEU:HG	20	2.9	0.18	2.94
(1,4936)	1:67:B:LEU:HD13	1:33:B:THR:HG21	20	2.9	0.18	2.94
(1,4936)	1:67:B:LEU:HD13	1:47:B:LEU:HG	20	2.9	0.18	2.94
(1,4936)	1:67:B:LEU:HD12	1:59:B:VAL:HG11	20	2.9	0.18	2.94
(1,4936)	1:67:B:LEU:HD11	1:47:B:LEU:HG	20	2.9	0.18	2.94
(1,4936)	1:67:B:LEU:HD13	1:59:B:VAL:HG13	20	2.9	0.18	2.94
(1,4936)	1:67:B:LEU:HD11	1:59:B:VAL:HG12	20	2.9	0.18	2.94
(1,4936)	1:67:B:LEU:HD11	1:59:B:VAL:HG13	20	2.9	0.18	2.94
(1,4936)	1:67:B:LEU:HD12	1:33:B:THR:HG21	20	2.9	0.18	2.94
(1,4936)	1:67:B:LEU:HD13	1:33:B:THR:HG22	20	2.9	0.18	2.94
(1,4936)	1:67:B:LEU:HD13	1:59:B:VAL:HG11	20	2.9	0.18	2.94
(1,4935)	1:67:A:LEU:HD12	1:33:A:THR:HG22	20	2.9	0.18	2.94
(1,4935)	1:67:A:LEU:HD12	1:47:A:LEU:HG	20	2.9	0.18	2.94
(1,4935)	1:67:A:LEU:HD13	1:33:A:THR:HG21	20	2.9	0.18	2.94
(1,4935)	1:67:A:LEU:HD13	1:47:A:LEU:HG	20	2.9	0.18	2.94

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4935)	1:67:A:LEU:HD12	1:59:A:VAL:HG11	20	2.9	0.18	2.94
(1,4935)	1:67:A:LEU:HD11	1:47:A:LEU:HG	20	2.9	0.18	2.94
(1,4935)	1:67:A:LEU:HD13	1:59:A:VAL:HG13	20	2.9	0.18	2.94
(1,4935)	1:67:A:LEU:HD11	1:59:A:VAL:HG12	20	2.9	0.18	2.94
(1,4935)	1:67:A:LEU:HD11	1:59:A:VAL:HG13	20	2.9	0.18	2.94
(1,4935)	1:67:A:LEU:HD12	1:33:A:THR:HG21	20	2.9	0.18	2.94
(1,4935)	1:67:A:LEU:HD13	1:33:A:THR:HG22	20	2.9	0.18	2.94
(1,4935)	1:67:A:LEU:HD13	1:59:A:VAL:HG11	20	2.9	0.18	2.94
(1,5058)	1:45:B:THR:HG21	1:47:B:LEU:HG	20	2.49	0.15	2.51
(1,5058)	1:45:B:THR:HG22	1:47:B:LEU:HG	20	2.49	0.15	2.51
(1,5058)	1:45:B:THR:HG23	1:47:B:LEU:HG	20	2.49	0.15	2.51
(1,5057)	1:45:A:THR:HG21	1:47:A:LEU:HG	20	2.49	0.15	2.51
(1,5057)	1:45:A:THR:HG22	1:47:A:LEU:HG	20	2.49	0.15	2.51
(1,5057)	1:45:A:THR:HG23	1:47:A:LEU:HG	20	2.49	0.15	2.51
(1,3713)	1:46:A:GLU:HB3	1:87:A:LEU:HD22	20	2.15	0.21	2.13
(1,3713)	1:46:A:GLU:HB3	1:34:A:LEU:HD22	20	2.15	0.21	2.13
(1,3713)	1:46:A:GLU:HB3	1:34:A:LEU:HD21	20	2.15	0.21	2.13
(1,3713)	1:46:A:GLU:HB3	1:87:A:LEU:HD23	20	2.15	0.21	2.13
(1,3713)	1:46:A:GLU:HB3	1:87:A:LEU:HD21	20	2.15	0.21	2.13
(1,3713)	1:46:A:GLU:HB3	1:34:A:LEU:HD23	20	2.15	0.21	2.13
(1,3714)	1:46:B:GLU:HB3	1:87:B:LEU:HD22	20	2.15	0.21	2.13
(1,3714)	1:46:B:GLU:HB3	1:34:B:LEU:HD22	20	2.15	0.21	2.13
(1,3714)	1:46:B:GLU:HB3	1:34:B:LEU:HD21	20	2.15	0.21	2.13
(1,3714)	1:46:B:GLU:HB3	1:87:B:LEU:HD23	20	2.15	0.21	2.13
(1,3714)	1:46:B:GLU:HB3	1:87:B:LEU:HD21	20	2.15	0.21	2.13
(1,3714)	1:46:B:GLU:HB3	1:34:B:LEU:HD23	20	2.15	0.21	2.13
(1,140)	1:58:B:GLY:HA3	1:36:B:LYS:HE2	20	2.13	0.21	2.1
(1,140)	1:58:B:GLY:HA3	1:36:B:LYS:HE3	20	2.13	0.21	2.1
(1,4920)	1:52:B:LYS:HA	1:43:B:MET:HB3	20	2.13	0.23	2.16
(1,4920)	1:71:B:SER:HA	1:67:B:LEU:HB2	20	2.13	0.23	2.16
(1,139)	1:58:A:GLY:HA3	1:36:A:LYS:HE2	20	2.13	0.21	2.1
(1,139)	1:58:A:GLY:HA3	1:36:A:LYS:HE3	20	2.13	0.21	2.1
(1,4919)	1:52:A:LYS:HA	1:43:A:MET:HB3	20	2.13	0.23	2.16
(1,4919)	1:71:A:SER:HA	1:67:A:LEU:HB2	20	2.13	0.23	2.16
(1,4592)	1:99:B:VAL:HG23	1:96:B:LEU:HD13	20	2.07	0.17	2.08
(1,4592)	1:99:B:VAL:HG23	1:96:B:LEU:HD11	20	2.07	0.17	2.08
(1,4592)	1:99:B:VAL:HG22	1:96:B:LEU:HD12	20	2.07	0.17	2.08
(1,4592)	1:99:B:VAL:HG21	1:96:B:LEU:HD11	20	2.07	0.17	2.08
(1,4592)	1:99:B:VAL:HG22	1:96:B:LEU:HD13	20	2.07	0.17	2.08
(1,4592)	1:99:B:VAL:HG23	1:96:B:LEU:HD12	20	2.07	0.17	2.08
(1,4592)	1:99:B:VAL:HG22	1:96:B:LEU:HD11	20	2.07	0.17	2.08
(1,4592)	1:99:B:VAL:HG11	1:96:B:LEU:HD12	20	2.07	0.17	2.08

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4591)	1:99:A:VAL:HG23	1:96:A:LEU:HD13	20	2.07	0.17	2.08
(1,4591)	1:99:A:VAL:HG23	1:96:A:LEU:HD11	20	2.07	0.17	2.08
(1,4591)	1:99:A:VAL:HG22	1:96:A:LEU:HD12	20	2.07	0.17	2.08
(1,4591)	1:99:A:VAL:HG21	1:96:A:LEU:HD11	20	2.07	0.17	2.08
(1,4591)	1:99:A:VAL:HG22	1:96:A:LEU:HD13	20	2.07	0.17	2.08
(1,4591)	1:99:A:VAL:HG23	1:96:A:LEU:HD12	20	2.07	0.17	2.08
(1,4591)	1:99:A:VAL:HG22	1:96:A:LEU:HD11	20	2.07	0.17	2.08
(1,4591)	1:99:A:VAL:HG11	1:96:A:LEU:HD12	20	2.07	0.17	2.08
(1,4654)	1:94:B:SER:HB2	1:100:B:PRO:HB3	20	2.06	0.36	2.03
(1,4654)	1:94:B:SER:HB2	1:100:B:PRO:HG3	20	2.06	0.36	2.03
(1,4654)	1:94:B:SER:HB3	1:100:B:PRO:HB3	20	2.06	0.36	2.03
(1,4653)	1:94:A:SER:HB2	1:100:A:PRO:HB3	20	2.06	0.36	2.03
(1,4653)	1:94:A:SER:HB2	1:100:A:PRO:HG3	20	2.06	0.36	2.03
(1,4653)	1:94:A:SER:HB3	1:100:A:PRO:HB3	20	2.06	0.36	2.03
(1,3489)	1:13:A:CYS:HB2	1:81:B:LEU:HD22	20	1.99	0.36	2.12
(1,3489)	1:13:A:CYS:HB2	1:81:B:LEU:HD21	20	1.99	0.36	2.12
(1,3489)	1:13:A:CYS:HB2	1:81:B:LEU:HD23	20	1.99	0.36	2.12
(1,3490)	1:13:B:CYS:HB2	1:81:A:LEU:HD22	20	1.99	0.35	2.13
(1,3490)	1:13:B:CYS:HB2	1:81:A:LEU:HD21	20	1.99	0.35	2.13
(1,3490)	1:13:B:CYS:HB2	1:81:A:LEU:HD23	20	1.99	0.35	2.13
(1,4106)	1:47:B:LEU:HB2	1:11:A:GLU:HB3	20	1.98	0.13	1.99
(1,4106)	1:47:B:LEU:HB2	1:11:A:GLU:HB2	20	1.98	0.13	1.99
(1,4105)	1:47:A:LEU:HB2	1:11:B:GLU:HB3	20	1.98	0.13	2.0
(1,4105)	1:47:A:LEU:HB2	1:11:B:GLU:HB2	20	1.98	0.13	2.0
(1,4576)	1:59:B:VAL:HG21	1:47:B:LEU:HD11	20	1.96	0.14	2.0
(1,4576)	1:59:B:VAL:HG23	1:47:B:LEU:HD12	20	1.96	0.14	2.0
(1,4576)	1:59:B:VAL:HG22	1:47:B:LEU:HD13	20	1.96	0.14	2.0
(1,4576)	1:59:B:VAL:HG22	1:47:B:LEU:HD11	20	1.96	0.14	2.0
(1,4576)	1:59:B:VAL:HG21	1:47:B:LEU:HD12	20	1.96	0.14	2.0
(1,4576)	1:59:B:VAL:HG21	1:47:B:LEU:HD13	20	1.96	0.14	2.0
(1,4576)	1:59:B:VAL:HG23	1:47:B:LEU:HD11	20	1.96	0.14	2.0
(1,4576)	1:59:B:VAL:HG23	1:47:B:LEU:HD13	20	1.96	0.14	2.0
(1,4575)	1:59:A:VAL:HG21	1:47:A:LEU:HD11	20	1.96	0.14	2.0
(1,4575)	1:59:A:VAL:HG23	1:47:A:LEU:HD12	20	1.96	0.14	2.0
(1,4575)	1:59:A:VAL:HG22	1:47:A:LEU:HD13	20	1.96	0.14	2.0
(1,4575)	1:59:A:VAL:HG22	1:47:A:LEU:HD11	20	1.96	0.14	2.0
(1,4575)	1:59:A:VAL:HG21	1:47:A:LEU:HD12	20	1.96	0.14	2.0
(1,4575)	1:59:A:VAL:HG21	1:47:A:LEU:HD13	20	1.96	0.14	2.0
(1,4575)	1:59:A:VAL:HG23	1:47:A:LEU:HD11	20	1.96	0.14	2.0
(1,4575)	1:59:A:VAL:HG23	1:47:A:LEU:HD13	20	1.96	0.14	2.0
(1,4281)	1:20:A:VAL:HG12	1:81:A:LEU:HD23	20	1.94	0.83	2.2
(1,4281)	1:20:A:VAL:HG11	1:81:A:LEU:HD23	20	1.94	0.83	2.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4281)	1:20:A:VAL:HG13	1:81:A:LEU:HD21	20	1.94	0.83	2.2
(1,4281)	1:20:A:VAL:HG11	1:81:A:LEU:HD21	20	1.94	0.83	2.2
(1,4281)	1:20:A:VAL:HG13	1:81:A:LEU:HD22	20	1.94	0.83	2.2
(1,4281)	1:20:A:VAL:HG12	1:81:A:LEU:HD22	20	1.94	0.83	2.2
(1,4281)	1:20:A:VAL:HG12	1:81:A:LEU:HD21	20	1.94	0.83	2.2
(1,4281)	1:20:A:VAL:HG13	1:81:A:LEU:HD23	20	1.94	0.83	2.2
(1,4282)	1:20:B:VAL:HG12	1:81:B:LEU:HD23	20	1.94	0.84	2.2
(1,4282)	1:20:B:VAL:HG11	1:81:B:LEU:HD23	20	1.94	0.84	2.2
(1,4282)	1:20:B:VAL:HG13	1:81:B:LEU:HD21	20	1.94	0.84	2.2
(1,4282)	1:20:B:VAL:HG11	1:81:B:LEU:HD21	20	1.94	0.84	2.2
(1,4282)	1:20:B:VAL:HG13	1:81:B:LEU:HD22	20	1.94	0.84	2.2
(1,4282)	1:20:B:VAL:HG12	1:81:B:LEU:HD22	20	1.94	0.84	2.2
(1,4282)	1:20:B:VAL:HG12	1:81:B:LEU:HD21	20	1.94	0.84	2.2
(1,4282)	1:20:B:VAL:HG13	1:81:B:LEU:HD23	20	1.94	0.84	2.2
(1,3910)	1:82:B:ASN:HB2	1:75:B:LEU:HB2	20	1.86	0.31	1.83
(1,3910)	1:82:B:ASN:HB2	1:77:B:PHE:HB3	20	1.86	0.31	1.83
(1,3909)	1:82:A:ASN:HB2	1:75:A:LEU:HB2	20	1.86	0.31	1.84
(1,3909)	1:82:A:ASN:HB2	1:77:A:PHE:HB3	20	1.86	0.31	1.84
(1,3882)	1:15:B:GLU:HG2	1:14:B:ILE:HD11	20	1.83	0.12	1.84
(1,3882)	1:15:B:GLU:HG2	1:14:B:ILE:HD13	20	1.83	0.12	1.84
(1,3882)	1:15:B:GLU:HG2	1:14:B:ILE:HD12	20	1.83	0.12	1.84
(1,3881)	1:15:A:GLU:HG2	1:14:A:ILE:HD11	20	1.83	0.12	1.83
(1,3881)	1:15:A:GLU:HG2	1:14:A:ILE:HD13	20	1.83	0.12	1.83
(1,3881)	1:15:A:GLU:HG2	1:14:A:ILE:HD12	20	1.83	0.12	1.83
(1,3673)	1:75:A:LEU:HB3	1:63:A:MET:HB2	20	1.82	0.24	1.87
(1,3673)	1:75:A:LEU:HB3	1:21:A:PHE:HB3	20	1.82	0.24	1.87
(1,3674)	1:75:B:LEU:HB3	1:63:B:MET:HB2	20	1.82	0.24	1.87
(1,3674)	1:75:B:LEU:HB3	1:21:B:PHE:HB3	20	1.82	0.24	1.87
(1,3805)	1:99:A:VAL:HG12	1:18:B:ILE:HG22	20	1.81	0.22	1.85
(1,3805)	1:99:A:VAL:HG13	1:96:A:LEU:HD22	20	1.81	0.22	1.85
(1,3805)	1:99:A:VAL:HG13	1:96:A:LEU:HD23	20	1.81	0.22	1.85
(1,3805)	1:99:A:VAL:HG12	1:18:B:ILE:HG23	20	1.81	0.22	1.85
(1,3805)	1:99:A:VAL:HG12	1:96:A:LEU:HD22	20	1.81	0.22	1.85
(1,3805)	1:99:A:VAL:HG12	1:96:A:LEU:HD23	20	1.81	0.22	1.85
(1,3805)	1:99:A:VAL:HG13	1:96:A:LEU:HD21	20	1.81	0.22	1.85
(1,3805)	1:99:A:VAL:HG11	1:96:A:LEU:HD22	20	1.81	0.22	1.85
(1,3805)	1:99:A:VAL:HG12	1:96:A:LEU:HD21	20	1.81	0.22	1.85
(1,3805)	1:99:A:VAL:HG11	1:18:B:ILE:HG21	20	1.81	0.22	1.85
(1,3805)	1:99:A:VAL:HG11	1:96:A:LEU:HD21	20	1.81	0.22	1.85
(1,3805)	1:99:A:VAL:HG11	1:18:B:ILE:HG22	20	1.81	0.22	1.85
(1,3805)	1:99:A:VAL:HG13	1:96:A:LEU:HD12	20	1.81	0.22	1.85
(1,3805)	1:99:A:VAL:HG11	1:96:A:LEU:HD23	20	1.81	0.22	1.85

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3806)	1:99:B:VAL:HG12	1:18:A:ILE:HG22	20	1.81	0.22	1.85
(1,3806)	1:99:B:VAL:HG13	1:96:B:LEU:HD22	20	1.81	0.22	1.85
(1,3806)	1:99:B:VAL:HG13	1:96:B:LEU:HD23	20	1.81	0.22	1.85
(1,3806)	1:99:B:VAL:HG12	1:18:A:ILE:HG23	20	1.81	0.22	1.85
(1,3806)	1:99:B:VAL:HG12	1:96:B:LEU:HD22	20	1.81	0.22	1.85
(1,3806)	1:99:B:VAL:HG12	1:96:B:LEU:HD23	20	1.81	0.22	1.85
(1,3806)	1:99:B:VAL:HG13	1:96:B:LEU:HD21	20	1.81	0.22	1.85
(1,3806)	1:99:B:VAL:HG11	1:96:B:LEU:HD22	20	1.81	0.22	1.85
(1,3806)	1:99:B:VAL:HG12	1:96:B:LEU:HD21	20	1.81	0.22	1.85
(1,3806)	1:99:B:VAL:HG11	1:18:A:ILE:HG21	20	1.81	0.22	1.85
(1,3806)	1:99:B:VAL:HG11	1:96:B:LEU:HD21	20	1.81	0.22	1.85
(1,3806)	1:99:B:VAL:HG11	1:18:A:ILE:HG22	20	1.81	0.22	1.85
(1,3806)	1:99:B:VAL:HG13	1:96:B:LEU:HD12	20	1.81	0.22	1.85
(1,3806)	1:99:B:VAL:HG11	1:96:B:LEU:HD23	20	1.81	0.22	1.85
(1,541)	1:15:A:GLU:HG3	1:18:A:ILE:HG22	20	1.8	0.06	1.81
(1,541)	1:15:A:GLU:HG3	1:18:A:ILE:HG23	20	1.8	0.06	1.81
(1,541)	1:15:A:GLU:HG3	1:18:A:ILE:HG21	20	1.8	0.06	1.81
(1,4901)	1:47:A:LEU:HD11	1:11:B:GLU:HB3	20	1.8	0.13	1.78
(1,4901)	1:47:A:LEU:HD12	1:11:B:GLU:HB3	20	1.8	0.13	1.78
(1,4901)	1:47:A:LEU:HD13	1:11:B:GLU:HB3	20	1.8	0.13	1.78
(1,4901)	1:47:A:LEU:HD12	1:14:B:ILE:HB	20	1.8	0.13	1.78
(1,4901)	1:47:A:LEU:HD11	1:14:B:ILE:HB	20	1.8	0.13	1.78
(1,4901)	1:47:A:LEU:HD12	1:11:B:GLU:HB2	20	1.8	0.13	1.78
(1,4901)	1:47:A:LEU:HD13	1:14:B:ILE:HB	20	1.8	0.13	1.78
(1,4902)	1:47:B:LEU:HD11	1:11:A:GLU:HB3	20	1.8	0.13	1.78
(1,4902)	1:47:B:LEU:HD13	1:11:A:GLU:HB3	20	1.8	0.13	1.78
(1,4902)	1:47:B:LEU:HD12	1:14:A:ILE:HB	20	1.8	0.13	1.78
(1,4902)	1:47:B:LEU:HD11	1:14:A:ILE:HB	20	1.8	0.13	1.78
(1,4902)	1:47:B:LEU:HD12	1:11:A:GLU:HB2	20	1.8	0.13	1.78
(1,4902)	1:47:B:LEU:HD12	1:11:A:GLU:HB3	20	1.8	0.13	1.78
(1,4902)	1:47:B:LEU:HD13	1:14:A:ILE:HB	20	1.8	0.13	1.78
(1,542)	1:15:B:GLU:HG3	1:18:B:ILE:HG22	20	1.8	0.06	1.81
(1,542)	1:15:B:GLU:HG3	1:18:B:ILE:HG23	20	1.8	0.06	1.81
(1,542)	1:15:B:GLU:HG3	1:18:B:ILE:HG21	20	1.8	0.06	1.81
(1,4221)	1:99:A:VAL:HG12	1:18:B:ILE:HG22	20	1.78	0.18	1.84
(1,4221)	1:99:A:VAL:HG13	1:96:A:LEU:HD22	20	1.78	0.18	1.84
(1,4221)	1:99:A:VAL:HG13	1:96:A:LEU:HD23	20	1.78	0.18	1.84
(1,4221)	1:99:A:VAL:HG12	1:18:B:ILE:HG23	20	1.78	0.18	1.84
(1,4221)	1:99:A:VAL:HG12	1:96:A:LEU:HD22	20	1.78	0.18	1.84
(1,4221)	1:99:A:VAL:HG12	1:96:A:LEU:HD23	20	1.78	0.18	1.84
(1,4221)	1:99:A:VAL:HG23	1:96:A:LEU:HD12	20	1.78	0.18	1.84
(1,4221)	1:99:A:VAL:HG13	1:96:A:LEU:HD21	20	1.78	0.18	1.84

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4221)	1:99:A:VAL:HG11	1:96:A:LEU:HD22	20	1.78	0.18	1.84
(1,4221)	1:99:A:VAL:HG12	1:96:A:LEU:HD21	20	1.78	0.18	1.84
(1,4221)	1:99:A:VAL:HG11	1:18:B:ILE:HG21	20	1.78	0.18	1.84
(1,4221)	1:99:A:VAL:HG11	1:96:A:LEU:HD21	20	1.78	0.18	1.84
(1,4221)	1:99:A:VAL:HG11	1:18:B:ILE:HG22	20	1.78	0.18	1.84
(1,4221)	1:99:A:VAL:HG22	1:96:A:LEU:HD12	20	1.78	0.18	1.84
(1,4221)	1:99:A:VAL:HG11	1:96:A:LEU:HD23	20	1.78	0.18	1.84
(1,4222)	1:99:B:VAL:HG12	1:18:A:ILE:HG22	20	1.78	0.18	1.84
(1,4222)	1:99:B:VAL:HG13	1:96:B:LEU:HD22	20	1.78	0.18	1.84
(1,4222)	1:99:B:VAL:HG13	1:96:B:LEU:HD23	20	1.78	0.18	1.84
(1,4222)	1:99:B:VAL:HG12	1:18:A:ILE:HG23	20	1.78	0.18	1.84
(1,4222)	1:99:B:VAL:HG12	1:96:B:LEU:HD22	20	1.78	0.18	1.84
(1,4222)	1:99:B:VAL:HG12	1:96:B:LEU:HD23	20	1.78	0.18	1.84
(1,4222)	1:99:B:VAL:HG23	1:96:B:LEU:HD12	20	1.78	0.18	1.84
(1,4222)	1:99:B:VAL:HG13	1:96:B:LEU:HD21	20	1.78	0.18	1.84
(1,4222)	1:99:B:VAL:HG11	1:96:B:LEU:HD22	20	1.78	0.18	1.84
(1,4222)	1:99:B:VAL:HG12	1:96:B:LEU:HD21	20	1.78	0.18	1.84
(1,4222)	1:99:B:VAL:HG11	1:18:A:ILE:HG21	20	1.78	0.18	1.84
(1,4222)	1:99:B:VAL:HG11	1:96:B:LEU:HD21	20	1.78	0.18	1.84
(1,4222)	1:99:B:VAL:HG11	1:18:A:ILE:HG22	20	1.78	0.18	1.84
(1,4222)	1:99:B:VAL:HG22	1:96:B:LEU:HD12	20	1.78	0.18	1.84
(1,4222)	1:99:B:VAL:HG11	1:96:B:LEU:HD23	20	1.78	0.18	1.84
(1,54)	1:83:B:LEU:HD23	1:14:A:ILE:HG13	20	1.77	0.08	1.78
(1,54)	1:83:B:LEU:HD22	1:14:A:ILE:HG13	20	1.77	0.08	1.78
(1,54)	1:83:B:LEU:HD21	1:14:A:ILE:HG13	20	1.77	0.08	1.78
(1,54)	1:83:B:LEU:HD22	1:14:A:ILE:HG12	20	1.77	0.08	1.78
(1,54)	1:83:B:LEU:HD23	1:14:A:ILE:HG12	20	1.77	0.08	1.78
(1,53)	1:83:A:LEU:HD23	1:14:B:ILE:HG13	20	1.77	0.09	1.77
(1,53)	1:83:A:LEU:HD22	1:14:B:ILE:HG13	20	1.77	0.09	1.77
(1,53)	1:83:A:LEU:HD21	1:14:B:ILE:HG13	20	1.77	0.09	1.77
(1,53)	1:83:A:LEU:HD22	1:14:B:ILE:HG12	20	1.77	0.09	1.77
(1,53)	1:83:A:LEU:HD23	1:14:B:ILE:HG12	20	1.77	0.09	1.77
(1,4381)	1:46:A:GLU:HB3	1:49:A:ALA:HB1	20	1.74	0.3	1.76
(1,4381)	1:46:A:GLU:HB3	1:49:A:ALA:HB2	20	1.74	0.3	1.76
(1,4381)	1:49:A:ALA:HB1	1:14:B:ILE:HG23	20	1.74	0.3	1.76
(1,4381)	1:49:A:ALA:HB1	1:14:B:ILE:HG21	20	1.74	0.3	1.76
(1,4381)	1:49:A:ALA:HB3	1:14:B:ILE:HG21	20	1.74	0.3	1.76
(1,4381)	1:49:A:ALA:HB3	1:14:B:ILE:HG23	20	1.74	0.3	1.76
(1,4381)	1:46:A:GLU:HB3	1:49:A:ALA:HB3	20	1.74	0.3	1.76
(1,4381)	1:49:A:ALA:HB1	1:14:B:ILE:HG22	20	1.74	0.3	1.76
(1,4381)	1:49:A:ALA:HB2	1:14:B:ILE:HG23	20	1.74	0.3	1.76
(1,4381)	1:49:A:ALA:HB2	1:14:B:ILE:HG22	20	1.74	0.3	1.76

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4382)	1:49:B:ALA:HB1	1:14:A:ILE:HG21	20	1.74	0.3	1.76
(1,4382)	1:46:B:GLU:HB3	1:49:B:ALA:HB2	20	1.74	0.3	1.76
(1,4382)	1:49:B:ALA:HB1	1:14:A:ILE:HG23	20	1.74	0.3	1.76
(1,4382)	1:49:B:ALA:HB3	1:14:A:ILE:HG21	20	1.74	0.3	1.76
(1,4382)	1:46:B:GLU:HB3	1:49:B:ALA:HB1	20	1.74	0.3	1.76
(1,4382)	1:49:B:ALA:HB3	1:14:A:ILE:HG23	20	1.74	0.3	1.76
(1,4382)	1:46:B:GLU:HB3	1:49:B:ALA:HB3	20	1.74	0.3	1.76
(1,4382)	1:49:B:ALA:HB1	1:14:A:ILE:HG22	20	1.74	0.3	1.76
(1,4382)	1:49:B:ALA:HB2	1:14:A:ILE:HG23	20	1.74	0.3	1.76
(1,4382)	1:49:B:ALA:HB2	1:14:A:ILE:HG22	20	1.74	0.3	1.76
(1,3614)	1:52:B:LYS:HG2	1:59:B:VAL:HG13	20	1.7	0.3	1.74
(1,3614)	1:52:B:LYS:HG3	1:59:B:VAL:HG12	20	1.7	0.3	1.74
(1,3614)	1:52:B:LYS:HG2	1:59:B:VAL:HG11	20	1.7	0.3	1.74
(1,3614)	1:52:B:LYS:HG3	1:59:B:VAL:HG11	20	1.7	0.3	1.74
(1,3614)	1:52:B:LYS:HG2	1:59:B:VAL:HG12	20	1.7	0.3	1.74
(1,3614)	1:52:B:LYS:HG3	1:59:B:VAL:HG13	20	1.7	0.3	1.74
(1,3613)	1:52:A:LYS:HG2	1:59:A:VAL:HG13	20	1.7	0.3	1.74
(1,3613)	1:52:A:LYS:HG3	1:59:A:VAL:HG12	20	1.7	0.3	1.74
(1,3613)	1:52:A:LYS:HG2	1:59:A:VAL:HG11	20	1.7	0.3	1.74
(1,3613)	1:52:A:LYS:HG3	1:59:A:VAL:HG11	20	1.7	0.3	1.74
(1,3613)	1:52:A:LYS:HG2	1:59:A:VAL:HG12	20	1.7	0.3	1.74
(1,3613)	1:52:A:LYS:HG3	1:59:A:VAL:HG13	20	1.7	0.3	1.74
(1,3385)	1:83:A:LEU:HD22	1:11:B:GLU:HG2	20	1.64	0.31	1.58
(1,3385)	1:83:A:LEU:HD21	1:11:B:GLU:HG2	20	1.64	0.31	1.58
(1,3385)	1:83:A:LEU:HD23	1:11:B:GLU:HG2	20	1.64	0.31	1.58
(1,3385)	1:17:A:LEU:HD21	1:11:B:GLU:HG2	20	1.64	0.31	1.58
(1,3386)	1:83:B:LEU:HD22	1:11:A:GLU:HG2	20	1.64	0.32	1.58
(1,3386)	1:83:B:LEU:HD21	1:11:A:GLU:HG2	20	1.64	0.32	1.58
(1,3386)	1:83:B:LEU:HD23	1:11:A:GLU:HG2	20	1.64	0.32	1.58
(1,3386)	1:17:B:LEU:HD21	1:11:A:GLU:HG2	20	1.64	0.32	1.58
(1,3922)	1:37:B:THR:HG22	1:34:B:LEU:HD21	20	1.63	0.1	1.63
(1,3922)	1:37:B:THR:HG23	1:34:B:LEU:HD23	20	1.63	0.1	1.63
(1,3922)	1:37:B:THR:HG23	1:34:B:LEU:HD22	20	1.63	0.1	1.63
(1,3922)	1:37:B:THR:HG21	1:34:B:LEU:HD22	20	1.63	0.1	1.63
(1,3922)	1:37:B:THR:HG22	1:34:B:LEU:HD22	20	1.63	0.1	1.63
(1,3922)	1:37:B:THR:HG23	1:34:B:LEU:HD21	20	1.63	0.1	1.63
(1,3922)	1:37:B:THR:HG22	1:34:B:LEU:HD23	20	1.63	0.1	1.63
(1,3922)	1:37:B:THR:HG21	1:34:B:LEU:HD23	20	1.63	0.1	1.63
(1,3922)	1:37:B:THR:HG21	1:34:B:LEU:HD21	20	1.63	0.1	1.63
(1,3921)	1:37:A:THR:HG22	1:34:A:LEU:HD21	20	1.63	0.1	1.63
(1,3921)	1:37:A:THR:HG23	1:34:A:LEU:HD23	20	1.63	0.1	1.63
(1,3921)	1:37:A:THR:HG23	1:34:A:LEU:HD22	20	1.63	0.1	1.63

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3921)	1:37:A:THR:HG21	1:34:A:LEU:HD22	20	1.63	0.1	1.63
(1,3921)	1:37:A:THR:HG22	1:34:A:LEU:HD22	20	1.63	0.1	1.63
(1,3921)	1:37:A:THR:HG23	1:34:A:LEU:HD21	20	1.63	0.1	1.63
(1,3921)	1:37:A:THR:HG22	1:34:A:LEU:HD23	20	1.63	0.1	1.63
(1,3921)	1:37:A:THR:HG21	1:34:A:LEU:HD23	20	1.63	0.1	1.63
(1,3921)	1:37:A:THR:HG21	1:34:A:LEU:HD21	20	1.63	0.1	1.63
(1,4021)	1:49:A:ALA:HB1	1:91:A:CYS:HB2	20	1.6	0.46	1.71
(1,4021)	1:49:A:ALA:HB3	1:52:A:LYS:HE2	20	1.6	0.46	1.71
(1,4021)	1:49:A:ALA:HB3	1:91:A:CYS:HB3	20	1.6	0.46	1.71
(1,4021)	1:49:A:ALA:HB3	1:91:A:CYS:HB2	20	1.6	0.46	1.71
(1,4021)	1:49:A:ALA:HB2	1:91:A:CYS:HB3	20	1.6	0.46	1.71
(1,4021)	1:49:A:ALA:HB2	1:91:A:CYS:HB2	20	1.6	0.46	1.71
(1,4021)	1:49:A:ALA:HB3	1:52:A:LYS:HE3	20	1.6	0.46	1.71
(1,4021)	1:49:A:ALA:HB1	1:91:A:CYS:HB3	20	1.6	0.46	1.71
(1,4022)	1:49:B:ALA:HB1	1:91:B:CYS:HB2	20	1.6	0.46	1.7
(1,4022)	1:49:B:ALA:HB3	1:52:B:LYS:HE2	20	1.6	0.46	1.7
(1,4022)	1:49:B:ALA:HB3	1:91:B:CYS:HB3	20	1.6	0.46	1.7
(1,4022)	1:49:B:ALA:HB3	1:91:B:CYS:HB2	20	1.6	0.46	1.7
(1,4022)	1:49:B:ALA:HB2	1:91:B:CYS:HB3	20	1.6	0.46	1.7
(1,4022)	1:49:B:ALA:HB2	1:91:B:CYS:HB2	20	1.6	0.46	1.7
(1,4022)	1:49:B:ALA:HB3	1:52:B:LYS:HE3	20	1.6	0.46	1.7
(1,4022)	1:49:B:ALA:HB1	1:91:B:CYS:HB3	20	1.6	0.46	1.7
(1,4293)	1:7:A:PRO:HB3	1:11:A:GLU:HG2	20	1.6	0.29	1.56
(1,4293)	1:27:A:LYS:HB3	1:28:A:ASP:HB3	20	1.6	0.29	1.56
(1,4294)	1:7:B:PRO:HB3	1:11:B:GLU:HG2	20	1.59	0.29	1.56
(1,4294)	1:27:B:LYS:HB3	1:28:B:ASP:HB3	20	1.59	0.29	1.56
(1,4035)	1:94:A:SER:HB2	1:14:B:ILE:HG23	20	1.59	0.25	1.54
(1,4035)	1:94:A:SER:HB3	1:99:A:VAL:HG11	20	1.59	0.25	1.54
(1,4035)	1:94:A:SER:HB2	1:14:B:ILE:HG22	20	1.59	0.25	1.54
(1,4035)	1:94:A:SER:HB3	1:99:A:VAL:HG13	20	1.59	0.25	1.54
(1,4035)	1:94:A:SER:HB3	1:14:B:ILE:HG23	20	1.59	0.25	1.54
(1,4035)	1:94:A:SER:HB3	1:99:A:VAL:HG12	20	1.59	0.25	1.54
(1,4035)	1:94:A:SER:HB3	1:14:B:ILE:HG22	20	1.59	0.25	1.54
(1,4035)	1:94:A:SER:HB3	1:14:B:ILE:HG21	20	1.59	0.25	1.54
(1,3396)	1:81:B:LEU:HD13	1:17:A:LEU:HD12	20	1.59	0.4	1.54
(1,3396)	1:81:B:LEU:HD12	1:17:A:LEU:HD11	20	1.59	0.4	1.54
(1,3396)	1:81:B:LEU:HD12	1:17:A:LEU:HD13	20	1.59	0.4	1.54
(1,3396)	1:81:B:LEU:HD11	1:17:A:LEU:HD13	20	1.59	0.4	1.54
(1,3396)	1:81:B:LEU:HD11	1:17:A:LEU:HD11	20	1.59	0.4	1.54
(1,3396)	1:81:B:LEU:HD13	1:17:A:LEU:HD11	20	1.59	0.4	1.54
(1,4036)	1:94:B:SER:HB2	1:14:A:ILE:HG23	20	1.59	0.25	1.55
(1,4036)	1:94:B:SER:HB3	1:99:B:VAL:HG11	20	1.59	0.25	1.55

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4036)	1:94:B:SER:HB2	1:14:A:ILE:HG22	20	1.59	0.25	1.55
(1,4036)	1:94:B:SER:HB3	1:99:B:VAL:HG13	20	1.59	0.25	1.55
(1,4036)	1:94:B:SER:HB3	1:14:A:ILE:HG23	20	1.59	0.25	1.55
(1,4036)	1:94:B:SER:HB3	1:99:B:VAL:HG12	20	1.59	0.25	1.55
(1,4036)	1:94:B:SER:HB3	1:14:A:ILE:HG22	20	1.59	0.25	1.55
(1,4036)	1:94:B:SER:HB3	1:14:A:ILE:HG21	20	1.59	0.25	1.55
(1,3395)	1:81:A:LEU:HD13	1:17:B:LEU:HD12	20	1.58	0.4	1.53
(1,3395)	1:81:A:LEU:HD12	1:17:B:LEU:HD11	20	1.58	0.4	1.53
(1,3395)	1:81:A:LEU:HD12	1:17:B:LEU:HD13	20	1.58	0.4	1.53
(1,3395)	1:81:A:LEU:HD11	1:17:B:LEU:HD13	20	1.58	0.4	1.53
(1,3395)	1:81:A:LEU:HD11	1:17:B:LEU:HD11	20	1.58	0.4	1.53
(1,3395)	1:81:A:LEU:HD13	1:17:B:LEU:HD11	20	1.58	0.4	1.53
(1,3695)	1:12:A:ARG:HD2	1:17:B:LEU:HD23	20	1.58	0.23	1.62
(1,3695)	1:62:A:ARG:HD2	1:60:A:LEU:HD22	20	1.58	0.23	1.62
(1,3695)	1:12:A:ARG:HD2	1:17:B:LEU:HD21	20	1.58	0.23	1.62
(1,3695)	1:12:A:ARG:HD3	1:17:B:LEU:HD22	20	1.58	0.23	1.62
(1,3695)	1:12:A:ARG:HD3	1:17:B:LEU:HD23	20	1.58	0.23	1.62
(1,3695)	1:12:A:ARG:HD2	1:17:B:LEU:HD22	20	1.58	0.23	1.62
(1,3695)	1:62:A:ARG:HD2	1:60:A:LEU:HD21	20	1.58	0.23	1.62
(1,3696)	1:12:B:ARG:HD2	1:17:A:LEU:HD23	20	1.58	0.22	1.59
(1,3696)	1:62:B:ARG:HD2	1:60:B:LEU:HD22	20	1.58	0.22	1.59
(1,3696)	1:12:B:ARG:HD2	1:17:A:LEU:HD21	20	1.58	0.22	1.59
(1,3696)	1:12:B:ARG:HD3	1:17:A:LEU:HD22	20	1.58	0.22	1.59
(1,3696)	1:12:B:ARG:HD3	1:17:A:LEU:HD23	20	1.58	0.22	1.59
(1,3696)	1:12:B:ARG:HD2	1:17:A:LEU:HD22	20	1.58	0.22	1.59
(1,3696)	1:62:B:ARG:HD2	1:60:B:LEU:HD21	20	1.58	0.22	1.59
(1,3355)	1:14:A:ILE:HG22	1:17:B:LEU:HD12	20	1.58	0.18	1.56
(1,3355)	1:14:A:ILE:HG23	1:17:B:LEU:HD11	20	1.58	0.18	1.56
(1,3355)	1:14:A:ILE:HG21	1:17:B:LEU:HD13	20	1.58	0.18	1.56
(1,3355)	1:14:A:ILE:HG21	1:47:B:LEU:HD13	20	1.58	0.18	1.56
(1,3355)	1:14:A:ILE:HG21	1:17:B:LEU:HD12	20	1.58	0.18	1.56
(1,3355)	1:14:A:ILE:HG21	1:17:B:LEU:HD11	20	1.58	0.18	1.56
(1,3355)	1:14:A:ILE:HG22	1:17:B:LEU:HD13	20	1.58	0.18	1.56
(1,3355)	1:14:A:ILE:HG23	1:17:B:LEU:HD12	20	1.58	0.18	1.56
(1,3355)	1:14:A:ILE:HG23	1:47:B:LEU:HD11	20	1.58	0.18	1.56
(1,3355)	1:14:A:ILE:HG23	1:47:B:LEU:HD13	20	1.58	0.18	1.56
(1,3355)	1:14:A:ILE:HG22	1:17:B:LEU:HD11	20	1.58	0.18	1.56
(1,3356)	1:14:B:ILE:HG22	1:17:A:LEU:HD12	20	1.57	0.18	1.56
(1,3356)	1:14:B:ILE:HG23	1:17:A:LEU:HD11	20	1.57	0.18	1.56
(1,3356)	1:14:B:ILE:HG21	1:17:A:LEU:HD13	20	1.57	0.18	1.56
(1,3356)	1:14:B:ILE:HG21	1:47:A:LEU:HD13	20	1.57	0.18	1.56
(1,3356)	1:14:B:ILE:HG21	1:17:A:LEU:HD12	20	1.57	0.18	1.56

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3356)	1:14:B:ILE:HG21	1:17:A:LEU:HD11	20	1.57	0.18	1.56
(1,3356)	1:14:B:ILE:HG22	1:17:A:LEU:HD13	20	1.57	0.18	1.56
(1,3356)	1:14:B:ILE:HG23	1:17:A:LEU:HD12	20	1.57	0.18	1.56
(1,3356)	1:14:B:ILE:HG23	1:47:A:LEU:HD11	20	1.57	0.18	1.56
(1,3356)	1:14:B:ILE:HG23	1:47:A:LEU:HD13	20	1.57	0.18	1.56
(1,3356)	1:14:B:ILE:HG22	1:17:A:LEU:HD11	20	1.57	0.18	1.56
(1,4096)	1:17:B:LEU:HD11	1:89:A:MET:HG3	20	1.52	0.22	1.5
(1,4096)	1:17:B:LEU:HD13	1:89:A:MET:HG3	20	1.52	0.22	1.5
(1,4096)	1:17:B:LEU:HD12	1:89:A:MET:HG3	20	1.52	0.22	1.5
(1,4095)	1:17:A:LEU:HD11	1:89:B:MET:HG3	20	1.52	0.21	1.49
(1,4095)	1:17:A:LEU:HD13	1:89:B:MET:HG3	20	1.52	0.21	1.49
(1,4095)	1:17:A:LEU:HD12	1:89:B:MET:HG3	20	1.52	0.21	1.49
(1,4845)	1:97:A:LYS:HE2	1:95:A:PHE:HB3	20	1.51	0.48	1.54
(1,4845)	1:66:A:LYS:HE2	1:62:A:ARG:HD3	20	1.51	0.48	1.54
(1,4845)	1:97:A:LYS:HE3	1:95:A:PHE:HB3	20	1.51	0.48	1.54
(1,4845)	1:97:A:LYS:HE3	1:95:A:PHE:HB2	20	1.51	0.48	1.54
(1,4845)	1:52:A:LYS:HE3	1:50:A:PHE:HB3	20	1.51	0.48	1.54
(1,4845)	1:52:A:LYS:HE2	1:50:A:PHE:HB3	20	1.51	0.48	1.54
(1,4846)	1:97:B:LYS:HE2	1:95:B:PHE:HB3	20	1.51	0.48	1.54
(1,4846)	1:66:B:LYS:HE2	1:62:B:ARG:HD3	20	1.51	0.48	1.54
(1,4846)	1:97:B:LYS:HE3	1:95:B:PHE:HB3	20	1.51	0.48	1.54
(1,4846)	1:97:B:LYS:HE3	1:95:B:PHE:HB2	20	1.51	0.48	1.54
(1,4846)	1:52:B:LYS:HE3	1:50:B:PHE:HB3	20	1.51	0.48	1.54
(1,4846)	1:52:B:LYS:HE2	1:50:B:PHE:HB3	20	1.51	0.48	1.54
(1,4194)	1:81:B:LEU:HD22	1:85:A:GLY:H	20	1.46	0.12	1.48
(1,4194)	1:85:B:GLY:H	1:81:B:LEU:HD21	20	1.46	0.12	1.48
(1,4194)	1:85:B:GLY:H	1:81:B:LEU:HD22	20	1.46	0.12	1.48
(1,4194)	1:81:B:LEU:HD23	1:85:A:GLY:H	20	1.46	0.12	1.48
(1,4194)	1:81:B:LEU:HD22	1:80:B:PHE:H	20	1.46	0.12	1.48
(1,4194)	1:81:B:LEU:HD21	1:85:A:GLY:H	20	1.46	0.12	1.48
(1,4194)	1:81:B:LEU:HD21	1:80:B:PHE:H	20	1.46	0.12	1.48
(1,4193)	1:81:A:LEU:HD22	1:85:B:GLY:H	20	1.46	0.12	1.48
(1,4193)	1:85:A:GLY:H	1:81:A:LEU:HD21	20	1.46	0.12	1.48
(1,4193)	1:85:A:GLY:H	1:81:A:LEU:HD22	20	1.46	0.12	1.48
(1,4193)	1:81:A:LEU:HD23	1:85:B:GLY:H	20	1.46	0.12	1.48
(1,4193)	1:81:A:LEU:HD22	1:80:A:PHE:H	20	1.46	0.12	1.48
(1,4193)	1:81:A:LEU:HD21	1:85:B:GLY:H	20	1.46	0.12	1.48
(1,4193)	1:81:A:LEU:HD21	1:80:A:PHE:H	20	1.46	0.12	1.48
(1,3661)	1:10:A:THR:HA	1:81:B:LEU:HD21	20	1.46	0.12	1.42
(1,3661)	1:10:A:THR:HA	1:81:B:LEU:HD22	20	1.46	0.12	1.42
(1,3661)	1:10:A:THR:HA	1:81:B:LEU:HD23	20	1.46	0.12	1.42
(1,3662)	1:10:B:THR:HA	1:81:A:LEU:HD21	20	1.46	0.12	1.43

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3662)	1:10:B:THR:HA	1:81:A:LEU:HD22	20	1.46	0.12	1.43
(1,3662)	1:10:B:THR:HA	1:81:A:LEU:HD23	20	1.46	0.12	1.43
(1,4135)	1:20:A:VAL:HB	1:34:A:LEU:HD23	20	1.45	0.44	1.36
(1,4135)	1:20:A:VAL:HB	1:34:A:LEU:HD22	20	1.45	0.44	1.36
(1,4135)	1:20:A:VAL:HB	1:34:A:LEU:HD21	20	1.45	0.44	1.36
(1,4135)	1:20:A:VAL:HB	1:18:A:ILE:HG22	20	1.45	0.44	1.36
(1,4167)	1:20:A:VAL:HB	1:34:A:LEU:HD23	20	1.45	0.44	1.36
(1,4167)	1:20:A:VAL:HB	1:34:A:LEU:HD22	20	1.45	0.44	1.36
(1,4167)	1:20:A:VAL:HB	1:34:A:LEU:HD21	20	1.45	0.44	1.36
(1,4167)	1:20:A:VAL:HB	1:18:A:ILE:HG22	20	1.45	0.44	1.36
(1,5297)	1:26:A:GLY:H	1:23:A:LYS:HD3	20	1.45	0.22	1.5
(1,5297)	1:26:A:GLY:H	1:23:A:LYS:HD2	20	1.45	0.22	1.5
(1,5297)	1:26:A:GLY:H	1:34:A:LEU:HB3	20	1.45	0.22	1.5
(1,5299)	1:26:A:GLY:H	1:23:A:LYS:HD3	20	1.45	0.22	1.5
(1,5299)	1:26:A:GLY:H	1:23:A:LYS:HD2	20	1.45	0.22	1.5
(1,5299)	1:26:A:GLY:H	1:34:A:LEU:HB3	20	1.45	0.22	1.5
(1,5298)	1:26:B:GLY:H	1:23:B:LYS:HD3	20	1.45	0.22	1.5
(1,5298)	1:26:B:GLY:H	1:23:B:LYS:HD2	20	1.45	0.22	1.5
(1,5298)	1:26:B:GLY:H	1:34:B:LEU:HB3	20	1.45	0.22	1.5
(1,5300)	1:26:B:GLY:H	1:23:B:LYS:HD3	20	1.45	0.22	1.5
(1,5300)	1:26:B:GLY:H	1:23:B:LYS:HD2	20	1.45	0.22	1.5
(1,5300)	1:26:B:GLY:H	1:34:B:LEU:HB3	20	1.45	0.22	1.5
(1,4136)	1:20:B:VAL:HB	1:34:B:LEU:HD23	20	1.45	0.44	1.36
(1,4136)	1:20:B:VAL:HB	1:34:B:LEU:HD22	20	1.45	0.44	1.36
(1,4136)	1:20:B:VAL:HB	1:34:B:LEU:HD21	20	1.45	0.44	1.36
(1,4136)	1:20:B:VAL:HB	1:18:B:ILE:HG22	20	1.45	0.44	1.36
(1,4168)	1:20:B:VAL:HB	1:34:B:LEU:HD23	20	1.45	0.44	1.36
(1,4168)	1:20:B:VAL:HB	1:34:B:LEU:HD22	20	1.45	0.44	1.36
(1,4168)	1:20:B:VAL:HB	1:34:B:LEU:HD21	20	1.45	0.44	1.36
(1,4168)	1:20:B:VAL:HB	1:18:B:ILE:HG22	20	1.45	0.44	1.36
(1,5416)	1:69:B:THR:H	1:75:B:LEU:HB2	20	1.44	0.15	1.48
(1,5415)	1:69:A:THR:H	1:75:A:LEU:HB2	20	1.44	0.15	1.48
(1,5292)	1:94:B:SER:H	1:96:B:LEU:HB3	20	1.43	0.07	1.44
(1,5292)	1:94:B:SER:H	1:98:B:ALA:HB1	20	1.43	0.07	1.44
(1,5292)	1:94:B:SER:H	1:98:B:ALA:HB2	20	1.43	0.07	1.44
(1,5292)	1:94:B:SER:H	1:98:B:ALA:HB3	20	1.43	0.07	1.44
(1,5291)	1:94:A:SER:H	1:96:A:LEU:HB3	20	1.43	0.07	1.44
(1,5291)	1:94:A:SER:H	1:98:A:ALA:HB1	20	1.43	0.07	1.44
(1,5291)	1:94:A:SER:H	1:98:A:ALA:HB2	20	1.43	0.07	1.44
(1,5291)	1:94:A:SER:H	1:98:A:ALA:HB3	20	1.43	0.07	1.44
(1,4353)	1:12:A:ARG:HB2	1:17:A:LEU:H	20	1.41	0.11	1.42
(1,4354)	1:12:B:ARG:HB2	1:17:B:LEU:H	20	1.41	0.11	1.42

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3568)	1:17:B:LEU:HG	1:21:B:PHE:HB3	20	1.41	0.13	1.42
(1,3568)	1:17:B:LEU:HG	1:15:B:GLU:HG2	20	1.41	0.13	1.42
(1,5462)	1:45:B:THR:H	1:51:B:THR:HG22	20	1.41	0.17	1.42
(1,5462)	1:45:B:THR:H	1:51:B:THR:HG21	20	1.41	0.17	1.42
(1,5462)	1:45:B:THR:H	1:51:B:THR:HG23	20	1.41	0.17	1.42
(1,5462)	1:45:B:THR:H	1:46:B:GLU:HB3	20	1.41	0.17	1.42
(1,5462)	1:45:B:THR:H	1:60:B:LEU:HD13	20	1.41	0.17	1.42
(1,5461)	1:45:A:THR:H	1:51:A:THR:HG22	20	1.41	0.17	1.41
(1,5461)	1:45:A:THR:H	1:51:A:THR:HG21	20	1.41	0.17	1.41
(1,5461)	1:45:A:THR:H	1:51:A:THR:HG23	20	1.41	0.17	1.41
(1,5461)	1:45:A:THR:H	1:46:A:GLU:HB3	20	1.41	0.17	1.41
(1,5461)	1:45:A:THR:H	1:60:A:LEU:HD13	20	1.41	0.17	1.41
(1,3567)	1:17:A:LEU:HG	1:21:A:PHE:HB3	20	1.41	0.13	1.42
(1,3567)	1:17:A:LEU:HG	1:15:A:GLU:HG2	20	1.41	0.13	1.42
(1,4826)	1:19:B:ALA:HB1	1:9:A:GLU:HB3	20	1.4	0.11	1.42
(1,4826)	1:89:B:MET:HB2	1:90:B:ALA:HB3	20	1.4	0.11	1.42
(1,4826)	1:89:B:MET:HB2	1:90:B:ALA:HB1	20	1.4	0.11	1.42
(1,4826)	1:89:B:MET:HB2	1:90:B:ALA:HB2	20	1.4	0.11	1.42
(1,4826)	1:88:B:ALA:HB1	1:89:B:MET:HB2	20	1.4	0.11	1.42
(1,4826)	1:88:B:ALA:HB3	1:89:B:MET:HB2	20	1.4	0.11	1.42
(1,4825)	1:19:A:ALA:HB1	1:9:B:GLU:HB3	20	1.4	0.11	1.41
(1,4825)	1:89:A:MET:HB2	1:90:A:ALA:HB3	20	1.4	0.11	1.41
(1,4825)	1:89:A:MET:HB2	1:90:A:ALA:HB1	20	1.4	0.11	1.41
(1,4825)	1:89:A:MET:HB2	1:90:A:ALA:HB2	20	1.4	0.11	1.41
(1,4825)	1:88:A:ALA:HB1	1:89:A:MET:HB2	20	1.4	0.11	1.41
(1,4825)	1:88:A:ALA:HB3	1:89:A:MET:HB2	20	1.4	0.11	1.41
(1,3394)	1:81:B:LEU:HD13	1:87:A:LEU:HD13	20	1.4	0.26	1.44
(1,3394)	1:81:B:LEU:HD12	1:87:A:LEU:HD11	20	1.4	0.26	1.44
(1,3394)	1:81:B:LEU:HD11	1:87:A:LEU:HD11	20	1.4	0.26	1.44
(1,3394)	1:81:B:LEU:HD12	1:87:A:LEU:HD13	20	1.4	0.26	1.44
(1,3394)	1:81:B:LEU:HD11	1:87:A:LEU:HD12	20	1.4	0.26	1.44
(1,3394)	1:81:B:LEU:HD13	1:87:A:LEU:HD12	20	1.4	0.26	1.44
(1,3394)	1:81:B:LEU:HD13	1:87:A:LEU:HD11	20	1.4	0.26	1.44
(1,3394)	1:81:B:LEU:HD13	1:81:A:LEU:HD21	20	1.4	0.26	1.44
(1,3394)	1:81:B:LEU:HD13	1:81:A:LEU:HD23	20	1.4	0.26	1.44
(1,3394)	1:81:B:LEU:HD11	1:87:A:LEU:HD13	20	1.4	0.26	1.44
(1,3394)	1:81:B:LEU:HD12	1:87:A:LEU:HD12	20	1.4	0.26	1.44
(1,3393)	1:81:A:LEU:HD13	1:87:B:LEU:HD13	20	1.4	0.26	1.44
(1,3393)	1:81:A:LEU:HD12	1:87:B:LEU:HD11	20	1.4	0.26	1.44
(1,3393)	1:81:A:LEU:HD11	1:87:B:LEU:HD11	20	1.4	0.26	1.44
(1,3393)	1:81:A:LEU:HD12	1:87:B:LEU:HD13	20	1.4	0.26	1.44
(1,3393)	1:81:A:LEU:HD11	1:87:B:LEU:HD12	20	1.4	0.26	1.44

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3393)	1:81:A:LEU:HD13	1:87:B:LEU:HD12	20	1.4	0.26	1.44
(1,3393)	1:81:A:LEU:HD13	1:87:B:LEU:HD11	20	1.4	0.26	1.44
(1,3393)	1:81:A:LEU:HD13	1:81:B:LEU:HD21	20	1.4	0.26	1.44
(1,3393)	1:81:A:LEU:HD13	1:81:B:LEU:HD23	20	1.4	0.26	1.44
(1,3393)	1:81:A:LEU:HD11	1:87:B:LEU:HD13	20	1.4	0.26	1.44
(1,3393)	1:81:A:LEU:HD12	1:87:B:LEU:HD12	20	1.4	0.26	1.44
(1,3734)	1:90:B:ALA:HA	1:87:B:LEU:HD21	20	1.39	0.24	1.38
(1,3734)	1:90:B:ALA:HA	1:87:B:LEU:HD23	20	1.39	0.24	1.38
(1,3734)	1:90:B:ALA:HA	1:87:B:LEU:HD22	20	1.39	0.24	1.38
(1,3348)	1:14:B:ILE:HD12	1:47:A:LEU:HB2	20	1.39	0.2	1.38
(1,3348)	1:14:B:ILE:HD11	1:47:A:LEU:HB2	20	1.39	0.2	1.38
(1,3348)	1:14:B:ILE:HD13	1:47:A:LEU:HB2	20	1.39	0.2	1.38
(1,3733)	1:90:A:ALA:HA	1:87:A:LEU:HD21	20	1.39	0.24	1.38
(1,3733)	1:90:A:ALA:HA	1:87:A:LEU:HD23	20	1.39	0.24	1.38
(1,3733)	1:90:A:ALA:HA	1:87:A:LEU:HD22	20	1.39	0.24	1.38
(1,3347)	1:14:A:ILE:HD12	1:47:B:LEU:HB2	20	1.39	0.2	1.38
(1,3347)	1:14:A:ILE:HD11	1:47:B:LEU:HB2	20	1.39	0.2	1.38
(1,3347)	1:14:A:ILE:HD13	1:47:B:LEU:HB2	20	1.39	0.2	1.38
(1,4243)	1:91:A:CYS:HA	1:97:A:LYS:HB2	20	1.35	0.31	1.45
(1,4243)	1:91:A:CYS:HA	1:97:A:LYS:HD3	20	1.35	0.31	1.45
(1,4243)	1:91:A:CYS:HA	1:18:B:ILE:HB	20	1.35	0.31	1.45
(1,4243)	1:91:A:CYS:HA	1:97:A:LYS:HD2	20	1.35	0.31	1.45
(1,4012)	1:81:B:LEU:HD23	1:89:A:MET:HG3	20	1.35	0.2	1.35
(1,4012)	1:81:B:LEU:HD22	1:89:A:MET:HG3	20	1.35	0.2	1.35
(1,4012)	1:81:B:LEU:HD21	1:89:A:MET:HG3	20	1.35	0.2	1.35
(1,4012)	1:81:B:LEU:HD21	1:21:B:PHE:HB3	20	1.35	0.2	1.35
(1,4244)	1:91:B:CYS:HA	1:97:B:LYS:HB2	20	1.35	0.3	1.44
(1,4244)	1:91:B:CYS:HA	1:97:B:LYS:HD3	20	1.35	0.3	1.44
(1,4244)	1:91:B:CYS:HA	1:18:A:ILE:HB	20	1.35	0.3	1.44
(1,4244)	1:91:B:CYS:HA	1:97:B:LYS:HD2	20	1.35	0.3	1.44
(1,4011)	1:81:A:LEU:HD23	1:89:B:MET:HG3	20	1.35	0.2	1.35
(1,4011)	1:81:A:LEU:HD22	1:89:B:MET:HG3	20	1.35	0.2	1.35
(1,4011)	1:81:A:LEU:HD21	1:89:B:MET:HG3	20	1.35	0.2	1.35
(1,4011)	1:81:A:LEU:HD21	1:21:A:PHE:HB3	20	1.35	0.2	1.35
(1,4688)	1:61:B:ASP:H	1:60:B:LEU:HD22	20	1.32	0.14	1.34
(1,4688)	1:61:B:ASP:H	1:60:B:LEU:HD23	20	1.32	0.14	1.34
(1,4688)	1:61:B:ASP:H	1:60:B:LEU:HD21	20	1.32	0.14	1.34
(1,4688)	1:61:B:ASP:H	1:40:B:LEU:HD23	20	1.32	0.14	1.34
(1,4688)	1:41:B:SER:H	1:40:B:LEU:HD22	20	1.32	0.14	1.34
(1,4688)	1:61:B:ASP:H	1:40:B:LEU:HD21	20	1.32	0.14	1.34
(1,4688)	1:61:B:ASP:H	1:40:B:LEU:HD22	20	1.32	0.14	1.34
(1,4687)	1:61:A:ASP:H	1:60:A:LEU:HD22	20	1.32	0.14	1.34

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4687)	1:61:A:ASP:H	1:60:A:LEU:HD23	20	1.32	0.14	1.34
(1,4687)	1:61:A:ASP:H	1:60:A:LEU:HD21	20	1.32	0.14	1.34
(1,4687)	1:61:A:ASP:H	1:40:A:LEU:HD23	20	1.32	0.14	1.34
(1,4687)	1:41:A:SER:H	1:40:A:LEU:HD22	20	1.32	0.14	1.34
(1,4687)	1:61:A:ASP:H	1:40:A:LEU:HD21	20	1.32	0.14	1.34
(1,4687)	1:61:A:ASP:H	1:40:A:LEU:HD22	20	1.32	0.14	1.34
(1,4369)	1:75:A:LEU:HB2	1:67:A:LEU:HD12	20	1.31	0.07	1.33
(1,4369)	1:75:A:LEU:HB2	1:67:A:LEU:HD13	20	1.31	0.07	1.33
(1,4369)	1:75:A:LEU:HB2	1:67:A:LEU:HD11	20	1.31	0.07	1.33
(1,4370)	1:75:B:LEU:HB2	1:67:B:LEU:HD12	20	1.31	0.07	1.33
(1,4370)	1:75:B:LEU:HB2	1:67:B:LEU:HD13	20	1.31	0.07	1.33
(1,4370)	1:75:B:LEU:HB2	1:67:B:LEU:HD11	20	1.31	0.07	1.33
(1,87)	1:15:A:GLU:HB2	1:9:B:GLU:HG3	20	1.29	0.19	1.38
(1,87)	1:15:A:GLU:HB2	1:9:B:GLU:HG2	20	1.29	0.19	1.38
(1,89)	1:15:A:GLU:HB2	1:9:B:GLU:HG3	20	1.29	0.19	1.38
(1,89)	1:15:A:GLU:HB2	1:9:B:GLU:HG2	20	1.29	0.19	1.38
(1,88)	1:15:B:GLU:HB2	1:9:A:GLU:HG3	20	1.29	0.19	1.37
(1,88)	1:15:B:GLU:HB2	1:9:A:GLU:HG2	20	1.29	0.19	1.37
(1,90)	1:15:B:GLU:HB2	1:9:A:GLU:HG3	20	1.29	0.19	1.37
(1,90)	1:15:B:GLU:HB2	1:9:A:GLU:HG2	20	1.29	0.19	1.37
(1,4939)	1:83:A:LEU:HD11	1:82:A:ASN:H	20	1.28	0.04	1.28
(1,4939)	1:83:A:LEU:HD13	1:82:A:ASN:H	20	1.28	0.04	1.28
(1,4939)	1:83:A:LEU:HD12	1:82:A:ASN:H	20	1.28	0.04	1.28
(1,4940)	1:83:B:LEU:HD11	1:82:B:ASN:H	20	1.28	0.04	1.28
(1,4940)	1:83:B:LEU:HD13	1:82:B:ASN:H	20	1.28	0.04	1.28
(1,4940)	1:83:B:LEU:HD12	1:82:B:ASN:H	20	1.28	0.04	1.28
(1,5195)	1:73:A:GLY:H	1:69:A:THR:HG23	20	1.27	0.12	1.27
(1,5195)	1:73:A:GLY:H	1:69:A:THR:HG21	20	1.27	0.12	1.27
(1,5195)	1:73:A:GLY:H	1:69:A:THR:HG22	20	1.27	0.12	1.27
(1,5196)	1:73:B:GLY:H	1:69:B:THR:HG23	20	1.27	0.12	1.27
(1,5196)	1:73:B:GLY:H	1:69:B:THR:HG21	20	1.27	0.12	1.27
(1,5196)	1:73:B:GLY:H	1:69:B:THR:HG22	20	1.27	0.12	1.27
(1,4010)	1:59:B:VAL:HG21	1:87:B:LEU:HD23	20	1.27	0.26	1.32
(1,4010)	1:59:B:VAL:HG23	1:87:B:LEU:HD22	20	1.27	0.26	1.32
(1,4010)	1:59:B:VAL:HG22	1:87:B:LEU:HD22	20	1.27	0.26	1.32
(1,4010)	1:59:B:VAL:HG22	1:87:B:LEU:HD21	20	1.27	0.26	1.32
(1,4010)	1:59:B:VAL:HG21	1:87:B:LEU:HD22	20	1.27	0.26	1.32
(1,4010)	1:59:B:VAL:HG23	1:87:B:LEU:HD23	20	1.27	0.26	1.32
(1,4010)	1:59:B:VAL:HG23	1:87:B:LEU:HD21	20	1.27	0.26	1.32
(1,4010)	1:59:B:VAL:HG21	1:87:B:LEU:HD21	20	1.27	0.26	1.32
(1,4009)	1:59:A:VAL:HG21	1:87:A:LEU:HD23	20	1.27	0.26	1.32
(1,4009)	1:59:A:VAL:HG23	1:87:A:LEU:HD22	20	1.27	0.26	1.32

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4009)	1:59:A:VAL:HG22	1:87:A:LEU:HD22	20	1.27	0.26	1.32
(1,4009)	1:59:A:VAL:HG22	1:87:A:LEU:HD21	20	1.27	0.26	1.32
(1,4009)	1:59:A:VAL:HG21	1:87:A:LEU:HD22	20	1.27	0.26	1.32
(1,4009)	1:59:A:VAL:HG23	1:87:A:LEU:HD23	20	1.27	0.26	1.32
(1,4009)	1:59:A:VAL:HG23	1:87:A:LEU:HD21	20	1.27	0.26	1.32
(1,4009)	1:59:A:VAL:HG21	1:87:A:LEU:HD21	20	1.27	0.26	1.32
(1,3487)	1:10:A:THR:HB	1:81:B:LEU:HD21	20	1.25	0.13	1.24
(1,3487)	1:10:A:THR:HB	1:81:B:LEU:HD22	20	1.25	0.13	1.24
(1,3487)	1:10:A:THR:HB	1:81:B:LEU:HD23	20	1.25	0.13	1.24
(1,3488)	1:10:B:THR:HB	1:81:A:LEU:HD21	20	1.25	0.13	1.25
(1,3488)	1:10:B:THR:HB	1:81:A:LEU:HD22	20	1.25	0.13	1.25
(1,3488)	1:10:B:THR:HB	1:81:A:LEU:HD23	20	1.25	0.13	1.25
(2,145)	1:15:A:GLU:HG2	1:11:A:GLU:HG2	20	1.24	0.17	1.26
(1,3600)	1:37:B:THR:HG21	1:40:B:LEU:HA	20	1.24	0.11	1.27
(1,3600)	1:37:B:THR:HG22	1:40:B:LEU:HA	20	1.24	0.11	1.27
(1,3600)	1:37:B:THR:HG23	1:40:B:LEU:HA	20	1.24	0.11	1.27
(2,146)	1:15:B:GLU:HG2	1:11:B:GLU:HG2	20	1.24	0.17	1.25
(1,3599)	1:37:A:THR:HG21	1:40:A:LEU:HA	20	1.24	0.11	1.27
(1,3599)	1:37:A:THR:HG22	1:40:A:LEU:HA	20	1.24	0.11	1.27
(1,3599)	1:37:A:THR:HG23	1:40:A:LEU:HA	20	1.24	0.11	1.27
(1,4632)	1:61:B:ASP:H	1:60:B:LEU:HD22	20	1.22	0.14	1.23
(1,4632)	1:61:B:ASP:H	1:60:B:LEU:HD23	20	1.22	0.14	1.23
(1,4632)	1:61:B:ASP:H	1:60:B:LEU:HD21	20	1.22	0.14	1.23
(1,4632)	1:61:B:ASP:H	1:40:B:LEU:HD23	20	1.22	0.14	1.23
(1,4632)	1:61:B:ASP:H	1:40:B:LEU:HD21	20	1.22	0.14	1.23
(1,4632)	1:61:B:ASP:H	1:40:B:LEU:HD22	20	1.22	0.14	1.23
(1,4631)	1:61:A:ASP:H	1:60:A:LEU:HD22	20	1.22	0.14	1.23
(1,4631)	1:61:A:ASP:H	1:60:A:LEU:HD23	20	1.22	0.14	1.23
(1,4631)	1:61:A:ASP:H	1:60:A:LEU:HD21	20	1.22	0.14	1.23
(1,4631)	1:61:A:ASP:H	1:40:A:LEU:HD23	20	1.22	0.14	1.23
(1,4631)	1:61:A:ASP:H	1:40:A:LEU:HD21	20	1.22	0.14	1.23
(1,4631)	1:61:A:ASP:H	1:40:A:LEU:HD22	20	1.22	0.14	1.23
(1,485)	1:59:A:VAL:H	1:62:A:ARG:HG2	20	1.19	0.09	1.23
(1,486)	1:59:B:VAL:H	1:62:B:ARG:HG2	20	1.19	0.09	1.22
(1,4840)	1:68:B:ASP:HB2	1:72:B:ASP:HB2	20	1.18	0.22	1.25
(1,4840)	1:80:B:PHE:HB3	1:39:B:PHE:HB3	20	1.18	0.22	1.25
(1,4840)	1:68:B:ASP:HB2	1:39:B:PHE:HB3	20	1.18	0.22	1.25
(1,4839)	1:68:A:ASP:HB2	1:72:A:ASP:HB2	20	1.18	0.22	1.23
(1,4839)	1:80:A:PHE:HB3	1:39:A:PHE:HB3	20	1.18	0.22	1.23
(1,4839)	1:68:A:ASP:HB2	1:39:A:PHE:HB3	20	1.18	0.22	1.23
(1,4229)	1:91:A:CYS:HB3	1:14:B:ILE:HB	20	1.16	0.2	1.14
(1,4229)	1:14:A:ILE:HB	1:13:A:CYS:HB3	20	1.16	0.2	1.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4229)	1:91:A:CYS:HB2	1:14:B:ILE:HB	20	1.16	0.2	1.14
(1,4230)	1:91:B:CYS:HB3	1:14:A:ILE:HB	20	1.16	0.2	1.14
(1,4230)	1:14:B:ILE:HB	1:13:B:CYS:HB3	20	1.16	0.2	1.14
(1,4230)	1:91:B:CYS:HB2	1:14:A:ILE:HB	20	1.16	0.2	1.14
(1,358)	1:73:B:GLY:HA2	1:72:B:ASP:HB2	20	1.15	0.1	1.18
(1,1596)	1:84:B:ILE:HB	1:81:B:LEU:HB2	20	1.15	0.05	1.15
(1,1595)	1:84:A:ILE:HB	1:81:A:LEU:HB2	20	1.15	0.05	1.15
(1,357)	1:73:A:GLY:HA2	1:72:A:ASP:HB2	20	1.15	0.1	1.18
(1,412)	1:62:B:ARG:HD2	1:59:B:VAL:HG12	20	1.14	0.56	1.34
(1,412)	1:62:B:ARG:HD2	1:59:B:VAL:HG11	20	1.14	0.56	1.34
(1,412)	1:62:B:ARG:HD2	1:59:B:VAL:HG13	20	1.14	0.56	1.34
(1,411)	1:62:A:ARG:HD2	1:59:A:VAL:HG12	20	1.14	0.56	1.34
(1,411)	1:62:A:ARG:HD2	1:59:A:VAL:HG11	20	1.14	0.56	1.34
(1,411)	1:62:A:ARG:HD2	1:59:A:VAL:HG13	20	1.14	0.56	1.34
(1,2138)	1:47:B:LEU:HB2	1:50:B:PHE:HB3	20	1.13	0.13	1.16
(1,2138)	1:47:B:LEU:HB2	1:50:B:PHE:HB2	20	1.13	0.13	1.16
(1,2137)	1:47:A:LEU:HB2	1:50:A:PHE:HB3	20	1.13	0.13	1.16
(1,2137)	1:47:A:LEU:HB2	1:50:A:PHE:HB2	20	1.13	0.13	1.16
(1,5650)	1:18:B:ILE:H	1:14:B:ILE:HG22	20	1.13	0.13	1.17
(1,5650)	1:18:B:ILE:H	1:17:B:LEU:HD13	20	1.13	0.13	1.17
(1,5650)	1:18:B:ILE:H	1:17:B:LEU:HD12	20	1.13	0.13	1.17
(1,5650)	1:18:B:ILE:H	1:17:B:LEU:HD11	20	1.13	0.13	1.17
(1,5650)	1:18:B:ILE:H	1:14:B:ILE:HG21	20	1.13	0.13	1.17
(1,5650)	1:18:B:ILE:H	1:14:B:ILE:HG23	20	1.13	0.13	1.17
(1,5649)	1:18:A:ILE:H	1:14:A:ILE:HG22	20	1.13	0.13	1.17
(1,5649)	1:18:A:ILE:H	1:17:A:LEU:HD13	20	1.13	0.13	1.17
(1,5649)	1:18:A:ILE:H	1:17:A:LEU:HD12	20	1.13	0.13	1.17
(1,5649)	1:18:A:ILE:H	1:17:A:LEU:HD11	20	1.13	0.13	1.17
(1,5649)	1:18:A:ILE:H	1:14:A:ILE:HG21	20	1.13	0.13	1.17
(1,5649)	1:18:A:ILE:H	1:14:A:ILE:HG23	20	1.13	0.13	1.17
(1,3781)	1:16:A:SER:H	1:14:A:ILE:HD12	20	1.13	0.06	1.12
(1,3781)	1:16:A:SER:H	1:14:A:ILE:HD11	20	1.13	0.06	1.12
(1,3781)	1:16:A:SER:H	1:14:A:ILE:HD13	20	1.13	0.06	1.12
(1,3782)	1:16:B:SER:H	1:14:B:ILE:HD12	20	1.13	0.06	1.12
(1,3782)	1:16:B:SER:H	1:14:B:ILE:HD11	20	1.13	0.06	1.12
(1,3782)	1:16:B:SER:H	1:14:B:ILE:HD13	20	1.13	0.06	1.12
(1,4397)	1:13:A:CYS:HB2	1:17:B:LEU:HD12	20	1.12	0.5	1.4
(1,4397)	1:13:A:CYS:HB2	1:17:B:LEU:HD11	20	1.12	0.5	1.4
(1,4397)	1:13:A:CYS:HB2	1:17:B:LEU:HD13	20	1.12	0.5	1.4
(1,4398)	1:13:B:CYS:HB2	1:17:A:LEU:HD12	20	1.12	0.5	1.4
(1,4398)	1:13:B:CYS:HB2	1:17:A:LEU:HD11	20	1.12	0.5	1.4
(1,4398)	1:13:B:CYS:HB2	1:17:A:LEU:HD13	20	1.12	0.5	1.4

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3364)	1:81:B:LEU:HD22	1:81:A:LEU:HA	20	1.12	0.25	1.12
(1,3364)	1:81:B:LEU:HD23	1:81:A:LEU:HA	20	1.12	0.25	1.12
(1,3364)	1:81:B:LEU:HD22	1:13:A:CYS:HB2	20	1.12	0.25	1.12
(1,3364)	1:81:B:LEU:HD21	1:81:A:LEU:HA	20	1.12	0.25	1.12
(1,3364)	1:81:B:LEU:HD23	1:13:A:CYS:HB2	20	1.12	0.25	1.12
(1,3363)	1:81:A:LEU:HD22	1:81:B:LEU:HA	20	1.11	0.25	1.12
(1,3363)	1:81:A:LEU:HD23	1:81:B:LEU:HA	20	1.11	0.25	1.12
(1,3363)	1:81:A:LEU:HD22	1:13:B:CYS:HB2	20	1.11	0.25	1.12
(1,3363)	1:81:A:LEU:HD21	1:81:B:LEU:HA	20	1.11	0.25	1.12
(1,3363)	1:81:A:LEU:HD23	1:13:B:CYS:HB2	20	1.11	0.25	1.12
(1,3618)	1:37:B:THR:HB	1:34:B:LEU:HD21	20	1.11	0.12	1.12
(1,3618)	1:37:B:THR:HB	1:34:B:LEU:HD23	20	1.11	0.12	1.12
(1,3618)	1:37:B:THR:HB	1:34:B:LEU:HD22	20	1.11	0.12	1.12
(1,3618)	1:51:B:THR:HB	1:87:B:LEU:HD21	20	1.11	0.12	1.12
(1,3618)	1:51:B:THR:HB	1:87:B:LEU:HD23	20	1.11	0.12	1.12
(1,3617)	1:37:A:THR:HB	1:34:A:LEU:HD21	20	1.11	0.12	1.12
(1,3617)	1:37:A:THR:HB	1:34:A:LEU:HD23	20	1.11	0.12	1.12
(1,3617)	1:37:A:THR:HB	1:34:A:LEU:HD22	20	1.11	0.12	1.12
(1,3617)	1:51:A:THR:HB	1:87:A:LEU:HD21	20	1.11	0.12	1.12
(1,3617)	1:51:A:THR:HB	1:87:A:LEU:HD23	20	1.11	0.12	1.12
(1,3776)	1:49:B:ALA:HB1	1:87:B:LEU:HD22	20	1.1	0.09	1.1
(1,3776)	1:49:B:ALA:HB2	1:87:B:LEU:HD21	20	1.1	0.09	1.1
(1,3776)	1:49:B:ALA:HB1	1:87:B:LEU:HD21	20	1.1	0.09	1.1
(1,3776)	1:49:B:ALA:HB2	1:87:B:LEU:HD23	20	1.1	0.09	1.1
(1,3776)	1:49:B:ALA:HB3	1:87:B:LEU:HD21	20	1.1	0.09	1.1
(1,3776)	1:49:B:ALA:HB3	1:87:B:LEU:HD23	20	1.1	0.09	1.1
(1,3776)	1:49:B:ALA:HB2	1:87:B:LEU:HD22	20	1.1	0.09	1.1
(1,3776)	1:49:B:ALA:HB1	1:87:B:LEU:HD23	20	1.1	0.09	1.1
(1,3775)	1:49:A:ALA:HB1	1:87:A:LEU:HD22	20	1.1	0.08	1.09
(1,3775)	1:49:A:ALA:HB2	1:87:A:LEU:HD21	20	1.1	0.08	1.09
(1,3775)	1:49:A:ALA:HB1	1:87:A:LEU:HD21	20	1.1	0.08	1.09
(1,3775)	1:49:A:ALA:HB2	1:87:A:LEU:HD23	20	1.1	0.08	1.09
(1,3775)	1:49:A:ALA:HB3	1:87:A:LEU:HD21	20	1.1	0.08	1.09
(1,3775)	1:49:A:ALA:HB3	1:87:A:LEU:HD23	20	1.1	0.08	1.09
(1,3775)	1:49:A:ALA:HB2	1:87:A:LEU:HD22	20	1.1	0.08	1.09
(1,3775)	1:49:A:ALA:HB1	1:87:A:LEU:HD23	20	1.1	0.08	1.09
(1,4007)	1:12:A:ARG:H	1:14:A:ILE:HD12	20	1.1	0.06	1.11
(1,4007)	1:12:A:ARG:H	1:14:A:ILE:HD11	20	1.1	0.06	1.11
(1,4007)	1:12:A:ARG:H	1:14:A:ILE:HD13	20	1.1	0.06	1.11
(1,4008)	1:12:B:ARG:H	1:14:B:ILE:HD12	20	1.1	0.06	1.11
(1,4008)	1:12:B:ARG:H	1:14:B:ILE:HD11	20	1.1	0.06	1.11
(1,4008)	1:12:B:ARG:H	1:14:B:ILE:HD13	20	1.1	0.06	1.11

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2239)	1:47:A:LEU:HB2	1:47:A:LEU:HD21	20	1.09	0.02	1.1
(1,2239)	1:47:A:LEU:HB2	1:47:A:LEU:HD23	20	1.09	0.02	1.1
(1,2239)	1:47:A:LEU:HB2	1:47:A:LEU:HD22	20	1.09	0.02	1.1
(1,2240)	1:47:B:LEU:HB2	1:47:B:LEU:HD21	20	1.09	0.02	1.1
(1,2240)	1:47:B:LEU:HB2	1:47:B:LEU:HD23	20	1.09	0.02	1.1
(1,2240)	1:47:B:LEU:HB2	1:47:B:LEU:HD22	20	1.09	0.02	1.1
(1,4327)	1:15:A:GLU:HG3	1:88:B:ALA:HB2	20	1.09	0.22	1.05
(1,4327)	1:15:A:GLU:HG3	1:88:B:ALA:HB3	20	1.09	0.22	1.05
(1,4327)	1:15:A:GLU:HG3	1:88:B:ALA:HB1	20	1.09	0.22	1.05
(1,4327)	1:15:A:GLU:HG3	1:19:A:ALA:HB2	20	1.09	0.22	1.05
(1,4328)	1:15:B:GLU:HG3	1:88:A:ALA:HB2	20	1.09	0.23	1.06
(1,4328)	1:15:B:GLU:HG3	1:88:A:ALA:HB3	20	1.09	0.23	1.06
(1,4328)	1:15:B:GLU:HG3	1:88:A:ALA:HB1	20	1.09	0.23	1.06
(1,4328)	1:15:B:GLU:HG3	1:19:B:ALA:HB2	20	1.09	0.23	1.06
(1,3953)	1:68:A:ASP:HB3	1:75:A:LEU:HB3	20	1.08	0.29	1.16
(1,3953)	1:77:A:PHE:HB2	1:17:A:LEU:HB3	20	1.08	0.29	1.16
(1,3953)	1:68:A:ASP:HB3	1:66:A:LYS:HG3	20	1.08	0.29	1.16
(1,3953)	1:68:A:ASP:HB3	1:66:A:LYS:HG2	20	1.08	0.29	1.16
(1,3954)	1:68:B:ASP:HB3	1:75:B:LEU:HB3	20	1.08	0.29	1.15
(1,3954)	1:77:B:PHE:HB2	1:17:B:LEU:HB3	20	1.08	0.29	1.15
(1,3954)	1:68:B:ASP:HB3	1:66:B:LYS:HG3	20	1.08	0.29	1.15
(1,3954)	1:68:B:ASP:HB3	1:66:B:LYS:HG2	20	1.08	0.29	1.15
(1,5213)	1:77:A:PHE:H	1:81:A:LEU:HB2	20	1.07	0.16	1.08
(1,5214)	1:77:B:PHE:H	1:81:B:LEU:HB2	20	1.07	0.16	1.08
(1,4734)	1:8:B:THR:HG22	1:46:A:GLU:HB2	20	1.07	0.38	1.23
(1,4734)	1:8:B:THR:HG21	1:46:A:GLU:HB2	20	1.07	0.38	1.23
(1,4734)	1:20:B:VAL:HG22	1:46:B:GLU:HB2	20	1.07	0.38	1.23
(1,4734)	1:8:B:THR:HG23	1:46:A:GLU:HB2	20	1.07	0.38	1.23
(1,4734)	1:20:B:VAL:HG21	1:46:B:GLU:HB2	20	1.07	0.38	1.23
(1,4734)	1:20:B:VAL:HG23	1:46:B:GLU:HB2	20	1.07	0.38	1.23
(1,4733)	1:8:A:THR:HG22	1:46:B:GLU:HB2	20	1.07	0.38	1.22
(1,4733)	1:8:A:THR:HG21	1:46:B:GLU:HB2	20	1.07	0.38	1.22
(1,4733)	1:20:A:VAL:HG22	1:46:A:GLU:HB2	20	1.07	0.38	1.22
(1,4733)	1:8:A:THR:HG23	1:46:B:GLU:HB2	20	1.07	0.38	1.22
(1,4733)	1:20:A:VAL:HG21	1:46:A:GLU:HB2	20	1.07	0.38	1.22
(1,4733)	1:20:A:VAL:HG23	1:46:A:GLU:HB2	20	1.07	0.38	1.22
(1,3405)	1:15:A:GLU:HB3	1:102:B:GLN:HG2	20	1.07	0.28	1.14
(1,3405)	1:9:A:GLU:HB3	1:17:B:LEU:HG	20	1.07	0.28	1.14
(1,3405)	1:15:A:GLU:HB3	1:102:B:GLN:HG3	20	1.07	0.28	1.14
(1,3406)	1:15:B:GLU:HB3	1:102:A:GLN:HG2	20	1.06	0.28	1.14
(1,3406)	1:9:B:GLU:HB3	1:17:A:LEU:HG	20	1.06	0.28	1.14
(1,3406)	1:15:B:GLU:HB3	1:102:A:GLN:HG3	20	1.06	0.28	1.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3424)	1:60:B:LEU:HB2	1:37:B:THR:HA	20	1.06	0.17	1.06
(1,3424)	1:60:B:LEU:HB2	1:62:B:ARG:HA	20	1.06	0.17	1.06
(1,3423)	1:60:A:LEU:HB2	1:37:A:THR:HA	20	1.06	0.17	1.06
(1,3423)	1:60:A:LEU:HB2	1:62:A:ARG:HA	20	1.06	0.17	1.06
(1,3416)	1:83:B:LEU:HG	1:82:B:ASN:HB2	20	1.05	0.23	1.15
(1,3416)	1:83:B:LEU:HG	1:66:B:LYS:HE2	20	1.05	0.23	1.15
(1,3416)	1:83:B:LEU:HG	1:66:B:LYS:HE3	20	1.05	0.23	1.15
(1,3416)	1:83:B:LEU:HG	1:80:B:PHE:HB3	20	1.05	0.23	1.15
(1,3415)	1:83:A:LEU:HG	1:82:A:ASN:HB2	20	1.05	0.23	1.14
(1,3415)	1:83:A:LEU:HG	1:66:A:LYS:HE2	20	1.05	0.23	1.14
(1,3415)	1:83:A:LEU:HG	1:66:A:LYS:HE3	20	1.05	0.23	1.14
(1,3415)	1:83:A:LEU:HG	1:80:A:PHE:HB3	20	1.05	0.23	1.14
(1,5217)	1:9:A:GLU:H	1:47:B:LEU:HD23	20	1.04	0.13	1.05
(1,5217)	1:9:A:GLU:H	1:47:B:LEU:HD22	20	1.04	0.13	1.05
(1,5217)	1:9:A:GLU:H	1:47:B:LEU:HD21	20	1.04	0.13	1.05
(1,5218)	1:9:B:GLU:H	1:47:A:LEU:HD23	20	1.04	0.14	1.05
(1,5218)	1:9:B:GLU:H	1:47:A:LEU:HD22	20	1.04	0.14	1.05
(1,5218)	1:9:B:GLU:H	1:47:A:LEU:HD21	20	1.04	0.14	1.05
(1,636)	1:62:B:ARG:HG2	1:61:B:ASP:HB2	20	1.04	0.14	1.06
(1,4058)	1:18:B:ILE:HG22	1:91:A:CYS:HB3	20	1.04	0.33	1.0
(1,4058)	1:18:B:ILE:HG23	1:91:A:CYS:HB3	20	1.04	0.33	1.0
(1,4058)	1:21:B:PHE:HB2	1:18:B:ILE:HG23	20	1.04	0.33	1.0
(1,4058)	1:18:B:ILE:HG21	1:91:A:CYS:HB3	20	1.04	0.33	1.0
(1,4058)	1:18:B:ILE:HG23	1:91:A:CYS:HB2	20	1.04	0.33	1.0
(1,4058)	1:21:B:PHE:HB2	1:18:B:ILE:HG22	20	1.04	0.33	1.0
(1,3749)	1:49:A:ALA:HB1	1:87:A:LEU:HD22	20	1.04	0.08	1.04
(1,3749)	1:49:A:ALA:HB2	1:87:A:LEU:HD21	20	1.04	0.08	1.04
(1,3749)	1:49:A:ALA:HB1	1:87:A:LEU:HD21	20	1.04	0.08	1.04
(1,3749)	1:49:A:ALA:HB2	1:87:A:LEU:HD23	20	1.04	0.08	1.04
(1,3749)	1:49:A:ALA:HB3	1:87:A:LEU:HD21	20	1.04	0.08	1.04
(1,3749)	1:49:A:ALA:HB3	1:87:A:LEU:HD23	20	1.04	0.08	1.04
(1,3749)	1:49:A:ALA:HB2	1:87:A:LEU:HD22	20	1.04	0.08	1.04
(1,3749)	1:49:A:ALA:HB1	1:87:A:LEU:HD23	20	1.04	0.08	1.04
(1,635)	1:62:A:ARG:HG2	1:61:A:ASP:HB2	20	1.04	0.14	1.05
(1,3750)	1:49:B:ALA:HB1	1:87:B:LEU:HD22	20	1.04	0.09	1.04
(1,3750)	1:49:B:ALA:HB2	1:87:B:LEU:HD21	20	1.04	0.09	1.04
(1,3750)	1:49:B:ALA:HB1	1:87:B:LEU:HD21	20	1.04	0.09	1.04
(1,3750)	1:49:B:ALA:HB2	1:87:B:LEU:HD23	20	1.04	0.09	1.04
(1,3750)	1:49:B:ALA:HB3	1:87:B:LEU:HD21	20	1.04	0.09	1.04
(1,3750)	1:49:B:ALA:HB3	1:87:B:LEU:HD23	20	1.04	0.09	1.04
(1,3750)	1:49:B:ALA:HB2	1:87:B:LEU:HD22	20	1.04	0.09	1.04
(1,3750)	1:49:B:ALA:HB1	1:87:B:LEU:HD23	20	1.04	0.09	1.04

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,5403)	1:12:A:ARG:H	1:14:A:ILE:HD12	20	1.04	0.06	1.05
(1,5403)	1:12:A:ARG:H	1:14:A:ILE:HD11	20	1.04	0.06	1.05
(1,5403)	1:12:A:ARG:H	1:14:A:ILE:HD13	20	1.04	0.06	1.05
(1,5404)	1:12:B:ARG:H	1:14:B:ILE:HD12	20	1.04	0.06	1.05
(1,5404)	1:12:B:ARG:H	1:14:B:ILE:HD11	20	1.04	0.06	1.05
(1,5404)	1:12:B:ARG:H	1:14:B:ILE:HD13	20	1.04	0.06	1.05
(1,4057)	1:18:A:ILE:HG22	1:91:B:CYS:HB3	20	1.04	0.33	1.0
(1,4057)	1:18:A:ILE:HG23	1:91:B:CYS:HB3	20	1.04	0.33	1.0
(1,4057)	1:21:A:PHE:HB2	1:18:A:ILE:HG23	20	1.04	0.33	1.0
(1,4057)	1:18:A:ILE:HG21	1:91:B:CYS:HB3	20	1.04	0.33	1.0
(1,4057)	1:18:A:ILE:HG23	1:91:B:CYS:HB2	20	1.04	0.33	1.0
(1,4057)	1:21:A:PHE:HB2	1:18:A:ILE:HG22	20	1.04	0.33	1.0
(1,3965)	1:9:A:GLU:HB2	1:12:A:ARG:HD2	20	1.03	0.27	1.04
(1,3965)	1:15:A:GLU:HB2	1:12:A:ARG:HD3	20	1.03	0.27	1.04
(1,3965)	1:9:A:GLU:HB3	1:12:A:ARG:HD2	20	1.03	0.27	1.04
(1,3965)	1:15:A:GLU:HB2	1:12:A:ARG:HD2	20	1.03	0.27	1.04
(1,3966)	1:9:B:GLU:HB2	1:12:B:ARG:HD2	20	1.02	0.28	1.04
(1,3966)	1:15:B:GLU:HB2	1:12:B:ARG:HD3	20	1.02	0.28	1.04
(1,3966)	1:9:B:GLU:HB3	1:12:B:ARG:HD2	20	1.02	0.28	1.04
(1,3966)	1:15:B:GLU:HB2	1:12:B:ARG:HD2	20	1.02	0.28	1.04
(1,5332)	1:21:B:PHE:H	1:18:B:ILE:HG21	20	1.02	0.06	1.02
(1,5332)	1:21:B:PHE:H	1:18:B:ILE:HG22	20	1.02	0.06	1.02
(1,5332)	1:21:B:PHE:H	1:18:B:ILE:HG23	20	1.02	0.06	1.02
(1,5331)	1:21:A:PHE:H	1:18:A:ILE:HG21	20	1.02	0.06	1.02
(1,5331)	1:21:A:PHE:H	1:18:A:ILE:HG22	20	1.02	0.06	1.02
(1,5331)	1:21:A:PHE:H	1:18:A:ILE:HG23	20	1.02	0.06	1.02
(1,4438)	1:22:B:GLN:HG2	1:25:B:ALA:HB3	20	1.02	0.27	1.0
(1,4438)	1:25:B:ALA:HB2	1:24:B:TYR:HB3	20	1.02	0.27	1.0
(1,4438)	1:22:B:GLN:HG2	1:25:B:ALA:HB1	20	1.02	0.27	1.0
(1,4438)	1:25:B:ALA:HB3	1:24:B:TYR:HB3	20	1.02	0.27	1.0
(1,4438)	1:22:B:GLN:HG3	1:25:B:ALA:HB1	20	1.02	0.27	1.0
(1,4438)	1:25:B:ALA:HB1	1:24:B:TYR:HB3	20	1.02	0.27	1.0
(1,4437)	1:22:A:GLN:HG2	1:25:A:ALA:HB3	20	1.02	0.27	1.0
(1,4437)	1:25:A:ALA:HB2	1:24:A:TYR:HB3	20	1.02	0.27	1.0
(1,4437)	1:22:A:GLN:HG2	1:25:A:ALA:HB1	20	1.02	0.27	1.0
(1,4437)	1:25:A:ALA:HB3	1:24:A:TYR:HB3	20	1.02	0.27	1.0
(1,4437)	1:22:A:GLN:HG3	1:25:A:ALA:HB1	20	1.02	0.27	1.0
(1,4437)	1:25:A:ALA:HB1	1:24:A:TYR:HB3	20	1.02	0.27	1.0
(1,3778)	1:57:B:PRO:HA	1:61:B:ASP:HB3	20	1.0	0.27	1.02
(1,3778)	1:57:B:PRO:HA	1:63:B:MET:HG3	20	1.0	0.27	1.02
(1,3777)	1:57:A:PRO:HA	1:61:A:ASP:HB3	20	1.0	0.27	1.01
(1,3777)	1:57:A:PRO:HA	1:63:A:MET:HG3	20	1.0	0.27	1.01

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4400)	1:48:B:ALA:HB1	1:47:B:LEU:HD23	20	1.0	0.09	0.97
(1,4400)	1:48:B:ALA:HB2	1:47:B:LEU:HD22	20	1.0	0.09	0.97
(1,4400)	1:48:B:ALA:HB1	1:47:B:LEU:HD21	20	1.0	0.09	0.97
(1,4400)	1:48:B:ALA:HB2	1:47:B:LEU:HD23	20	1.0	0.09	0.97
(1,4400)	1:48:B:ALA:HB3	1:47:B:LEU:HD23	20	1.0	0.09	0.97
(1,4400)	1:48:B:ALA:HB3	1:47:B:LEU:HD22	20	1.0	0.09	0.97
(1,4400)	1:48:B:ALA:HB2	1:47:B:LEU:HD21	20	1.0	0.09	0.97
(1,4400)	1:48:B:ALA:HB1	1:47:B:LEU:HD22	20	1.0	0.09	0.97
(1,4399)	1:48:A:ALA:HB1	1:47:A:LEU:HD23	20	1.0	0.09	0.98
(1,4399)	1:48:A:ALA:HB2	1:47:A:LEU:HD22	20	1.0	0.09	0.98
(1,4399)	1:48:A:ALA:HB1	1:47:A:LEU:HD21	20	1.0	0.09	0.98
(1,4399)	1:48:A:ALA:HB2	1:47:A:LEU:HD23	20	1.0	0.09	0.98
(1,4399)	1:48:A:ALA:HB3	1:47:A:LEU:HD23	20	1.0	0.09	0.98
(1,4399)	1:48:A:ALA:HB3	1:47:A:LEU:HD22	20	1.0	0.09	0.98
(1,4399)	1:48:A:ALA:HB2	1:47:A:LEU:HD21	20	1.0	0.09	0.98
(1,4399)	1:48:A:ALA:HB1	1:47:A:LEU:HD22	20	1.0	0.09	0.98
(1,3720)	1:47:B:LEU:HD13	1:10:A:THR:H	20	0.99	0.2	0.96
(1,3720)	1:47:B:LEU:HD11	1:10:A:THR:H	20	0.99	0.2	0.96
(1,3720)	1:47:B:LEU:HD12	1:10:A:THR:H	20	0.99	0.2	0.96
(1,3719)	1:47:A:LEU:HD13	1:10:B:THR:H	20	0.99	0.2	0.96
(1,3719)	1:47:A:LEU:HD11	1:10:B:THR:H	20	0.99	0.2	0.96
(1,3719)	1:47:A:LEU:HD12	1:10:B:THR:H	20	0.99	0.2	0.96
(1,565)	1:25:A:ALA:HB2	1:33:A:THR:HG22	20	0.99	0.42	1.08
(1,565)	1:25:A:ALA:HB2	1:33:A:THR:HG21	20	0.99	0.42	1.08
(1,565)	1:25:A:ALA:HB3	1:33:A:THR:HG21	20	0.99	0.42	1.08
(1,565)	1:25:A:ALA:HB1	1:33:A:THR:HG21	20	0.99	0.42	1.08
(1,565)	1:25:A:ALA:HB1	1:33:A:THR:HG22	20	0.99	0.42	1.08
(1,565)	1:25:A:ALA:HB3	1:33:A:THR:HG23	20	0.99	0.42	1.08
(1,565)	1:25:A:ALA:HB3	1:33:A:THR:HG22	20	0.99	0.42	1.08
(1,565)	1:25:A:ALA:HB2	1:33:A:THR:HG23	20	0.99	0.42	1.08
(1,565)	1:25:A:ALA:HB1	1:33:A:THR:HG23	20	0.99	0.42	1.08
(1,566)	1:25:B:ALA:HB2	1:33:B:THR:HG22	20	0.98	0.42	1.08
(1,566)	1:25:B:ALA:HB2	1:33:B:THR:HG21	20	0.98	0.42	1.08
(1,566)	1:25:B:ALA:HB3	1:33:B:THR:HG21	20	0.98	0.42	1.08
(1,566)	1:25:B:ALA:HB1	1:33:B:THR:HG21	20	0.98	0.42	1.08
(1,566)	1:25:B:ALA:HB1	1:33:B:THR:HG22	20	0.98	0.42	1.08
(1,566)	1:25:B:ALA:HB3	1:33:B:THR:HG23	20	0.98	0.42	1.08
(1,566)	1:25:B:ALA:HB3	1:33:B:THR:HG22	20	0.98	0.42	1.08
(1,566)	1:25:B:ALA:HB2	1:33:B:THR:HG23	20	0.98	0.42	1.08
(1,566)	1:25:B:ALA:HB1	1:33:B:THR:HG23	20	0.98	0.42	1.08
(1,4185)	1:40:A:LEU:HG	1:42:A:PHE:HB3	20	0.98	0.25	1.02
(1,4185)	1:7:A:PRO:HG2	1:11:A:GLU:HG2	20	0.98	0.25	1.02

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4185)	1:57:A:PRO:HG2	1:61:A:ASP:HB3	20	0.98	0.25	1.02
(1,4186)	1:40:B:LEU:HG	1:42:B:PHE:HB3	20	0.98	0.25	1.03
(1,4186)	1:7:B:PRO:HG2	1:11:B:GLU:HG2	20	0.98	0.25	1.03
(1,4186)	1:57:B:PRO:HG2	1:61:B:ASP:HB3	20	0.98	0.25	1.03
(1,3457)	1:11:A:GLU:HA	1:12:A:ARG:HD2	20	0.96	0.13	0.92
(1,3457)	1:11:A:GLU:HA	1:12:A:ARG:HD3	20	0.96	0.13	0.92
(1,3457)	1:11:A:GLU:HA	1:50:B:PHE:HB2	20	0.96	0.13	0.92
(1,3458)	1:11:B:GLU:HA	1:12:B:ARG:HD2	20	0.96	0.14	0.92
(1,3458)	1:11:B:GLU:HA	1:12:B:ARG:HD3	20	0.96	0.14	0.92
(1,3458)	1:11:B:GLU:HA	1:50:A:PHE:HB2	20	0.96	0.14	0.92
(1,4120)	1:46:B:GLU:HB3	1:87:B:LEU:HD12	20	0.96	0.28	1.0
(1,4120)	1:46:B:GLU:HB3	1:23:B:LYS:HG3	20	0.96	0.28	1.0
(1,4120)	1:46:B:GLU:HB3	1:87:B:LEU:HD13	20	0.96	0.28	1.0
(1,4120)	1:46:B:GLU:HB3	1:87:B:LEU:HD11	20	0.96	0.28	1.0
(1,4119)	1:46:A:GLU:HB3	1:87:A:LEU:HD12	20	0.96	0.28	1.0
(1,4119)	1:46:A:GLU:HB3	1:23:A:LYS:HG3	20	0.96	0.28	1.0
(1,4119)	1:46:A:GLU:HB3	1:87:A:LEU:HD13	20	0.96	0.28	1.0
(1,4119)	1:46:A:GLU:HB3	1:87:A:LEU:HD11	20	0.96	0.28	1.0
(1,3558)	1:68:B:ASP:HA	1:33:B:THR:HG22	20	0.96	0.22	1.03
(1,3558)	1:68:B:ASP:HA	1:33:B:THR:HG21	20	0.96	0.22	1.03
(1,3558)	1:68:B:ASP:HA	1:33:B:THR:HG23	20	0.96	0.22	1.03
(1,3557)	1:68:A:ASP:HA	1:33:A:THR:HG22	20	0.96	0.22	1.03
(1,3557)	1:68:A:ASP:HA	1:33:A:THR:HG21	20	0.96	0.22	1.03
(1,3557)	1:68:A:ASP:HA	1:33:A:THR:HG23	20	0.96	0.22	1.03
(1,4195)	1:52:A:LYS:HD3	1:44:A:ASN:HB3	20	0.96	0.39	0.98
(1,4195)	1:52:A:LYS:HB2	1:53:A:ASN:HB3	20	0.96	0.39	0.98
(1,4195)	1:52:A:LYS:HD2	1:44:A:ASN:HB3	20	0.96	0.39	0.98
(1,4196)	1:52:B:LYS:HD3	1:44:B:ASN:HB3	20	0.95	0.39	0.98
(1,4196)	1:52:B:LYS:HB2	1:53:B:ASN:HB3	20	0.95	0.39	0.98
(1,4196)	1:52:B:LYS:HD2	1:44:B:ASN:HB3	20	0.95	0.39	0.98
(1,3872)	1:39:B:PHE:H	1:34:B:LEU:HD12	20	0.95	0.22	1.0
(1,3872)	1:39:B:PHE:H	1:34:B:LEU:HD11	20	0.95	0.22	1.0
(1,3872)	1:76:B:ASP:H	1:75:B:LEU:HD11	20	0.95	0.22	1.0
(1,3872)	1:76:B:ASP:H	1:75:B:LEU:HD12	20	0.95	0.22	1.0
(1,3872)	1:75:B:LEU:HD13	1:39:B:PHE:H	20	0.95	0.22	1.0
(1,3872)	1:76:B:ASP:H	1:75:B:LEU:HD13	20	0.95	0.22	1.0
(1,3872)	1:77:B:PHE:H	1:34:B:LEU:HD12	20	0.95	0.22	1.0
(1,3872)	1:39:B:PHE:H	1:34:B:LEU:HD13	20	0.95	0.22	1.0
(1,3871)	1:39:A:PHE:H	1:34:A:LEU:HD12	20	0.95	0.22	1.0
(1,3871)	1:39:A:PHE:H	1:34:A:LEU:HD11	20	0.95	0.22	1.0
(1,3871)	1:76:A:ASP:H	1:75:A:LEU:HD11	20	0.95	0.22	1.0
(1,3871)	1:76:A:ASP:H	1:75:A:LEU:HD12	20	0.95	0.22	1.0

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3871)	1:75:A:LEU:HD13	1:39:A:PHE:H	20	0.95	0.22	1.0
(1,3871)	1:76:A:ASP:H	1:75:A:LEU:HD13	20	0.95	0.22	1.0
(1,3871)	1:77:A:PHE:H	1:34:A:LEU:HD12	20	0.95	0.22	1.0
(1,3871)	1:39:A:PHE:H	1:34:A:LEU:HD13	20	0.95	0.22	1.0
(1,4359)	1:49:A:ALA:HB1	1:47:A:LEU:HD23	20	0.95	0.06	0.95
(1,4359)	1:49:A:ALA:HB2	1:47:A:LEU:HD22	20	0.95	0.06	0.95
(1,4359)	1:49:A:ALA:HB1	1:47:A:LEU:HD21	20	0.95	0.06	0.95
(1,4359)	1:49:A:ALA:HB2	1:47:A:LEU:HD23	20	0.95	0.06	0.95
(1,4359)	1:49:A:ALA:HB1	1:47:A:LEU:HD22	20	0.95	0.06	0.95
(1,4359)	1:49:A:ALA:HB3	1:47:A:LEU:HD23	20	0.95	0.06	0.95
(1,4359)	1:49:A:ALA:HB3	1:47:A:LEU:HD22	20	0.95	0.06	0.95
(1,4359)	1:49:A:ALA:HB3	1:47:A:LEU:HD21	20	0.95	0.06	0.95
(1,4359)	1:49:A:ALA:HB2	1:47:A:LEU:HD21	20	0.95	0.06	0.95
(1,4360)	1:49:B:ALA:HB1	1:47:B:LEU:HD23	20	0.95	0.06	0.96
(1,4360)	1:49:B:ALA:HB2	1:47:B:LEU:HD22	20	0.95	0.06	0.96
(1,4360)	1:49:B:ALA:HB1	1:47:B:LEU:HD21	20	0.95	0.06	0.96
(1,4360)	1:49:B:ALA:HB2	1:47:B:LEU:HD23	20	0.95	0.06	0.96
(1,4360)	1:49:B:ALA:HB1	1:47:B:LEU:HD22	20	0.95	0.06	0.96
(1,4360)	1:49:B:ALA:HB3	1:47:B:LEU:HD23	20	0.95	0.06	0.96
(1,4360)	1:49:B:ALA:HB3	1:47:B:LEU:HD22	20	0.95	0.06	0.96
(1,4360)	1:49:B:ALA:HB3	1:47:B:LEU:HD21	20	0.95	0.06	0.96
(1,4360)	1:49:B:ALA:HB2	1:47:B:LEU:HD21	20	0.95	0.06	0.96
(1,4214)	1:98:B:ALA:H	1:97:B:LYS:HD2	20	0.95	0.23	1.03
(1,4214)	1:66:B:LYS:H	1:65:B:LYS:HD2	20	0.95	0.23	1.03
(1,4214)	1:66:B:LYS:H	1:65:B:LYS:HD3	20	0.95	0.23	1.03
(1,4214)	1:53:B:ASN:H	1:52:B:LYS:HD3	20	0.95	0.23	1.03
(1,4214)	1:53:B:ASN:H	1:52:B:LYS:HD2	20	0.95	0.23	1.03
(1,4214)	1:27:B:LYS:HD2	1:26:B:GLY:H	20	0.95	0.23	1.03
(1,4214)	1:98:B:ALA:H	1:97:B:LYS:HD3	20	0.95	0.23	1.03
(1,5322)	1:47:B:LEU:H	1:87:B:LEU:HD11	20	0.95	0.15	1.0
(1,5322)	1:47:B:LEU:H	1:87:B:LEU:HD12	20	0.95	0.15	1.0
(1,5322)	1:47:B:LEU:H	1:87:B:LEU:HD22	20	0.95	0.15	1.0
(1,5322)	1:47:B:LEU:H	1:87:B:LEU:HD13	20	0.95	0.15	1.0
(1,5322)	1:47:B:LEU:H	1:87:B:LEU:HD21	20	0.95	0.15	1.0
(1,5322)	1:47:B:LEU:H	1:87:B:LEU:HD23	20	0.95	0.15	1.0
(1,5321)	1:47:A:LEU:H	1:87:A:LEU:HD11	20	0.95	0.15	1.0
(1,5321)	1:47:A:LEU:H	1:87:A:LEU:HD12	20	0.95	0.15	1.0
(1,5321)	1:47:A:LEU:H	1:87:A:LEU:HD22	20	0.95	0.15	1.0
(1,5321)	1:47:A:LEU:H	1:87:A:LEU:HD13	20	0.95	0.15	1.0
(1,5321)	1:47:A:LEU:H	1:87:A:LEU:HD21	20	0.95	0.15	1.0
(1,5321)	1:47:A:LEU:H	1:87:A:LEU:HD23	20	0.95	0.15	1.0
(1,5346)	1:51:B:THR:H	1:47:B:LEU:HD11	20	0.95	0.09	0.92

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,5346)	1:51:B:THR:H	1:47:B:LEU:HD12	20	0.95	0.09	0.92
(1,5346)	1:51:B:THR:H	1:47:B:LEU:HD22	20	0.95	0.09	0.92
(1,5346)	1:51:B:THR:H	1:47:B:LEU:HD13	20	0.95	0.09	0.92
(1,5346)	1:51:B:THR:H	1:47:B:LEU:HD23	20	0.95	0.09	0.92
(1,5346)	1:51:B:THR:H	1:47:B:LEU:HD21	20	0.95	0.09	0.92
(1,4213)	1:98:A:ALA:H	1:97:A:LYS:HD2	20	0.95	0.22	1.02
(1,4213)	1:66:A:LYS:H	1:65:A:LYS:HD2	20	0.95	0.22	1.02
(1,4213)	1:66:A:LYS:H	1:65:A:LYS:HD3	20	0.95	0.22	1.02
(1,4213)	1:53:A:ASN:H	1:52:A:LYS:HD3	20	0.95	0.22	1.02
(1,4213)	1:53:A:ASN:H	1:52:A:LYS:HD2	20	0.95	0.22	1.02
(1,4213)	1:27:A:LYS:HD2	1:26:A:GLY:H	20	0.95	0.22	1.02
(1,4213)	1:98:A:ALA:H	1:97:A:LYS:HD3	20	0.95	0.22	1.02
(1,5345)	1:51:A:THR:H	1:47:A:LEU:HD11	20	0.94	0.08	0.92
(1,5345)	1:51:A:THR:H	1:47:A:LEU:HD12	20	0.94	0.08	0.92
(1,5345)	1:51:A:THR:H	1:47:A:LEU:HD22	20	0.94	0.08	0.92
(1,5345)	1:51:A:THR:H	1:47:A:LEU:HD13	20	0.94	0.08	0.92
(1,5345)	1:51:A:THR:H	1:47:A:LEU:HD23	20	0.94	0.08	0.92
(1,5345)	1:51:A:THR:H	1:47:A:LEU:HD21	20	0.94	0.08	0.92
(1,3465)	1:100:A:PRO:HD2	1:98:A:ALA:HB3	20	0.94	0.13	0.92
(1,3465)	1:100:A:PRO:HD2	1:96:A:LEU:HB3	20	0.94	0.13	0.92
(1,3465)	1:100:A:PRO:HD2	1:98:A:ALA:HB1	20	0.94	0.13	0.92
(1,3465)	1:100:A:PRO:HD2	1:98:A:ALA:HB2	20	0.94	0.13	0.92
(1,3606)	1:77:B:PHE:HB3	1:88:A:ALA:HB3	20	0.94	0.62	0.72
(1,3606)	1:77:B:PHE:HB3	1:88:A:ALA:HB2	20	0.94	0.62	0.72
(1,3606)	1:77:B:PHE:HB3	1:88:A:ALA:HB1	20	0.94	0.62	0.72
(1,4047)	1:74:A:GLN:HB2	1:76:A:ASP:HB3	20	0.94	0.2	0.98
(1,4047)	1:52:A:LYS:HB2	1:53:A:ASN:HB3	20	0.94	0.2	0.98
(1,4048)	1:74:B:GLN:HB2	1:76:B:ASP:HB3	20	0.94	0.2	0.98
(1,4048)	1:52:B:LYS:HB2	1:53:B:ASN:HB3	20	0.94	0.2	0.98
(1,3466)	1:100:B:PRO:HD2	1:98:B:ALA:HB3	20	0.94	0.13	0.92
(1,3466)	1:100:B:PRO:HD2	1:96:B:LEU:HB3	20	0.94	0.13	0.92
(1,3466)	1:100:B:PRO:HD2	1:98:B:ALA:HB1	20	0.94	0.13	0.92
(1,3466)	1:100:B:PRO:HD2	1:98:B:ALA:HB2	20	0.94	0.13	0.92
(1,3605)	1:77:A:PHE:HB3	1:88:B:ALA:HB3	20	0.94	0.62	0.72
(1,3605)	1:77:A:PHE:HB3	1:88:B:ALA:HB2	20	0.94	0.62	0.72
(1,3605)	1:77:A:PHE:HB3	1:88:B:ALA:HB1	20	0.94	0.62	0.72
(2,154)	1:71:B:SER:H	1:73:B:GLY:HA3	20	0.93	0.06	0.95
(2,153)	1:71:A:SER:H	1:73:A:GLY:HA3	20	0.93	0.06	0.95
(1,4757)	1:60:A:LEU:HD13	1:47:A:LEU:H	20	0.92	0.22	0.94
(1,4757)	1:60:A:LEU:HD12	1:47:A:LEU:H	20	0.92	0.22	0.94
(1,4757)	1:60:A:LEU:HD11	1:47:A:LEU:H	20	0.92	0.22	0.94
(1,4758)	1:60:B:LEU:HD13	1:47:B:LEU:H	20	0.92	0.22	0.94

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4758)	1:60:B:LEU:HD12	1:47:B:LEU:H	20	0.92	0.22	0.94
(1,4758)	1:60:B:LEU:HD11	1:47:B:LEU:H	20	0.92	0.22	0.94
(1,4391)	1:17:A:LEU:HG	1:81:A:LEU:HD23	20	0.92	0.08	0.92
(1,4391)	1:17:A:LEU:HG	1:81:A:LEU:HD21	20	0.92	0.08	0.92
(1,4391)	1:17:A:LEU:HG	1:81:A:LEU:HD22	20	0.92	0.08	0.92
(1,5495)	1:59:A:VAL:H	1:61:A:ASP:HB3	20	0.92	0.1	0.95
(1,5495)	1:90:A:ALA:H	1:89:A:MET:HG2	20	0.92	0.1	0.95
(1,5495)	1:59:A:VAL:H	1:61:A:ASP:HB2	20	0.92	0.1	0.95
(1,4392)	1:17:B:LEU:HG	1:81:B:LEU:HD23	20	0.92	0.08	0.92
(1,4392)	1:17:B:LEU:HG	1:81:B:LEU:HD21	20	0.92	0.08	0.92
(1,4392)	1:17:B:LEU:HG	1:81:B:LEU:HD22	20	0.92	0.08	0.92
(1,4271)	1:82:A:ASN:HA	1:83:A:LEU:HA	20	0.92	0.04	0.92
(1,4271)	1:82:A:ASN:HA	1:85:A:GLY:HA2	20	0.92	0.04	0.92
(1,4272)	1:82:B:ASN:HA	1:83:B:LEU:HA	20	0.92	0.04	0.92
(1,4272)	1:82:B:ASN:HA	1:85:B:GLY:HA2	20	0.92	0.04	0.92
(1,5496)	1:59:B:VAL:H	1:61:B:ASP:HB3	20	0.92	0.1	0.95
(1,5496)	1:90:B:ALA:H	1:89:B:MET:HG2	20	0.92	0.1	0.95
(1,5496)	1:59:B:VAL:H	1:61:B:ASP:HB2	20	0.92	0.1	0.95
(1,319)	1:74:A:GLN:HB3	1:76:A:ASP:HB3	20	0.91	0.39	0.88
(1,320)	1:74:B:GLN:HB3	1:76:B:ASP:HB3	20	0.91	0.39	0.87
(1,4818)	1:59:B:VAL:HA	1:62:B:ARG:HG2	20	0.91	0.15	0.96
(1,4818)	1:62:B:ARG:HB3	1:59:B:VAL:HA	20	0.91	0.15	0.96
(1,4817)	1:59:A:VAL:HA	1:62:A:ARG:HG2	20	0.9	0.15	0.96
(1,4817)	1:62:A:ARG:HB3	1:59:A:VAL:HA	20	0.9	0.15	0.96
(1,5500)	1:51:B:THR:H	1:49:B:ALA:HB1	20	0.9	0.06	0.91
(1,5500)	1:51:B:THR:H	1:49:B:ALA:HB2	20	0.9	0.06	0.91
(1,5500)	1:51:B:THR:H	1:49:B:ALA:HB3	20	0.9	0.06	0.91
(1,5499)	1:51:A:THR:H	1:49:A:ALA:HB1	20	0.9	0.06	0.91
(1,5499)	1:51:A:THR:H	1:49:A:ALA:HB2	20	0.9	0.06	0.91
(1,5499)	1:51:A:THR:H	1:49:A:ALA:HB3	20	0.9	0.06	0.91
(1,3884)	1:63:B:MET:HG3	1:65:B:LYS:H	20	0.87	0.08	0.87
(1,3884)	1:89:B:MET:HG3	1:82:A:ASN:H	20	0.87	0.08	0.87
(1,3883)	1:63:A:MET:HG3	1:65:A:LYS:H	20	0.87	0.08	0.86
(1,3883)	1:89:A:MET:HG3	1:82:B:ASN:H	20	0.87	0.08	0.86
(1,4029)	1:73:A:GLY:HA3	1:36:A:LYS:HD3	20	0.86	0.31	0.91
(1,4029)	1:73:A:GLY:HA3	1:36:A:LYS:HD2	20	0.86	0.31	0.91
(1,4030)	1:73:B:GLY:HA3	1:36:B:LYS:HD3	20	0.86	0.31	0.91
(1,4030)	1:73:B:GLY:HA3	1:36:B:LYS:HD2	20	0.86	0.31	0.91
(1,4394)	1:17:B:LEU:HB2	1:9:A:GLU:HG2	20	0.86	0.18	0.84
(1,4394)	1:17:B:LEU:HB2	1:77:B:PHE:HB2	20	0.86	0.18	0.84
(1,4394)	1:17:B:LEU:HB2	1:9:A:GLU:HG3	20	0.86	0.18	0.84
(1,4394)	1:17:B:LEU:HB2	1:15:B:GLU:HG3	20	0.86	0.18	0.84

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4393)	1:17:A:LEU:HB2	1:9:B:GLU:HG2	20	0.86	0.18	0.84
(1,4393)	1:17:A:LEU:HB2	1:77:A:PHE:HB2	20	0.86	0.18	0.84
(1,4393)	1:17:A:LEU:HB2	1:9:B:GLU:HG3	20	0.86	0.18	0.84
(1,4393)	1:17:A:LEU:HB2	1:15:A:GLU:HG3	20	0.86	0.18	0.84
(1,3897)	1:10:A:THR:HA	1:14:A:ILE:HB	20	0.85	0.17	0.84
(1,3897)	1:10:A:THR:HA	1:11:A:GLU:HB2	20	0.85	0.17	0.84
(1,4257)	1:10:A:THR:HA	1:14:A:ILE:HD12	20	0.85	0.19	0.9
(1,4257)	1:10:A:THR:HA	1:14:A:ILE:HD11	20	0.85	0.19	0.9
(1,4257)	1:10:A:THR:HA	1:14:A:ILE:HD13	20	0.85	0.19	0.9
(1,4258)	1:10:B:THR:HA	1:14:B:ILE:HD12	20	0.85	0.19	0.9
(1,4258)	1:10:B:THR:HA	1:14:B:ILE:HD11	20	0.85	0.19	0.9
(1,4258)	1:10:B:THR:HA	1:14:B:ILE:HD13	20	0.85	0.19	0.9
(1,4685)	1:20:A:VAL:HG13	1:23:A:LYS:HB2	20	0.85	0.18	0.84
(1,4685)	1:20:A:VAL:HG12	1:23:A:LYS:HB2	20	0.85	0.18	0.84
(1,4685)	1:20:A:VAL:HG11	1:23:A:LYS:HB2	20	0.85	0.18	0.84
(1,4685)	1:20:A:VAL:HG13	1:22:A:GLN:HB2	20	0.85	0.18	0.84
(1,4685)	1:20:A:VAL:HG12	1:22:A:GLN:HB2	20	0.85	0.18	0.84
(1,4685)	1:20:A:VAL:HG11	1:11:B:GLU:HB2	20	0.85	0.18	0.84
(1,4685)	1:20:A:VAL:HG13	1:22:A:GLN:HB3	20	0.85	0.18	0.84
(1,3898)	1:10:B:THR:HA	1:14:B:ILE:HB	20	0.85	0.17	0.84
(1,3898)	1:10:B:THR:HA	1:11:B:GLU:HB2	20	0.85	0.17	0.84
(1,4686)	1:20:B:VAL:HG13	1:23:B:LYS:HB2	20	0.85	0.18	0.84
(1,4686)	1:20:B:VAL:HG12	1:23:B:LYS:HB2	20	0.85	0.18	0.84
(1,4686)	1:20:B:VAL:HG11	1:23:B:LYS:HB2	20	0.85	0.18	0.84
(1,4686)	1:20:B:VAL:HG13	1:22:B:GLN:HB2	20	0.85	0.18	0.84
(1,4686)	1:20:B:VAL:HG12	1:22:B:GLN:HB2	20	0.85	0.18	0.84
(1,4686)	1:20:B:VAL:HG11	1:11:A:GLU:HB2	20	0.85	0.18	0.84
(1,4686)	1:20:B:VAL:HG13	1:22:B:GLN:HB3	20	0.85	0.18	0.84
(1,3762)	1:58:B:GLY:HA3	1:62:B:ARG:HG2	20	0.85	0.14	0.8
(1,3762)	1:58:B:GLY:HA3	1:60:B:LEU:HG	20	0.85	0.14	0.8
(1,3761)	1:58:A:GLY:HA3	1:62:A:ARG:HG2	20	0.85	0.14	0.8
(1,3761)	1:58:A:GLY:HA3	1:60:A:LEU:HG	20	0.85	0.14	0.8
(1,56)	1:17:B:LEU:HD12	1:13:A:CYS:HB2	20	0.85	0.5	1.12
(1,56)	1:17:B:LEU:HD11	1:13:A:CYS:HB2	20	0.85	0.5	1.12
(1,56)	1:17:B:LEU:HD13	1:13:A:CYS:HB2	20	0.85	0.5	1.12
(1,4677)	1:65:A:LYS:HD2	1:36:A:LYS:HA	20	0.85	0.17	0.8
(1,4677)	1:36:A:LYS:HA	1:74:A:GLN:HB2	20	0.85	0.17	0.8
(1,4677)	1:39:A:PHE:HA	1:46:A:GLU:HB2	20	0.85	0.17	0.8
(1,55)	1:17:A:LEU:HD12	1:13:B:CYS:HB2	20	0.84	0.5	1.12
(1,55)	1:17:A:LEU:HD11	1:13:B:CYS:HB2	20	0.84	0.5	1.12
(1,55)	1:17:A:LEU:HD13	1:13:B:CYS:HB2	20	0.84	0.5	1.12
(1,5485)	1:87:A:LEU:H	1:14:B:ILE:HD13	20	0.84	0.08	0.84

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,5485)	1:87:A:LEU:H	1:14:B:ILE:HD12	20	0.84	0.08	0.84
(1,5485)	1:87:A:LEU:H	1:14:B:ILE:HD11	20	0.84	0.08	0.84
(1,5486)	1:87:B:LEU:H	1:14:A:ILE:HD13	20	0.84	0.08	0.85
(1,5486)	1:87:B:LEU:H	1:14:A:ILE:HD12	20	0.84	0.08	0.85
(1,5486)	1:87:B:LEU:H	1:14:A:ILE:HD11	20	0.84	0.08	0.85
(1,4678)	1:65:B:LYS:HD2	1:36:B:LYS:HA	20	0.84	0.17	0.8
(1,4678)	1:36:B:LYS:HA	1:74:B:GLN:HB2	20	0.84	0.17	0.8
(1,4678)	1:39:B:PHE:HA	1:46:B:GLU:HB2	20	0.84	0.17	0.8
(1,5590)	1:19:B:ALA:H	1:14:B:ILE:HG23	20	0.84	0.13	0.84
(1,5590)	1:19:B:ALA:H	1:14:B:ILE:HG21	20	0.84	0.13	0.84
(1,5590)	1:19:B:ALA:H	1:14:B:ILE:HG22	20	0.84	0.13	0.84
(1,5590)	1:19:B:ALA:H	1:17:B:LEU:HD13	20	0.84	0.13	0.84
(1,5589)	1:19:A:ALA:H	1:14:A:ILE:HG23	20	0.84	0.13	0.84
(1,5589)	1:19:A:ALA:H	1:14:A:ILE:HG21	20	0.84	0.13	0.84
(1,5589)	1:19:A:ALA:H	1:14:A:ILE:HG22	20	0.84	0.13	0.84
(1,5589)	1:19:A:ALA:H	1:17:A:LEU:HD13	20	0.84	0.13	0.84
(1,463)	1:68:A:ASP:HB2	1:33:A:THR:HG22	20	0.84	0.07	0.84
(1,463)	1:68:A:ASP:HB2	1:33:A:THR:HG21	20	0.84	0.07	0.84
(1,463)	1:68:A:ASP:HB2	1:33:A:THR:HG23	20	0.84	0.07	0.84
(1,464)	1:68:B:ASP:HB2	1:33:B:THR:HG22	20	0.84	0.07	0.84
(1,464)	1:68:B:ASP:HB2	1:33:B:THR:HG21	20	0.84	0.07	0.84
(1,464)	1:68:B:ASP:HB2	1:33:B:THR:HG23	20	0.84	0.07	0.84
(1,5328)	1:99:B:VAL:H	1:96:B:LEU:HD22	20	0.84	0.06	0.84
(1,5328)	1:99:B:VAL:H	1:96:B:LEU:HD23	20	0.84	0.06	0.84
(1,5328)	1:99:B:VAL:H	1:96:B:LEU:HD21	20	0.84	0.06	0.84
(1,5328)	1:99:B:VAL:H	1:96:B:LEU:HD12	20	0.84	0.06	0.84
(1,5327)	1:99:A:VAL:H	1:96:A:LEU:HD22	20	0.84	0.06	0.84
(1,5327)	1:99:A:VAL:H	1:96:A:LEU:HD23	20	0.84	0.06	0.84
(1,5327)	1:99:A:VAL:H	1:96:A:LEU:HD21	20	0.84	0.06	0.84
(1,5327)	1:99:A:VAL:H	1:96:A:LEU:HD12	20	0.84	0.06	0.84
(1,1013)	1:62:A:ARG:HB3	1:63:A:MET:HG2	20	0.83	0.08	0.84
(1,1014)	1:62:B:ARG:HB3	1:63:B:MET:HG2	20	0.83	0.08	0.84
(1,4857)	1:23:A:LYS:HB2	1:23:A:LYS:HE3	20	0.83	0.15	0.84
(1,4857)	1:23:A:LYS:HB2	1:23:A:LYS:HE2	20	0.83	0.15	0.84
(1,4858)	1:23:B:LYS:HB2	1:23:B:LYS:HE3	20	0.83	0.15	0.84
(1,4858)	1:23:B:LYS:HB2	1:23:B:LYS:HE2	20	0.83	0.15	0.84
(1,4253)	1:15:A:GLU:HG2	1:19:A:ALA:HB2	20	0.82	0.2	0.84
(1,4253)	1:15:A:GLU:HG2	1:88:B:ALA:HB3	20	0.82	0.2	0.84
(1,4253)	1:15:A:GLU:HG2	1:88:B:ALA:HB1	20	0.82	0.2	0.84
(1,4253)	1:15:A:GLU:HG2	1:88:B:ALA:HB2	20	0.82	0.2	0.84
(1,4253)	1:15:A:GLU:HG2	1:19:A:ALA:HB1	20	0.82	0.2	0.84
(1,4254)	1:15:B:GLU:HG2	1:19:B:ALA:HB2	20	0.82	0.2	0.84

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4254)	1:15:B:GLU:HG2	1:88:A:ALA:HB3	20	0.82	0.2	0.84
(1,4254)	1:15:B:GLU:HG2	1:88:A:ALA:HB1	20	0.82	0.2	0.84
(1,4254)	1:15:B:GLU:HG2	1:88:A:ALA:HB2	20	0.82	0.2	0.84
(1,4254)	1:15:B:GLU:HG2	1:19:B:ALA:HB1	20	0.82	0.2	0.84
(1,4316)	1:22:B:GLN:HA	1:26:B:GLY:HA2	20	0.82	0.13	0.84
(1,4316)	1:37:B:THR:HA	1:40:B:LEU:HA	20	0.82	0.13	0.84
(1,4315)	1:22:A:GLN:HA	1:26:A:GLY:HA2	20	0.82	0.13	0.84
(1,4315)	1:37:A:THR:HA	1:40:A:LEU:HA	20	0.82	0.13	0.84
(1,77)	1:12:A:ARG:HG3	1:17:B:LEU:HD23	20	0.82	0.1	0.83
(1,77)	1:12:A:ARG:HG3	1:17:B:LEU:HD21	20	0.82	0.1	0.83
(1,77)	1:12:A:ARG:HG3	1:17:B:LEU:HD22	20	0.82	0.1	0.83
(1,79)	1:12:A:ARG:HG3	1:17:B:LEU:HD23	20	0.82	0.1	0.83
(1,79)	1:12:A:ARG:HG3	1:17:B:LEU:HD21	20	0.82	0.1	0.83
(1,79)	1:12:A:ARG:HG3	1:17:B:LEU:HD22	20	0.82	0.1	0.83
(1,78)	1:12:B:ARG:HG3	1:17:A:LEU:HD23	20	0.82	0.1	0.83
(1,78)	1:12:B:ARG:HG3	1:17:A:LEU:HD21	20	0.82	0.1	0.83
(1,78)	1:12:B:ARG:HG3	1:17:A:LEU:HD22	20	0.82	0.1	0.83
(1,80)	1:12:B:ARG:HG3	1:17:A:LEU:HD23	20	0.82	0.1	0.83
(1,80)	1:12:B:ARG:HG3	1:17:A:LEU:HD21	20	0.82	0.1	0.83
(1,80)	1:12:B:ARG:HG3	1:17:A:LEU:HD22	20	0.82	0.1	0.83
(1,3837)	1:33:A:THR:HA	1:34:A:LEU:HG	20	0.82	0.17	0.78
(1,3837)	1:75:A:LEU:HB3	1:33:A:THR:HA	20	0.82	0.17	0.78
(1,4463)	1:83:A:LEU:HD11	1:86:A:GLY:H	20	0.82	0.13	0.82
(1,4463)	1:83:A:LEU:HD13	1:86:A:GLY:H	20	0.82	0.13	0.82
(1,4463)	1:83:A:LEU:HD12	1:86:A:GLY:H	20	0.82	0.13	0.82
(1,3838)	1:33:B:THR:HA	1:34:B:LEU:HG	20	0.82	0.17	0.78
(1,3838)	1:75:B:LEU:HB3	1:33:B:THR:HA	20	0.82	0.17	0.78
(1,4464)	1:83:B:LEU:HD11	1:86:B:GLY:H	20	0.82	0.12	0.82
(1,4464)	1:83:B:LEU:HD13	1:86:B:GLY:H	20	0.82	0.12	0.82
(1,4464)	1:83:B:LEU:HD12	1:86:B:GLY:H	20	0.82	0.12	0.82
(1,3678)	1:74:B:GLN:HG2	1:34:B:LEU:HA	20	0.81	0.13	0.82
(1,341)	1:69:A:THR:HB	1:75:A:LEU:HD22	20	0.81	0.1	0.83
(1,341)	1:69:A:THR:HB	1:75:A:LEU:HD21	20	0.81	0.1	0.83
(1,341)	1:69:A:THR:HB	1:75:A:LEU:HD23	20	0.81	0.1	0.83
(1,3677)	1:74:A:GLN:HG2	1:34:A:LEU:HA	20	0.81	0.13	0.81
(1,342)	1:69:B:THR:HB	1:75:B:LEU:HD22	20	0.81	0.1	0.82
(1,342)	1:69:B:THR:HB	1:75:B:LEU:HD21	20	0.81	0.1	0.82
(1,342)	1:69:B:THR:HB	1:75:B:LEU:HD23	20	0.81	0.1	0.82
(1,3955)	1:48:A:ALA:HA	1:50:A:PHE:HB3	20	0.81	0.12	0.77
(1,3955)	1:48:A:ALA:HA	1:50:A:PHE:HB2	20	0.81	0.12	0.77
(1,3956)	1:48:B:ALA:HA	1:50:B:PHE:HB3	20	0.81	0.12	0.77
(1,3956)	1:48:B:ALA:HA	1:50:B:PHE:HB2	20	0.81	0.12	0.77

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,417)	1:69:A:THR:HA	1:75:A:LEU:HD21	20	0.8	0.08	0.81
(1,417)	1:69:A:THR:HA	1:75:A:LEU:HD23	20	0.8	0.08	0.81
(1,417)	1:69:A:THR:HA	1:75:A:LEU:HD22	20	0.8	0.08	0.81
(1,418)	1:69:B:THR:HA	1:75:B:LEU:HD21	20	0.8	0.08	0.81
(1,418)	1:69:B:THR:HA	1:75:B:LEU:HD23	20	0.8	0.08	0.81
(1,418)	1:69:B:THR:HA	1:75:B:LEU:HD22	20	0.8	0.08	0.81
(1,4781)	1:8:A:THR:HB	1:7:A:PRO:HG2	20	0.8	0.12	0.82
(1,4782)	1:8:B:THR:HB	1:7:B:PRO:HG2	20	0.8	0.12	0.82
(1,5480)	1:86:B:GLY:H	1:67:B:LEU:HD21	20	0.8	0.07	0.8
(1,5480)	1:86:B:GLY:H	1:67:B:LEU:HD23	20	0.8	0.07	0.8
(1,5480)	1:86:B:GLY:H	1:67:B:LEU:HD22	20	0.8	0.07	0.8
(1,5479)	1:86:A:GLY:H	1:67:A:LEU:HD21	20	0.8	0.08	0.8
(1,5479)	1:86:A:GLY:H	1:67:A:LEU:HD23	20	0.8	0.08	0.8
(1,5479)	1:86:A:GLY:H	1:67:A:LEU:HD22	20	0.8	0.08	0.8
(1,3389)	1:17:A:LEU:HD22	1:14:B:ILE:HD13	20	0.79	0.36	0.7
(1,3389)	1:17:A:LEU:HD23	1:17:B:LEU:HD11	20	0.79	0.36	0.7
(1,3389)	1:17:A:LEU:HD21	1:17:B:LEU:HD13	20	0.79	0.36	0.7
(1,3389)	1:17:A:LEU:HD23	1:14:B:ILE:HD11	20	0.79	0.36	0.7
(1,3389)	1:17:A:LEU:HD22	1:17:B:LEU:HD11	20	0.79	0.36	0.7
(1,3389)	1:17:A:LEU:HD22	1:17:B:LEU:HD12	20	0.79	0.36	0.7
(1,3389)	1:17:A:LEU:HD23	1:17:B:LEU:HD12	20	0.79	0.36	0.7
(1,3389)	1:17:A:LEU:HD21	1:14:B:ILE:HD13	20	0.79	0.36	0.7
(1,3389)	1:17:A:LEU:HD21	1:17:B:LEU:HD12	20	0.79	0.36	0.7
(1,3389)	1:17:A:LEU:HD22	1:17:B:LEU:HD13	20	0.79	0.36	0.7
(1,3389)	1:17:A:LEU:HD23	1:17:B:LEU:HD13	20	0.79	0.36	0.7
(1,3390)	1:17:B:LEU:HD22	1:14:A:ILE:HD13	20	0.79	0.36	0.7
(1,3390)	1:17:B:LEU:HD23	1:17:A:LEU:HD11	20	0.79	0.36	0.7
(1,3390)	1:17:B:LEU:HD21	1:17:A:LEU:HD13	20	0.79	0.36	0.7
(1,3390)	1:17:B:LEU:HD23	1:14:A:ILE:HD11	20	0.79	0.36	0.7
(1,3390)	1:17:B:LEU:HD22	1:17:A:LEU:HD11	20	0.79	0.36	0.7
(1,3390)	1:17:B:LEU:HD22	1:17:A:LEU:HD12	20	0.79	0.36	0.7
(1,3390)	1:17:B:LEU:HD23	1:17:A:LEU:HD12	20	0.79	0.36	0.7
(1,3390)	1:17:B:LEU:HD21	1:14:A:ILE:HD13	20	0.79	0.36	0.7
(1,3390)	1:17:B:LEU:HD21	1:17:A:LEU:HD12	20	0.79	0.36	0.7
(1,3390)	1:17:B:LEU:HD22	1:17:A:LEU:HD13	20	0.79	0.36	0.7
(1,3390)	1:17:B:LEU:HD23	1:17:A:LEU:HD13	20	0.79	0.36	0.7
(1,2505)	1:37:A:THR:H	1:34:A:LEU:HD21	20	0.79	0.15	0.82
(1,2505)	1:37:A:THR:H	1:34:A:LEU:HD23	20	0.79	0.15	0.82
(1,2505)	1:37:A:THR:H	1:34:A:LEU:HD22	20	0.79	0.15	0.82
(1,2506)	1:37:B:THR:H	1:34:B:LEU:HD21	20	0.78	0.15	0.82
(1,2506)	1:37:B:THR:H	1:34:B:LEU:HD23	20	0.78	0.15	0.82
(1,2506)	1:37:B:THR:H	1:34:B:LEU:HD22	20	0.78	0.15	0.82

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3500)	1:29:B:GLY:HA2	1:28:B:ASP:HB2	20	0.78	0.11	0.8
(1,3500)	1:73:B:GLY:HA2	1:72:B:ASP:HB2	20	0.78	0.11	0.8
(1,3499)	1:29:A:GLY:HA2	1:28:A:ASP:HB2	20	0.78	0.11	0.8
(1,3499)	1:73:A:GLY:HA2	1:72:A:ASP:HB2	20	0.78	0.11	0.8
(1,4297)	1:44:A:ASN:HA	1:47:A:LEU:HD12	20	0.78	0.23	0.78
(1,4297)	1:44:A:ASN:HA	1:47:A:LEU:HD13	20	0.78	0.23	0.78
(1,4297)	1:44:A:ASN:HA	1:47:A:LEU:HD11	20	0.78	0.23	0.78
(1,4627)	1:60:A:LEU:HD23	1:47:A:LEU:H	20	0.78	0.19	0.76
(1,4627)	1:60:A:LEU:HD21	1:47:A:LEU:H	20	0.78	0.19	0.76
(1,4627)	1:60:A:LEU:HD22	1:47:A:LEU:H	20	0.78	0.19	0.76
(1,4627)	1:83:A:LEU:HD21	1:47:A:LEU:H	20	0.78	0.19	0.76
(1,4298)	1:44:B:ASN:HA	1:47:B:LEU:HD12	20	0.78	0.23	0.78
(1,4298)	1:44:B:ASN:HA	1:47:B:LEU:HD13	20	0.78	0.23	0.78
(1,4298)	1:44:B:ASN:HA	1:47:B:LEU:HD11	20	0.78	0.23	0.78
(1,4628)	1:60:B:LEU:HD23	1:47:B:LEU:H	20	0.78	0.19	0.76
(1,4628)	1:60:B:LEU:HD21	1:47:B:LEU:H	20	0.78	0.19	0.76
(1,4628)	1:60:B:LEU:HD22	1:47:B:LEU:H	20	0.78	0.19	0.76
(1,4628)	1:83:B:LEU:HD21	1:47:B:LEU:H	20	0.78	0.19	0.76
(1,13)	1:14:A:ILE:HG22	1:84:B:ILE:HG21	20	0.78	0.16	0.74
(1,13)	1:14:A:ILE:HG23	1:84:B:ILE:HG23	20	0.78	0.16	0.74
(1,13)	1:14:A:ILE:HG21	1:84:B:ILE:HG21	20	0.78	0.16	0.74
(1,13)	1:14:A:ILE:HG21	1:84:B:ILE:HG22	20	0.78	0.16	0.74
(1,13)	1:14:A:ILE:HG22	1:84:B:ILE:HG22	20	0.78	0.16	0.74
(1,13)	1:14:A:ILE:HG21	1:84:B:ILE:HG23	20	0.78	0.16	0.74
(1,13)	1:14:A:ILE:HG23	1:84:B:ILE:HG22	20	0.78	0.16	0.74
(1,13)	1:14:A:ILE:HG22	1:84:B:ILE:HG23	20	0.78	0.16	0.74
(1,3716)	1:14:B:ILE:HB	1:87:A:LEU:HD12	20	0.78	0.08	0.78
(1,3716)	1:14:B:ILE:HB	1:87:A:LEU:HD13	20	0.78	0.08	0.78
(1,3716)	1:14:B:ILE:HB	1:87:A:LEU:HD11	20	0.78	0.08	0.78
(1,3715)	1:14:A:ILE:HB	1:87:B:LEU:HD12	20	0.78	0.07	0.78
(1,3715)	1:14:A:ILE:HB	1:87:B:LEU:HD13	20	0.78	0.07	0.78
(1,3715)	1:14:A:ILE:HB	1:87:B:LEU:HD11	20	0.78	0.07	0.78
(1,14)	1:14:B:ILE:HG22	1:84:A:ILE:HG21	20	0.78	0.16	0.73
(1,14)	1:14:B:ILE:HG23	1:84:A:ILE:HG23	20	0.78	0.16	0.73
(1,14)	1:14:B:ILE:HG21	1:84:A:ILE:HG21	20	0.78	0.16	0.73
(1,14)	1:14:B:ILE:HG21	1:84:A:ILE:HG22	20	0.78	0.16	0.73
(1,14)	1:14:B:ILE:HG22	1:84:A:ILE:HG22	20	0.78	0.16	0.73
(1,14)	1:14:B:ILE:HG21	1:84:A:ILE:HG23	20	0.78	0.16	0.73
(1,14)	1:14:B:ILE:HG23	1:84:A:ILE:HG22	20	0.78	0.16	0.73
(1,14)	1:14:B:ILE:HG22	1:84:A:ILE:HG23	20	0.78	0.16	0.73
(1,3891)	1:34:A:LEU:HD22	1:40:A:LEU:HA	20	0.76	0.1	0.75
(1,3891)	1:34:A:LEU:HD21	1:40:A:LEU:HA	20	0.76	0.1	0.75

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3891)	1:34:A:LEU:HD23	1:40:A:LEU:HA	20	0.76	0.1	0.75
(1,3891)	1:34:A:LEU:HD21	1:43:A:MET:HA	20	0.76	0.1	0.75
(1,3891)	1:34:A:LEU:HD22	1:43:A:MET:HA	20	0.76	0.1	0.75
(1,3892)	1:34:B:LEU:HD22	1:40:B:LEU:HA	20	0.76	0.1	0.76
(1,3892)	1:34:B:LEU:HD21	1:40:B:LEU:HA	20	0.76	0.1	0.76
(1,3892)	1:34:B:LEU:HD23	1:40:B:LEU:HA	20	0.76	0.1	0.76
(1,3892)	1:34:B:LEU:HD21	1:43:B:MET:HA	20	0.76	0.1	0.76
(1,3892)	1:34:B:LEU:HD22	1:43:B:MET:HA	20	0.76	0.1	0.76
(1,3269)	1:74:A:GLN:H	1:74:A:GLN:HB3	20	0.76	0.02	0.76
(1,3270)	1:74:B:GLN:H	1:74:B:GLN:HB3	20	0.76	0.02	0.76
(1,4375)	1:74:A:GLN:H	1:33:A:THR:HG23	20	0.75	0.15	0.78
(1,4375)	1:74:A:GLN:H	1:33:A:THR:HG22	20	0.75	0.15	0.78
(1,4375)	1:74:A:GLN:H	1:33:A:THR:HG21	20	0.75	0.15	0.78
(1,4376)	1:74:B:GLN:H	1:33:B:THR:HG23	20	0.75	0.15	0.77
(1,4376)	1:74:B:GLN:H	1:33:B:THR:HG22	20	0.75	0.15	0.77
(1,4376)	1:74:B:GLN:H	1:33:B:THR:HG21	20	0.75	0.15	0.77
(1,828)	1:40:B:LEU:HA	1:39:B:PHE:HB2	20	0.75	0.53	1.14
(1,827)	1:40:A:LEU:HA	1:39:A:PHE:HB2	20	0.75	0.52	1.14
(1,12)	1:18:B:ILE:HG22	1:94:A:SER:HB2	20	0.75	0.26	0.82
(1,12)	1:18:B:ILE:HG23	1:94:A:SER:HB2	20	0.75	0.26	0.82
(1,12)	1:18:B:ILE:HG22	1:94:A:SER:HB3	20	0.75	0.26	0.82
(1,12)	1:18:B:ILE:HG21	1:94:A:SER:HB2	20	0.75	0.26	0.82
(1,12)	1:18:B:ILE:HG23	1:94:A:SER:HB3	20	0.75	0.26	0.82
(1,12)	1:18:B:ILE:HG21	1:94:A:SER:HB3	20	0.75	0.26	0.82
(1,11)	1:18:A:ILE:HG22	1:94:B:SER:HB2	20	0.75	0.26	0.84
(1,11)	1:18:A:ILE:HG23	1:94:B:SER:HB2	20	0.75	0.26	0.84
(1,11)	1:18:A:ILE:HG22	1:94:B:SER:HB3	20	0.75	0.26	0.84
(1,11)	1:18:A:ILE:HG21	1:94:B:SER:HB2	20	0.75	0.26	0.84
(1,11)	1:18:A:ILE:HG23	1:94:B:SER:HB3	20	0.75	0.26	0.84
(1,11)	1:18:A:ILE:HG21	1:94:B:SER:HB3	20	0.75	0.26	0.84
(1,4461)	1:100:A:PRO:HD3	1:99:A:VAL:HG22	20	0.75	0.12	0.76
(1,4461)	1:100:A:PRO:HD3	1:99:A:VAL:HG21	20	0.75	0.12	0.76
(1,4461)	1:100:A:PRO:HD3	1:99:A:VAL:HG23	20	0.75	0.12	0.76
(1,4462)	1:100:B:PRO:HD3	1:99:B:VAL:HG22	20	0.75	0.12	0.76
(1,4462)	1:100:B:PRO:HD3	1:99:B:VAL:HG21	20	0.75	0.12	0.76
(1,4462)	1:100:B:PRO:HD3	1:99:B:VAL:HG23	20	0.75	0.12	0.76
(1,3937)	1:65:A:LYS:HG2	1:64:A:MET:HA	20	0.74	0.27	0.74
(1,3937)	1:39:A:PHE:HB2	1:36:A:LYS:HG3	20	0.74	0.27	0.74
(1,2636)	1:43:B:MET:H	1:34:B:LEU:HD22	20	0.74	0.16	0.76
(1,2636)	1:43:B:MET:H	1:34:B:LEU:HD21	20	0.74	0.16	0.76
(1,2636)	1:43:B:MET:H	1:34:B:LEU:HD23	20	0.74	0.16	0.76
(1,5657)	1:47:A:LEU:H	1:47:A:LEU:HD23	20	0.74	0.08	0.75

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,5657)	1:47:A:LEU:H	1:47:A:LEU:HD22	20	0.74	0.08	0.75
(1,5657)	1:47:A:LEU:H	1:47:A:LEU:HD21	20	0.74	0.08	0.75
(1,3938)	1:65:B:LYS:HG2	1:64:B:MET:HA	20	0.74	0.28	0.74
(1,3938)	1:39:B:PHE:HB2	1:36:B:LYS:HG3	20	0.74	0.28	0.74
(1,5658)	1:47:B:LEU:H	1:47:B:LEU:HD23	20	0.74	0.08	0.76
(1,5658)	1:47:B:LEU:H	1:47:B:LEU:HD22	20	0.74	0.08	0.76
(1,5658)	1:47:B:LEU:H	1:47:B:LEU:HD21	20	0.74	0.08	0.76
(1,2635)	1:43:A:MET:H	1:34:A:LEU:HD22	20	0.74	0.16	0.76
(1,2635)	1:43:A:MET:H	1:34:A:LEU:HD21	20	0.74	0.16	0.76
(1,2635)	1:43:A:MET:H	1:34:A:LEU:HD23	20	0.74	0.16	0.76
(1,5385)	1:40:A:LEU:H	1:34:A:LEU:HD12	20	0.74	0.28	0.58
(1,5385)	1:40:A:LEU:H	1:34:A:LEU:HD11	20	0.74	0.28	0.58
(1,5385)	1:40:A:LEU:H	1:75:A:LEU:HD13	20	0.74	0.28	0.58
(1,5385)	1:40:A:LEU:H	1:75:A:LEU:HD12	20	0.74	0.28	0.58
(1,5385)	1:40:A:LEU:H	1:75:A:LEU:HD11	20	0.74	0.28	0.58
(1,5386)	1:40:B:LEU:H	1:34:B:LEU:HD12	20	0.74	0.28	0.58
(1,5386)	1:40:B:LEU:H	1:34:B:LEU:HD11	20	0.74	0.28	0.58
(1,5386)	1:40:B:LEU:H	1:75:B:LEU:HD13	20	0.74	0.28	0.58
(1,5386)	1:40:B:LEU:H	1:75:B:LEU:HD12	20	0.74	0.28	0.58
(1,5386)	1:40:B:LEU:H	1:75:B:LEU:HD11	20	0.74	0.28	0.58
(1,4503)	1:75:A:LEU:HD11	1:83:A:LEU:H	20	0.74	0.25	0.74
(1,4503)	1:24:A:TYR:H	1:34:A:LEU:HD13	20	0.74	0.25	0.74
(1,4503)	1:24:A:TYR:H	1:34:A:LEU:HD11	20	0.74	0.25	0.74
(1,4503)	1:24:A:TYR:H	1:34:A:LEU:HD12	20	0.74	0.25	0.74
(1,4503)	1:82:A:ASN:H	1:81:A:LEU:HD12	20	0.74	0.25	0.74
(1,347)	1:75:A:LEU:HD12	1:74:A:GLN:HA	20	0.74	0.06	0.73
(1,347)	1:75:A:LEU:HD13	1:74:A:GLN:HA	20	0.74	0.06	0.73
(1,347)	1:75:A:LEU:HD11	1:74:A:GLN:HA	20	0.74	0.06	0.73
(1,348)	1:75:B:LEU:HD12	1:74:B:GLN:HA	20	0.74	0.06	0.74
(1,348)	1:75:B:LEU:HD13	1:74:B:GLN:HA	20	0.74	0.06	0.74
(1,348)	1:75:B:LEU:HD11	1:74:B:GLN:HA	20	0.74	0.06	0.74
(1,4487)	1:84:A:ILE:HB	1:17:A:LEU:HD21	20	0.74	0.13	0.71
(1,4487)	1:84:A:ILE:HB	1:17:A:LEU:HD22	20	0.74	0.13	0.71
(1,4487)	1:84:A:ILE:HB	1:17:A:LEU:HD23	20	0.74	0.13	0.71
(1,4488)	1:84:B:ILE:HB	1:17:B:LEU:HD21	20	0.74	0.13	0.71
(1,4488)	1:84:B:ILE:HB	1:17:B:LEU:HD22	20	0.74	0.13	0.71
(1,4488)	1:84:B:ILE:HB	1:17:B:LEU:HD23	20	0.74	0.13	0.71
(1,4504)	1:75:B:LEU:HD11	1:83:B:LEU:H	20	0.74	0.25	0.74
(1,4504)	1:24:B:TYR:H	1:34:B:LEU:HD13	20	0.74	0.25	0.74
(1,4504)	1:24:B:TYR:H	1:34:B:LEU:HD11	20	0.74	0.25	0.74
(1,4504)	1:24:B:TYR:H	1:34:B:LEU:HD12	20	0.74	0.25	0.74
(1,4504)	1:82:B:ASN:H	1:81:B:LEU:HD12	20	0.74	0.25	0.74

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3057)	1:51:A:THR:H	1:51:A:THR:HG21	20	0.74	0.02	0.74
(1,3057)	1:51:A:THR:H	1:51:A:THR:HG23	20	0.74	0.02	0.74
(1,3057)	1:51:A:THR:H	1:51:A:THR:HG22	20	0.74	0.02	0.74
(1,3058)	1:51:B:THR:H	1:51:B:THR:HG21	20	0.74	0.02	0.74
(1,3058)	1:51:B:THR:H	1:51:B:THR:HG23	20	0.74	0.02	0.74
(1,3058)	1:51:B:THR:H	1:51:B:THR:HG22	20	0.74	0.02	0.74
(1,4741)	1:44:A:ASN:HA	1:60:A:LEU:HD13	20	0.73	0.19	0.74
(1,4741)	1:44:A:ASN:HA	1:60:A:LEU:HD11	20	0.73	0.19	0.74
(1,4741)	1:60:A:LEU:HD11	1:60:A:LEU:HA	20	0.73	0.19	0.74
(1,4741)	1:44:A:ASN:HA	1:60:A:LEU:HD12	20	0.73	0.19	0.74
(1,4742)	1:44:B:ASN:HA	1:60:B:LEU:HD13	20	0.73	0.19	0.74
(1,4742)	1:44:B:ASN:HA	1:60:B:LEU:HD11	20	0.73	0.19	0.74
(1,4742)	1:60:B:LEU:HD11	1:60:B:LEU:HA	20	0.73	0.19	0.74
(1,4742)	1:44:B:ASN:HA	1:60:B:LEU:HD12	20	0.73	0.19	0.74
(1,5460)	1:22:B:GLN:H	1:20:B:VAL:HG21	20	0.73	0.18	0.69
(1,5460)	1:22:B:GLN:H	1:20:B:VAL:HG22	20	0.73	0.18	0.69
(1,5460)	1:22:B:GLN:H	1:23:B:LYS:HD3	20	0.73	0.18	0.69
(1,5460)	1:22:B:GLN:H	1:20:B:VAL:HG23	20	0.73	0.18	0.69
(1,5459)	1:22:A:GLN:H	1:20:A:VAL:HG21	20	0.73	0.18	0.68
(1,5459)	1:22:A:GLN:H	1:20:A:VAL:HG22	20	0.73	0.18	0.68
(1,5459)	1:22:A:GLN:H	1:23:A:LYS:HD3	20	0.73	0.18	0.68
(1,5459)	1:22:A:GLN:H	1:20:A:VAL:HG23	20	0.73	0.18	0.68
(1,3983)	1:60:A:LEU:HD13	1:52:A:LYS:H	20	0.72	0.28	0.65
(1,3983)	1:60:A:LEU:HD11	1:52:A:LYS:H	20	0.72	0.28	0.65
(1,3983)	1:60:A:LEU:HD12	1:52:A:LYS:H	20	0.72	0.28	0.65
(1,3984)	1:60:B:LEU:HD13	1:52:B:LYS:H	20	0.72	0.28	0.64
(1,3984)	1:60:B:LEU:HD11	1:52:B:LYS:H	20	0.72	0.28	0.64
(1,3984)	1:60:B:LEU:HD12	1:52:B:LYS:H	20	0.72	0.28	0.64
(1,3667)	1:17:A:LEU:HD11	1:16:A:SER:H	20	0.72	0.08	0.71
(1,3667)	1:17:A:LEU:HD13	1:16:A:SER:H	20	0.72	0.08	0.71
(1,3667)	1:17:A:LEU:HD12	1:16:A:SER:H	20	0.72	0.08	0.71
(1,3668)	1:17:B:LEU:HD11	1:16:B:SER:H	20	0.72	0.09	0.71
(1,3668)	1:17:B:LEU:HD13	1:16:B:SER:H	20	0.72	0.09	0.71
(1,3668)	1:17:B:LEU:HD12	1:16:B:SER:H	20	0.72	0.09	0.71
(2,86)	1:42:B:PHE:HB2	1:47:B:LEU:H	20	0.71	0.24	0.81
(2,85)	1:42:A:PHE:HB2	1:47:A:LEU:H	20	0.71	0.24	0.81
(1,5599)	1:61:A:ASP:H	1:59:A:VAL:HG11	20	0.71	0.04	0.71
(1,5599)	1:61:A:ASP:H	1:59:A:VAL:HG13	20	0.71	0.04	0.71
(1,5599)	1:61:A:ASP:H	1:59:A:VAL:HG12	20	0.71	0.04	0.71
(1,816)	1:9:B:GLU:HG2	1:10:B:THR:HG22	20	0.7	0.13	0.78
(1,816)	1:9:B:GLU:HG3	1:10:B:THR:HG22	20	0.7	0.13	0.78
(1,816)	1:9:B:GLU:HG3	1:10:B:THR:HG23	20	0.7	0.13	0.78

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,816)	1:9:B:GLU:HG3	1:10:B:THR:HG21	20	0.7	0.13	0.78
(1,816)	1:9:B:GLU:HG2	1:10:B:THR:HG23	20	0.7	0.13	0.78
(1,1605)	1:74:A:GLN:HG3	1:33:A:THR:HG23	20	0.7	0.11	0.68
(1,1605)	1:74:A:GLN:HG3	1:33:A:THR:HG22	20	0.7	0.11	0.68
(1,1605)	1:74:A:GLN:HG3	1:33:A:THR:HG21	20	0.7	0.11	0.68
(1,1605)	1:74:A:GLN:HG2	1:33:A:THR:HG23	20	0.7	0.11	0.68
(1,815)	1:9:A:GLU:HG2	1:10:A:THR:HG22	20	0.7	0.13	0.77
(1,815)	1:9:A:GLU:HG3	1:10:A:THR:HG22	20	0.7	0.13	0.77
(1,815)	1:9:A:GLU:HG3	1:10:A:THR:HG23	20	0.7	0.13	0.77
(1,815)	1:9:A:GLU:HG3	1:10:A:THR:HG21	20	0.7	0.13	0.77
(1,815)	1:9:A:GLU:HG2	1:10:A:THR:HG23	20	0.7	0.13	0.77
(1,5600)	1:61:B:ASP:H	1:59:B:VAL:HG11	20	0.7	0.04	0.71
(1,5600)	1:61:B:ASP:H	1:59:B:VAL:HG13	20	0.7	0.04	0.71
(1,5600)	1:61:B:ASP:H	1:59:B:VAL:HG12	20	0.7	0.04	0.71
(1,1606)	1:74:B:GLN:HG3	1:33:B:THR:HG23	20	0.7	0.11	0.68
(1,1606)	1:74:B:GLN:HG3	1:33:B:THR:HG22	20	0.7	0.11	0.68
(1,1606)	1:74:B:GLN:HG3	1:33:B:THR:HG21	20	0.7	0.11	0.68
(1,1606)	1:74:B:GLN:HG2	1:33:B:THR:HG23	20	0.7	0.11	0.68
(1,4695)	1:20:A:VAL:HG11	1:47:A:LEU:HD22	20	0.7	0.33	0.69
(1,4695)	1:20:A:VAL:HG13	1:47:A:LEU:HD21	20	0.7	0.33	0.69
(1,4695)	1:20:A:VAL:HG12	1:47:A:LEU:HD23	20	0.7	0.33	0.69
(1,4695)	1:20:A:VAL:HG12	1:47:A:LEU:HD22	20	0.7	0.33	0.69
(1,4695)	1:20:A:VAL:HG13	1:47:A:LEU:HD23	20	0.7	0.33	0.69
(1,4695)	1:20:A:VAL:HG13	1:47:A:LEU:HD22	20	0.7	0.33	0.69
(1,4695)	1:20:A:VAL:HG12	1:17:A:LEU:HD13	20	0.7	0.33	0.69
(1,4695)	1:20:A:VAL:HG11	1:47:A:LEU:HD21	20	0.7	0.33	0.69
(1,4695)	1:20:A:VAL:HG12	1:17:A:LEU:HD11	20	0.7	0.33	0.69
(1,4695)	1:20:A:VAL:HG12	1:47:A:LEU:HD21	20	0.7	0.33	0.69
(1,4695)	1:20:A:VAL:HG11	1:47:A:LEU:HD23	20	0.7	0.33	0.69
(1,4695)	1:20:A:VAL:HG13	1:17:A:LEU:HD13	20	0.7	0.33	0.69
(1,2695)	1:82:A:ASN:H	1:83:A:LEU:HB2	20	0.7	0.05	0.71
(1,2696)	1:82:B:ASN:H	1:83:B:LEU:HB2	20	0.7	0.05	0.72
(1,4245)	1:89:A:MET:HB2	1:85:A:GLY:H	20	0.7	0.11	0.69
(1,4245)	1:100:A:PRO:HB2	1:22:B:GLN:H	20	0.7	0.11	0.69
(2,15)	1:61:A:ASP:HB2	1:62:A:ARG:HD2	20	0.7	0.21	0.65
(2,16)	1:61:B:ASP:HB2	1:62:B:ARG:HD2	20	0.7	0.21	0.65
(1,5373)	1:10:A:THR:H	1:47:B:LEU:HD22	20	0.7	0.16	0.66
(1,5373)	1:10:A:THR:H	1:47:B:LEU:HD21	20	0.7	0.16	0.66
(1,5373)	1:10:A:THR:H	1:47:B:LEU:HD23	20	0.7	0.16	0.66
(1,4301)	1:34:A:LEU:HD13	1:80:A:PHE:HB3	20	0.7	0.19	0.72
(1,4301)	1:34:A:LEU:HD12	1:80:A:PHE:HB3	20	0.7	0.19	0.72
(1,4301)	1:75:A:LEU:HD13	1:68:A:ASP:HB2	20	0.7	0.19	0.72

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4301)	1:75:A:LEU:HD12	1:68:A:ASP:HB2	20	0.7	0.19	0.72
(1,4301)	1:34:A:LEU:HD11	1:80:A:PHE:HB3	20	0.7	0.19	0.72
(1,4302)	1:34:B:LEU:HD13	1:80:B:PHE:HB3	20	0.7	0.19	0.72
(1,4302)	1:34:B:LEU:HD12	1:80:B:PHE:HB3	20	0.7	0.19	0.72
(1,4302)	1:75:B:LEU:HD13	1:68:B:ASP:HB2	20	0.7	0.19	0.72
(1,4302)	1:75:B:LEU:HD12	1:68:B:ASP:HB2	20	0.7	0.19	0.72
(1,4302)	1:34:B:LEU:HD11	1:80:B:PHE:HB3	20	0.7	0.19	0.72
(1,4246)	1:89:B:MET:HB2	1:85:B:GLY:H	20	0.7	0.1	0.68
(1,4246)	1:100:B:PRO:HB2	1:22:A:GLN:H	20	0.7	0.1	0.68
(1,5374)	1:10:B:THR:H	1:47:A:LEU:HD22	20	0.7	0.16	0.66
(1,5374)	1:10:B:THR:H	1:47:A:LEU:HD21	20	0.7	0.16	0.66
(1,5374)	1:10:B:THR:H	1:47:A:LEU:HD23	20	0.7	0.16	0.66
(1,4023)	1:83:A:LEU:HB3	1:82:A:ASN:HB2	20	0.69	0.42	0.58
(1,4024)	1:83:B:LEU:HB3	1:82:B:ASN:HB2	20	0.69	0.42	0.59
(1,296)	1:58:B:GLY:HA2	1:59:B:VAL:HB	20	0.69	0.03	0.69
(1,295)	1:58:A:GLY:HA2	1:59:A:VAL:HB	20	0.69	0.03	0.7
(1,3595)	1:13:A:CYS:HB2	1:20:B:VAL:HG12	20	0.68	0.39	0.59
(1,3595)	1:13:A:CYS:HB2	1:20:B:VAL:HG13	20	0.68	0.39	0.59
(1,3595)	1:13:A:CYS:HB2	1:20:B:VAL:HG11	20	0.68	0.39	0.59
(1,3596)	1:13:B:CYS:HB2	1:20:A:VAL:HG12	20	0.68	0.39	0.59
(1,3596)	1:13:B:CYS:HB2	1:20:A:VAL:HG13	20	0.68	0.39	0.59
(1,3596)	1:13:B:CYS:HB2	1:20:A:VAL:HG11	20	0.68	0.39	0.59
(1,4550)	1:90:B:ALA:HB3	1:91:B:CYS:HB2	20	0.68	0.16	0.68
(1,4550)	1:88:B:ALA:HB3	1:91:B:CYS:HB2	20	0.68	0.16	0.68
(1,4550)	1:88:B:ALA:HB1	1:91:B:CYS:HB2	20	0.68	0.16	0.68
(1,4550)	1:88:B:ALA:HB2	1:91:B:CYS:HB3	20	0.68	0.16	0.68
(1,4550)	1:88:B:ALA:HB2	1:91:B:CYS:HB2	20	0.68	0.16	0.68
(1,4550)	1:90:B:ALA:HB1	1:91:B:CYS:HB2	20	0.68	0.16	0.68
(1,4550)	1:90:B:ALA:HB2	1:91:B:CYS:HB3	20	0.68	0.16	0.68
(1,4550)	1:90:B:ALA:HB2	1:91:B:CYS:HB2	20	0.68	0.16	0.68
(1,4550)	1:88:B:ALA:HB3	1:91:B:CYS:HB3	20	0.68	0.16	0.68
(1,4549)	1:90:A:ALA:HB3	1:91:A:CYS:HB2	20	0.68	0.16	0.68
(1,4549)	1:88:A:ALA:HB3	1:91:A:CYS:HB2	20	0.68	0.16	0.68
(1,4549)	1:88:A:ALA:HB1	1:91:A:CYS:HB2	20	0.68	0.16	0.68
(1,4549)	1:88:A:ALA:HB2	1:91:A:CYS:HB3	20	0.68	0.16	0.68
(1,4549)	1:88:A:ALA:HB2	1:91:A:CYS:HB2	20	0.68	0.16	0.68
(1,4549)	1:90:A:ALA:HB1	1:91:A:CYS:HB2	20	0.68	0.16	0.68
(1,4549)	1:90:A:ALA:HB2	1:91:A:CYS:HB3	20	0.68	0.16	0.68
(1,4549)	1:90:A:ALA:HB2	1:91:A:CYS:HB2	20	0.68	0.16	0.68
(1,4549)	1:88:A:ALA:HB3	1:91:A:CYS:HB3	20	0.68	0.16	0.68
(1,4134)	1:82:B:ASN:HA	1:81:B:LEU:HD21	20	0.68	0.04	0.69
(1,4134)	1:82:B:ASN:HA	1:81:B:LEU:HD22	20	0.68	0.04	0.69

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4134)	1:82:B:ASN:HA	1:81:B:LEU:HD23	20	0.68	0.04	0.69
(1,4133)	1:82:A:ASN:HA	1:81:A:LEU:HD21	20	0.68	0.04	0.68
(1,4133)	1:82:A:ASN:HA	1:81:A:LEU:HD22	20	0.68	0.04	0.68
(1,4133)	1:82:A:ASN:HA	1:81:A:LEU:HD23	20	0.68	0.04	0.68
(1,3899)	1:75:A:LEU:HB2	1:64:A:MET:HB2	20	0.68	0.21	0.76
(1,3899)	1:75:A:LEU:HB2	1:74:A:GLN:HG2	20	0.68	0.21	0.76
(1,3899)	1:34:A:LEU:HB2	1:74:A:GLN:HG2	20	0.68	0.21	0.76
(1,3900)	1:75:B:LEU:HB2	1:64:B:MET:HB2	20	0.68	0.21	0.76
(1,3900)	1:75:B:LEU:HB2	1:74:B:GLN:HG2	20	0.68	0.21	0.76
(1,3900)	1:34:B:LEU:HB2	1:74:B:GLN:HG2	20	0.68	0.21	0.76
(1,4128)	1:95:B:PHE:H	1:98:B:ALA:HB3	20	0.67	0.07	0.7
(1,4128)	1:95:B:PHE:H	1:98:B:ALA:HB1	20	0.67	0.07	0.7
(1,4128)	1:95:B:PHE:H	1:98:B:ALA:HB2	20	0.67	0.07	0.7
(1,3735)	1:37:A:THR:HB	1:35:A:SER:HA	20	0.67	0.11	0.64
(1,4127)	1:95:A:PHE:H	1:98:A:ALA:HB3	20	0.67	0.07	0.7
(1,4127)	1:95:A:PHE:H	1:98:A:ALA:HB1	20	0.67	0.07	0.7
(1,4127)	1:95:A:PHE:H	1:98:A:ALA:HB2	20	0.67	0.07	0.7
(1,4273)	1:89:A:MET:HB2	1:81:B:LEU:HD11	20	0.67	0.12	0.67
(1,4273)	1:89:A:MET:HB2	1:81:B:LEU:HD13	20	0.67	0.12	0.67
(1,4273)	1:89:A:MET:HB2	1:81:B:LEU:HD12	20	0.67	0.12	0.67
(1,3736)	1:37:B:THR:HB	1:35:B:SER:HA	20	0.67	0.11	0.64
(1,4274)	1:89:B:MET:HB2	1:81:A:LEU:HD11	20	0.67	0.12	0.68
(1,4274)	1:89:B:MET:HB2	1:81:A:LEU:HD13	20	0.67	0.12	0.68
(1,4274)	1:89:B:MET:HB2	1:81:A:LEU:HD12	20	0.67	0.12	0.68
(1,2759)	1:34:A:LEU:H	1:34:A:LEU:HD21	20	0.67	0.08	0.66
(1,2759)	1:34:A:LEU:H	1:34:A:LEU:HD23	20	0.67	0.08	0.66
(1,2759)	1:34:A:LEU:H	1:34:A:LEU:HD22	20	0.67	0.08	0.66
(1,2760)	1:34:B:LEU:H	1:34:B:LEU:HD21	20	0.67	0.08	0.66
(1,2760)	1:34:B:LEU:H	1:34:B:LEU:HD23	20	0.67	0.08	0.66
(1,2760)	1:34:B:LEU:H	1:34:B:LEU:HD22	20	0.67	0.08	0.66
(1,209)	1:76:A:ASP:HA	1:34:A:LEU:HB3	20	0.67	0.17	0.64
(1,210)	1:76:B:ASP:HA	1:34:B:LEU:HB3	20	0.67	0.17	0.63
(1,481)	1:8:A:THR:HA	1:10:A:THR:HG21	20	0.67	0.09	0.64
(1,481)	1:8:A:THR:HA	1:10:A:THR:HG22	20	0.67	0.09	0.64
(1,481)	1:8:A:THR:HA	1:10:A:THR:HG23	20	0.67	0.09	0.64
(1,482)	1:8:B:THR:HA	1:10:B:THR:HG21	20	0.66	0.09	0.64
(1,482)	1:8:B:THR:HA	1:10:B:THR:HG22	20	0.66	0.09	0.64
(1,482)	1:8:B:THR:HA	1:10:B:THR:HG23	20	0.66	0.09	0.64
(1,3516)	1:51:B:THR:HG23	1:50:B:PHE:HB3	20	0.66	0.14	0.64
(1,3516)	1:51:B:THR:HG22	1:50:B:PHE:HB3	20	0.66	0.14	0.64
(1,3516)	1:17:B:LEU:HD21	1:12:A:ARG:HD2	20	0.66	0.14	0.64
(1,3516)	1:51:B:THR:HG22	1:50:B:PHE:HB2	20	0.66	0.14	0.64

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3516)	1:51:B:THR:HG21	1:50:B:PHE:HB3	20	0.66	0.14	0.64
(1,3515)	1:51:A:THR:HG23	1:50:A:PHE:HB3	20	0.66	0.14	0.64
(1,3515)	1:51:A:THR:HG22	1:50:A:PHE:HB3	20	0.66	0.14	0.64
(1,3515)	1:17:A:LEU:HD21	1:12:B:ARG:HD2	20	0.66	0.14	0.64
(1,3515)	1:51:A:THR:HG22	1:50:A:PHE:HB2	20	0.66	0.14	0.64
(1,3515)	1:51:A:THR:HG21	1:50:A:PHE:HB3	20	0.66	0.14	0.64
(1,3358)	1:88:B:ALA:HB1	1:14:A:ILE:HB	20	0.66	0.08	0.67
(1,3358)	1:88:B:ALA:HB2	1:14:A:ILE:HB	20	0.66	0.08	0.67
(1,3358)	1:88:B:ALA:HB3	1:14:A:ILE:HB	20	0.66	0.08	0.67
(1,5585)	1:46:A:GLU:H	1:45:A:THR:HG21	20	0.66	0.08	0.65
(1,5585)	1:46:A:GLU:H	1:45:A:THR:HG22	20	0.66	0.08	0.65
(1,5585)	1:46:A:GLU:H	1:45:A:THR:HG23	20	0.66	0.08	0.65
(1,5586)	1:46:B:GLU:H	1:45:B:THR:HG21	20	0.66	0.08	0.65
(1,5586)	1:46:B:GLU:H	1:45:B:THR:HG22	20	0.66	0.08	0.65
(1,5586)	1:46:B:GLU:H	1:45:B:THR:HG23	20	0.66	0.08	0.65
(1,4049)	1:74:A:GLN:HG3	1:68:A:ASP:HB2	20	0.66	0.16	0.64
(1,4049)	1:89:A:MET:HB2	1:91:A:CYS:HB2	20	0.66	0.16	0.64
(1,4049)	1:89:A:MET:HB2	1:91:A:CYS:HB3	20	0.66	0.16	0.64
(1,4050)	1:74:B:GLN:HG3	1:68:B:ASP:HB2	20	0.66	0.16	0.64
(1,4050)	1:89:B:MET:HB2	1:91:B:CYS:HB2	20	0.66	0.16	0.64
(1,4050)	1:89:B:MET:HB2	1:91:B:CYS:HB3	20	0.66	0.16	0.64
(1,3357)	1:88:A:ALA:HB1	1:14:B:ILE:HB	20	0.66	0.08	0.66
(1,3357)	1:88:A:ALA:HB2	1:14:B:ILE:HB	20	0.66	0.08	0.66
(1,3357)	1:88:A:ALA:HB3	1:14:B:ILE:HB	20	0.66	0.08	0.66
(1,4385)	1:96:A:LEU:H	1:98:A:ALA:HA	20	0.65	0.04	0.65
(1,3670)	1:69:B:THR:HA	1:70:B:ASN:HB2	20	0.65	0.07	0.65
(1,4386)	1:96:B:LEU:H	1:98:B:ALA:HA	20	0.65	0.04	0.65
(1,3646)	1:12:B:ARG:HD2	1:14:B:ILE:HA	20	0.65	0.12	0.62
(1,3646)	1:12:B:ARG:HD3	1:14:B:ILE:HA	20	0.65	0.12	0.62
(1,3648)	1:12:B:ARG:HD2	1:14:B:ILE:HA	20	0.65	0.12	0.62
(1,3648)	1:12:B:ARG:HD3	1:14:B:ILE:HA	20	0.65	0.12	0.62
(1,3870)	1:12:B:ARG:HD2	1:14:B:ILE:HA	20	0.65	0.12	0.62
(1,3870)	1:12:B:ARG:HD3	1:14:B:ILE:HA	20	0.65	0.12	0.62
(1,3645)	1:12:A:ARG:HD2	1:14:A:ILE:HA	20	0.65	0.11	0.62
(1,3645)	1:12:A:ARG:HD3	1:14:A:ILE:HA	20	0.65	0.11	0.62
(1,3647)	1:12:A:ARG:HD2	1:14:A:ILE:HA	20	0.65	0.11	0.62
(1,3647)	1:12:A:ARG:HD3	1:14:A:ILE:HA	20	0.65	0.11	0.62
(1,3669)	1:69:A:THR:HA	1:70:A:ASN:HB2	20	0.65	0.07	0.65
(1,3869)	1:12:A:ARG:HD2	1:14:A:ILE:HA	20	0.65	0.11	0.62
(1,3869)	1:12:A:ARG:HD3	1:14:A:ILE:HA	20	0.65	0.11	0.62
(1,4202)	1:11:B:GLU:HG2	1:8:B:THR:HG23	20	0.65	0.18	0.62
(1,4202)	1:11:B:GLU:HG2	1:8:B:THR:HG22	20	0.65	0.18	0.62

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4202)	1:11:B:GLU:HG2	1:8:B:THR:HG21	20	0.65	0.18	0.62
(1,4201)	1:11:A:GLU:HG2	1:8:A:THR:HG23	20	0.65	0.18	0.62
(1,4201)	1:11:A:GLU:HG2	1:8:A:THR:HG22	20	0.65	0.18	0.62
(1,4201)	1:11:A:GLU:HG2	1:8:A:THR:HG21	20	0.65	0.18	0.62
(1,2673)	1:92:A:HIS:H	1:14:B:ILE:HG22	20	0.65	0.17	0.7
(1,2673)	1:92:A:HIS:H	1:14:B:ILE:HG23	20	0.65	0.17	0.7
(1,2673)	1:92:A:HIS:H	1:14:B:ILE:HG21	20	0.65	0.17	0.7
(1,2674)	1:92:B:HIS:H	1:14:A:ILE:HG22	20	0.65	0.17	0.7
(1,2674)	1:92:B:HIS:H	1:14:A:ILE:HG23	20	0.65	0.17	0.7
(1,2674)	1:92:B:HIS:H	1:14:A:ILE:HG21	20	0.65	0.17	0.7
(1,624)	1:34:B:LEU:HB2	1:38:B:GLU:HB2	20	0.64	0.21	0.62
(1,1918)	1:94:B:SER:H	1:93:B:ASP:HB2	20	0.64	0.1	0.66
(1,623)	1:34:A:LEU:HB2	1:38:A:GLU:HB2	20	0.64	0.22	0.62
(1,1917)	1:94:A:SER:H	1:93:A:ASP:HB2	20	0.64	0.1	0.65
(1,4652)	1:37:B:THR:HG22	1:41:B:SER:H	20	0.64	0.11	0.64
(1,4652)	1:37:B:THR:HG23	1:41:B:SER:H	20	0.64	0.11	0.64
(1,4652)	1:37:B:THR:HG21	1:41:B:SER:H	20	0.64	0.11	0.64
(1,4341)	1:83:A:LEU:HD11	1:86:A:GLY:H	20	0.64	0.13	0.64
(1,4341)	1:83:A:LEU:HD13	1:86:A:GLY:H	20	0.64	0.13	0.64
(1,4341)	1:83:A:LEU:HD12	1:86:A:GLY:H	20	0.64	0.13	0.64
(1,4651)	1:37:A:THR:HG22	1:41:A:SER:H	20	0.64	0.1	0.62
(1,4651)	1:37:A:THR:HG23	1:41:A:SER:H	20	0.64	0.1	0.62
(1,4651)	1:37:A:THR:HG21	1:41:A:SER:H	20	0.64	0.1	0.62
(1,3861)	1:98:A:ALA:HB3	1:96:A:LEU:HD22	20	0.64	0.11	0.65
(1,3861)	1:98:A:ALA:HB1	1:96:A:LEU:HD22	20	0.64	0.11	0.65
(1,3861)	1:98:A:ALA:HB3	1:96:A:LEU:HD23	20	0.64	0.11	0.65
(1,3861)	1:98:A:ALA:HB2	1:96:A:LEU:HD22	20	0.64	0.11	0.65
(1,3861)	1:98:A:ALA:HB1	1:96:A:LEU:HD23	20	0.64	0.11	0.65
(1,3861)	1:98:A:ALA:HB3	1:96:A:LEU:HD21	20	0.64	0.11	0.65
(1,3861)	1:98:A:ALA:HB1	1:96:A:LEU:HD21	20	0.64	0.11	0.65
(1,3861)	1:98:A:ALA:HB2	1:96:A:LEU:HD12	20	0.64	0.11	0.65
(1,3861)	1:98:A:ALA:HB2	1:96:A:LEU:HD21	20	0.64	0.11	0.65
(1,3861)	1:98:A:ALA:HB3	1:96:A:LEU:HD11	20	0.64	0.11	0.65
(1,3862)	1:98:B:ALA:HB3	1:96:B:LEU:HD22	20	0.64	0.11	0.64
(1,3862)	1:98:B:ALA:HB1	1:96:B:LEU:HD22	20	0.64	0.11	0.64
(1,3862)	1:98:B:ALA:HB3	1:96:B:LEU:HD23	20	0.64	0.11	0.64
(1,3862)	1:98:B:ALA:HB2	1:96:B:LEU:HD22	20	0.64	0.11	0.64
(1,3862)	1:98:B:ALA:HB1	1:96:B:LEU:HD23	20	0.64	0.11	0.64
(1,3862)	1:98:B:ALA:HB3	1:96:B:LEU:HD21	20	0.64	0.11	0.64
(1,3862)	1:98:B:ALA:HB1	1:96:B:LEU:HD21	20	0.64	0.11	0.64
(1,3862)	1:98:B:ALA:HB2	1:96:B:LEU:HD12	20	0.64	0.11	0.64
(1,3862)	1:98:B:ALA:HB2	1:96:B:LEU:HD21	20	0.64	0.11	0.64

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3862)	1:98:B:ALA:HB3	1:96:B:LEU:HD11	20	0.64	0.11	0.64
(1,4342)	1:83:B:LEU:HD11	1:86:B:GLY:H	20	0.64	0.13	0.65
(1,4342)	1:83:B:LEU:HD13	1:86:B:GLY:H	20	0.64	0.13	0.65
(1,4342)	1:83:B:LEU:HD12	1:86:B:GLY:H	20	0.64	0.13	0.65
(1,5349)	1:26:A:GLY:H	1:22:A:GLN:HB3	20	0.64	0.28	0.64
(1,5349)	1:26:A:GLY:H	1:38:A:GLU:HB3	20	0.64	0.28	0.64
(1,5349)	1:26:A:GLY:H	1:22:A:GLN:HB2	20	0.64	0.28	0.64
(1,5349)	1:26:A:GLY:H	1:23:A:LYS:HB2	20	0.64	0.28	0.64
(1,5350)	1:26:B:GLY:H	1:22:B:GLN:HB3	20	0.64	0.28	0.62
(1,5350)	1:26:B:GLY:H	1:38:B:GLU:HB3	20	0.64	0.28	0.62
(1,5350)	1:26:B:GLY:H	1:22:B:GLN:HB2	20	0.64	0.28	0.62
(1,5350)	1:26:B:GLY:H	1:23:B:LYS:HB2	20	0.64	0.28	0.62
(1,4973)	1:83:A:LEU:HD23	1:80:A:PHE:HA	20	0.63	0.16	0.59
(1,4973)	1:83:A:LEU:HD22	1:80:A:PHE:HA	20	0.63	0.16	0.59
(1,4973)	1:83:A:LEU:HD21	1:80:A:PHE:HA	20	0.63	0.16	0.59
(1,4973)	1:37:A:THR:HA	1:40:A:LEU:HD22	20	0.63	0.16	0.59
(1,4973)	1:37:A:THR:HA	1:40:A:LEU:HD21	20	0.63	0.16	0.59
(1,4974)	1:83:B:LEU:HD23	1:80:B:PHE:HA	20	0.63	0.16	0.59
(1,4974)	1:83:B:LEU:HD22	1:80:B:PHE:HA	20	0.63	0.16	0.59
(1,4974)	1:83:B:LEU:HD21	1:80:B:PHE:HA	20	0.63	0.16	0.59
(1,4974)	1:37:B:THR:HA	1:40:B:LEU:HD22	20	0.63	0.16	0.59
(1,4974)	1:37:B:THR:HA	1:40:B:LEU:HD21	20	0.63	0.16	0.59
(1,3461)	1:84:A:ILE:HB	1:80:A:PHE:HB3	20	0.62	0.17	0.64
(1,3462)	1:84:B:ILE:HB	1:80:B:PHE:HB3	20	0.62	0.17	0.64
(1,3863)	1:74:A:GLN:HG2	1:75:A:LEU:HD21	20	0.62	0.16	0.65
(1,3863)	1:74:A:GLN:HG3	1:75:A:LEU:HD23	20	0.62	0.16	0.65
(1,3863)	1:74:A:GLN:HG3	1:75:A:LEU:HD22	20	0.62	0.16	0.65
(1,3863)	1:74:A:GLN:HG3	1:75:A:LEU:HD21	20	0.62	0.16	0.65
(1,3863)	1:74:A:GLN:HG2	1:75:A:LEU:HD23	20	0.62	0.16	0.65
(1,3863)	1:74:A:GLN:HG2	1:75:A:LEU:HD22	20	0.62	0.16	0.65
(1,3864)	1:74:B:GLN:HG2	1:75:B:LEU:HD21	20	0.62	0.16	0.65
(1,3864)	1:74:B:GLN:HG3	1:75:B:LEU:HD23	20	0.62	0.16	0.65
(1,3864)	1:74:B:GLN:HG3	1:75:B:LEU:HD22	20	0.62	0.16	0.65
(1,3864)	1:74:B:GLN:HG3	1:75:B:LEU:HD21	20	0.62	0.16	0.65
(1,3864)	1:74:B:GLN:HG2	1:75:B:LEU:HD23	20	0.62	0.16	0.65
(1,3864)	1:74:B:GLN:HG2	1:75:B:LEU:HD22	20	0.62	0.16	0.65
(1,3349)	1:14:A:ILE:HD11	1:88:B:ALA:HB1	20	0.62	0.14	0.58
(1,3349)	1:14:A:ILE:HD13	1:88:B:ALA:HB2	20	0.62	0.14	0.58
(1,3349)	1:14:A:ILE:HD11	1:88:B:ALA:HB3	20	0.62	0.14	0.58
(1,3349)	1:14:A:ILE:HD12	1:88:B:ALA:HB3	20	0.62	0.14	0.58
(1,3349)	1:14:A:ILE:HD13	1:88:B:ALA:HB1	20	0.62	0.14	0.58
(1,3349)	1:14:A:ILE:HD12	1:88:B:ALA:HB2	20	0.62	0.14	0.58

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3349)	1:14:A:ILE:HD12	1:88:B:ALA:HB1	20	0.62	0.14	0.58
(1,3349)	1:14:A:ILE:HD11	1:88:B:ALA:HB2	20	0.62	0.14	0.58
(1,3350)	1:14:B:ILE:HD11	1:88:A:ALA:HB1	20	0.62	0.15	0.59
(1,3350)	1:14:B:ILE:HD13	1:88:A:ALA:HB2	20	0.62	0.15	0.59
(1,3350)	1:14:B:ILE:HD11	1:88:A:ALA:HB3	20	0.62	0.15	0.59
(1,3350)	1:14:B:ILE:HD12	1:88:A:ALA:HB3	20	0.62	0.15	0.59
(1,3350)	1:14:B:ILE:HD13	1:88:A:ALA:HB1	20	0.62	0.15	0.59
(1,3350)	1:14:B:ILE:HD12	1:88:A:ALA:HB2	20	0.62	0.15	0.59
(1,3350)	1:14:B:ILE:HD12	1:88:A:ALA:HB1	20	0.62	0.15	0.59
(1,3350)	1:14:B:ILE:HD11	1:88:A:ALA:HB2	20	0.62	0.15	0.59
(1,4225)	1:65:A:LYS:HA	1:64:A:MET:HA	20	0.62	0.06	0.6
(1,3680)	1:33:B:THR:HB	1:34:B:LEU:HG	20	0.62	0.19	0.63
(1,4226)	1:65:B:LYS:HA	1:64:B:MET:HA	20	0.61	0.06	0.6
(1,3679)	1:33:A:THR:HB	1:34:A:LEU:HG	20	0.61	0.19	0.64
(1,5439)	1:93:A:ASP:H	1:96:A:LEU:HB2	20	0.6	0.21	0.6
(1,5440)	1:93:B:ASP:H	1:96:B:LEU:HB2	20	0.6	0.21	0.59
(1,3785)	1:63:A:MET:HG3	1:61:A:ASP:H	20	0.6	0.12	0.6
(1,3785)	1:89:A:MET:HG3	1:87:A:LEU:H	20	0.6	0.12	0.6
(1,3786)	1:63:B:MET:HG3	1:61:B:ASP:H	20	0.59	0.12	0.6
(1,3786)	1:89:B:MET:HG3	1:87:B:LEU:H	20	0.59	0.12	0.6
(1,4172)	1:44:B:ASN:HB2	1:43:B:MET:HB2	20	0.59	0.26	0.68
(1,4172)	1:24:B:TYR:HB2	1:27:B:LYS:HD2	20	0.59	0.26	0.68
(1,4172)	1:44:B:ASN:HB2	1:43:B:MET:HB3	20	0.59	0.26	0.68
(1,4172)	1:24:B:TYR:HB2	1:27:B:LYS:HD3	20	0.59	0.26	0.68
(1,5676)	1:61:B:ASP:H	1:60:B:LEU:HG	20	0.59	0.1	0.6
(1,4171)	1:44:A:ASN:HB2	1:43:A:MET:HB2	20	0.59	0.26	0.68
(1,4171)	1:24:A:TYR:HB2	1:27:A:LYS:HD2	20	0.59	0.26	0.68
(1,4171)	1:44:A:ASN:HB2	1:43:A:MET:HB3	20	0.59	0.26	0.68
(1,4171)	1:24:A:TYR:HB2	1:27:A:LYS:HD3	20	0.59	0.26	0.68
(1,5675)	1:61:A:ASP:H	1:60:A:LEU:HG	20	0.59	0.1	0.6
(1,5224)	1:21:B:PHE:H	1:25:B:ALA:HB3	20	0.59	0.12	0.6
(1,5224)	1:21:B:PHE:H	1:25:B:ALA:HB1	20	0.59	0.12	0.6
(1,5224)	1:21:B:PHE:H	1:25:B:ALA:HB2	20	0.59	0.12	0.6
(1,5224)	1:21:B:PHE:H	1:81:B:LEU:HD21	20	0.59	0.12	0.6
(1,5224)	1:21:B:PHE:H	1:81:B:LEU:HD23	20	0.59	0.12	0.6
(1,5478)	1:37:B:THR:H	1:40:B:LEU:HD11	20	0.59	0.18	0.64
(1,5478)	1:37:B:THR:H	1:40:B:LEU:HD13	20	0.59	0.18	0.64
(1,5478)	1:37:B:THR:H	1:40:B:LEU:HD22	20	0.59	0.18	0.64
(1,5478)	1:37:B:THR:H	1:40:B:LEU:HD21	20	0.59	0.18	0.64
(1,5478)	1:37:B:THR:H	1:40:B:LEU:HD12	20	0.59	0.18	0.64
(1,5223)	1:21:A:PHE:H	1:25:A:ALA:HB3	20	0.59	0.12	0.6
(1,5223)	1:21:A:PHE:H	1:25:A:ALA:HB1	20	0.59	0.12	0.6

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,5223)	1:21:A:PHE:H	1:25:A:ALA:HB2	20	0.59	0.12	0.6
(1,5223)	1:21:A:PHE:H	1:81:A:LEU:HD21	20	0.59	0.12	0.6
(1,5223)	1:21:A:PHE:H	1:81:A:LEU:HD23	20	0.59	0.12	0.6
(1,5477)	1:37:A:THR:H	1:40:A:LEU:HD11	20	0.59	0.18	0.63
(1,5477)	1:37:A:THR:H	1:40:A:LEU:HD13	20	0.59	0.18	0.63
(1,5477)	1:37:A:THR:H	1:40:A:LEU:HD22	20	0.59	0.18	0.63
(1,5477)	1:37:A:THR:H	1:40:A:LEU:HD21	20	0.59	0.18	0.63
(1,5477)	1:37:A:THR:H	1:40:A:LEU:HD12	20	0.59	0.18	0.63
(1,3102)	1:9:B:GLU:H	1:8:B:THR:HG21	20	0.58	0.07	0.59
(1,3102)	1:9:B:GLU:H	1:8:B:THR:HG23	20	0.58	0.07	0.59
(1,3102)	1:9:B:GLU:H	1:8:B:THR:HG22	20	0.58	0.07	0.59
(1,3101)	1:9:A:GLU:H	1:8:A:THR:HG21	20	0.58	0.07	0.59
(1,3101)	1:9:A:GLU:H	1:8:A:THR:HG23	20	0.58	0.07	0.59
(1,3101)	1:9:A:GLU:H	1:8:A:THR:HG22	20	0.58	0.07	0.59
(1,3510)	1:7:B:PRO:HB2	1:12:B:ARG:HD2	20	0.58	0.16	0.6
(1,3510)	1:7:B:PRO:HB2	1:12:B:ARG:HD3	20	0.58	0.16	0.6
(1,3509)	1:7:A:PRO:HB2	1:12:A:ARG:HD2	20	0.58	0.16	0.6
(1,3509)	1:7:A:PRO:HB2	1:12:A:ARG:HD3	20	0.58	0.16	0.6
(1,5472)	1:80:B:PHE:H	1:75:B:LEU:HD11	20	0.58	0.2	0.57
(1,5472)	1:80:B:PHE:H	1:75:B:LEU:HD12	20	0.58	0.2	0.57
(1,5472)	1:80:B:PHE:H	1:75:B:LEU:HD13	20	0.58	0.2	0.57
(1,5472)	1:80:B:PHE:H	1:75:B:LEU:HD21	20	0.58	0.2	0.57
(1,5472)	1:80:B:PHE:H	1:75:B:LEU:HD22	20	0.58	0.2	0.57
(1,5472)	1:80:B:PHE:H	1:75:B:LEU:HD23	20	0.58	0.2	0.57
(1,5471)	1:80:A:PHE:H	1:75:A:LEU:HD11	20	0.58	0.2	0.57
(1,5471)	1:80:A:PHE:H	1:75:A:LEU:HD12	20	0.58	0.2	0.57
(1,5471)	1:80:A:PHE:H	1:75:A:LEU:HD13	20	0.58	0.2	0.57
(1,5471)	1:80:A:PHE:H	1:75:A:LEU:HD22	20	0.58	0.2	0.57
(1,5471)	1:80:A:PHE:H	1:75:A:LEU:HD21	20	0.58	0.2	0.57
(1,5471)	1:80:A:PHE:H	1:75:A:LEU:HD23	20	0.58	0.2	0.57
(1,4516)	1:94:B:SER:HB2	1:95:B:PHE:HB2	20	0.57	0.18	0.56
(1,4516)	1:94:B:SER:HB3	1:95:B:PHE:HB2	20	0.57	0.18	0.56
(1,3505)	1:69:A:THR:HB	1:82:A:ASN:HB2	20	0.57	0.19	0.52
(1,3505)	1:69:A:THR:HB	1:68:A:ASP:HB2	20	0.57	0.19	0.52
(1,4515)	1:94:A:SER:HB2	1:95:A:PHE:HB2	20	0.57	0.18	0.56
(1,4515)	1:94:A:SER:HB3	1:95:A:PHE:HB2	20	0.57	0.18	0.56
(1,3506)	1:69:B:THR:HB	1:82:B:ASN:HB2	20	0.57	0.19	0.54
(1,3506)	1:69:B:THR:HB	1:68:B:ASP:HB2	20	0.57	0.19	0.54
(1,5186)	1:37:B:THR:HG21	1:37:B:THR:HG22	20	0.56	0.0	0.56
(1,5186)	1:45:B:THR:HG21	1:45:B:THR:HG22	20	0.56	0.0	0.56
(1,5186)	1:37:B:THR:HG22	1:37:B:THR:HG23	20	0.56	0.0	0.56
(1,5186)	1:45:B:THR:HG21	1:45:B:THR:HG23	20	0.56	0.0	0.56

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,5186)	1:37:B:THR:HG21	1:37:B:THR:HG23	20	0.56	0.0	0.56
(1,4384)	1:11:B:GLU:HB3	1:14:B:ILE:HD12	20	0.56	0.17	0.51
(1,4384)	1:11:B:GLU:HB3	1:14:B:ILE:HD11	20	0.56	0.17	0.51
(1,4384)	1:11:B:GLU:HB3	1:14:B:ILE:HD13	20	0.56	0.17	0.51
(1,4384)	1:11:B:GLU:HB3	1:47:A:LEU:HD23	20	0.56	0.17	0.51
(1,4384)	1:11:B:GLU:HB2	1:47:A:LEU:HD22	20	0.56	0.17	0.51
(1,4384)	1:11:B:GLU:HB2	1:47:A:LEU:HD21	20	0.56	0.17	0.51
(1,4384)	1:11:B:GLU:HB3	1:47:A:LEU:HD22	20	0.56	0.17	0.51
(1,5185)	1:37:A:THR:HG21	1:37:A:THR:HG22	20	0.56	0.0	0.56
(1,5185)	1:37:A:THR:HG22	1:37:A:THR:HG23	20	0.56	0.0	0.56
(1,5185)	1:45:A:THR:HG21	1:45:A:THR:HG23	20	0.56	0.0	0.56
(1,5185)	1:45:A:THR:HG22	1:45:A:THR:HG23	20	0.56	0.0	0.56
(1,5185)	1:37:A:THR:HG21	1:37:A:THR:HG23	20	0.56	0.0	0.56
(1,5185)	1:45:A:THR:HG21	1:45:A:THR:HG22	20	0.56	0.0	0.56
(1,4383)	1:11:A:GLU:HB3	1:14:A:ILE:HD12	20	0.56	0.18	0.5
(1,4383)	1:11:A:GLU:HB3	1:14:A:ILE:HD11	20	0.56	0.18	0.5
(1,4383)	1:11:A:GLU:HB3	1:14:A:ILE:HD13	20	0.56	0.18	0.5
(1,4383)	1:11:A:GLU:HB3	1:47:B:LEU:HD23	20	0.56	0.18	0.5
(1,4383)	1:11:A:GLU:HB2	1:47:B:LEU:HD22	20	0.56	0.18	0.5
(1,4383)	1:11:A:GLU:HB2	1:47:B:LEU:HD21	20	0.56	0.18	0.5
(1,4383)	1:11:A:GLU:HB3	1:47:B:LEU:HD22	20	0.56	0.18	0.5
(1,146)	1:78:B:SER:HB2	1:81:B:LEU:HB3	20	0.56	0.27	0.45
(1,146)	1:78:B:SER:HB3	1:81:B:LEU:HB3	20	0.56	0.27	0.45
(1,3779)	1:48:A:ALA:HA	1:50:A:PHE:HB3	20	0.56	0.12	0.52
(1,3779)	1:48:A:ALA:HA	1:50:A:PHE:HB2	20	0.56	0.12	0.52
(1,145)	1:78:A:SER:HB2	1:81:A:LEU:HB3	20	0.56	0.27	0.46
(1,145)	1:78:A:SER:HB3	1:81:A:LEU:HB3	20	0.56	0.27	0.46
(1,3780)	1:48:B:ALA:HA	1:50:B:PHE:HB3	20	0.56	0.12	0.52
(1,3780)	1:48:B:ALA:HA	1:50:B:PHE:HB2	20	0.56	0.12	0.52
(1,4790)	1:66:B:LYS:HB3	1:67:B:LEU:HD22	20	0.56	0.12	0.6
(1,4790)	1:66:B:LYS:HB3	1:67:B:LEU:HD21	20	0.56	0.12	0.6
(1,4790)	1:66:B:LYS:HB2	1:67:B:LEU:HD21	20	0.56	0.12	0.6
(1,4790)	1:66:B:LYS:HB3	1:67:B:LEU:HD23	20	0.56	0.12	0.6
(1,3607)	1:37:A:THR:HG22	1:39:A:PHE:H	20	0.56	0.17	0.56
(1,3607)	1:37:A:THR:HG23	1:39:A:PHE:H	20	0.56	0.17	0.56
(1,3607)	1:37:A:THR:HG21	1:39:A:PHE:H	20	0.56	0.17	0.56
(1,4789)	1:66:A:LYS:HB3	1:67:A:LEU:HD22	20	0.56	0.12	0.6
(1,4789)	1:66:A:LYS:HB3	1:67:A:LEU:HD21	20	0.56	0.12	0.6
(1,4789)	1:66:A:LYS:HB2	1:67:A:LEU:HD21	20	0.56	0.12	0.6
(1,4789)	1:66:A:LYS:HB3	1:67:A:LEU:HD23	20	0.56	0.12	0.6
(1,3608)	1:37:B:THR:HG22	1:39:B:PHE:H	20	0.56	0.17	0.55
(1,3608)	1:37:B:THR:HG23	1:39:B:PHE:H	20	0.56	0.17	0.55

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3608)	1:37:B:THR:HG21	1:39:B:PHE:H	20	0.56	0.17	0.55
(1,2517)	1:41:A:SER:H	1:34:A:LEU:HD22	20	0.56	0.15	0.56
(1,2517)	1:41:A:SER:H	1:34:A:LEU:HD21	20	0.56	0.15	0.56
(1,2517)	1:41:A:SER:H	1:34:A:LEU:HD23	20	0.56	0.15	0.56
(1,2518)	1:41:B:SER:H	1:34:B:LEU:HD22	20	0.56	0.15	0.56
(1,2518)	1:41:B:SER:H	1:34:B:LEU:HD21	20	0.56	0.15	0.56
(1,2518)	1:41:B:SER:H	1:34:B:LEU:HD23	20	0.56	0.15	0.56
(1,4113)	1:18:A:ILE:H	1:17:A:LEU:HD11	20	0.55	0.12	0.55
(1,4113)	1:18:A:ILE:H	1:17:A:LEU:HD13	20	0.55	0.12	0.55
(1,4113)	1:18:A:ILE:H	1:17:A:LEU:HD12	20	0.55	0.12	0.55
(1,2481)	1:78:A:SER:H	1:33:A:THR:HG21	20	0.55	0.12	0.52
(1,2481)	1:78:A:SER:H	1:33:A:THR:HG23	20	0.55	0.12	0.52
(1,2481)	1:78:A:SER:H	1:33:A:THR:HG22	20	0.55	0.12	0.52
(1,2482)	1:78:B:SER:H	1:33:B:THR:HG21	20	0.55	0.12	0.52
(1,2482)	1:78:B:SER:H	1:33:B:THR:HG23	20	0.55	0.12	0.52
(1,2482)	1:78:B:SER:H	1:33:B:THR:HG22	20	0.55	0.12	0.52
(1,4114)	1:18:B:ILE:H	1:17:B:LEU:HD11	20	0.55	0.12	0.56
(1,4114)	1:18:B:ILE:H	1:17:B:LEU:HD13	20	0.55	0.12	0.56
(1,4114)	1:18:B:ILE:H	1:17:B:LEU:HD12	20	0.55	0.12	0.56
(1,5149)	1:36:A:LYS:HD2	1:36:A:LYS:HE3	20	0.55	0.02	0.55
(1,5149)	1:36:A:LYS:HD3	1:36:A:LYS:HE2	20	0.55	0.02	0.55
(1,5149)	1:66:A:LYS:HD3	1:66:A:LYS:HE2	20	0.55	0.02	0.55
(1,5149)	1:66:A:LYS:HD2	1:66:A:LYS:HE3	20	0.55	0.02	0.55
(1,5150)	1:36:B:LYS:HD2	1:36:B:LYS:HE3	20	0.55	0.02	0.55
(1,5150)	1:36:B:LYS:HD3	1:36:B:LYS:HE2	20	0.55	0.02	0.55
(1,5150)	1:66:B:LYS:HD3	1:66:B:LYS:HE2	20	0.55	0.02	0.55
(1,5150)	1:66:B:LYS:HD2	1:66:B:LYS:HE3	20	0.55	0.02	0.55
(1,4669)	1:87:A:LEU:HG	1:47:A:LEU:HD11	20	0.55	0.1	0.54
(1,4669)	1:87:A:LEU:HG	1:47:A:LEU:HD12	20	0.55	0.1	0.54
(1,4669)	1:87:A:LEU:HG	1:47:A:LEU:HD13	20	0.55	0.1	0.54
(1,4670)	1:87:B:LEU:HG	1:47:B:LEU:HD11	20	0.55	0.1	0.54
(1,4670)	1:87:B:LEU:HG	1:47:B:LEU:HD12	20	0.55	0.1	0.54
(1,4670)	1:87:B:LEU:HG	1:47:B:LEU:HD13	20	0.55	0.1	0.54
(1,5622)	1:47:B:LEU:H	1:48:B:ALA:HB2	20	0.55	0.06	0.52
(1,5622)	1:47:B:LEU:H	1:48:B:ALA:HB3	20	0.55	0.06	0.52
(1,5622)	1:47:B:LEU:H	1:48:B:ALA:HB1	20	0.55	0.06	0.52
(1,5621)	1:47:A:LEU:H	1:48:A:ALA:HB2	20	0.54	0.06	0.52
(1,5621)	1:47:A:LEU:H	1:48:A:ALA:HB3	20	0.54	0.06	0.52
(1,5621)	1:47:A:LEU:H	1:48:A:ALA:HB1	20	0.54	0.06	0.52
(1,3023)	1:76:A:ASP:H	1:75:A:LEU:HB2	20	0.54	0.06	0.55
(1,4408)	1:91:B:CYS:HA	1:90:B:ALA:HB3	20	0.54	0.11	0.56
(1,4408)	1:91:B:CYS:HA	1:90:B:ALA:HB2	20	0.54	0.11	0.56

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4408)	1:16:B:SER:HB2	1:19:B:ALA:HB3	20	0.54	0.11	0.56
(1,4408)	1:91:B:CYS:HA	1:90:B:ALA:HB1	20	0.54	0.11	0.56
(1,4408)	1:16:B:SER:HB2	1:19:B:ALA:HB2	20	0.54	0.11	0.56
(1,3024)	1:76:B:ASP:H	1:75:B:LEU:HB2	20	0.54	0.06	0.55
(1,4407)	1:91:A:CYS:HA	1:90:A:ALA:HB3	20	0.54	0.11	0.56
(1,4407)	1:91:A:CYS:HA	1:90:A:ALA:HB2	20	0.54	0.11	0.56
(1,4407)	1:16:A:SER:HB2	1:19:A:ALA:HB3	20	0.54	0.11	0.56
(1,4407)	1:91:A:CYS:HA	1:90:A:ALA:HB1	20	0.54	0.11	0.56
(1,4407)	1:16:A:SER:HB2	1:19:A:ALA:HB2	20	0.54	0.11	0.56
(1,40)	1:87:B:LEU:HD22	1:14:A:ILE:HD11	20	0.54	0.17	0.58
(1,40)	1:87:B:LEU:HD21	1:14:A:ILE:HD13	20	0.54	0.17	0.58
(1,40)	1:87:B:LEU:HD21	1:14:A:ILE:HD11	20	0.54	0.17	0.58
(1,40)	1:87:B:LEU:HD23	1:14:A:ILE:HD12	20	0.54	0.17	0.58
(1,40)	1:87:B:LEU:HD21	1:14:A:ILE:HD12	20	0.54	0.17	0.58
(1,40)	1:87:B:LEU:HD22	1:14:A:ILE:HD12	20	0.54	0.17	0.58
(1,40)	1:87:B:LEU:HD23	1:14:A:ILE:HD11	20	0.54	0.17	0.58
(1,40)	1:87:B:LEU:HD23	1:14:A:ILE:HD13	20	0.54	0.17	0.58
(1,40)	1:87:B:LEU:HD22	1:14:A:ILE:HD13	20	0.54	0.17	0.58
(1,5707)	1:14:A:ILE:H	1:14:A:ILE:HD12	20	0.54	0.06	0.55
(1,5707)	1:14:A:ILE:H	1:14:A:ILE:HD11	20	0.54	0.06	0.55
(1,5707)	1:14:A:ILE:H	1:14:A:ILE:HD13	20	0.54	0.06	0.55
(1,39)	1:87:A:LEU:HD22	1:14:B:ILE:HD11	20	0.54	0.18	0.6
(1,39)	1:87:A:LEU:HD21	1:14:B:ILE:HD13	20	0.54	0.18	0.6
(1,39)	1:87:A:LEU:HD21	1:14:B:ILE:HD11	20	0.54	0.18	0.6
(1,39)	1:87:A:LEU:HD23	1:14:B:ILE:HD12	20	0.54	0.18	0.6
(1,39)	1:87:A:LEU:HD21	1:14:B:ILE:HD12	20	0.54	0.18	0.6
(1,39)	1:87:A:LEU:HD22	1:14:B:ILE:HD12	20	0.54	0.18	0.6
(1,39)	1:87:A:LEU:HD23	1:14:B:ILE:HD11	20	0.54	0.18	0.6
(1,39)	1:87:A:LEU:HD23	1:14:B:ILE:HD13	20	0.54	0.18	0.6
(1,39)	1:87:A:LEU:HD22	1:14:B:ILE:HD13	20	0.54	0.18	0.6
(1,5444)	1:95:B:PHE:H	1:98:B:ALA:HB3	20	0.54	0.07	0.56
(1,5444)	1:95:B:PHE:H	1:98:B:ALA:HB1	20	0.54	0.07	0.56
(1,5444)	1:95:B:PHE:H	1:98:B:ALA:HB2	20	0.54	0.07	0.56
(1,5708)	1:14:B:ILE:H	1:14:B:ILE:HD12	20	0.54	0.06	0.55
(1,5708)	1:14:B:ILE:H	1:14:B:ILE:HD11	20	0.54	0.06	0.55
(1,5708)	1:14:B:ILE:H	1:14:B:ILE:HD13	20	0.54	0.06	0.55
(1,5443)	1:95:A:PHE:H	1:98:A:ALA:HB3	20	0.54	0.07	0.56
(1,5443)	1:95:A:PHE:H	1:98:A:ALA:HB1	20	0.54	0.07	0.56
(1,5443)	1:95:A:PHE:H	1:98:A:ALA:HB2	20	0.54	0.07	0.56
(1,4074)	1:15:B:GLU:HA	1:18:B:ILE:HA	20	0.53	0.05	0.55
(1,4074)	1:18:B:ILE:HA	1:19:B:ALA:HA	20	0.53	0.05	0.55
(1,4073)	1:15:A:GLU:HA	1:18:A:ILE:HA	20	0.53	0.05	0.55

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4073)	1:18:A:ILE:HA	1:19:A:ALA:HA	20	0.53	0.05	0.55
(1,2815)	1:11:A:GLU:H	1:8:A:THR:HG23	20	0.53	0.1	0.5
(1,2815)	1:11:A:GLU:H	1:8:A:THR:HG22	20	0.53	0.1	0.5
(1,2815)	1:11:A:GLU:H	1:8:A:THR:HG21	20	0.53	0.1	0.5
(1,2816)	1:11:B:GLU:H	1:8:B:THR:HG23	20	0.53	0.1	0.5
(1,2816)	1:11:B:GLU:H	1:8:B:THR:HG22	20	0.53	0.1	0.5
(1,2816)	1:11:B:GLU:H	1:8:B:THR:HG21	20	0.53	0.1	0.5
(1,2823)	1:24:A:TYR:H	1:25:A:ALA:HB3	20	0.52	0.04	0.53
(1,2823)	1:24:A:TYR:H	1:25:A:ALA:HB1	20	0.52	0.04	0.53
(1,2823)	1:24:A:TYR:H	1:25:A:ALA:HB2	20	0.52	0.04	0.53
(1,2824)	1:24:B:TYR:H	1:25:B:ALA:HB3	20	0.52	0.04	0.53
(1,2824)	1:24:B:TYR:H	1:25:B:ALA:HB1	20	0.52	0.04	0.53
(1,2824)	1:24:B:TYR:H	1:25:B:ALA:HB2	20	0.52	0.04	0.53
(1,5183)	1:60:A:LEU:HD22	1:60:A:LEU:HD23	20	0.51	0.0	0.51
(1,5183)	1:60:A:LEU:HD21	1:60:A:LEU:HD23	20	0.51	0.0	0.51
(1,5183)	1:60:A:LEU:HD22	1:60:A:LEU:HD21	20	0.51	0.0	0.51
(1,5183)	1:83:A:LEU:HD22	1:83:A:LEU:HD23	20	0.51	0.0	0.51
(1,5183)	1:83:A:LEU:HD21	1:83:A:LEU:HD23	20	0.51	0.0	0.51
(1,3473)	1:17:A:LEU:HG	1:21:A:PHE:H	20	0.51	0.08	0.5
(1,5184)	1:60:B:LEU:HD22	1:60:B:LEU:HD23	20	0.51	0.0	0.51
(1,5184)	1:60:B:LEU:HD21	1:60:B:LEU:HD23	20	0.51	0.0	0.51
(1,5184)	1:60:B:LEU:HD22	1:60:B:LEU:HD21	20	0.51	0.0	0.51
(1,5184)	1:83:B:LEU:HD22	1:83:B:LEU:HD23	20	0.51	0.0	0.51
(1,5184)	1:83:B:LEU:HD21	1:83:B:LEU:HD23	20	0.51	0.0	0.51
(1,3474)	1:17:B:LEU:HG	1:21:B:PHE:H	20	0.51	0.07	0.51
(1,3807)	1:37:A:THR:HB	1:39:A:PHE:H	20	0.51	0.14	0.57
(1,3807)	1:37:A:THR:HB	1:36:A:LYS:H	20	0.51	0.14	0.57
(1,3808)	1:37:B:THR:HB	1:39:B:PHE:H	20	0.51	0.14	0.57
(1,3808)	1:37:B:THR:HB	1:36:B:LYS:H	20	0.51	0.14	0.57
(1,5399)	1:59:A:VAL:H	1:61:A:ASP:HB3	20	0.51	0.1	0.54
(1,5399)	1:90:A:ALA:H	1:93:A:ASP:HB3	20	0.51	0.1	0.54
(1,5399)	1:90:A:ALA:H	1:89:A:MET:HG2	20	0.51	0.1	0.54
(1,5400)	1:59:B:VAL:H	1:61:B:ASP:HB3	20	0.51	0.1	0.54
(1,5400)	1:90:B:ALA:H	1:93:B:ASP:HB3	20	0.51	0.1	0.54
(1,5400)	1:90:B:ALA:H	1:89:B:MET:HG2	20	0.51	0.1	0.54
(1,1530)	1:9:B:GLU:H	1:8:B:THR:HG21	20	0.5	0.07	0.5
(1,1530)	1:9:B:GLU:H	1:8:B:THR:HG23	20	0.5	0.07	0.5
(1,1530)	1:9:B:GLU:H	1:8:B:THR:HG22	20	0.5	0.07	0.5
(1,3441)	1:69:A:THR:HB	1:66:A:LYS:HG2	20	0.5	0.16	0.54
(1,3441)	1:69:A:THR:HB	1:66:A:LYS:HG3	20	0.5	0.16	0.54
(1,3442)	1:69:B:THR:HB	1:66:B:LYS:HG2	20	0.5	0.15	0.54
(1,3442)	1:69:B:THR:HB	1:66:B:LYS:HG3	20	0.5	0.15	0.54

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1529)	1:9:A:GLU:H	1:8:A:THR:HG21	20	0.5	0.07	0.5
(1,1529)	1:9:A:GLU:H	1:8:A:THR:HG23	20	0.5	0.07	0.5
(1,1529)	1:9:A:GLU:H	1:8:A:THR:HG22	20	0.5	0.07	0.5
(1,4296)	1:87:B:LEU:HA	1:86:B:GLY:HA3	20	0.5	0.03	0.51
(1,4296)	1:102:B:GLN:HA	1:101:B:SER:HB2	20	0.5	0.03	0.51
(1,4295)	1:87:A:LEU:HA	1:86:A:GLY:HA3	20	0.5	0.04	0.51
(1,4295)	1:102:A:GLN:HA	1:101:A:SER:HB2	20	0.5	0.04	0.51
(1,3254)	1:62:B:ARG:H	1:61:B:ASP:HB2	20	0.5	0.08	0.47
(1,4621)	1:89:A:MET:HA	1:88:A:ALA:HB3	20	0.5	0.06	0.5
(1,4621)	1:89:A:MET:HA	1:88:A:ALA:HB1	20	0.5	0.06	0.5
(1,4621)	1:89:A:MET:HA	1:88:A:ALA:HB2	20	0.5	0.06	0.5
(1,3253)	1:62:A:ARG:H	1:61:A:ASP:HB2	20	0.5	0.08	0.47
(1,4622)	1:89:B:MET:HA	1:88:B:ALA:HB3	20	0.5	0.06	0.5
(1,4622)	1:89:B:MET:HA	1:88:B:ALA:HB1	20	0.5	0.06	0.5
(1,4622)	1:89:B:MET:HA	1:88:B:ALA:HB2	20	0.5	0.06	0.5
(1,422)	1:18:B:ILE:HG22	1:95:A:PHE:H	20	0.49	0.12	0.5
(1,422)	1:18:B:ILE:HG23	1:95:A:PHE:H	20	0.49	0.12	0.5
(1,422)	1:18:B:ILE:HG21	1:95:A:PHE:H	20	0.49	0.12	0.5
(1,4882)	1:37:B:THR:HG21	1:40:B:LEU:HB2	20	0.49	0.05	0.48
(1,4882)	1:37:B:THR:HG22	1:40:B:LEU:HB2	20	0.49	0.05	0.48
(1,4882)	1:37:B:THR:HG23	1:40:B:LEU:HB2	20	0.49	0.05	0.48
(1,4318)	1:67:B:LEU:HD21	1:63:B:MET:HG3	20	0.49	0.23	0.47
(1,4318)	1:67:B:LEU:HD23	1:63:B:MET:HG3	20	0.49	0.23	0.47
(1,4318)	1:67:B:LEU:HD22	1:63:B:MET:HG3	20	0.49	0.23	0.47
(1,4317)	1:67:A:LEU:HD21	1:63:A:MET:HG3	20	0.49	0.23	0.46
(1,4317)	1:67:A:LEU:HD23	1:63:A:MET:HG3	20	0.49	0.23	0.46
(1,4317)	1:67:A:LEU:HD22	1:63:A:MET:HG3	20	0.49	0.23	0.46
(1,4599)	1:43:A:MET:H	1:60:A:LEU:HD11	20	0.49	0.17	0.48
(1,4599)	1:43:A:MET:H	1:60:A:LEU:HD12	20	0.49	0.17	0.48
(1,4599)	1:43:A:MET:H	1:60:A:LEU:HD13	20	0.49	0.17	0.48
(1,4600)	1:43:B:MET:H	1:60:B:LEU:HD11	20	0.49	0.17	0.48
(1,4600)	1:43:B:MET:H	1:60:B:LEU:HD12	20	0.49	0.17	0.48
(1,4600)	1:43:B:MET:H	1:60:B:LEU:HD13	20	0.49	0.17	0.48
(1,2697)	1:27:A:LYS:H	1:25:A:ALA:HB3	20	0.49	0.08	0.5
(1,2697)	1:27:A:LYS:H	1:25:A:ALA:HB1	20	0.49	0.08	0.5
(1,2697)	1:27:A:LYS:H	1:25:A:ALA:HB2	20	0.49	0.08	0.5
(1,2698)	1:27:B:LYS:H	1:25:B:ALA:HB3	20	0.49	0.08	0.5
(1,2698)	1:27:B:LYS:H	1:25:B:ALA:HB1	20	0.49	0.08	0.5
(1,2698)	1:27:B:LYS:H	1:25:B:ALA:HB2	20	0.49	0.08	0.5
(1,4881)	1:37:A:THR:HG21	1:40:A:LEU:HB2	20	0.49	0.05	0.48
(1,4881)	1:37:A:THR:HG22	1:40:A:LEU:HB2	20	0.49	0.05	0.48
(1,4881)	1:37:A:THR:HG23	1:40:A:LEU:HB2	20	0.49	0.05	0.48

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,421)	1:18:A:ILE:HG22	1:95:B:PHE:H	20	0.49	0.12	0.5
(1,421)	1:18:A:ILE:HG23	1:95:B:PHE:H	20	0.49	0.12	0.5
(1,421)	1:18:A:ILE:HG21	1:95:B:PHE:H	20	0.49	0.12	0.5
(1,5475)	1:50:A:PHE:H	1:47:A:LEU:HD21	20	0.48	0.06	0.47
(1,5475)	1:50:A:PHE:H	1:47:A:LEU:HD23	20	0.48	0.06	0.47
(1,5475)	1:50:A:PHE:H	1:47:A:LEU:HD22	20	0.48	0.06	0.47
(1,3138)	1:76:B:ASP:H	1:75:B:LEU:HD21	20	0.48	0.07	0.46
(1,3138)	1:76:B:ASP:H	1:75:B:LEU:HD23	20	0.48	0.07	0.46
(1,3138)	1:76:B:ASP:H	1:75:B:LEU:HD22	20	0.48	0.07	0.46
(1,5476)	1:50:B:PHE:H	1:47:B:LEU:HD21	20	0.48	0.07	0.47
(1,5476)	1:50:B:PHE:H	1:47:B:LEU:HD23	20	0.48	0.07	0.47
(1,5476)	1:50:B:PHE:H	1:47:B:LEU:HD22	20	0.48	0.07	0.47
(1,3137)	1:76:A:ASP:H	1:75:A:LEU:HD21	20	0.47	0.07	0.46
(1,3137)	1:76:A:ASP:H	1:75:A:LEU:HD23	20	0.47	0.07	0.46
(1,3137)	1:76:A:ASP:H	1:75:A:LEU:HD22	20	0.47	0.07	0.46
(1,3266)	1:27:B:LYS:H	1:27:B:LYS:HB3	20	0.47	0.02	0.47
(1,3265)	1:27:A:LYS:H	1:27:A:LYS:HB3	20	0.47	0.02	0.47
(1,4333)	1:68:A:ASP:HB2	1:67:A:LEU:HB2	20	0.47	0.07	0.48
(1,4334)	1:68:B:ASP:HB2	1:67:B:LEU:HB2	20	0.47	0.07	0.48
(1,3738)	1:67:B:LEU:HG	1:83:B:LEU:H	20	0.47	0.04	0.47
(1,3738)	1:65:B:LYS:H	1:67:B:LEU:HG	20	0.47	0.04	0.47
(1,3737)	1:67:A:LEU:HG	1:83:A:LEU:H	20	0.47	0.04	0.47
(1,3737)	1:65:A:LYS:H	1:67:A:LEU:HG	20	0.47	0.04	0.47
(1,4089)	1:60:A:LEU:HB3	1:64:A:MET:H	20	0.47	0.07	0.46
(1,4090)	1:60:B:LEU:HB3	1:64:B:MET:H	20	0.47	0.06	0.46
(1,3914)	1:35:B:SER:HA	1:34:B:LEU:HG	20	0.46	0.09	0.46
(1,3913)	1:35:A:SER:HA	1:34:A:LEU:HG	20	0.46	0.09	0.46
(1,4187)	1:11:A:GLU:HA	1:13:A:CYS:HA	20	0.46	0.07	0.45
(1,520)	1:74:B:GLN:HG3	1:75:B:LEU:HA	20	0.46	0.05	0.47
(1,520)	1:74:B:GLN:HG2	1:75:B:LEU:HA	20	0.46	0.05	0.47
(1,4188)	1:11:B:GLU:HA	1:13:B:CYS:HA	20	0.46	0.07	0.45
(1,519)	1:74:A:GLN:HG3	1:75:A:LEU:HA	20	0.46	0.05	0.46
(1,519)	1:74:A:GLN:HG2	1:75:A:LEU:HA	20	0.46	0.05	0.46
(1,5703)	1:81:A:LEU:H	1:81:A:LEU:HD21	20	0.46	0.13	0.45
(1,5703)	1:81:A:LEU:H	1:81:A:LEU:HD22	20	0.46	0.13	0.45
(1,5703)	1:81:A:LEU:H	1:81:A:LEU:HD12	20	0.46	0.13	0.45
(1,5703)	1:81:A:LEU:H	1:81:A:LEU:HD23	20	0.46	0.13	0.45
(1,5704)	1:81:B:LEU:H	1:81:B:LEU:HD21	20	0.45	0.13	0.46
(1,5704)	1:81:B:LEU:H	1:81:B:LEU:HD22	20	0.45	0.13	0.46
(1,5704)	1:81:B:LEU:H	1:81:B:LEU:HD12	20	0.45	0.13	0.46
(1,5704)	1:81:B:LEU:H	1:81:B:LEU:HD23	20	0.45	0.13	0.46
(1,3468)	1:75:B:LEU:HB3	1:33:B:THR:HA	20	0.45	0.18	0.43

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3467)	1:75:A:LEU:HB3	1:33:A:THR:HA	20	0.45	0.18	0.43
(1,5529)	1:39:A:PHE:H	1:40:A:LEU:HD22	20	0.45	0.07	0.46
(1,5529)	1:39:A:PHE:H	1:40:A:LEU:HD21	20	0.45	0.07	0.46
(1,5529)	1:39:A:PHE:H	1:40:A:LEU:HD23	20	0.45	0.07	0.46
(1,5530)	1:39:B:PHE:H	1:40:B:LEU:HD22	20	0.44	0.07	0.46
(1,5530)	1:39:B:PHE:H	1:40:B:LEU:HD21	20	0.44	0.07	0.46
(1,5530)	1:39:B:PHE:H	1:40:B:LEU:HD23	20	0.44	0.07	0.46
(1,1024)	1:53:B:ASN:HA	1:52:B:LYS:HG2	20	0.44	0.05	0.43
(1,1024)	1:53:B:ASN:HA	1:52:B:LYS:HG3	20	0.44	0.05	0.43
(1,1023)	1:53:A:ASN:HA	1:52:A:LYS:HG2	20	0.44	0.06	0.44
(1,1023)	1:53:A:ASN:HA	1:52:A:LYS:HG3	20	0.44	0.06	0.44
(1,5721)	1:67:A:LEU:H	1:67:A:LEU:HD22	20	0.44	0.09	0.48
(1,5721)	1:67:A:LEU:H	1:67:A:LEU:HD21	20	0.44	0.09	0.48
(1,5721)	1:67:A:LEU:H	1:67:A:LEU:HD12	20	0.44	0.09	0.48
(1,5721)	1:67:A:LEU:H	1:67:A:LEU:HD23	20	0.44	0.09	0.48
(1,5721)	1:67:A:LEU:H	1:67:A:LEU:HD13	20	0.44	0.09	0.48
(1,5722)	1:67:B:LEU:H	1:67:B:LEU:HD22	20	0.44	0.09	0.48
(1,5722)	1:67:B:LEU:H	1:67:B:LEU:HD21	20	0.44	0.09	0.48
(1,5722)	1:67:B:LEU:H	1:67:B:LEU:HD12	20	0.44	0.09	0.48
(1,5722)	1:67:B:LEU:H	1:67:B:LEU:HD23	20	0.44	0.09	0.48
(1,5722)	1:67:B:LEU:H	1:67:B:LEU:HD13	20	0.44	0.09	0.48
(1,4237)	1:8:A:THR:HA	1:11:A:GLU:HB2	20	0.43	0.09	0.44
(1,4237)	1:7:A:PRO:HG2	1:8:A:THR:HA	20	0.43	0.09	0.44
(1,4238)	1:8:B:THR:HA	1:11:B:GLU:HB2	20	0.43	0.09	0.44
(1,4238)	1:7:B:PRO:HG2	1:8:B:THR:HA	20	0.43	0.09	0.44
(1,5241)	1:81:A:LEU:H	1:77:A:PHE:H	20	0.43	0.11	0.46
(1,5242)	1:81:B:LEU:H	1:77:B:PHE:H	20	0.43	0.11	0.46
(1,1682)	1:50:B:PHE:HB2	1:47:B:LEU:HD21	20	0.42	0.13	0.46
(1,1682)	1:50:B:PHE:HB2	1:47:B:LEU:HD23	20	0.42	0.13	0.46
(1,1682)	1:50:B:PHE:HB2	1:47:B:LEU:HD22	20	0.42	0.13	0.46
(1,1682)	1:50:B:PHE:HB3	1:47:B:LEU:HD21	20	0.42	0.13	0.46
(1,1682)	1:50:B:PHE:HB3	1:47:B:LEU:HD23	20	0.42	0.13	0.46
(1,1681)	1:50:A:PHE:HB2	1:47:A:LEU:HD21	20	0.42	0.13	0.47
(1,1681)	1:50:A:PHE:HB2	1:47:A:LEU:HD23	20	0.42	0.13	0.47
(1,1681)	1:50:A:PHE:HB2	1:47:A:LEU:HD22	20	0.42	0.13	0.47
(1,1681)	1:50:A:PHE:HB3	1:47:A:LEU:HD21	20	0.42	0.13	0.47
(1,1681)	1:50:A:PHE:HB3	1:47:A:LEU:HD23	20	0.42	0.13	0.47
(1,5534)	1:82:B:ASN:H	1:80:B:PHE:HA	20	0.42	0.09	0.42
(1,5533)	1:82:A:ASN:H	1:80:A:PHE:HA	20	0.42	0.09	0.42
(1,4572)	1:47:B:LEU:HD12	1:39:B:PHE:HA	20	0.42	0.2	0.4
(1,4572)	1:47:B:LEU:HD13	1:39:B:PHE:HA	20	0.42	0.2	0.4
(1,4572)	1:47:B:LEU:HD11	1:39:B:PHE:HA	20	0.42	0.2	0.4

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4572)	1:44:B:ASN:HA	1:47:B:LEU:HD11	20	0.42	0.2	0.4
(1,4572)	1:47:B:LEU:HD11	1:60:B:LEU:HA	20	0.42	0.2	0.4
(1,2776)	1:50:B:PHE:H	1:47:B:LEU:HB2	20	0.42	0.08	0.42
(1,4571)	1:47:A:LEU:HD12	1:39:A:PHE:HA	20	0.42	0.19	0.4
(1,4571)	1:47:A:LEU:HD13	1:39:A:PHE:HA	20	0.42	0.19	0.4
(1,4571)	1:47:A:LEU:HD11	1:39:A:PHE:HA	20	0.42	0.19	0.4
(1,4571)	1:44:A:ASN:HA	1:47:A:LEU:HD11	20	0.42	0.19	0.4
(1,4571)	1:47:A:LEU:HD11	1:60:A:LEU:HA	20	0.42	0.19	0.4
(1,2775)	1:50:A:PHE:H	1:47:A:LEU:HB2	20	0.42	0.08	0.42
(1,1093)	1:36:A:LYS:HB2	1:36:A:LYS:HE2	20	0.42	0.17	0.52
(1,1093)	1:36:A:LYS:HB3	1:36:A:LYS:HE2	20	0.42	0.17	0.52
(1,1093)	1:36:A:LYS:HB2	1:36:A:LYS:HE3	20	0.42	0.17	0.52
(1,1094)	1:36:B:LYS:HB2	1:36:B:LYS:HE2	20	0.42	0.17	0.52
(1,1094)	1:36:B:LYS:HB3	1:36:B:LYS:HE2	20	0.42	0.17	0.52
(1,1094)	1:36:B:LYS:HB2	1:36:B:LYS:HE3	20	0.42	0.17	0.52
(1,1607)	1:47:A:LEU:HB2	1:50:A:PHE:HB3	20	0.41	0.13	0.44
(1,1607)	1:47:A:LEU:HB2	1:50:A:PHE:HB2	20	0.41	0.13	0.44
(1,1608)	1:47:B:LEU:HB2	1:50:B:PHE:HB3	20	0.41	0.13	0.44
(1,1608)	1:47:B:LEU:HB2	1:50:B:PHE:HB2	20	0.41	0.13	0.44
(1,2363)	1:99:A:VAL:HG11	1:99:A:VAL:HG13	20	0.41	0.0	0.41
(1,2363)	1:99:A:VAL:HG12	1:99:A:VAL:HG13	20	0.41	0.0	0.41
(1,2363)	1:99:A:VAL:HG12	1:99:A:VAL:HG11	20	0.41	0.0	0.41
(1,2364)	1:99:B:VAL:HG11	1:99:B:VAL:HG13	20	0.41	0.0	0.41
(1,2364)	1:99:B:VAL:HG12	1:99:B:VAL:HG11	20	0.41	0.0	0.41
(1,2364)	1:99:B:VAL:HG12	1:99:B:VAL:HG13	20	0.41	0.0	0.41
(1,5181)	1:99:A:VAL:HG22	1:99:A:VAL:HG23	20	0.41	0.0	0.41
(1,5181)	1:99:A:VAL:HG11	1:99:A:VAL:HG13	20	0.41	0.0	0.41
(1,5181)	1:99:A:VAL:HG12	1:99:A:VAL:HG13	20	0.41	0.0	0.41
(1,5181)	1:99:A:VAL:HG22	1:99:A:VAL:HG21	20	0.41	0.0	0.41
(1,5181)	1:99:A:VAL:HG12	1:99:A:VAL:HG11	20	0.41	0.0	0.41
(1,5181)	1:99:A:VAL:HG21	1:99:A:VAL:HG23	20	0.41	0.0	0.41
(1,5182)	1:99:B:VAL:HG11	1:99:B:VAL:HG13	20	0.41	0.0	0.41
(1,5182)	1:99:B:VAL:HG12	1:99:B:VAL:HG11	20	0.41	0.0	0.41
(1,5182)	1:99:B:VAL:HG12	1:99:B:VAL:HG13	20	0.41	0.0	0.41
(1,5182)	1:99:B:VAL:HG22	1:99:B:VAL:HG21	20	0.41	0.0	0.41
(1,5182)	1:99:B:VAL:HG22	1:99:B:VAL:HG23	20	0.41	0.0	0.41
(1,5182)	1:99:B:VAL:HG21	1:99:B:VAL:HG23	20	0.41	0.0	0.41
(1,4424)	1:40:B:LEU:HG	1:36:B:LYS:HA	20	0.4	0.21	0.34
(1,4424)	1:58:B:GLY:HA2	1:57:B:PRO:HG2	20	0.4	0.21	0.34
(1,4424)	1:100:B:PRO:HG2	1:99:B:VAL:HA	20	0.4	0.21	0.34
(1,4423)	1:40:A:LEU:HG	1:36:A:LYS:HA	20	0.4	0.21	0.33
(1,4423)	1:58:A:GLY:HA2	1:57:A:PRO:HG2	20	0.4	0.21	0.33

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4423)	1:100:A:PRO:HG2	1:99:A:VAL:HA	20	0.4	0.21	0.33
(1,5179)	1:51:A:THR:HG21	1:51:A:THR:HG23	20	0.4	0.0	0.4
(1,5179)	1:51:A:THR:HG22	1:51:A:THR:HG23	20	0.4	0.0	0.4
(1,5179)	1:59:A:VAL:HG12	1:59:A:VAL:HG13	20	0.4	0.0	0.4
(1,5179)	1:59:A:VAL:HG11	1:59:A:VAL:HG13	20	0.4	0.0	0.4
(1,5179)	1:59:A:VAL:HG12	1:59:A:VAL:HG11	20	0.4	0.0	0.4
(1,5179)	1:33:A:THR:HG22	1:33:A:THR:HG23	20	0.4	0.0	0.4
(1,5179)	1:51:A:THR:HG21	1:51:A:THR:HG22	20	0.4	0.0	0.4
(1,5180)	1:51:B:THR:HG21	1:51:B:THR:HG23	20	0.4	0.0	0.4
(1,5180)	1:59:B:VAL:HG11	1:59:B:VAL:HG13	20	0.4	0.0	0.4
(1,5180)	1:51:B:THR:HG22	1:51:B:THR:HG23	20	0.4	0.0	0.4
(1,5180)	1:33:B:THR:HG21	1:33:B:THR:HG22	20	0.4	0.0	0.4
(1,5180)	1:33:B:THR:HG22	1:33:B:THR:HG23	20	0.4	0.0	0.4
(1,5180)	1:59:B:VAL:HG12	1:59:B:VAL:HG13	20	0.4	0.0	0.4
(1,5180)	1:59:B:VAL:HG12	1:59:B:VAL:HG11	20	0.4	0.0	0.4
(1,691)	1:15:A:GLU:HG2	1:16:A:SER:H	20	0.4	0.04	0.4
(1,692)	1:15:B:GLU:HG2	1:16:B:SER:H	20	0.4	0.04	0.4
(1,4154)	1:82:B:ASN:HA	1:81:B:LEU:HB2	20	0.39	0.07	0.4
(1,4153)	1:82:A:ASN:HA	1:81:A:LEU:HB2	20	0.39	0.07	0.4
(1,1426)	1:47:B:LEU:HD11	1:50:B:PHE:HB3	20	0.39	0.12	0.42
(1,1426)	1:47:B:LEU:HD12	1:50:B:PHE:HB3	20	0.39	0.12	0.42
(1,1426)	1:47:B:LEU:HD13	1:50:B:PHE:HB3	20	0.39	0.12	0.42
(1,1426)	1:47:B:LEU:HD13	1:50:B:PHE:HB2	20	0.39	0.12	0.42
(1,1425)	1:47:A:LEU:HD11	1:50:A:PHE:HB3	20	0.39	0.11	0.42
(1,1425)	1:47:A:LEU:HD12	1:50:A:PHE:HB3	20	0.39	0.11	0.42
(1,1425)	1:47:A:LEU:HD13	1:50:A:PHE:HB3	20	0.39	0.11	0.42
(1,1425)	1:47:A:LEU:HD13	1:50:A:PHE:HB2	20	0.39	0.11	0.42
(1,303)	1:22:A:GLN:HB2	1:18:A:ILE:H	20	0.38	0.08	0.38
(1,303)	1:22:A:GLN:HB3	1:18:A:ILE:H	20	0.38	0.08	0.38
(1,304)	1:22:B:GLN:HB2	1:18:B:ILE:H	20	0.38	0.08	0.37
(1,304)	1:22:B:GLN:HB3	1:18:B:ILE:H	20	0.38	0.08	0.37
(1,5127)	1:36:A:LYS:HD2	1:36:A:LYS:HE3	20	0.38	0.02	0.37
(1,5127)	1:36:A:LYS:HD3	1:36:A:LYS:HE2	20	0.38	0.02	0.37
(1,5127)	1:66:A:LYS:HD3	1:66:A:LYS:HE2	20	0.38	0.02	0.37
(1,5127)	1:66:A:LYS:HD2	1:66:A:LYS:HE3	20	0.38	0.02	0.37
(1,5128)	1:36:B:LYS:HD2	1:36:B:LYS:HE3	20	0.38	0.02	0.37
(1,5128)	1:36:B:LYS:HD3	1:36:B:LYS:HE2	20	0.38	0.02	0.37
(1,5128)	1:66:B:LYS:HD3	1:66:B:LYS:HE2	20	0.38	0.02	0.37
(1,5128)	1:66:B:LYS:HD2	1:66:B:LYS:HE3	20	0.38	0.02	0.37
(1,1307)	1:75:A:LEU:HD11	1:75:A:LEU:HA	20	0.38	0.05	0.38
(1,1307)	1:75:A:LEU:HD12	1:75:A:LEU:HA	20	0.38	0.05	0.38
(1,1307)	1:75:A:LEU:HD13	1:75:A:LEU:HA	20	0.38	0.05	0.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1308)	1:75:B:LEU:HD11	1:75:B:LEU:HA	20	0.37	0.05	0.38
(1,1308)	1:75:B:LEU:HD12	1:75:B:LEU:HA	20	0.37	0.05	0.38
(1,1308)	1:75:B:LEU:HD13	1:75:B:LEU:HA	20	0.37	0.05	0.38
(1,4548)	1:50:B:PHE:HB2	1:47:B:LEU:HD21	20	0.36	0.13	0.4
(1,4548)	1:50:B:PHE:HB2	1:47:B:LEU:HD23	20	0.36	0.13	0.4
(1,4548)	1:50:B:PHE:HB2	1:47:B:LEU:HD22	20	0.36	0.13	0.4
(1,4548)	1:50:B:PHE:HB3	1:47:B:LEU:HD21	20	0.36	0.13	0.4
(1,4548)	1:50:B:PHE:HB3	1:47:B:LEU:HD23	20	0.36	0.13	0.4
(1,4547)	1:50:A:PHE:HB2	1:47:A:LEU:HD21	20	0.36	0.13	0.4
(1,4547)	1:50:A:PHE:HB2	1:47:A:LEU:HD23	20	0.36	0.13	0.4
(1,4547)	1:50:A:PHE:HB2	1:47:A:LEU:HD22	20	0.36	0.13	0.4
(1,4547)	1:50:A:PHE:HB3	1:47:A:LEU:HD21	20	0.36	0.13	0.4
(1,4547)	1:50:A:PHE:HB3	1:47:A:LEU:HD23	20	0.36	0.13	0.4
(1,4033)	1:21:A:PHE:H	1:19:A:ALA:HA	20	0.36	0.08	0.34
(1,4033)	1:49:A:ALA:HA	1:53:A:ASN:H	20	0.36	0.08	0.34
(1,4034)	1:21:B:PHE:H	1:19:B:ALA:HA	20	0.36	0.08	0.34
(1,4034)	1:49:B:ALA:HA	1:53:B:ASN:H	20	0.36	0.08	0.34
(1,1237)	1:62:A:ARG:HB3	1:59:A:VAL:HA	20	0.35	0.12	0.36
(1,1238)	1:62:B:ARG:HB3	1:59:B:VAL:HA	20	0.35	0.12	0.36
(1,5464)	1:45:B:THR:H	1:46:B:GLU:HB2	20	0.35	0.15	0.34
(1,5464)	1:45:B:THR:H	1:43:B:MET:HB3	20	0.35	0.15	0.34
(1,5682)	1:87:B:LEU:H	1:87:B:LEU:HD13	20	0.35	0.09	0.36
(1,5682)	1:87:B:LEU:H	1:87:B:LEU:HD11	20	0.35	0.09	0.36
(1,5682)	1:87:B:LEU:H	1:87:B:LEU:HD12	20	0.35	0.09	0.36
(1,5681)	1:87:A:LEU:H	1:87:A:LEU:HD13	20	0.35	0.09	0.36
(1,5681)	1:87:A:LEU:H	1:87:A:LEU:HD11	20	0.35	0.09	0.36
(1,5681)	1:87:A:LEU:H	1:87:A:LEU:HD12	20	0.35	0.09	0.36
(1,649)	1:15:A:GLU:HG2	1:16:A:SER:H	20	0.35	0.04	0.35
(1,326)	1:96:B:LEU:HG	1:95:B:PHE:HB2	20	0.35	0.21	0.22
(1,326)	1:96:B:LEU:HG	1:95:B:PHE:HB3	20	0.35	0.21	0.22
(1,5463)	1:45:A:THR:H	1:46:A:GLU:HB2	20	0.35	0.15	0.34
(1,5463)	1:45:A:THR:H	1:43:A:MET:HB3	20	0.35	0.15	0.34
(1,650)	1:15:B:GLU:HG2	1:16:B:SER:H	20	0.35	0.04	0.35
(1,325)	1:96:A:LEU:HG	1:95:A:PHE:HB2	20	0.34	0.21	0.22
(1,325)	1:96:A:LEU:HG	1:95:A:PHE:HB3	20	0.34	0.21	0.22
(1,5131)	1:52:A:LYS:HB2	1:52:A:LYS:HG3	20	0.34	0.06	0.36
(1,5131)	1:97:A:LYS:HB2	1:97:A:LYS:HG3	20	0.34	0.06	0.36
(1,5131)	1:52:A:LYS:HD3	1:52:A:LYS:HG2	20	0.34	0.06	0.36
(1,5131)	1:66:A:LYS:HB2	1:66:A:LYS:HG3	20	0.34	0.06	0.36
(1,5131)	1:97:A:LYS:HB3	1:97:A:LYS:HG2	20	0.34	0.06	0.36
(1,5131)	1:97:A:LYS:HB2	1:97:A:LYS:HG2	20	0.34	0.06	0.36
(1,4633)	1:14:A:ILE:H	1:14:A:ILE:HD12	20	0.34	0.06	0.34

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4633)	1:14:A:ILE:H	1:14:A:ILE:HD11	20	0.34	0.06	0.34
(1,4633)	1:14:A:ILE:H	1:14:A:ILE:HD13	20	0.34	0.06	0.34
(1,5132)	1:52:B:LYS:HB2	1:52:B:LYS:HG3	20	0.34	0.06	0.36
(1,5132)	1:97:B:LYS:HB2	1:97:B:LYS:HG3	20	0.34	0.06	0.36
(1,5132)	1:52:B:LYS:HD3	1:52:B:LYS:HG2	20	0.34	0.06	0.36
(1,5132)	1:66:B:LYS:HB2	1:66:B:LYS:HG3	20	0.34	0.06	0.36
(1,5132)	1:97:B:LYS:HB3	1:97:B:LYS:HG2	20	0.34	0.06	0.36
(1,5132)	1:97:B:LYS:HB2	1:97:B:LYS:HG2	20	0.34	0.06	0.36
(1,4634)	1:14:B:ILE:H	1:14:B:ILE:HD12	20	0.34	0.06	0.34
(1,4634)	1:14:B:ILE:H	1:14:B:ILE:HD11	20	0.34	0.06	0.34
(1,4634)	1:14:B:ILE:H	1:14:B:ILE:HD13	20	0.34	0.06	0.34
(1,5177)	1:60:A:LEU:HD12	1:60:A:LEU:HD11	20	0.33	0.0	0.33
(1,5177)	1:60:A:LEU:HD12	1:60:A:LEU:HD13	20	0.33	0.0	0.33
(1,5177)	1:40:A:LEU:HD12	1:40:A:LEU:HD13	20	0.33	0.0	0.33
(1,5177)	1:60:A:LEU:HD11	1:60:A:LEU:HD13	20	0.33	0.0	0.33
(1,5177)	1:40:A:LEU:HD11	1:40:A:LEU:HD13	20	0.33	0.0	0.33
(1,5178)	1:60:B:LEU:HD12	1:60:B:LEU:HD11	20	0.33	0.0	0.33
(1,5178)	1:60:B:LEU:HD12	1:60:B:LEU:HD13	20	0.33	0.0	0.33
(1,5178)	1:60:B:LEU:HD11	1:60:B:LEU:HD13	20	0.33	0.0	0.33
(1,5178)	1:83:B:LEU:HD12	1:83:B:LEU:HD13	20	0.33	0.0	0.33
(1,5178)	1:40:B:LEU:HD11	1:40:B:LEU:HD13	20	0.33	0.0	0.33
(1,5178)	1:40:B:LEU:HD12	1:40:B:LEU:HD13	20	0.33	0.0	0.33
(1,5178)	1:83:B:LEU:HD12	1:83:B:LEU:HD11	20	0.33	0.0	0.33
(1,4779)	1:14:A:ILE:HD11	1:88:B:ALA:HA	20	0.33	0.06	0.33
(1,4779)	1:14:A:ILE:HD13	1:88:B:ALA:HA	20	0.33	0.06	0.33
(1,4779)	1:14:A:ILE:HD12	1:88:B:ALA:HA	20	0.33	0.06	0.33
(1,4780)	1:14:B:ILE:HD11	1:88:A:ALA:HA	20	0.33	0.07	0.33
(1,4780)	1:14:B:ILE:HD13	1:88:A:ALA:HA	20	0.33	0.07	0.33
(1,4780)	1:14:B:ILE:HD12	1:88:A:ALA:HA	20	0.33	0.07	0.33
(1,2334)	1:60:B:LEU:HD22	1:60:B:LEU:HG	20	0.32	0.01	0.32
(1,2334)	1:60:B:LEU:HD21	1:60:B:LEU:HG	20	0.32	0.01	0.32
(1,2334)	1:60:B:LEU:HD23	1:60:B:LEU:HG	20	0.32	0.01	0.32
(1,2333)	1:60:A:LEU:HD22	1:60:A:LEU:HG	20	0.32	0.01	0.32
(1,2333)	1:60:A:LEU:HD21	1:60:A:LEU:HG	20	0.32	0.01	0.32
(1,2333)	1:60:A:LEU:HD23	1:60:A:LEU:HG	20	0.32	0.01	0.32
(1,5176)	1:98:B:ALA:HB1	1:98:B:ALA:HB3	20	0.32	0.0	0.32
(1,5176)	1:98:B:ALA:HB2	1:98:B:ALA:HB1	20	0.32	0.0	0.32
(1,5176)	1:98:B:ALA:HB2	1:98:B:ALA:HB3	20	0.32	0.0	0.32
(1,5176)	1:48:B:ALA:HB2	1:48:B:ALA:HB1	20	0.32	0.0	0.32
(1,5176)	1:48:B:ALA:HB1	1:48:B:ALA:HB3	20	0.32	0.0	0.32
(1,5175)	1:98:A:ALA:HB2	1:98:A:ALA:HB3	20	0.32	0.0	0.32
(1,5175)	1:98:A:ALA:HB2	1:98:A:ALA:HB1	20	0.32	0.0	0.32

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,5175)	1:98:A:ALA:HB1	1:98:A:ALA:HB3	20	0.32	0.0	0.32
(1,5175)	1:48:A:ALA:HB2	1:48:A:ALA:HB1	20	0.32	0.0	0.32
(1,5175)	1:48:A:ALA:HB2	1:48:A:ALA:HB3	20	0.32	0.0	0.32
(1,4178)	1:8:B:THR:HG22	1:46:A:GLU:H	20	0.32	0.07	0.32
(1,4178)	1:8:B:THR:HG21	1:46:A:GLU:H	20	0.32	0.07	0.32
(1,4178)	1:8:B:THR:HG23	1:46:A:GLU:H	20	0.32	0.07	0.32
(1,4178)	1:20:B:VAL:HG21	1:19:B:ALA:H	20	0.32	0.07	0.32
(1,4178)	1:20:B:VAL:HG23	1:19:B:ALA:H	20	0.32	0.07	0.32
(1,4177)	1:8:A:THR:HG22	1:46:B:GLU:H	20	0.32	0.07	0.32
(1,4177)	1:8:A:THR:HG21	1:46:B:GLU:H	20	0.32	0.07	0.32
(1,4177)	1:8:A:THR:HG23	1:46:B:GLU:H	20	0.32	0.07	0.32
(1,4177)	1:20:A:VAL:HG21	1:19:A:ALA:H	20	0.32	0.07	0.32
(1,4177)	1:20:A:VAL:HG23	1:19:A:ALA:H	20	0.32	0.07	0.32
(1,355)	1:60:A:LEU:HB2	1:61:A:ASP:HB3	20	0.32	0.11	0.36
(1,356)	1:60:B:LEU:HB2	1:61:B:ASP:HB3	20	0.32	0.11	0.37
(1,1579)	1:57:A:PRO:HD3	1:57:A:PRO:HB2	20	0.29	0.04	0.29
(1,1579)	1:57:A:PRO:HD2	1:57:A:PRO:HB2	20	0.29	0.04	0.29
(1,1580)	1:57:B:PRO:HD3	1:57:B:PRO:HB2	20	0.29	0.04	0.29
(1,1580)	1:57:B:PRO:HD2	1:57:B:PRO:HB2	20	0.29	0.04	0.29
(1,4277)	1:16:A:SER:HA	1:15:A:GLU:HB2	20	0.29	0.11	0.24
(1,4278)	1:16:B:SER:HA	1:15:B:GLU:HB2	20	0.29	0.11	0.24
(1,3951)	1:15:A:GLU:HA	1:14:A:ILE:HA	20	0.29	0.04	0.29
(1,3951)	1:15:A:GLU:HA	1:18:A:ILE:HA	20	0.29	0.04	0.29
(1,3952)	1:15:B:GLU:HA	1:14:B:ILE:HA	20	0.29	0.04	0.29
(1,3952)	1:15:B:GLU:HA	1:18:B:ILE:HA	20	0.29	0.04	0.29
(1,4709)	1:15:A:GLU:HB3	1:18:A:ILE:HB	20	0.28	0.06	0.27
(1,1006)	1:9:B:GLU:HG2	1:8:B:THR:HB	20	0.28	0.07	0.28
(1,1006)	1:9:B:GLU:HG3	1:8:B:THR:HB	20	0.28	0.07	0.28
(1,1005)	1:9:A:GLU:HG2	1:8:A:THR:HB	20	0.28	0.07	0.28
(1,1005)	1:9:A:GLU:HG3	1:8:A:THR:HB	20	0.28	0.07	0.28
(1,4710)	1:15:B:GLU:HB3	1:18:B:ILE:HB	20	0.27	0.06	0.26
(1,1088)	1:84:B:ILE:H	1:81:B:LEU:HD21	20	0.27	0.04	0.28
(1,1088)	1:84:B:ILE:H	1:81:B:LEU:HD22	20	0.27	0.04	0.28
(1,1088)	1:84:B:ILE:H	1:81:B:LEU:HD23	20	0.27	0.04	0.28
(1,1087)	1:84:A:ILE:H	1:81:A:LEU:HD21	20	0.27	0.04	0.28
(1,1087)	1:84:A:ILE:H	1:81:A:LEU:HD22	20	0.27	0.04	0.28
(1,1087)	1:84:A:ILE:H	1:81:A:LEU:HD23	20	0.27	0.04	0.28
(1,4602)	1:99:B:VAL:HG13	1:99:B:VAL:HA	20	0.27	0.01	0.27
(1,4602)	1:99:B:VAL:HG11	1:99:B:VAL:HA	20	0.27	0.01	0.27
(1,4602)	1:99:B:VAL:HG12	1:99:B:VAL:HA	20	0.27	0.01	0.27
(1,5336)	1:45:B:THR:H	1:46:B:GLU:HA	20	0.27	0.05	0.28
(1,5336)	1:45:B:THR:H	1:48:B:ALA:HA	20	0.27	0.05	0.28

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4601)	1:99:A:VAL:HG13	1:99:A:VAL:HA	20	0.27	0.01	0.27
(1,4601)	1:99:A:VAL:HG11	1:99:A:VAL:HA	20	0.27	0.01	0.27
(1,4601)	1:99:A:VAL:HG12	1:99:A:VAL:HA	20	0.27	0.01	0.27
(1,5390)	1:23:B:LYS:H	1:23:B:LYS:HE2	20	0.27	0.11	0.24
(1,5390)	1:23:B:LYS:H	1:23:B:LYS:HE3	20	0.27	0.11	0.24
(1,5335)	1:45:A:THR:H	1:46:A:GLU:HA	20	0.27	0.05	0.28
(1,5335)	1:45:A:THR:H	1:48:A:ALA:HA	20	0.27	0.05	0.28
(1,5389)	1:23:A:LYS:H	1:23:A:LYS:HE2	20	0.27	0.11	0.24
(1,5389)	1:23:A:LYS:H	1:23:A:LYS:HE3	20	0.27	0.11	0.24
(1,3888)	1:14:B:ILE:HA	1:16:B:SER:HB2	20	0.27	0.06	0.29
(1,3888)	1:14:B:ILE:HA	1:13:B:CYS:HA	20	0.27	0.06	0.29
(1,3887)	1:14:A:ILE:HA	1:16:A:SER:HB2	20	0.27	0.06	0.29
(1,3887)	1:14:A:ILE:HA	1:13:A:CYS:HA	20	0.27	0.06	0.29
(1,1807)	1:10:A:THR:HA	1:10:A:THR:HG22	20	0.26	0.07	0.28
(1,1807)	1:10:A:THR:HA	1:10:A:THR:HG23	20	0.26	0.07	0.28
(1,1807)	1:10:A:THR:HA	1:10:A:THR:HG21	20	0.26	0.07	0.28
(1,1808)	1:10:B:THR:HA	1:10:B:THR:HG22	20	0.26	0.07	0.28
(1,1808)	1:10:B:THR:HA	1:10:B:THR:HG23	20	0.26	0.07	0.28
(1,1808)	1:10:B:THR:HA	1:10:B:THR:HG21	20	0.26	0.07	0.28
(1,5121)	1:52:A:LYS:HB2	1:52:A:LYS:HG3	20	0.26	0.07	0.29
(1,5121)	1:66:A:LYS:HB2	1:66:A:LYS:HG3	20	0.26	0.07	0.29
(1,5121)	1:52:A:LYS:HB3	1:52:A:LYS:HG3	20	0.26	0.07	0.29
(1,5121)	1:66:A:LYS:HB3	1:66:A:LYS:HG2	20	0.26	0.07	0.29
(1,5122)	1:52:B:LYS:HB2	1:52:B:LYS:HG3	20	0.26	0.07	0.29
(1,5122)	1:66:B:LYS:HB2	1:66:B:LYS:HG3	20	0.26	0.07	0.29
(1,5122)	1:52:B:LYS:HB3	1:52:B:LYS:HG3	20	0.26	0.07	0.29
(1,5122)	1:66:B:LYS:HB3	1:66:B:LYS:HG2	20	0.26	0.07	0.29
(1,5100)	1:17:B:LEU:HD21	1:17:B:LEU:HB3	20	0.24	0.04	0.25
(1,5100)	1:17:B:LEU:HD22	1:17:B:LEU:HB3	20	0.24	0.04	0.25
(1,5100)	1:17:B:LEU:HD23	1:17:B:LEU:HB3	20	0.24	0.04	0.25
(1,5100)	1:60:B:LEU:HB3	1:60:B:LEU:HD21	20	0.24	0.04	0.25
(1,5100)	1:60:B:LEU:HB3	1:60:B:LEU:HD23	20	0.24	0.04	0.25
(1,5099)	1:17:A:LEU:HD21	1:17:A:LEU:HB3	20	0.24	0.04	0.25
(1,5099)	1:17:A:LEU:HD22	1:17:A:LEU:HB3	20	0.24	0.04	0.25
(1,5099)	1:17:A:LEU:HD23	1:17:A:LEU:HB3	20	0.24	0.04	0.25
(1,5099)	1:60:A:LEU:HB3	1:60:A:LEU:HD21	20	0.24	0.04	0.25
(1,5099)	1:60:A:LEU:HB3	1:60:A:LEU:HD23	20	0.24	0.04	0.25
(1,5111)	1:45:A:THR:HA	1:45:A:THR:HG22	20	0.24	0.02	0.24
(1,5111)	1:37:A:THR:HB	1:37:A:THR:HG21	20	0.24	0.02	0.24
(1,5111)	1:45:A:THR:HA	1:45:A:THR:HG21	20	0.24	0.02	0.24
(1,5111)	1:45:A:THR:HB	1:45:A:THR:HG22	20	0.24	0.02	0.24
(1,5111)	1:45:A:THR:HB	1:45:A:THR:HG21	20	0.24	0.02	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,5111)	1:45:A:THR:HA	1:45:A:THR:HG23	20	0.24	0.02	0.24
(1,5111)	1:45:A:THR:HB	1:45:A:THR:HG23	20	0.24	0.02	0.24
(1,5111)	1:37:A:THR:HB	1:37:A:THR:HG22	20	0.24	0.02	0.24
(1,5112)	1:45:B:THR:HA	1:45:B:THR:HG22	20	0.24	0.02	0.24
(1,5112)	1:37:B:THR:HB	1:37:B:THR:HG21	20	0.24	0.02	0.24
(1,5112)	1:45:B:THR:HA	1:45:B:THR:HG21	20	0.24	0.02	0.24
(1,5112)	1:45:B:THR:HB	1:45:B:THR:HG22	20	0.24	0.02	0.24
(1,5112)	1:45:B:THR:HB	1:45:B:THR:HG21	20	0.24	0.02	0.24
(1,5112)	1:45:B:THR:HA	1:45:B:THR:HG23	20	0.24	0.02	0.24
(1,5112)	1:45:B:THR:HB	1:45:B:THR:HG23	20	0.24	0.02	0.24
(1,5112)	1:37:B:THR:HB	1:37:B:THR:HG22	20	0.24	0.02	0.24
(1,4004)	1:51:B:THR:HB	1:50:B:PHE:HB3	20	0.24	0.06	0.22
(1,4004)	1:51:B:THR:HB	1:50:B:PHE:HB2	20	0.24	0.06	0.22
(1,4003)	1:51:A:THR:HB	1:50:A:PHE:HB3	20	0.24	0.06	0.22
(1,4003)	1:51:A:THR:HB	1:50:A:PHE:HB2	20	0.24	0.06	0.22
(1,5101)	1:37:A:THR:HA	1:37:A:THR:HG21	20	0.24	0.04	0.24
(1,5101)	1:37:A:THR:HA	1:37:A:THR:HG22	20	0.24	0.04	0.24
(1,5101)	1:37:A:THR:HA	1:37:A:THR:HG23	20	0.24	0.04	0.24
(1,5102)	1:37:B:THR:HA	1:37:B:THR:HG21	20	0.23	0.04	0.24
(1,5102)	1:37:B:THR:HA	1:37:B:THR:HG22	20	0.23	0.04	0.24
(1,5102)	1:37:B:THR:HA	1:37:B:THR:HG23	20	0.23	0.04	0.24
(1,2361)	1:97:A:LYS:HB2	1:97:A:LYS:HB3	20	0.23	0.0	0.23
(1,2362)	1:97:B:LYS:HB2	1:97:B:LYS:HB3	20	0.23	0.0	0.23
(1,5109)	1:45:A:THR:HA	1:45:A:THR:HG22	20	0.23	0.02	0.23
(1,5109)	1:69:A:THR:HB	1:69:A:THR:HG22	20	0.23	0.02	0.23
(1,5109)	1:45:A:THR:HA	1:45:A:THR:HG21	20	0.23	0.02	0.23
(1,5109)	1:45:A:THR:HB	1:45:A:THR:HG22	20	0.23	0.02	0.23
(1,5109)	1:45:A:THR:HB	1:45:A:THR:HG21	20	0.23	0.02	0.23
(1,5109)	1:45:A:THR:HA	1:45:A:THR:HG23	20	0.23	0.02	0.23
(1,5109)	1:45:A:THR:HB	1:45:A:THR:HG23	20	0.23	0.02	0.23
(1,5109)	1:69:A:THR:HB	1:69:A:THR:HG23	20	0.23	0.02	0.23
(1,5110)	1:45:B:THR:HA	1:45:B:THR:HG22	20	0.23	0.02	0.23
(1,5110)	1:69:B:THR:HB	1:69:B:THR:HG22	20	0.23	0.02	0.23
(1,5110)	1:45:B:THR:HA	1:45:B:THR:HG21	20	0.23	0.02	0.23
(1,5110)	1:45:B:THR:HB	1:45:B:THR:HG22	20	0.23	0.02	0.23
(1,5110)	1:45:B:THR:HB	1:45:B:THR:HG21	20	0.23	0.02	0.23
(1,5110)	1:45:B:THR:HA	1:45:B:THR:HG23	20	0.23	0.02	0.23
(1,5110)	1:45:B:THR:HB	1:45:B:THR:HG23	20	0.23	0.02	0.23
(1,5110)	1:69:B:THR:HB	1:69:B:THR:HG23	20	0.23	0.02	0.23
(1,986)	1:61:B:ASP:H	1:58:B:GLY:HA3	20	0.23	0.04	0.24
(1,4054)	1:68:B:ASP:HA	1:69:B:THR:HA	20	0.23	0.03	0.23
(1,4053)	1:68:A:ASP:HA	1:69:A:THR:HA	20	0.23	0.03	0.23

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,985)	1:61:A:ASP:H	1:58:A:GLY:HA3	20	0.23	0.04	0.24
(1,5169)	1:57:A:PRO:HG2	1:57:A:PRO:HG3	20	0.23	0.0	0.23
(1,5169)	1:7:A:PRO:HG2	1:7:A:PRO:HG3	20	0.23	0.0	0.23
(1,5170)	1:57:B:PRO:HG2	1:57:B:PRO:HG3	20	0.23	0.0	0.23
(1,5170)	1:7:B:PRO:HG2	1:7:B:PRO:HG3	20	0.23	0.0	0.23
(1,1848)	1:59:B:VAL:HG21	1:60:B:LEU:HA	20	0.22	0.03	0.22
(1,1848)	1:59:B:VAL:HG23	1:60:B:LEU:HA	20	0.22	0.03	0.22
(1,1848)	1:59:B:VAL:HG22	1:60:B:LEU:HA	20	0.22	0.03	0.22
(1,1847)	1:59:A:VAL:HG21	1:60:A:LEU:HA	20	0.22	0.03	0.22
(1,1847)	1:59:A:VAL:HG23	1:60:A:LEU:HA	20	0.22	0.03	0.22
(1,1847)	1:59:A:VAL:HG22	1:60:A:LEU:HA	20	0.22	0.03	0.22
(1,1685)	1:17:A:LEU:HB2	1:17:A:LEU:HD21	20	0.22	0.03	0.22
(1,1685)	1:17:A:LEU:HB2	1:17:A:LEU:HD22	20	0.22	0.03	0.22
(1,1685)	1:17:A:LEU:HB2	1:17:A:LEU:HD23	20	0.22	0.03	0.22
(1,1686)	1:17:B:LEU:HB2	1:17:B:LEU:HD21	20	0.22	0.03	0.23
(1,1686)	1:17:B:LEU:HB2	1:17:B:LEU:HD22	20	0.22	0.03	0.23
(1,1686)	1:17:B:LEU:HB2	1:17:B:LEU:HD23	20	0.22	0.03	0.23
(1,5173)	1:90:A:ALA:HB2	1:90:A:ALA:HB3	20	0.22	0.0	0.22
(1,5173)	1:19:A:ALA:HB2	1:19:A:ALA:HB1	20	0.22	0.0	0.22
(1,5173)	1:90:A:ALA:HB2	1:90:A:ALA:HB1	20	0.22	0.0	0.22
(1,5173)	1:19:A:ALA:HB1	1:19:A:ALA:HB3	20	0.22	0.0	0.22
(1,5173)	1:90:A:ALA:HB1	1:90:A:ALA:HB3	20	0.22	0.0	0.22
(1,5173)	1:19:A:ALA:HB2	1:19:A:ALA:HB3	20	0.22	0.0	0.22
(1,5174)	1:90:B:ALA:HB2	1:90:B:ALA:HB3	20	0.22	0.0	0.22
(1,5174)	1:19:B:ALA:HB2	1:19:B:ALA:HB1	20	0.22	0.0	0.22
(1,5174)	1:90:B:ALA:HB2	1:90:B:ALA:HB1	20	0.22	0.0	0.22
(1,5174)	1:90:B:ALA:HB1	1:90:B:ALA:HB3	20	0.22	0.0	0.22
(1,5174)	1:19:B:ALA:HB2	1:19:B:ALA:HB3	20	0.22	0.0	0.22
(1,2360)	1:23:B:LYS:HE2	1:23:B:LYS:HE3	20	0.22	0.0	0.22
(1,2359)	1:23:A:LYS:HE2	1:23:A:LYS:HE3	20	0.22	0.01	0.22
(1,5167)	1:98:A:ALA:HB2	1:98:A:ALA:HB3	20	0.2	0.0	0.2
(1,5167)	1:98:A:ALA:HB2	1:98:A:ALA:HB1	20	0.2	0.0	0.2
(1,5167)	1:98:A:ALA:HB1	1:98:A:ALA:HB3	20	0.2	0.0	0.2
(1,5167)	1:48:A:ALA:HB2	1:48:A:ALA:HB1	20	0.2	0.0	0.2
(1,5167)	1:48:A:ALA:HB2	1:48:A:ALA:HB3	20	0.2	0.0	0.2
(1,5168)	1:98:B:ALA:HB1	1:98:B:ALA:HB3	20	0.2	0.0	0.2
(1,5168)	1:98:B:ALA:HB2	1:98:B:ALA:HB1	20	0.2	0.0	0.2
(1,5168)	1:98:B:ALA:HB2	1:98:B:ALA:HB3	20	0.2	0.0	0.2
(1,5168)	1:48:B:ALA:HB2	1:48:B:ALA:HB1	20	0.2	0.0	0.2
(1,5168)	1:48:B:ALA:HB1	1:48:B:ALA:HB3	20	0.2	0.0	0.2
(1,2317)	1:17:A:LEU:HD12	1:17:A:LEU:HD22	20	0.2	0.02	0.2
(1,2317)	1:17:A:LEU:HD11	1:17:A:LEU:HD23	20	0.2	0.02	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2317)	1:17:A:LEU:HD13	1:17:A:LEU:HD21	20	0.2	0.02	0.2
(1,2317)	1:17:A:LEU:HD13	1:17:A:LEU:HD23	20	0.2	0.02	0.2
(1,2317)	1:17:A:LEU:HD11	1:17:A:LEU:HD22	20	0.2	0.02	0.2
(1,2317)	1:17:A:LEU:HD12	1:17:A:LEU:HD23	20	0.2	0.02	0.2
(1,2317)	1:17:A:LEU:HD12	1:17:A:LEU:HD21	20	0.2	0.02	0.2
(1,2317)	1:17:A:LEU:HD13	1:17:A:LEU:HD22	20	0.2	0.02	0.2
(1,2317)	1:17:A:LEU:HD11	1:17:A:LEU:HD21	20	0.2	0.02	0.2
(1,2318)	1:17:B:LEU:HD12	1:17:B:LEU:HD22	20	0.2	0.02	0.2
(1,2318)	1:17:B:LEU:HD11	1:17:B:LEU:HD23	20	0.2	0.02	0.2
(1,2318)	1:17:B:LEU:HD13	1:17:B:LEU:HD21	20	0.2	0.02	0.2
(1,2318)	1:17:B:LEU:HD13	1:17:B:LEU:HD23	20	0.2	0.02	0.2
(1,2318)	1:17:B:LEU:HD11	1:17:B:LEU:HD22	20	0.2	0.02	0.2
(1,2318)	1:17:B:LEU:HD12	1:17:B:LEU:HD23	20	0.2	0.02	0.2
(1,2318)	1:17:B:LEU:HD12	1:17:B:LEU:HD21	20	0.2	0.02	0.2
(1,2318)	1:17:B:LEU:HD13	1:17:B:LEU:HD22	20	0.2	0.02	0.2
(1,2318)	1:17:B:LEU:HD11	1:17:B:LEU:HD21	20	0.2	0.02	0.2
(1,3933)	1:34:A:LEU:HA	1:35:A:SER:HB3	20	0.2	0.02	0.2
(1,539)	1:16:A:SER:HA	1:15:A:GLU:H	20	0.19	0.02	0.19
(1,3934)	1:34:B:LEU:HA	1:35:B:SER:HB3	20	0.19	0.02	0.19
(1,540)	1:16:B:SER:HA	1:15:B:GLU:H	20	0.19	0.02	0.19
(1,2629)	1:69:A:THR:H	1:67:A:LEU:HB2	20	0.18	0.04	0.18
(1,2630)	1:69:B:THR:H	1:67:B:LEU:HB2	20	0.18	0.04	0.18
(2,77)	1:61:A:ASP:HA	1:59:A:VAL:HA	20	0.17	0.02	0.18
(2,78)	1:61:B:ASP:HA	1:59:B:VAL:HA	20	0.17	0.02	0.18
(1,3091)	1:75:A:LEU:H	1:75:A:LEU:HB3	20	0.17	0.02	0.17
(1,3092)	1:75:B:LEU:H	1:75:B:LEU:HB3	20	0.17	0.02	0.17
(1,2358)	1:10:B:THR:HG22	1:10:B:THR:HG23	20	0.16	0.0	0.16
(1,2358)	1:10:B:THR:HG21	1:10:B:THR:HG23	20	0.16	0.0	0.16
(1,2358)	1:10:B:THR:HG21	1:10:B:THR:HG22	20	0.16	0.0	0.16
(1,2357)	1:10:A:THR:HG22	1:10:A:THR:HG23	20	0.16	0.0	0.16
(1,2357)	1:10:A:THR:HG21	1:10:A:THR:HG23	20	0.16	0.0	0.16
(1,2357)	1:10:A:THR:HG21	1:10:A:THR:HG22	20	0.16	0.0	0.16
(1,2355)	1:9:A:GLU:HG2	1:9:A:GLU:HG3	20	0.16	0.0	0.16
(1,2356)	1:9:B:GLU:HG2	1:9:B:GLU:HG3	20	0.16	0.0	0.16
(1,2354)	1:12:B:ARG:HD2	1:12:B:ARG:HD3	20	0.15	0.0	0.15
(1,2353)	1:12:A:ARG:HD2	1:12:A:ARG:HD3	20	0.15	0.0	0.15
(1,5164)	1:62:B:ARG:HB2	1:62:B:ARG:HB3	20	0.14	0.0	0.14
(1,5164)	1:14:B:ILE:HG12	1:14:B:ILE:HG13	20	0.14	0.0	0.14
(1,5163)	1:62:A:ARG:HB2	1:62:A:ARG:HB3	20	0.14	0.0	0.14
(1,5163)	1:14:A:ILE:HG12	1:14:A:ILE:HG13	20	0.14	0.0	0.14
(1,2351)	1:47:A:LEU:HD21	1:47:A:LEU:HD23	20	0.11	0.0	0.11
(1,2351)	1:47:A:LEU:HD22	1:47:A:LEU:HD23	20	0.11	0.0	0.11

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2351)	1:47:A:LEU:HD22	1:47:A:LEU:HD21	20	0.11	0.0	0.11
(1,2352)	1:47:B:LEU:HD21	1:47:B:LEU:HD23	20	0.11	0.0	0.11
(1,2352)	1:47:B:LEU:HD22	1:47:B:LEU:HD23	20	0.11	0.0	0.11
(1,2352)	1:47:B:LEU:HD22	1:47:B:LEU:HD21	20	0.11	0.0	0.11
(1,3815)	1:42:A:PHE:HA	1:8:B:THR:HG22	19	1.28	0.13	1.28
(1,3815)	1:42:A:PHE:HA	1:8:B:THR:HG21	19	1.28	0.13	1.28
(1,3815)	1:42:A:PHE:HA	1:8:B:THR:HG23	19	1.28	0.13	1.28
(1,3815)	1:42:A:PHE:HA	1:23:A:LYS:HD2	19	1.28	0.13	1.28
(1,3816)	1:42:B:PHE:HA	1:8:A:THR:HG22	19	1.28	0.13	1.28
(1,3816)	1:42:B:PHE:HA	1:8:A:THR:HG21	19	1.28	0.13	1.28
(1,3816)	1:42:B:PHE:HA	1:8:A:THR:HG23	19	1.28	0.13	1.28
(1,3816)	1:42:B:PHE:HA	1:23:B:LYS:HD2	19	1.28	0.13	1.28
(1,5274)	1:77:B:PHE:H	1:81:B:LEU:HD11	19	1.27	0.34	1.42
(1,5274)	1:77:B:PHE:H	1:81:B:LEU:HD13	19	1.27	0.34	1.42
(1,5274)	1:77:B:PHE:H	1:81:B:LEU:HD12	19	1.27	0.34	1.42
(1,5274)	1:77:B:PHE:H	1:34:B:LEU:HD13	19	1.27	0.34	1.42
(1,5274)	1:77:B:PHE:H	1:34:B:LEU:HD12	19	1.27	0.34	1.42
(1,5274)	1:77:B:PHE:H	1:96:A:LEU:HD23	19	1.27	0.34	1.42
(1,5273)	1:77:A:PHE:H	1:81:A:LEU:HD11	19	1.27	0.34	1.41
(1,5273)	1:77:A:PHE:H	1:81:A:LEU:HD13	19	1.27	0.34	1.41
(1,5273)	1:77:A:PHE:H	1:81:A:LEU:HD12	19	1.27	0.34	1.41
(1,5273)	1:77:A:PHE:H	1:34:A:LEU:HD13	19	1.27	0.34	1.41
(1,5273)	1:77:A:PHE:H	1:34:A:LEU:HD12	19	1.27	0.34	1.41
(1,5273)	1:77:A:PHE:H	1:96:B:LEU:HD23	19	1.27	0.34	1.41
(1,3925)	1:9:A:GLU:HB3	1:13:A:CYS:HB3	19	1.19	0.29	1.17
(1,3925)	1:15:A:GLU:HB3	1:91:B:CYS:HB3	19	1.19	0.29	1.17
(1,3926)	1:9:B:GLU:HB3	1:13:B:CYS:HB3	19	1.19	0.29	1.17
(1,3926)	1:15:B:GLU:HB3	1:91:A:CYS:HB3	19	1.19	0.29	1.17
(1,3959)	1:99:A:VAL:HG12	1:100:A:PRO:HD2	19	0.98	0.19	1.04
(1,3959)	1:99:A:VAL:HG13	1:100:A:PRO:HD2	19	0.98	0.19	1.04
(1,3959)	1:99:A:VAL:HG12	1:101:A:SER:HB2	19	0.98	0.19	1.04
(1,3959)	1:99:A:VAL:HG11	1:100:A:PRO:HD2	19	0.98	0.19	1.04
(1,3959)	1:99:A:VAL:HG11	1:101:A:SER:HB3	19	0.98	0.19	1.04
(1,3959)	1:99:A:VAL:HG13	1:101:A:SER:HB2	19	0.98	0.19	1.04
(1,3959)	1:99:A:VAL:HG11	1:101:A:SER:HB2	19	0.98	0.19	1.04
(1,3960)	1:99:B:VAL:HG12	1:100:B:PRO:HD2	19	0.98	0.19	1.04
(1,3960)	1:99:B:VAL:HG13	1:100:B:PRO:HD2	19	0.98	0.19	1.04
(1,3960)	1:99:B:VAL:HG12	1:101:B:SER:HB2	19	0.98	0.19	1.04
(1,3960)	1:99:B:VAL:HG11	1:100:B:PRO:HD2	19	0.98	0.19	1.04
(1,3960)	1:99:B:VAL:HG11	1:101:B:SER:HB3	19	0.98	0.19	1.04
(1,3960)	1:99:B:VAL:HG13	1:101:B:SER:HB2	19	0.98	0.19	1.04
(1,3960)	1:99:B:VAL:HG11	1:101:B:SER:HB2	19	0.98	0.19	1.04

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,5535)	1:23:A:LYS:H	1:22:A:GLN:HG3	19	0.95	0.24	1.0
(1,5535)	1:23:A:LYS:H	1:22:A:GLN:HG2	19	0.95	0.24	1.0
(1,5536)	1:23:B:LYS:H	1:22:B:GLN:HG3	19	0.95	0.24	0.99
(1,5536)	1:23:B:LYS:H	1:22:B:GLN:HG2	19	0.95	0.24	0.99
(1,3725)	1:46:A:GLU:HB2	1:20:A:VAL:HG11	19	0.92	0.26	1.0
(1,3725)	1:46:A:GLU:HB2	1:20:A:VAL:HG13	19	0.92	0.26	1.0
(1,3725)	1:46:A:GLU:HB2	1:20:A:VAL:HG12	19	0.92	0.26	1.0
(1,3726)	1:46:B:GLU:HB2	1:20:B:VAL:HG11	19	0.92	0.26	1.0
(1,3726)	1:46:B:GLU:HB2	1:20:B:VAL:HG13	19	0.92	0.26	1.0
(1,3726)	1:46:B:GLU:HB2	1:20:B:VAL:HG12	19	0.92	0.26	1.0
(1,3551)	1:47:A:LEU:HB2	1:11:B:GLU:HG3	19	0.87	0.15	0.92
(1,3551)	1:87:A:LEU:HB2	1:89:A:MET:HB2	19	0.87	0.15	0.92
(1,3551)	1:47:A:LEU:HB2	1:46:A:GLU:HG2	19	0.87	0.15	0.92
(1,3552)	1:47:B:LEU:HB2	1:11:A:GLU:HG3	19	0.87	0.15	0.92
(1,3552)	1:87:B:LEU:HB2	1:89:B:MET:HB2	19	0.87	0.15	0.92
(1,3552)	1:47:B:LEU:HB2	1:46:B:GLU:HG2	19	0.87	0.15	0.92
(1,3533)	1:47:A:LEU:HB2	1:11:B:GLU:HG3	19	0.84	0.15	0.88
(1,3533)	1:87:A:LEU:HB2	1:89:A:MET:HB2	19	0.84	0.15	0.88
(1,3533)	1:47:A:LEU:HB2	1:46:A:GLU:HG2	19	0.84	0.15	0.88
(1,3534)	1:47:B:LEU:HB2	1:11:A:GLU:HG3	19	0.83	0.15	0.88
(1,3534)	1:87:B:LEU:HB2	1:89:B:MET:HB2	19	0.83	0.15	0.88
(1,3534)	1:47:B:LEU:HB2	1:46:B:GLU:HG2	19	0.83	0.15	0.88
(1,3730)	1:18:B:ILE:HG22	1:95:A:PHE:HA	19	0.82	0.29	0.89
(1,3730)	1:18:B:ILE:HG22	1:16:B:SER:HA	19	0.82	0.29	0.89
(1,3730)	1:18:B:ILE:HG23	1:95:A:PHE:HA	19	0.82	0.29	0.89
(1,3730)	1:18:B:ILE:HG21	1:16:B:SER:HA	19	0.82	0.29	0.89
(1,3730)	1:18:B:ILE:HG21	1:95:A:PHE:HA	19	0.82	0.29	0.89
(1,3729)	1:18:A:ILE:HG22	1:95:B:PHE:HA	19	0.82	0.29	0.88
(1,3729)	1:18:A:ILE:HG22	1:16:A:SER:HA	19	0.82	0.29	0.88
(1,3729)	1:18:A:ILE:HG23	1:95:B:PHE:HA	19	0.82	0.29	0.88
(1,3729)	1:18:A:ILE:HG21	1:16:A:SER:HA	19	0.82	0.29	0.88
(1,3729)	1:18:A:ILE:HG21	1:95:B:PHE:HA	19	0.82	0.29	0.88
(1,4618)	1:68:B:ASP:HA	1:74:B:GLN:HB3	19	0.8	0.15	0.83
(1,4617)	1:68:A:ASP:HA	1:74:A:GLN:HB3	19	0.8	0.15	0.83
(1,4094)	1:62:B:ARG:HB2	1:66:B:LYS:HE2	19	0.77	0.3	0.81
(1,4094)	1:38:B:GLU:HB3	1:27:B:LYS:HE3	19	0.77	0.3	0.81
(1,4094)	1:38:B:GLU:HB3	1:27:B:LYS:HE2	19	0.77	0.3	0.81
(1,4093)	1:62:A:ARG:HB2	1:66:A:LYS:HE2	19	0.77	0.3	0.81
(1,4093)	1:38:A:GLU:HB3	1:27:A:LYS:HE3	19	0.77	0.3	0.81
(1,4093)	1:38:A:GLU:HB3	1:27:A:LYS:HE2	19	0.77	0.3	0.81
(1,4696)	1:20:B:VAL:HG11	1:47:B:LEU:HD22	19	0.74	0.31	0.7
(1,4696)	1:20:B:VAL:HG13	1:47:B:LEU:HD21	19	0.74	0.31	0.7

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4696)	1:20:B:VAL:HG12	1:47:B:LEU:HD23	19	0.74	0.31	0.7
(1,4696)	1:20:B:VAL:HG13	1:47:B:LEU:HD23	19	0.74	0.31	0.7
(1,4696)	1:20:B:VAL:HG13	1:47:B:LEU:HD22	19	0.74	0.31	0.7
(1,4696)	1:20:B:VAL:HG12	1:17:B:LEU:HD13	19	0.74	0.31	0.7
(1,4696)	1:20:B:VAL:HG11	1:47:B:LEU:HD21	19	0.74	0.31	0.7
(1,4696)	1:20:B:VAL:HG12	1:17:B:LEU:HD11	19	0.74	0.31	0.7
(1,4696)	1:20:B:VAL:HG12	1:47:B:LEU:HD21	19	0.74	0.31	0.7
(1,4696)	1:20:B:VAL:HG11	1:47:B:LEU:HD23	19	0.74	0.31	0.7
(1,4696)	1:20:B:VAL:HG13	1:17:B:LEU:HD13	19	0.74	0.31	0.7
(1,3789)	1:91:A:CYS:HA	1:18:B:ILE:HG22	19	0.72	0.22	0.71
(1,3789)	1:91:A:CYS:HA	1:18:B:ILE:HG23	19	0.72	0.22	0.71
(1,3789)	1:91:A:CYS:HA	1:18:B:ILE:HG21	19	0.72	0.22	0.71
(1,4460)	1:20:B:VAL:HG21	1:81:B:LEU:HD21	19	0.72	0.71	0.44
(1,4460)	1:20:B:VAL:HG21	1:81:B:LEU:HD23	19	0.72	0.71	0.44
(1,4460)	1:20:B:VAL:HG22	1:81:B:LEU:HD21	19	0.72	0.71	0.44
(1,4460)	1:20:B:VAL:HG23	1:81:B:LEU:HD22	19	0.72	0.71	0.44
(1,4460)	1:20:B:VAL:HG23	1:81:B:LEU:HD21	19	0.72	0.71	0.44
(1,4460)	1:20:B:VAL:HG23	1:81:B:LEU:HD23	19	0.72	0.71	0.44
(1,3790)	1:91:B:CYS:HA	1:18:A:ILE:HG22	19	0.72	0.23	0.7
(1,3790)	1:91:B:CYS:HA	1:18:A:ILE:HG23	19	0.72	0.23	0.7
(1,3790)	1:91:B:CYS:HA	1:18:A:ILE:HG21	19	0.72	0.23	0.7
(1,4103)	1:42:A:PHE:HA	1:20:A:VAL:HB	19	0.68	0.36	0.67
(1,4104)	1:42:B:PHE:HA	1:20:B:VAL:HB	19	0.68	0.36	0.67
(1,1016)	1:9:B:GLU:HG2	1:13:B:CYS:HB3	19	0.67	0.17	0.74
(1,1016)	1:9:B:GLU:HG3	1:13:B:CYS:HB3	19	0.67	0.17	0.74
(1,1015)	1:9:A:GLU:HG2	1:13:A:CYS:HB3	19	0.66	0.17	0.73
(1,1015)	1:9:A:GLU:HG3	1:13:A:CYS:HB3	19	0.66	0.17	0.73
(1,3454)	1:81:B:LEU:HB2	1:77:B:PHE:HB2	19	0.63	0.24	0.72
(1,3454)	1:87:B:LEU:HB2	1:89:B:MET:HB2	19	0.63	0.24	0.72
(1,3453)	1:81:A:LEU:HB2	1:77:A:PHE:HB2	19	0.63	0.24	0.72
(1,3453)	1:87:A:LEU:HB2	1:89:A:MET:HB2	19	0.63	0.24	0.72
(1,5314)	1:92:B:HIS:H	1:96:B:LEU:HD21	19	0.6	0.2	0.62
(1,5314)	1:92:B:HIS:H	1:18:A:ILE:HG23	19	0.6	0.2	0.62
(1,5314)	1:92:B:HIS:H	1:96:B:LEU:HD22	19	0.6	0.2	0.62
(1,5314)	1:92:B:HIS:H	1:81:A:LEU:HD13	19	0.6	0.2	0.62
(1,5314)	1:92:B:HIS:H	1:81:A:LEU:HD11	19	0.6	0.2	0.62
(1,5314)	1:92:B:HIS:H	1:18:A:ILE:HG22	19	0.6	0.2	0.62
(1,5314)	1:92:B:HIS:H	1:18:A:ILE:HG21	19	0.6	0.2	0.62
(1,5314)	1:92:B:HIS:H	1:81:A:LEU:HD12	19	0.6	0.2	0.62
(1,5313)	1:92:A:HIS:H	1:96:A:LEU:HD21	19	0.6	0.2	0.62
(1,5313)	1:92:A:HIS:H	1:18:B:ILE:HG23	19	0.6	0.2	0.62
(1,5313)	1:92:A:HIS:H	1:96:A:LEU:HD22	19	0.6	0.2	0.62

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,5313)	1:92:A:HIS:H	1:81:B:LEU:HD13	19	0.6	0.2	0.62
(1,5313)	1:92:A:HIS:H	1:18:B:ILE:HG22	19	0.6	0.2	0.62
(1,5313)	1:92:A:HIS:H	1:18:B:ILE:HG21	19	0.6	0.2	0.62
(1,5313)	1:92:A:HIS:H	1:81:B:LEU:HD12	19	0.6	0.2	0.62
(1,5319)	1:77:A:PHE:H	1:78:A:SER:HA	19	0.6	0.13	0.6
(1,5319)	1:77:A:PHE:H	1:78:A:SER:HB3	19	0.6	0.13	0.6
(1,5320)	1:77:B:PHE:H	1:78:B:SER:HA	19	0.59	0.14	0.6
(1,5320)	1:77:B:PHE:H	1:78:B:SER:HB3	19	0.59	0.14	0.6
(1,3377)	1:8:A:THR:HG22	1:48:B:ALA:HA	19	0.58	0.19	0.56
(1,3377)	1:8:A:THR:HG21	1:48:B:ALA:HA	19	0.58	0.19	0.56
(1,3377)	1:8:A:THR:HG23	1:48:B:ALA:HA	19	0.58	0.19	0.56
(1,3377)	1:8:A:THR:HG22	1:49:B:ALA:HA	19	0.58	0.19	0.56
(1,3377)	1:8:A:THR:HG21	1:49:B:ALA:HA	19	0.58	0.19	0.56
(1,3378)	1:8:B:THR:HG22	1:48:A:ALA:HA	19	0.58	0.2	0.54
(1,3378)	1:8:B:THR:HG21	1:48:A:ALA:HA	19	0.58	0.2	0.54
(1,3378)	1:8:B:THR:HG23	1:48:A:ALA:HA	19	0.58	0.2	0.54
(1,3378)	1:8:B:THR:HG22	1:49:A:ALA:HA	19	0.58	0.2	0.54
(1,3378)	1:8:B:THR:HG21	1:49:A:ALA:HA	19	0.58	0.2	0.54
(1,4457)	1:18:A:ILE:HG21	1:19:A:ALA:HB2	19	0.55	0.19	0.62
(1,4457)	1:18:A:ILE:HG22	1:19:A:ALA:HB2	19	0.55	0.19	0.62
(1,4457)	1:18:A:ILE:HG22	1:19:A:ALA:HB1	19	0.55	0.19	0.62
(1,4457)	1:18:A:ILE:HG21	1:19:A:ALA:HB1	19	0.55	0.19	0.62
(1,4457)	1:18:A:ILE:HG23	1:19:A:ALA:HB1	19	0.55	0.19	0.62
(1,4457)	1:18:A:ILE:HG21	1:19:A:ALA:HB3	19	0.55	0.19	0.62
(1,4457)	1:18:A:ILE:HG22	1:19:A:ALA:HB3	19	0.55	0.19	0.62
(1,4457)	1:18:A:ILE:HG23	1:19:A:ALA:HB2	19	0.55	0.19	0.62
(1,4458)	1:18:B:ILE:HG21	1:19:B:ALA:HB2	19	0.55	0.19	0.62
(1,4458)	1:18:B:ILE:HG22	1:19:B:ALA:HB2	19	0.55	0.19	0.62
(1,4458)	1:18:B:ILE:HG22	1:19:B:ALA:HB1	19	0.55	0.19	0.62
(1,4458)	1:18:B:ILE:HG21	1:19:B:ALA:HB1	19	0.55	0.19	0.62
(1,4458)	1:18:B:ILE:HG23	1:19:B:ALA:HB1	19	0.55	0.19	0.62
(1,4458)	1:18:B:ILE:HG21	1:19:B:ALA:HB3	19	0.55	0.19	0.62
(1,4458)	1:18:B:ILE:HG22	1:19:B:ALA:HB3	19	0.55	0.19	0.62
(1,4458)	1:18:B:ILE:HG23	1:19:B:ALA:HB2	19	0.55	0.19	0.62
(1,3731)	1:25:A:ALA:HB2	1:35:A:SER:HB2	19	0.54	0.21	0.61
(1,3731)	1:25:A:ALA:HB3	1:35:A:SER:HB2	19	0.54	0.21	0.61
(1,3731)	1:25:A:ALA:HB1	1:35:A:SER:HB2	19	0.54	0.21	0.61
(1,3732)	1:25:B:ALA:HB2	1:35:B:SER:HB2	19	0.54	0.21	0.6
(1,3732)	1:25:B:ALA:HB3	1:35:B:SER:HB2	19	0.54	0.21	0.6
(1,3732)	1:25:B:ALA:HB1	1:35:B:SER:HB2	19	0.54	0.21	0.6
(1,3371)	1:10:A:THR:HG23	1:87:B:LEU:HD22	19	0.53	0.34	0.52
(1,3371)	1:10:A:THR:HG23	1:87:B:LEU:HD21	19	0.53	0.34	0.52

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3371)	1:10:A:THR:HG21	1:87:B:LEU:HD21	19	0.53	0.34	0.52
(1,3371)	1:10:A:THR:HG22	1:87:B:LEU:HD21	19	0.53	0.34	0.52
(1,3371)	1:10:A:THR:HG23	1:87:B:LEU:HD23	19	0.53	0.34	0.52
(1,3371)	1:10:A:THR:HG21	1:87:B:LEU:HD22	19	0.53	0.34	0.52
(1,3371)	1:10:A:THR:HG22	1:87:B:LEU:HD22	19	0.53	0.34	0.52
(1,3371)	1:10:A:THR:HG22	1:87:B:LEU:HD23	19	0.53	0.34	0.52
(1,3371)	1:10:A:THR:HG21	1:87:B:LEU:HD23	19	0.53	0.34	0.52
(1,4937)	1:10:A:THR:HG23	1:87:B:LEU:HD22	19	0.53	0.34	0.52
(1,4937)	1:10:A:THR:HG23	1:87:B:LEU:HD21	19	0.53	0.34	0.52
(1,4937)	1:10:A:THR:HG21	1:87:B:LEU:HD21	19	0.53	0.34	0.52
(1,4937)	1:10:A:THR:HG22	1:87:B:LEU:HD21	19	0.53	0.34	0.52
(1,4937)	1:10:A:THR:HG23	1:87:B:LEU:HD23	19	0.53	0.34	0.52
(1,4937)	1:10:A:THR:HG21	1:87:B:LEU:HD22	19	0.53	0.34	0.52
(1,4937)	1:10:A:THR:HG22	1:87:B:LEU:HD22	19	0.53	0.34	0.52
(1,4937)	1:10:A:THR:HG22	1:87:B:LEU:HD23	19	0.53	0.34	0.52
(1,4937)	1:10:A:THR:HG21	1:87:B:LEU:HD23	19	0.53	0.34	0.52
(1,3372)	1:10:B:THR:HG23	1:87:A:LEU:HD22	19	0.52	0.34	0.5
(1,3372)	1:10:B:THR:HG23	1:87:A:LEU:HD21	19	0.52	0.34	0.5
(1,3372)	1:10:B:THR:HG21	1:87:A:LEU:HD21	19	0.52	0.34	0.5
(1,3372)	1:10:B:THR:HG22	1:87:A:LEU:HD21	19	0.52	0.34	0.5
(1,3372)	1:10:B:THR:HG23	1:87:A:LEU:HD23	19	0.52	0.34	0.5
(1,3372)	1:10:B:THR:HG21	1:87:A:LEU:HD22	19	0.52	0.34	0.5
(1,3372)	1:10:B:THR:HG22	1:87:A:LEU:HD22	19	0.52	0.34	0.5
(1,3372)	1:10:B:THR:HG22	1:87:A:LEU:HD23	19	0.52	0.34	0.5
(1,3372)	1:10:B:THR:HG21	1:87:A:LEU:HD23	19	0.52	0.34	0.5
(1,4938)	1:10:B:THR:HG23	1:87:A:LEU:HD22	19	0.52	0.34	0.5
(1,4938)	1:10:B:THR:HG23	1:87:A:LEU:HD21	19	0.52	0.34	0.5
(1,4938)	1:10:B:THR:HG21	1:87:A:LEU:HD21	19	0.52	0.34	0.5
(1,4938)	1:10:B:THR:HG22	1:87:A:LEU:HD21	19	0.52	0.34	0.5
(1,4938)	1:10:B:THR:HG23	1:87:A:LEU:HD23	19	0.52	0.34	0.5
(1,4938)	1:10:B:THR:HG21	1:87:A:LEU:HD22	19	0.52	0.34	0.5
(1,4938)	1:10:B:THR:HG22	1:87:A:LEU:HD22	19	0.52	0.34	0.5
(1,4938)	1:10:B:THR:HG22	1:87:A:LEU:HD23	19	0.52	0.34	0.5
(1,4938)	1:10:B:THR:HG21	1:87:A:LEU:HD23	19	0.52	0.34	0.5
(1,4064)	1:23:B:LYS:HD3	1:24:B:TYR:H	19	0.49	0.1	0.48
(1,4063)	1:23:A:LYS:HD3	1:24:A:TYR:H	19	0.49	0.1	0.48
(1,3387)	1:17:A:LEU:HD21	1:88:B:ALA:HB2	19	0.49	0.22	0.45
(1,3387)	1:17:A:LEU:HD22	1:88:B:ALA:HB3	19	0.49	0.22	0.45
(1,3387)	1:17:A:LEU:HD23	1:88:B:ALA:HB1	19	0.49	0.22	0.45
(1,3387)	1:17:A:LEU:HD22	1:88:B:ALA:HB1	19	0.49	0.22	0.45
(1,3387)	1:17:A:LEU:HD22	1:88:B:ALA:HB2	19	0.49	0.22	0.45
(1,3387)	1:17:A:LEU:HD21	1:88:B:ALA:HB3	19	0.49	0.22	0.45

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3387)	1:17:A:LEU:HD21	1:88:B:ALA:HB1	19	0.49	0.22	0.45
(1,3387)	1:17:A:LEU:HD23	1:88:B:ALA:HB2	19	0.49	0.22	0.45
(1,3387)	1:17:A:LEU:HD23	1:88:B:ALA:HB3	19	0.49	0.22	0.45
(1,3388)	1:17:B:LEU:HD21	1:88:A:ALA:HB2	19	0.49	0.23	0.43
(1,3388)	1:17:B:LEU:HD22	1:88:A:ALA:HB3	19	0.49	0.23	0.43
(1,3388)	1:17:B:LEU:HD23	1:88:A:ALA:HB1	19	0.49	0.23	0.43
(1,3388)	1:17:B:LEU:HD22	1:88:A:ALA:HB1	19	0.49	0.23	0.43
(1,3388)	1:17:B:LEU:HD22	1:88:A:ALA:HB2	19	0.49	0.23	0.43
(1,3388)	1:17:B:LEU:HD21	1:88:A:ALA:HB3	19	0.49	0.23	0.43
(1,3388)	1:17:B:LEU:HD21	1:88:A:ALA:HB1	19	0.49	0.23	0.43
(1,3388)	1:17:B:LEU:HD23	1:88:A:ALA:HB2	19	0.49	0.23	0.43
(1,3388)	1:17:B:LEU:HD23	1:88:A:ALA:HB3	19	0.49	0.23	0.43
(1,5205)	1:44:A:ASN:H	1:60:A:LEU:HB2	19	0.45	0.2	0.4
(1,5205)	1:44:A:ASN:H	1:57:A:PRO:HB3	19	0.45	0.2	0.4
(1,5206)	1:44:B:ASN:H	1:60:B:LEU:HB2	19	0.45	0.2	0.41
(1,5206)	1:44:B:ASN:H	1:57:B:PRO:HB3	19	0.45	0.2	0.41
(1,4675)	1:89:A:MET:HG3	1:78:B:SER:HB3	19	0.43	0.09	0.45
(1,4675)	1:63:A:MET:HG3	1:63:A:MET:HA	19	0.43	0.09	0.45
(1,4675)	1:89:A:MET:HG3	1:78:B:SER:HB2	19	0.43	0.09	0.45
(2,124)	1:44:B:ASN:HB2	1:48:B:ALA:H	19	0.43	0.18	0.55
(2,123)	1:44:A:ASN:HB2	1:48:A:ALA:H	19	0.43	0.17	0.53
(1,4676)	1:89:B:MET:HG3	1:78:A:SER:HB3	19	0.43	0.09	0.45
(1,4676)	1:63:B:MET:HG3	1:63:B:MET:HA	19	0.43	0.09	0.45
(1,4676)	1:89:B:MET:HG3	1:78:A:SER:HB2	19	0.43	0.09	0.45
(1,3846)	1:8:B:THR:HA	1:12:B:ARG:HG2	19	0.43	0.15	0.48
(1,3846)	1:92:B:HIS:HA	1:18:A:ILE:HB	19	0.43	0.15	0.48
(1,3845)	1:8:A:THR:HA	1:12:A:ARG:HG2	19	0.43	0.15	0.48
(1,3845)	1:92:A:HIS:HA	1:18:B:ILE:HB	19	0.43	0.15	0.48
(1,5029)	1:65:A:LYS:HG2	1:65:A:LYS:HA	19	0.43	0.12	0.44
(1,5029)	1:62:A:ARG:HG3	1:62:A:ARG:HA	19	0.43	0.12	0.44
(1,5030)	1:65:B:LYS:HG2	1:65:B:LYS:HA	19	0.43	0.12	0.43
(1,5030)	1:62:B:ARG:HG3	1:62:B:ARG:HA	19	0.43	0.12	0.43
(1,5283)	1:98:A:ALA:H	1:96:A:LEU:HD22	19	0.41	0.19	0.47
(1,5283)	1:98:A:ALA:H	1:96:A:LEU:HD23	19	0.41	0.19	0.47
(1,5283)	1:98:A:ALA:H	1:96:A:LEU:HD21	19	0.41	0.19	0.47
(1,5283)	1:98:A:ALA:H	1:96:A:LEU:HD12	19	0.41	0.19	0.47
(1,5284)	1:98:B:ALA:H	1:96:B:LEU:HD22	19	0.41	0.19	0.48
(1,5284)	1:98:B:ALA:H	1:96:B:LEU:HD23	19	0.41	0.19	0.48
(1,5284)	1:98:B:ALA:H	1:96:B:LEU:HD21	19	0.41	0.19	0.48
(1,5284)	1:98:B:ALA:H	1:96:B:LEU:HD12	19	0.41	0.19	0.48
(1,1454)	1:48:B:ALA:HA	1:51:B:THR:HG21	19	0.37	0.14	0.4
(1,1454)	1:48:B:ALA:HA	1:51:B:THR:HG23	19	0.37	0.14	0.4

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1454)	1:48:B:ALA:HA	1:51:B:THR:HG22	19	0.37	0.14	0.4
(1,1453)	1:48:A:ALA:HA	1:51:A:THR:HG21	19	0.36	0.14	0.4
(1,1453)	1:48:A:ALA:HA	1:51:A:THR:HG23	19	0.36	0.14	0.4
(1,1453)	1:48:A:ALA:HA	1:51:A:THR:HG22	19	0.36	0.14	0.4
(1,1221)	1:89:A:MET:HG2	1:88:A:ALA:HB3	19	0.36	0.05	0.35
(1,1221)	1:89:A:MET:HG2	1:88:A:ALA:HB1	19	0.36	0.05	0.35
(1,1221)	1:89:A:MET:HG2	1:88:A:ALA:HB2	19	0.36	0.05	0.35
(1,1222)	1:89:B:MET:HG2	1:88:B:ALA:HB3	19	0.36	0.05	0.35
(1,1222)	1:89:B:MET:HG2	1:88:B:ALA:HB1	19	0.36	0.05	0.35
(1,1222)	1:89:B:MET:HG2	1:88:B:ALA:HB2	19	0.36	0.05	0.35
(1,4704)	1:67:B:LEU:H	1:67:B:LEU:HD22	19	0.34	0.07	0.37
(1,4704)	1:67:B:LEU:H	1:67:B:LEU:HD21	19	0.34	0.07	0.37
(1,4704)	1:67:B:LEU:H	1:67:B:LEU:HD23	19	0.34	0.07	0.37
(1,4703)	1:67:A:LEU:H	1:67:A:LEU:HD22	19	0.34	0.07	0.37
(1,4703)	1:67:A:LEU:H	1:67:A:LEU:HD21	19	0.34	0.07	0.37
(1,4703)	1:67:A:LEU:H	1:67:A:LEU:HD23	19	0.34	0.07	0.37
(1,3834)	1:17:B:LEU:HD11	1:14:B:ILE:H	19	0.34	0.1	0.35
(1,3834)	1:17:B:LEU:HD13	1:14:B:ILE:H	19	0.34	0.1	0.35
(1,3834)	1:17:B:LEU:HD12	1:14:B:ILE:H	19	0.34	0.1	0.35
(1,3833)	1:17:A:LEU:HD11	1:14:A:ILE:H	19	0.34	0.1	0.35
(1,3833)	1:17:A:LEU:HD13	1:14:A:ILE:H	19	0.34	0.1	0.35
(1,3833)	1:17:A:LEU:HD12	1:14:A:ILE:H	19	0.34	0.1	0.35
(1,4162)	1:22:B:GLN:HA	1:26:B:GLY:HA3	19	0.31	0.12	0.29
(1,4162)	1:22:B:GLN:HA	1:23:B:LYS:HA	19	0.31	0.12	0.29
(1,4161)	1:22:A:GLN:HA	1:26:A:GLY:HA3	19	0.31	0.12	0.29
(1,4161)	1:22:A:GLN:HA	1:23:A:LYS:HA	19	0.31	0.12	0.29
(1,4855)	1:25:A:ALA:HA	1:34:A:LEU:HD21	19	0.31	0.09	0.28
(1,4855)	1:25:A:ALA:HA	1:34:A:LEU:HD23	19	0.31	0.09	0.28
(1,4855)	1:25:A:ALA:HA	1:34:A:LEU:HD22	19	0.31	0.09	0.28
(1,4856)	1:25:B:ALA:HA	1:34:B:LEU:HD21	19	0.3	0.09	0.28
(1,4856)	1:25:B:ALA:HA	1:34:B:LEU:HD23	19	0.3	0.09	0.28
(1,4856)	1:25:B:ALA:HA	1:34:B:LEU:HD22	19	0.3	0.09	0.28
(1,4183)	1:13:A:CYS:HA	1:17:A:LEU:HG	19	0.29	0.06	0.29
(1,4184)	1:13:B:CYS:HA	1:17:B:LEU:HG	19	0.29	0.06	0.28
(1,4440)	1:49:B:ALA:HB1	1:50:B:PHE:HB2	19	0.28	0.09	0.27
(1,4440)	1:49:B:ALA:HB2	1:50:B:PHE:HB2	19	0.28	0.09	0.27
(1,4440)	1:49:B:ALA:HB3	1:50:B:PHE:HB2	19	0.28	0.09	0.27
(1,4439)	1:49:A:ALA:HB1	1:50:A:PHE:HB2	19	0.28	0.09	0.27
(1,4439)	1:49:A:ALA:HB2	1:50:A:PHE:HB2	19	0.28	0.09	0.27
(1,4439)	1:49:A:ALA:HB3	1:50:A:PHE:HB2	19	0.28	0.09	0.27
(1,647)	1:14:A:ILE:HB	1:88:B:ALA:HB1	19	0.26	0.07	0.26
(1,647)	1:14:A:ILE:HB	1:88:B:ALA:HB2	19	0.26	0.07	0.26

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,647)	1:14:A:ILE:HB	1:88:B:ALA:HB3	19	0.26	0.07	0.26
(1,648)	1:14:B:ILE:HB	1:88:A:ALA:HB1	19	0.26	0.07	0.26
(1,648)	1:14:B:ILE:HB	1:88:A:ALA:HB2	19	0.26	0.07	0.26
(1,648)	1:14:B:ILE:HB	1:88:A:ALA:HB3	19	0.26	0.07	0.26
(1,4262)	1:63:B:MET:HG2	1:59:B:VAL:HA	19	0.23	0.08	0.25
(1,4261)	1:63:A:MET:HG2	1:59:A:VAL:HA	19	0.23	0.08	0.25
(1,1623)	1:67:A:LEU:H	1:67:A:LEU:HD13	19	0.18	0.06	0.16
(1,1623)	1:67:A:LEU:H	1:67:A:LEU:HD11	19	0.18	0.06	0.16
(1,1623)	1:67:A:LEU:H	1:67:A:LEU:HD12	19	0.18	0.06	0.16
(1,685)	1:84:A:ILE:HB	1:83:A:LEU:HG	19	0.16	0.04	0.16
(1,686)	1:84:B:ILE:HB	1:83:B:LEU:HG	19	0.16	0.04	0.16
(1,987)	1:87:A:LEU:HB2	1:86:A:GLY:H	19	0.14	0.02	0.14
(1,988)	1:87:B:LEU:HB2	1:86:B:GLY:H	19	0.13	0.02	0.13
(1,1328)	1:34:B:LEU:HB2	1:39:B:PHE:HB3	18	1.67	1.12	2.4
(1,1327)	1:34:A:LEU:HB2	1:39:A:PHE:HB3	18	1.67	1.12	2.4
(1,4311)	1:68:A:ASP:HB2	1:64:A:MET:HB2	18	1.36	0.34	1.37
(1,4311)	1:21:A:PHE:HB2	1:22:A:GLN:HB2	18	1.36	0.34	1.37
(1,4312)	1:68:B:ASP:HB2	1:64:B:MET:HB2	18	1.36	0.34	1.36
(1,4312)	1:21:B:PHE:HB2	1:22:B:GLN:HB2	18	1.36	0.34	1.36
(1,5215)	1:34:A:LEU:H	1:21:A:PHE:HB3	18	1.29	0.44	1.26
(1,5215)	1:34:A:LEU:H	1:77:A:PHE:HB2	18	1.29	0.44	1.26
(1,5216)	1:34:B:LEU:H	1:21:B:PHE:HB3	18	1.29	0.44	1.26
(1,5216)	1:34:B:LEU:H	1:77:B:PHE:HB2	18	1.29	0.44	1.26
(1,994)	1:21:B:PHE:HB2	1:22:B:GLN:HA	18	1.23	0.25	1.27
(1,993)	1:21:A:PHE:HB2	1:22:A:GLN:HA	18	1.23	0.25	1.27
(1,286)	1:75:B:LEU:HB3	1:39:B:PHE:HB3	18	1.13	0.76	1.61
(1,285)	1:75:A:LEU:HB3	1:39:A:PHE:HB3	18	1.13	0.76	1.61
(1,3562)	1:76:B:ASP:HA	1:75:B:LEU:HD21	18	0.89	0.22	0.94
(1,3562)	1:76:B:ASP:HA	1:34:B:LEU:HD12	18	0.89	0.22	0.94
(1,3562)	1:76:B:ASP:HA	1:34:B:LEU:HD13	18	0.89	0.22	0.94
(1,3562)	1:76:B:ASP:HA	1:34:B:LEU:HD11	18	0.89	0.22	0.94
(1,3562)	1:76:B:ASP:HA	1:75:B:LEU:HD23	18	0.89	0.22	0.94
(1,3562)	1:76:B:ASP:HA	1:75:B:LEU:HD22	18	0.89	0.22	0.94
(1,3561)	1:76:A:ASP:HA	1:75:A:LEU:HD21	18	0.89	0.22	0.94
(1,3561)	1:76:A:ASP:HA	1:34:A:LEU:HD12	18	0.89	0.22	0.94
(1,3561)	1:76:A:ASP:HA	1:34:A:LEU:HD13	18	0.89	0.22	0.94
(1,3561)	1:76:A:ASP:HA	1:34:A:LEU:HD11	18	0.89	0.22	0.94
(1,3561)	1:76:A:ASP:HA	1:75:A:LEU:HD23	18	0.89	0.22	0.94
(1,3561)	1:76:A:ASP:HA	1:75:A:LEU:HD22	18	0.89	0.22	0.94
(1,3655)	1:48:A:ALA:HB2	1:46:A:GLU:HG2	18	0.87	0.21	0.92
(1,3655)	1:48:A:ALA:HB3	1:46:A:GLU:HG2	18	0.87	0.21	0.92
(1,3655)	1:48:A:ALA:HB1	1:11:B:GLU:HG3	18	0.87	0.21	0.92

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3655)	1:48:A:ALA:HB1	1:46:A:GLU:HG2	18	0.87	0.21	0.92
(1,3655)	1:48:A:ALA:HB3	1:11:B:GLU:HG3	18	0.87	0.21	0.92
(1,3655)	1:48:A:ALA:HB2	1:11:B:GLU:HG3	18	0.87	0.21	0.92
(1,3656)	1:48:B:ALA:HB2	1:46:B:GLU:HG2	18	0.86	0.21	0.93
(1,3656)	1:48:B:ALA:HB3	1:46:B:GLU:HG2	18	0.86	0.21	0.93
(1,3656)	1:48:B:ALA:HB1	1:11:A:GLU:HG3	18	0.86	0.21	0.93
(1,3656)	1:48:B:ALA:HB1	1:46:B:GLU:HG2	18	0.86	0.21	0.93
(1,3656)	1:48:B:ALA:HB3	1:11:A:GLU:HG3	18	0.86	0.21	0.93
(1,3656)	1:48:B:ALA:HB2	1:11:A:GLU:HG3	18	0.86	0.21	0.93
(1,3771)	1:96:A:LEU:HD21	1:93:A:ASP:HB2	18	0.86	0.24	0.89
(1,3771)	1:75:A:LEU:HD23	1:70:A:ASN:HB3	18	0.86	0.24	0.89
(1,3771)	1:75:A:LEU:HD22	1:82:A:ASN:HB3	18	0.86	0.24	0.89
(1,3771)	1:75:A:LEU:HD21	1:70:A:ASN:HB3	18	0.86	0.24	0.89
(1,3771)	1:96:A:LEU:HD22	1:93:A:ASP:HB2	18	0.86	0.24	0.89
(1,3771)	1:75:A:LEU:HD22	1:70:A:ASN:HB3	18	0.86	0.24	0.89
(1,3771)	1:96:A:LEU:HD23	1:93:A:ASP:HB2	18	0.86	0.24	0.89
(1,3771)	1:75:A:LEU:HD21	1:82:A:ASN:HB3	18	0.86	0.24	0.89
(1,3772)	1:96:B:LEU:HD21	1:93:B:ASP:HB2	18	0.86	0.23	0.88
(1,3772)	1:75:B:LEU:HD23	1:70:B:ASN:HB3	18	0.86	0.23	0.88
(1,3772)	1:75:B:LEU:HD22	1:82:B:ASN:HB3	18	0.86	0.23	0.88
(1,3772)	1:75:B:LEU:HD21	1:70:B:ASN:HB3	18	0.86	0.23	0.88
(1,3772)	1:96:B:LEU:HD22	1:93:B:ASP:HB2	18	0.86	0.23	0.88
(1,3772)	1:75:B:LEU:HD22	1:70:B:ASN:HB3	18	0.86	0.23	0.88
(1,3772)	1:96:B:LEU:HD23	1:93:B:ASP:HB2	18	0.86	0.23	0.88
(1,3772)	1:75:B:LEU:HD21	1:82:B:ASN:HB3	18	0.86	0.23	0.88
(1,4569)	1:53:A:ASN:H	1:52:A:LYS:HG2	18	0.85	0.05	0.86
(1,4569)	1:97:A:LYS:HG2	1:98:A:ALA:H	18	0.85	0.05	0.86
(1,4569)	1:66:A:LYS:H	1:66:A:LYS:HG2	18	0.85	0.05	0.86
(1,4570)	1:53:B:ASN:H	1:52:B:LYS:HG2	18	0.85	0.05	0.86
(1,4570)	1:97:B:LYS:HG2	1:98:B:ALA:H	18	0.85	0.05	0.86
(1,4570)	1:66:B:LYS:H	1:66:B:LYS:HG2	18	0.85	0.05	0.86
(1,3359)	1:19:A:ALA:HB1	1:9:B:GLU:HA	18	0.82	0.32	0.98
(1,3359)	1:19:A:ALA:HB3	1:9:B:GLU:HA	18	0.82	0.32	0.98
(1,3359)	1:19:A:ALA:HB2	1:9:B:GLU:HA	18	0.82	0.32	0.98
(1,3360)	1:19:B:ALA:HB1	1:9:A:GLU:HA	18	0.82	0.32	0.97
(1,3360)	1:19:B:ALA:HB3	1:9:A:GLU:HA	18	0.82	0.32	0.97
(1,3360)	1:19:B:ALA:HB2	1:9:A:GLU:HA	18	0.82	0.32	0.97
(1,3361)	1:19:A:ALA:HB1	1:9:B:GLU:HA	18	0.81	0.31	0.98
(1,3361)	1:19:A:ALA:HB3	1:9:B:GLU:HA	18	0.81	0.31	0.98
(1,3361)	1:19:A:ALA:HB2	1:10:B:THR:HB	18	0.81	0.31	0.98
(1,3361)	1:19:A:ALA:HB3	1:10:B:THR:HB	18	0.81	0.31	0.98
(1,3361)	1:19:A:ALA:HB2	1:9:B:GLU:HA	18	0.81	0.31	0.98

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3362)	1:19:B:ALA:HB1	1:9:A:GLU:HA	18	0.8	0.31	0.97
(1,3362)	1:19:B:ALA:HB3	1:9:A:GLU:HA	18	0.8	0.31	0.97
(1,3362)	1:19:B:ALA:HB2	1:10:A:THR:HB	18	0.8	0.31	0.97
(1,3362)	1:19:B:ALA:HB3	1:10:A:THR:HB	18	0.8	0.31	0.97
(1,3362)	1:19:B:ALA:HB2	1:9:A:GLU:HA	18	0.8	0.31	0.97
(1,4459)	1:20:A:VAL:HG21	1:81:A:LEU:HD21	18	0.75	0.71	0.47
(1,4459)	1:20:A:VAL:HG21	1:81:A:LEU:HD23	18	0.75	0.71	0.47
(1,4459)	1:20:A:VAL:HG23	1:81:A:LEU:HD22	18	0.75	0.71	0.47
(1,4459)	1:20:A:VAL:HG23	1:81:A:LEU:HD21	18	0.75	0.71	0.47
(1,4459)	1:20:A:VAL:HG22	1:81:A:LEU:HD21	18	0.75	0.71	0.47
(1,4459)	1:20:A:VAL:HG23	1:81:A:LEU:HD23	18	0.75	0.71	0.47
(1,3481)	1:69:A:THR:HB	1:67:A:LEU:HD22	18	0.69	0.07	0.67
(1,3481)	1:69:A:THR:HB	1:67:A:LEU:HD21	18	0.69	0.07	0.67
(1,3481)	1:69:A:THR:HB	1:67:A:LEU:HD23	18	0.69	0.07	0.67
(1,3482)	1:69:B:THR:HB	1:67:B:LEU:HD22	18	0.68	0.07	0.67
(1,3482)	1:69:B:THR:HB	1:67:B:LEU:HD21	18	0.68	0.07	0.67
(1,3482)	1:69:B:THR:HB	1:67:B:LEU:HD23	18	0.68	0.07	0.67
(1,1767)	1:20:A:VAL:HG13	1:24:A:TYR:H	18	0.68	0.26	0.8
(1,1767)	1:20:A:VAL:HG12	1:24:A:TYR:H	18	0.68	0.26	0.8
(1,1767)	1:20:A:VAL:HG11	1:24:A:TYR:H	18	0.68	0.26	0.8
(1,1768)	1:20:B:VAL:HG13	1:24:B:TYR:H	18	0.68	0.26	0.8
(1,1768)	1:20:B:VAL:HG12	1:24:B:TYR:H	18	0.68	0.26	0.8
(1,1768)	1:20:B:VAL:HG11	1:24:B:TYR:H	18	0.68	0.26	0.8
(1,883)	1:34:A:LEU:HB3	1:80:A:PHE:HB2	18	0.57	0.28	0.56
(1,884)	1:34:B:LEU:HB3	1:80:B:PHE:HB2	18	0.57	0.28	0.56
(1,4270)	1:25:B:ALA:HB1	1:24:B:TYR:HB2	18	0.56	0.21	0.55
(1,4270)	1:25:B:ALA:HB2	1:24:B:TYR:HB2	18	0.56	0.21	0.55
(1,4270)	1:25:B:ALA:HB3	1:24:B:TYR:HB2	18	0.56	0.21	0.55
(1,4269)	1:25:A:ALA:HB1	1:24:A:TYR:HB2	18	0.56	0.21	0.55
(1,4269)	1:25:A:ALA:HB2	1:24:A:TYR:HB2	18	0.56	0.21	0.55
(1,4269)	1:25:A:ALA:HB3	1:24:A:TYR:HB2	18	0.56	0.21	0.55
(1,4604)	1:47:B:LEU:HD12	1:42:B:PHE:HA	18	0.54	0.26	0.46
(1,4604)	1:47:B:LEU:HD13	1:42:B:PHE:HA	18	0.54	0.26	0.46
(1,4604)	1:47:B:LEU:HD11	1:42:B:PHE:HA	18	0.54	0.26	0.46
(1,4603)	1:47:A:LEU:HD12	1:42:A:PHE:HA	18	0.54	0.26	0.46
(1,4603)	1:47:A:LEU:HD13	1:42:A:PHE:HA	18	0.54	0.26	0.46
(1,4603)	1:47:A:LEU:HD11	1:42:A:PHE:HA	18	0.54	0.26	0.46
(1,4013)	1:98:A:ALA:H	1:97:A:LYS:HD2	18	0.52	0.21	0.5
(1,4013)	1:66:A:LYS:H	1:66:A:LYS:HD3	18	0.52	0.21	0.5
(1,4013)	1:66:A:LYS:H	1:66:A:LYS:HD2	18	0.52	0.21	0.5
(1,4014)	1:98:B:ALA:H	1:97:B:LYS:HD2	18	0.52	0.21	0.51
(1,4014)	1:66:B:LYS:H	1:66:B:LYS:HD3	18	0.52	0.21	0.51

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4014)	1:66:B:LYS:H	1:66:B:LYS:HD2	18	0.52	0.21	0.51
(1,3625)	1:34:A:LEU:HA	1:24:A:TYR:HB2	18	0.51	0.2	0.46
(1,3626)	1:34:B:LEU:HA	1:24:B:TYR:HB2	18	0.51	0.2	0.46
(1,475)	1:67:A:LEU:HB3	1:75:A:LEU:HB2	18	0.51	0.16	0.5
(1,476)	1:67:B:LEU:HB3	1:75:B:LEU:HB2	18	0.51	0.16	0.5
(1,1939)	1:96:A:LEU:HB2	1:96:A:LEU:HD11	18	0.48	0.02	0.48
(1,1939)	1:96:A:LEU:HB2	1:96:A:LEU:HD12	18	0.48	0.02	0.48
(1,1939)	1:96:A:LEU:HB2	1:96:A:LEU:HD13	18	0.48	0.02	0.48
(1,1940)	1:96:B:LEU:HB2	1:96:B:LEU:HD11	18	0.48	0.02	0.48
(1,1940)	1:96:B:LEU:HB2	1:96:B:LEU:HD12	18	0.48	0.02	0.48
(1,1940)	1:96:B:LEU:HB2	1:96:B:LEU:HD13	18	0.48	0.02	0.48
(1,3930)	1:74:B:GLN:HA	1:34:B:LEU:HB3	18	0.48	0.17	0.44
(1,1927)	1:96:A:LEU:HB2	1:96:A:LEU:HD11	18	0.48	0.02	0.48
(1,1927)	1:96:A:LEU:HB2	1:96:A:LEU:HD12	18	0.48	0.02	0.48
(1,1927)	1:96:A:LEU:HB2	1:96:A:LEU:HD13	18	0.48	0.02	0.48
(1,1928)	1:96:B:LEU:HB2	1:96:B:LEU:HD11	18	0.48	0.02	0.48
(1,1928)	1:96:B:LEU:HB2	1:96:B:LEU:HD12	18	0.48	0.02	0.48
(1,1928)	1:96:B:LEU:HB2	1:96:B:LEU:HD13	18	0.48	0.02	0.48
(1,3929)	1:74:A:GLN:HA	1:34:A:LEU:HB3	18	0.48	0.17	0.44
(1,3800)	1:47:B:LEU:HA	1:87:B:LEU:HD22	18	0.4	0.18	0.4
(1,3800)	1:47:B:LEU:HA	1:87:B:LEU:HD13	18	0.4	0.18	0.4
(1,3800)	1:47:B:LEU:HA	1:87:B:LEU:HD21	18	0.4	0.18	0.4
(1,3800)	1:47:B:LEU:HA	1:87:B:LEU:HD23	18	0.4	0.18	0.4
(1,3800)	1:47:B:LEU:HA	1:87:B:LEU:HD12	18	0.4	0.18	0.4
(1,3800)	1:47:B:LEU:HA	1:87:B:LEU:HD11	18	0.4	0.18	0.4
(1,3799)	1:47:A:LEU:HA	1:87:A:LEU:HD22	18	0.4	0.18	0.4
(1,3799)	1:47:A:LEU:HA	1:87:A:LEU:HD13	18	0.4	0.18	0.4
(1,3799)	1:47:A:LEU:HA	1:87:A:LEU:HD21	18	0.4	0.18	0.4
(1,3799)	1:47:A:LEU:HA	1:87:A:LEU:HD23	18	0.4	0.18	0.4
(1,3799)	1:47:A:LEU:HA	1:87:A:LEU:HD12	18	0.4	0.18	0.4
(1,3799)	1:47:A:LEU:HA	1:87:A:LEU:HD11	18	0.4	0.18	0.4
(1,5743)	1:16:A:SER:H	1:15:A:GLU:HA	18	0.39	0.02	0.39
(1,5743)	1:28:A:ASP:H	1:27:A:LYS:HA	18	0.39	0.02	0.39
(1,5744)	1:16:B:SER:H	1:15:B:GLU:HA	18	0.39	0.02	0.39
(1,5744)	1:28:B:ASP:H	1:27:B:LYS:HA	18	0.39	0.02	0.39
(1,220)	1:75:B:LEU:HD13	1:68:B:ASP:HA	18	0.38	0.13	0.37
(1,220)	1:75:B:LEU:HD11	1:68:B:ASP:HA	18	0.38	0.13	0.37
(1,220)	1:75:B:LEU:HD12	1:68:B:ASP:HA	18	0.38	0.13	0.37
(1,219)	1:75:A:LEU:HD13	1:68:A:ASP:HA	18	0.37	0.13	0.37
(1,219)	1:75:A:LEU:HD11	1:68:A:ASP:HA	18	0.37	0.13	0.37
(1,219)	1:75:A:LEU:HD12	1:68:A:ASP:HA	18	0.37	0.13	0.37
(1,941)	1:18:A:ILE:HG22	1:15:A:GLU:HB3	18	0.36	0.06	0.36

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,941)	1:18:A:ILE:HG23	1:15:A:GLU:HB3	18	0.36	0.06	0.36
(1,941)	1:18:A:ILE:HG21	1:15:A:GLU:HB3	18	0.36	0.06	0.36
(1,942)	1:18:B:ILE:HG22	1:15:B:GLU:HB3	18	0.36	0.06	0.36
(1,942)	1:18:B:ILE:HG23	1:15:B:GLU:HB3	18	0.36	0.06	0.36
(1,942)	1:18:B:ILE:HG21	1:15:B:GLU:HB3	18	0.36	0.06	0.36
(1,836)	1:59:B:VAL:HG21	1:62:B:ARG:H	18	0.36	0.12	0.38
(1,836)	1:59:B:VAL:HG23	1:62:B:ARG:H	18	0.36	0.12	0.38
(1,836)	1:59:B:VAL:HG22	1:62:B:ARG:H	18	0.36	0.12	0.38
(1,835)	1:59:A:VAL:HG21	1:62:A:ARG:H	18	0.36	0.12	0.38
(1,835)	1:59:A:VAL:HG23	1:62:A:ARG:H	18	0.36	0.12	0.38
(1,835)	1:59:A:VAL:HG22	1:62:A:ARG:H	18	0.36	0.12	0.38
(1,5355)	1:19:A:ALA:H	1:9:B:GLU:HG2	18	0.33	0.08	0.34
(1,5355)	1:19:A:ALA:H	1:17:A:LEU:HB2	18	0.33	0.08	0.34
(1,5356)	1:19:B:ALA:H	1:9:A:GLU:HG2	18	0.33	0.08	0.34
(1,5356)	1:19:B:ALA:H	1:17:B:LEU:HB2	18	0.33	0.08	0.34
(1,3889)	1:17:A:LEU:HB2	1:18:A:ILE:HB	18	0.33	0.09	0.34
(1,3889)	1:17:A:LEU:HB2	1:14:A:ILE:HG12	18	0.33	0.09	0.34
(1,3890)	1:17:B:LEU:HB2	1:18:B:ILE:HB	18	0.33	0.09	0.34
(1,3890)	1:17:B:LEU:HB2	1:14:B:ILE:HG12	18	0.33	0.09	0.34
(1,3654)	1:8:B:THR:HB	1:10:B:THR:HA	18	0.32	0.1	0.32
(1,3842)	1:89:B:MET:HG3	1:86:B:GLY:H	18	0.31	0.13	0.27
(1,3842)	1:63:B:MET:HG3	1:61:B:ASP:H	18	0.31	0.13	0.27
(1,3841)	1:89:A:MET:HG3	1:86:A:GLY:H	18	0.31	0.13	0.27
(1,3841)	1:63:A:MET:HG3	1:61:A:ASP:H	18	0.31	0.13	0.27
(1,3652)	1:47:B:LEU:HD22	1:10:A:THR:H	18	0.31	0.15	0.28
(1,3652)	1:47:B:LEU:HD21	1:10:A:THR:H	18	0.31	0.15	0.28
(1,3652)	1:47:B:LEU:HD23	1:10:A:THR:H	18	0.31	0.15	0.28
(1,3651)	1:47:A:LEU:HD22	1:10:B:THR:H	18	0.31	0.15	0.28
(1,3651)	1:47:A:LEU:HD21	1:10:B:THR:H	18	0.31	0.15	0.28
(1,3651)	1:47:A:LEU:HD23	1:10:B:THR:H	18	0.31	0.15	0.28
(1,2723)	1:78:A:SER:H	1:81:A:LEU:HD11	18	0.3	0.12	0.32
(1,2723)	1:78:A:SER:H	1:81:A:LEU:HD13	18	0.3	0.12	0.32
(1,2723)	1:78:A:SER:H	1:81:A:LEU:HD12	18	0.3	0.12	0.32
(1,2724)	1:78:B:SER:H	1:81:B:LEU:HD11	18	0.3	0.12	0.32
(1,2724)	1:78:B:SER:H	1:81:B:LEU:HD13	18	0.3	0.12	0.32
(1,2724)	1:78:B:SER:H	1:81:B:LEU:HD12	18	0.3	0.12	0.32
(1,3169)	1:23:A:LYS:H	1:23:A:LYS:HD3	18	0.27	0.08	0.28
(1,3169)	1:23:A:LYS:H	1:23:A:LYS:HD2	18	0.27	0.08	0.28
(1,3170)	1:23:B:LYS:H	1:23:B:LYS:HD3	18	0.27	0.08	0.27
(1,3170)	1:23:B:LYS:H	1:23:B:LYS:HD2	18	0.27	0.08	0.27
(1,3711)	1:83:A:LEU:HB2	1:87:A:LEU:HD13	18	0.23	0.06	0.22
(1,3711)	1:83:A:LEU:HB2	1:87:A:LEU:HD12	18	0.23	0.06	0.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3711)	1:83:A:LEU:HB2	1:87:A:LEU:HD11	18	0.23	0.06	0.22
(1,3712)	1:83:B:LEU:HB2	1:87:B:LEU:HD13	18	0.23	0.06	0.22
(1,3712)	1:83:B:LEU:HB2	1:87:B:LEU:HD12	18	0.23	0.06	0.22
(1,3712)	1:83:B:LEU:HB2	1:87:B:LEU:HD11	18	0.23	0.06	0.22
(1,3886)	1:100:B:PRO:HG3	1:96:B:LEU:HG	18	0.22	0.03	0.21
(1,3885)	1:100:A:PRO:HG3	1:96:A:LEU:HG	18	0.22	0.03	0.22
(1,1631)	1:60:A:LEU:H	1:59:A:VAL:HG21	18	0.16	0.05	0.15
(1,1631)	1:60:A:LEU:H	1:59:A:VAL:HG23	18	0.16	0.05	0.15
(1,1631)	1:60:A:LEU:H	1:59:A:VAL:HG22	18	0.16	0.05	0.15
(1,1632)	1:60:B:LEU:H	1:59:B:VAL:HG21	18	0.16	0.05	0.15
(1,1632)	1:60:B:LEU:H	1:59:B:VAL:HG23	18	0.16	0.05	0.15
(1,1632)	1:60:B:LEU:H	1:59:B:VAL:HG22	18	0.16	0.05	0.15
(2,129)	1:89:A:MET:HG2	1:93:A:ASP:HB3	17	1.11	0.27	1.18
(2,143)	1:89:A:MET:HG2	1:93:A:ASP:HB3	17	1.11	0.27	1.18
(2,147)	1:89:A:MET:HG2	1:93:A:ASP:HB3	17	1.11	0.27	1.18
(2,130)	1:89:B:MET:HG2	1:93:B:ASP:HB3	17	1.11	0.27	1.18
(2,144)	1:89:B:MET:HG2	1:93:B:ASP:HB3	17	1.11	0.27	1.18
(2,148)	1:89:B:MET:HG2	1:93:B:ASP:HB3	17	1.11	0.27	1.18
(1,3801)	1:21:A:PHE:HB2	1:22:A:GLN:HA	17	0.83	0.05	0.83
(1,3801)	1:40:A:LEU:HA	1:36:A:LYS:HE2	17	0.83	0.05	0.83
(1,3802)	1:21:B:PHE:HB2	1:22:B:GLN:HA	17	0.83	0.05	0.83
(1,3802)	1:40:B:LEU:HA	1:36:B:LYS:HE2	17	0.83	0.05	0.83
(1,3935)	1:82:A:ASN:HB3	1:83:A:LEU:HB3	17	0.75	0.32	0.89
(1,3935)	1:82:A:ASN:HB3	1:66:A:LYS:HD2	17	0.75	0.32	0.89
(1,3936)	1:82:B:ASN:HB3	1:83:B:LEU:HB3	17	0.74	0.32	0.88
(1,3936)	1:82:B:ASN:HB3	1:66:B:LYS:HD2	17	0.74	0.32	0.88
(1,4066)	1:44:B:ASN:HB3	1:60:B:LEU:HD13	17	0.72	0.21	0.81
(1,4066)	1:44:B:ASN:HB3	1:60:B:LEU:HD11	17	0.72	0.21	0.81
(1,4066)	1:44:B:ASN:HB3	1:60:B:LEU:HD12	17	0.72	0.21	0.81
(1,4065)	1:44:A:ASN:HB3	1:60:A:LEU:HD13	17	0.72	0.21	0.81
(1,4065)	1:44:A:ASN:HB3	1:60:A:LEU:HD11	17	0.72	0.21	0.81
(1,4065)	1:44:A:ASN:HB3	1:60:A:LEU:HD12	17	0.72	0.21	0.81
(1,5201)	1:40:A:LEU:H	1:64:A:MET:HG2	17	0.59	0.25	0.65
(1,5201)	1:40:A:LEU:H	1:64:A:MET:HG3	17	0.59	0.25	0.65
(1,1029)	1:38:A:GLU:HB3	1:24:A:TYR:HB2	17	0.59	0.28	0.61
(1,1030)	1:38:B:GLU:HB3	1:24:B:TYR:HB2	17	0.59	0.28	0.61
(1,5202)	1:40:B:LEU:H	1:64:B:MET:HG2	17	0.59	0.25	0.65
(1,5202)	1:40:B:LEU:H	1:64:B:MET:HG3	17	0.59	0.25	0.65
(1,5295)	1:76:A:ASP:H	1:33:A:THR:HB	17	0.57	0.15	0.59
(1,5295)	1:76:A:ASP:H	1:80:A:PHE:HA	17	0.57	0.15	0.59
(1,5295)	1:76:A:ASP:H	1:78:A:SER:HB3	17	0.57	0.15	0.59
(1,5295)	1:76:A:ASP:H	1:78:A:SER:HB2	17	0.57	0.15	0.59

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,5296)	1:76:B:ASP:H	1:33:B:THR:HB	17	0.57	0.15	0.6
(1,5296)	1:76:B:ASP:H	1:80:B:PHE:HA	17	0.57	0.15	0.6
(1,5296)	1:76:B:ASP:H	1:78:B:SER:HB3	17	0.57	0.15	0.6
(1,5296)	1:76:B:ASP:H	1:78:B:SER:HB2	17	0.57	0.15	0.6
(1,3683)	1:66:A:LYS:HB3	1:64:A:MET:HA	17	0.51	0.1	0.54
(1,3683)	1:73:A:GLY:HA3	1:74:A:GLN:HB2	17	0.51	0.1	0.54
(1,3684)	1:66:B:LYS:HB3	1:64:B:MET:HA	17	0.51	0.1	0.53
(1,3684)	1:73:B:GLY:HA3	1:74:B:GLN:HB2	17	0.51	0.1	0.53
(1,3379)	1:20:A:VAL:HG13	1:12:B:ARG:HG3	17	0.51	0.42	0.36
(1,3379)	1:20:A:VAL:HG12	1:12:B:ARG:HG3	17	0.51	0.42	0.36
(1,3379)	1:20:A:VAL:HG11	1:12:B:ARG:HG3	17	0.51	0.42	0.36
(1,3380)	1:20:B:VAL:HG13	1:12:A:ARG:HG3	17	0.51	0.42	0.36
(1,3380)	1:20:B:VAL:HG12	1:12:A:ARG:HG3	17	0.51	0.42	0.36
(1,3380)	1:20:B:VAL:HG11	1:12:A:ARG:HG3	17	0.51	0.42	0.36
(1,4043)	1:57:A:PRO:HG2	1:61:A:ASP:HB2	17	0.44	0.23	0.38
(1,4043)	1:40:A:LEU:HG	1:61:A:ASP:HB2	17	0.44	0.23	0.38
(1,4044)	1:57:B:PRO:HG2	1:61:B:ASP:HB2	17	0.44	0.23	0.38
(1,4044)	1:40:B:LEU:HG	1:61:B:ASP:HB2	17	0.44	0.23	0.38
(1,4173)	1:67:A:LEU:HD21	1:64:A:MET:HA	17	0.4	0.13	0.4
(1,4173)	1:67:A:LEU:HD22	1:81:A:LEU:HA	17	0.4	0.13	0.4
(1,4173)	1:67:A:LEU:HD23	1:64:A:MET:HA	17	0.4	0.13	0.4
(1,4173)	1:67:A:LEU:HD22	1:64:A:MET:HA	17	0.4	0.13	0.4
(1,4173)	1:67:A:LEU:HD21	1:81:A:LEU:HA	17	0.4	0.13	0.4
(1,4173)	1:67:A:LEU:HD23	1:81:A:LEU:HA	17	0.4	0.13	0.4
(1,4174)	1:67:B:LEU:HD21	1:64:B:MET:HA	17	0.4	0.13	0.4
(1,4174)	1:67:B:LEU:HD22	1:81:B:LEU:HA	17	0.4	0.13	0.4
(1,4174)	1:67:B:LEU:HD23	1:64:B:MET:HA	17	0.4	0.13	0.4
(1,4174)	1:67:B:LEU:HD22	1:64:B:MET:HA	17	0.4	0.13	0.4
(1,4174)	1:67:B:LEU:HD21	1:81:B:LEU:HA	17	0.4	0.13	0.4
(1,4174)	1:67:B:LEU:HD23	1:81:B:LEU:HA	17	0.4	0.13	0.4
(1,3638)	1:34:B:LEU:HB3	1:24:B:TYR:HB3	17	0.4	0.18	0.33
(1,3637)	1:34:A:LEU:HB3	1:24:A:TYR:HB3	17	0.4	0.18	0.33
(1,4897)	1:88:A:ALA:HB1	1:17:B:LEU:HD11	17	0.38	0.16	0.4
(1,4897)	1:88:A:ALA:HB2	1:17:B:LEU:HD13	17	0.38	0.16	0.4
(1,4897)	1:88:A:ALA:HB3	1:17:B:LEU:HD12	17	0.38	0.16	0.4
(1,4897)	1:88:A:ALA:HB2	1:17:B:LEU:HD11	17	0.38	0.16	0.4
(1,4897)	1:88:A:ALA:HB2	1:17:B:LEU:HD12	17	0.38	0.16	0.4
(1,4897)	1:88:A:ALA:HB3	1:17:B:LEU:HD11	17	0.38	0.16	0.4
(1,4897)	1:88:A:ALA:HB3	1:17:B:LEU:HD13	17	0.38	0.16	0.4
(1,4898)	1:88:B:ALA:HB1	1:17:A:LEU:HD11	17	0.38	0.16	0.41
(1,4898)	1:88:B:ALA:HB2	1:17:A:LEU:HD13	17	0.38	0.16	0.41
(1,4898)	1:88:B:ALA:HB3	1:17:A:LEU:HD12	17	0.38	0.16	0.41

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4898)	1:88:B:ALA:HB2	1:17:A:LEU:HD11	17	0.38	0.16	0.41
(1,4898)	1:88:B:ALA:HB2	1:17:A:LEU:HD12	17	0.38	0.16	0.41
(1,4898)	1:88:B:ALA:HB3	1:17:A:LEU:HD11	17	0.38	0.16	0.41
(1,4898)	1:88:B:ALA:HB3	1:17:A:LEU:HD13	17	0.38	0.16	0.41
(1,4723)	1:17:A:LEU:HG	1:17:B:LEU:HG	17	0.38	0.12	0.37
(1,4723)	1:17:A:LEU:HG	1:15:A:GLU:HB2	17	0.38	0.12	0.37
(1,856)	1:9:B:GLU:HG2	1:17:A:LEU:HD23	17	0.38	0.15	0.41
(1,856)	1:9:B:GLU:HG3	1:17:A:LEU:HD21	17	0.38	0.15	0.41
(1,856)	1:9:B:GLU:HG3	1:17:A:LEU:HD22	17	0.38	0.15	0.41
(1,856)	1:9:B:GLU:HG3	1:17:A:LEU:HD23	17	0.38	0.15	0.41
(1,856)	1:9:B:GLU:HG2	1:17:A:LEU:HD22	17	0.38	0.15	0.41
(1,4724)	1:17:B:LEU:HG	1:17:A:LEU:HG	17	0.38	0.12	0.37
(1,4724)	1:17:B:LEU:HG	1:15:B:GLU:HB2	17	0.38	0.12	0.37
(1,3403)	1:9:A:GLU:HB3	1:16:B:SER:HB3	17	0.35	0.18	0.32
(1,3403)	1:9:A:GLU:HB3	1:20:B:VAL:HA	17	0.35	0.18	0.32
(1,3403)	1:9:A:GLU:HB2	1:16:B:SER:HB3	17	0.35	0.18	0.32
(1,3653)	1:8:A:THR:HB	1:10:A:THR:HA	17	0.34	0.08	0.32
(1,3751)	1:11:A:GLU:HB2	1:8:A:THR:HB	17	0.34	0.09	0.36
(1,3752)	1:11:B:GLU:HB2	1:8:B:THR:HB	17	0.34	0.09	0.36
(1,190)	1:46:B:GLU:HG3	1:24:B:TYR:H	17	0.34	0.13	0.36
(1,190)	1:46:B:GLU:HG2	1:24:B:TYR:H	17	0.34	0.13	0.36
(1,189)	1:46:A:GLU:HG3	1:24:A:TYR:H	17	0.33	0.12	0.36
(1,189)	1:46:A:GLU:HG2	1:24:A:TYR:H	17	0.33	0.12	0.36
(1,3740)	1:11:B:GLU:HB2	1:8:B:THR:HB	17	0.32	0.09	0.34
(1,3739)	1:11:A:GLU:HB2	1:8:A:THR:HB	17	0.32	0.08	0.33
(1,1857)	1:57:A:PRO:HD3	1:57:A:PRO:HA	17	0.26	0.13	0.24
(1,1858)	1:57:B:PRO:HD3	1:57:B:PRO:HA	17	0.26	0.13	0.23
(1,3629)	1:63:A:MET:HG3	1:64:A:MET:HA	17	0.25	0.08	0.26
(1,5412)	1:17:B:LEU:H	1:18:B:ILE:HB	17	0.24	0.07	0.24
(1,5411)	1:17:A:LEU:H	1:18:A:ILE:HB	17	0.24	0.07	0.25
(1,622)	1:63:B:MET:H	1:62:B:ARG:HG2	17	0.23	0.06	0.22
(1,621)	1:63:A:MET:H	1:62:A:ARG:HG2	17	0.23	0.06	0.22
(1,4931)	1:61:A:ASP:HB3	1:61:A:ASP:HA	17	0.22	0.01	0.22
(1,4932)	1:61:B:ASP:HB3	1:61:B:ASP:HA	17	0.22	0.01	0.22
(1,4932)	1:93:B:ASP:HB3	1:93:B:ASP:HA	17	0.22	0.01	0.22
(1,4927)	1:61:A:ASP:HB3	1:61:A:ASP:HA	17	0.21	0.01	0.21
(1,4928)	1:61:B:ASP:HB3	1:61:B:ASP:HA	17	0.21	0.01	0.21
(1,4928)	1:93:B:ASP:HB3	1:93:B:ASP:HA	17	0.21	0.01	0.21
(1,610)	1:63:B:MET:H	1:62:B:ARG:HG2	17	0.21	0.06	0.2
(1,609)	1:63:A:MET:H	1:62:A:ARG:HG2	17	0.21	0.06	0.2
(1,1624)	1:67:B:LEU:H	1:67:B:LEU:HD13	17	0.19	0.05	0.18
(1,1624)	1:67:B:LEU:H	1:67:B:LEU:HD11	17	0.19	0.05	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1624)	1:67:B:LEU:H	1:67:B:LEU:HD12	17	0.19	0.05	0.18
(1,5098)	1:66:B:LYS:HB2	1:66:B:LYS:HA	17	0.18	0.02	0.18
(1,5098)	1:65:B:LYS:HA	1:65:B:LYS:HB3	17	0.18	0.02	0.18
(1,5098)	1:52:B:LYS:HA	1:52:B:LYS:HB3	17	0.18	0.02	0.18
(1,5097)	1:66:A:LYS:HB2	1:66:A:LYS:HA	17	0.18	0.02	0.18
(1,5097)	1:65:A:LYS:HA	1:65:A:LYS:HB3	17	0.18	0.02	0.18
(1,5097)	1:52:A:LYS:HA	1:52:A:LYS:HB3	17	0.18	0.02	0.18
(1,3700)	1:69:B:THR:HB	1:68:B:ASP:HB3	17	0.16	0.03	0.17
(1,3699)	1:69:A:THR:HB	1:68:A:ASP:HB3	17	0.16	0.03	0.16
(1,5305)	1:81:A:LEU:H	1:82:A:ASN:HB3	16	0.78	0.12	0.8
(1,5305)	1:81:A:LEU:H	1:89:B:MET:HG2	16	0.78	0.12	0.8
(1,5305)	1:46:A:GLU:H	1:44:A:ASN:HB3	16	0.78	0.12	0.8
(1,5306)	1:81:B:LEU:H	1:82:B:ASN:HB3	16	0.78	0.12	0.8
(1,5306)	1:81:B:LEU:H	1:89:A:MET:HG2	16	0.78	0.12	0.8
(1,5306)	1:46:B:GLU:H	1:44:B:ASN:HB3	16	0.78	0.12	0.8
(1,2553)	1:38:A:GLU:H	1:40:A:LEU:HD22	16	0.63	0.13	0.66
(1,2553)	1:38:A:GLU:H	1:40:A:LEU:HD21	16	0.63	0.13	0.66
(1,2553)	1:38:A:GLU:H	1:40:A:LEU:HD23	16	0.63	0.13	0.66
(1,2554)	1:38:B:GLU:H	1:40:B:LEU:HD22	16	0.63	0.13	0.66
(1,2554)	1:38:B:GLU:H	1:40:B:LEU:HD21	16	0.63	0.13	0.66
(1,2554)	1:38:B:GLU:H	1:40:B:LEU:HD23	16	0.63	0.13	0.66
(1,3958)	1:17:B:LEU:HG	1:16:B:SER:HB3	16	0.59	0.23	0.6
(1,3958)	1:17:B:LEU:HG	1:15:B:GLU:HA	16	0.59	0.23	0.6
(1,3958)	1:17:B:LEU:HG	1:10:A:THR:HB	16	0.59	0.23	0.6
(1,3957)	1:17:A:LEU:HG	1:16:A:SER:HB3	16	0.58	0.23	0.6
(1,3957)	1:17:A:LEU:HG	1:15:A:GLU:HA	16	0.58	0.23	0.6
(1,3957)	1:17:A:LEU:HG	1:10:B:THR:HB	16	0.58	0.23	0.6
(1,4756)	1:46:B:GLU:HB2	1:45:B:THR:HG21	16	0.55	0.2	0.52
(1,4756)	1:37:B:THR:HG23	1:27:B:LYS:HD3	16	0.55	0.2	0.52
(1,4756)	1:46:B:GLU:HB2	1:45:B:THR:HG23	16	0.55	0.2	0.52
(1,4756)	1:46:B:GLU:HB2	1:45:B:THR:HG22	16	0.55	0.2	0.52
(1,4756)	1:37:B:THR:HG21	1:27:B:LYS:HD3	16	0.55	0.2	0.52
(1,4755)	1:46:A:GLU:HB2	1:45:A:THR:HG21	16	0.55	0.2	0.52
(1,4755)	1:37:A:THR:HG23	1:27:A:LYS:HD3	16	0.55	0.2	0.52
(1,4755)	1:46:A:GLU:HB2	1:45:A:THR:HG23	16	0.55	0.2	0.52
(1,4755)	1:46:A:GLU:HB2	1:45:A:THR:HG22	16	0.55	0.2	0.52
(1,4755)	1:37:A:THR:HG21	1:27:A:LYS:HD3	16	0.55	0.2	0.52
(1,1870)	1:20:B:VAL:HG12	1:21:B:PHE:H	16	0.55	0.06	0.56
(1,1870)	1:20:B:VAL:HG11	1:21:B:PHE:H	16	0.55	0.06	0.56
(1,1870)	1:20:B:VAL:HG13	1:21:B:PHE:H	16	0.55	0.06	0.56
(1,1869)	1:20:A:VAL:HG12	1:21:A:PHE:H	16	0.55	0.07	0.56
(1,1869)	1:20:A:VAL:HG11	1:21:A:PHE:H	16	0.55	0.07	0.56

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1869)	1:20:A:VAL:HG13	1:21:A:PHE:H	16	0.55	0.07	0.56
(1,4664)	1:100:B:PRO:HD2	1:100:B:PRO:HB2	16	0.52	0.03	0.52
(1,4664)	1:7:B:PRO:HB2	1:7:B:PRO:HD3	16	0.52	0.03	0.52
(1,4663)	1:100:A:PRO:HD2	1:100:A:PRO:HB2	16	0.52	0.03	0.52
(1,4663)	1:7:A:PRO:HB2	1:7:A:PRO:HD3	16	0.52	0.03	0.52
(1,3918)	1:19:B:ALA:H	1:20:B:VAL:HB	16	0.41	0.06	0.4
(1,3918)	1:20:B:VAL:HB	1:46:B:GLU:H	16	0.41	0.06	0.4
(1,5352)	1:41:B:SER:H	1:42:B:PHE:HB2	16	0.4	0.16	0.38
(1,5352)	1:41:B:SER:H	1:39:B:PHE:HB3	16	0.4	0.16	0.38
(1,3917)	1:19:A:ALA:H	1:20:A:VAL:HB	16	0.4	0.06	0.4
(1,3917)	1:20:A:VAL:HB	1:46:A:GLU:H	16	0.4	0.06	0.4
(1,5351)	1:41:A:SER:H	1:42:A:PHE:HB2	16	0.4	0.16	0.38
(1,5351)	1:41:A:SER:H	1:39:A:PHE:HB3	16	0.4	0.16	0.38
(1,4052)	1:58:B:GLY:HA3	1:57:B:PRO:HG2	16	0.4	0.09	0.42
(1,4051)	1:58:A:GLY:HA3	1:57:A:PRO:HG2	16	0.4	0.09	0.43
(1,855)	1:9:A:GLU:HG2	1:17:B:LEU:HD23	16	0.4	0.14	0.42
(1,855)	1:9:A:GLU:HG3	1:17:B:LEU:HD21	16	0.4	0.14	0.42
(1,855)	1:9:A:GLU:HG3	1:17:B:LEU:HD23	16	0.4	0.14	0.42
(1,855)	1:9:A:GLU:HG2	1:17:B:LEU:HD22	16	0.4	0.14	0.42
(1,3404)	1:9:B:GLU:HB3	1:16:A:SER:HB3	16	0.37	0.17	0.34
(1,3404)	1:9:B:GLU:HB3	1:20:A:VAL:HA	16	0.37	0.17	0.34
(1,3404)	1:9:B:GLU:HB2	1:16:A:SER:HB3	16	0.37	0.17	0.34
(1,1739)	1:23:A:LYS:HE2	1:8:B:THR:HB	16	0.36	0.15	0.38
(1,1739)	1:23:A:LYS:HE3	1:8:B:THR:HB	16	0.36	0.15	0.38
(1,3980)	1:82:B:ASN:HA	1:67:B:LEU:HB3	16	0.36	0.18	0.34
(1,3979)	1:82:A:ASN:HA	1:67:A:LEU:HB3	16	0.35	0.18	0.34
(1,1740)	1:23:B:LYS:HE2	1:8:A:THR:HB	16	0.35	0.15	0.38
(1,1740)	1:23:B:LYS:HE3	1:8:A:THR:HB	16	0.35	0.15	0.38
(1,5457)	1:95:A:PHE:H	1:96:A:LEU:HD22	16	0.33	0.23	0.22
(1,5457)	1:95:A:PHE:H	1:96:A:LEU:HD21	16	0.33	0.23	0.22
(1,5457)	1:95:A:PHE:H	1:96:A:LEU:HD23	16	0.33	0.23	0.22
(1,5458)	1:95:B:PHE:H	1:96:B:LEU:HD22	16	0.33	0.23	0.22
(1,5458)	1:95:B:PHE:H	1:96:B:LEU:HD21	16	0.33	0.23	0.22
(1,5458)	1:95:B:PHE:H	1:96:B:LEU:HD23	16	0.33	0.23	0.22
(1,3507)	1:46:A:GLU:HB3	1:45:A:THR:HB	16	0.32	0.16	0.31
(1,3508)	1:46:B:GLU:HB3	1:45:B:THR:HB	16	0.32	0.16	0.32
(1,3530)	1:34:B:LEU:HB2	1:39:B:PHE:HA	16	0.32	0.15	0.29
(1,3529)	1:34:A:LEU:HB2	1:39:A:PHE:HA	16	0.32	0.15	0.29
(1,1165)	1:81:A:LEU:HD21	1:80:A:PHE:HB3	16	0.26	0.08	0.28
(1,1165)	1:81:A:LEU:HD22	1:80:A:PHE:HB3	16	0.26	0.08	0.28
(1,1165)	1:81:A:LEU:HD23	1:80:A:PHE:HB3	16	0.26	0.08	0.28
(1,1166)	1:81:B:LEU:HD21	1:80:B:PHE:HB3	16	0.26	0.08	0.27

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1166)	1:81:B:LEU:HD22	1:80:B:PHE:HB3	16	0.26	0.08	0.27
(1,1166)	1:81:B:LEU:HD23	1:80:B:PHE:HB3	16	0.26	0.08	0.27
(1,3630)	1:63:B:MET:HG3	1:64:B:MET:HA	16	0.26	0.07	0.26
(1,5557)	1:88:A:ALA:H	1:81:B:LEU:HD13	16	0.24	0.08	0.24
(1,5557)	1:88:A:ALA:H	1:81:B:LEU:HD12	16	0.24	0.08	0.24
(1,5557)	1:88:A:ALA:H	1:81:B:LEU:HD11	16	0.24	0.08	0.24
(1,5558)	1:88:B:ALA:H	1:81:A:LEU:HD13	16	0.24	0.08	0.24
(1,5558)	1:88:B:ALA:H	1:81:A:LEU:HD12	16	0.24	0.08	0.24
(1,5558)	1:88:B:ALA:H	1:81:A:LEU:HD11	16	0.24	0.08	0.24
(1,3056)	1:94:B:SER:H	1:93:B:ASP:HB2	16	0.22	0.05	0.2
(1,3055)	1:94:A:SER:H	1:93:A:ASP:HB2	16	0.22	0.05	0.2
(1,2753)	1:38:A:GLU:H	1:34:A:LEU:HD21	16	0.21	0.06	0.18
(1,2753)	1:38:A:GLU:H	1:34:A:LEU:HD22	16	0.21	0.06	0.18
(1,2753)	1:38:A:GLU:H	1:34:A:LEU:HD23	16	0.21	0.06	0.18
(1,2754)	1:38:B:GLU:H	1:34:B:LEU:HD21	16	0.21	0.06	0.18
(1,2754)	1:38:B:GLU:H	1:34:B:LEU:HD22	16	0.21	0.06	0.18
(1,2754)	1:38:B:GLU:H	1:34:B:LEU:HD23	16	0.21	0.06	0.18
(1,4415)	1:13:A:CYS:H	1:12:A:ARG:HB2	16	0.2	0.04	0.19
(1,4415)	1:13:A:CYS:H	1:12:A:ARG:HB3	16	0.2	0.04	0.19
(1,4416)	1:13:B:CYS:H	1:12:B:ARG:HB2	16	0.2	0.04	0.19
(1,4416)	1:13:B:CYS:H	1:12:B:ARG:HB3	16	0.2	0.04	0.19
(1,1401)	1:15:A:GLU:HA	1:18:A:ILE:HG22	16	0.19	0.06	0.19
(1,1401)	1:15:A:GLU:HA	1:18:A:ILE:HG23	16	0.19	0.06	0.19
(1,1401)	1:15:A:GLU:HA	1:18:A:ILE:HG21	16	0.19	0.06	0.19
(1,1402)	1:15:B:GLU:HA	1:18:B:ILE:HG22	16	0.19	0.06	0.2
(1,1402)	1:15:B:GLU:HA	1:18:B:ILE:HG23	16	0.19	0.06	0.2
(1,1402)	1:15:B:GLU:HA	1:18:B:ILE:HG21	16	0.19	0.06	0.2
(1,97)	1:9:A:GLU:HB3	1:20:B:VAL:HB	16	0.17	0.02	0.17
(1,98)	1:9:B:GLU:HB3	1:20:A:VAL:HB	16	0.17	0.02	0.17
(1,85)	1:9:A:GLU:HB3	1:20:B:VAL:HB	16	0.14	0.02	0.14
(1,86)	1:9:B:GLU:HB3	1:20:A:VAL:HB	16	0.14	0.02	0.14
(1,4554)	1:99:B:VAL:H	1:99:B:VAL:HB	16	0.13	0.02	0.12
(1,4553)	1:99:A:VAL:H	1:99:A:VAL:HB	16	0.13	0.02	0.12
(1,268)	1:75:B:LEU:HB3	1:39:B:PHE:HB3	15	1.31	0.67	1.64
(1,267)	1:75:A:LEU:HB3	1:39:A:PHE:HB3	15	1.3	0.67	1.63
(1,4630)	1:66:B:LYS:HE2	1:62:B:ARG:HD3	15	1.12	0.64	1.27
(1,4630)	1:36:B:LYS:HE2	1:39:B:PHE:HB3	15	1.12	0.64	1.27
(1,4630)	1:36:B:LYS:HE3	1:39:B:PHE:HB3	15	1.12	0.64	1.27
(1,4630)	1:52:B:LYS:HE3	1:50:B:PHE:HB3	15	1.12	0.64	1.27
(1,4630)	1:97:B:LYS:HE2	1:95:B:PHE:HB3	15	1.12	0.64	1.27
(1,4629)	1:66:A:LYS:HE2	1:62:A:ARG:HD3	15	1.12	0.63	1.27
(1,4629)	1:36:A:LYS:HE2	1:39:A:PHE:HB3	15	1.12	0.63	1.27

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4629)	1:36:A:LYS:HE3	1:39:A:PHE:HB3	15	1.12	0.63	1.27
(1,4629)	1:52:A:LYS:HE3	1:50:A:PHE:HB3	15	1.12	0.63	1.27
(1,4629)	1:97:A:LYS:HE2	1:95:A:PHE:HB3	15	1.12	0.63	1.27
(1,3704)	1:39:B:PHE:HB2	1:75:B:LEU:HB3	15	0.66	0.35	0.7
(1,3704)	1:39:B:PHE:HB2	1:60:B:LEU:HB3	15	0.66	0.35	0.7
(1,3704)	1:39:B:PHE:HB2	1:36:B:LYS:HG3	15	0.66	0.35	0.7
(1,3703)	1:39:A:PHE:HB2	1:75:A:LEU:HB3	15	0.66	0.35	0.7
(1,3703)	1:39:A:PHE:HB2	1:60:A:LEU:HB3	15	0.66	0.35	0.7
(1,3703)	1:39:A:PHE:HB2	1:36:A:LYS:HG3	15	0.66	0.35	0.7
(1,4831)	1:12:A:ARG:HD2	1:9:A:GLU:HA	15	0.61	0.24	0.65
(1,4831)	1:12:A:ARG:HD2	1:12:A:ARG:HA	15	0.61	0.24	0.65
(1,4832)	1:12:B:ARG:HD2	1:9:B:GLU:HA	15	0.61	0.25	0.65
(1,4832)	1:12:B:ARG:HD2	1:12:B:ARG:HA	15	0.61	0.25	0.65
(1,4199)	1:42:A:PHE:HA	1:39:A:PHE:HA	15	0.49	0.2	0.48
(1,4199)	1:45:A:THR:HB	1:42:A:PHE:HA	15	0.49	0.2	0.48
(1,4200)	1:42:B:PHE:HA	1:39:B:PHE:HA	15	0.49	0.2	0.47
(1,4200)	1:45:B:THR:HB	1:42:B:PHE:HA	15	0.49	0.2	0.47
(1,5497)	1:76:A:ASP:H	1:77:A:PHE:HB2	15	0.46	0.34	0.43
(1,5497)	1:76:A:ASP:H	1:72:A:ASP:HB3	15	0.46	0.34	0.43
(1,3535)	1:18:A:ILE:HB	1:91:B:CYS:HB3	15	0.41	0.15	0.4
(1,3535)	1:18:A:ILE:HB	1:91:B:CYS:HB2	15	0.41	0.15	0.4
(1,3535)	1:18:A:ILE:HB	1:21:A:PHE:HB2	15	0.41	0.15	0.4
(1,217)	1:18:A:ILE:HA	1:95:B:PHE:HB2	15	0.37	0.18	0.31
(1,217)	1:18:A:ILE:HA	1:95:B:PHE:HB3	15	0.37	0.18	0.31
(1,218)	1:18:B:ILE:HA	1:95:A:PHE:HB2	15	0.37	0.18	0.32
(1,218)	1:18:B:ILE:HA	1:95:A:PHE:HB3	15	0.37	0.18	0.32
(1,3939)	1:75:A:LEU:HD13	1:67:A:LEU:H	15	0.37	0.14	0.37
(1,3939)	1:75:A:LEU:HD11	1:67:A:LEU:H	15	0.37	0.14	0.37
(1,3939)	1:75:A:LEU:HD12	1:67:A:LEU:H	15	0.37	0.14	0.37
(1,4436)	1:20:B:VAL:HG12	1:21:B:PHE:HB3	15	0.34	0.33	0.22
(1,4436)	1:20:B:VAL:HG11	1:21:B:PHE:HB3	15	0.34	0.33	0.22
(1,4436)	1:20:B:VAL:HG13	1:21:B:PHE:HB3	15	0.34	0.33	0.22
(1,4436)	1:45:B:THR:HG23	1:42:B:PHE:HB3	15	0.34	0.33	0.22
(1,4436)	1:45:B:THR:HG22	1:42:B:PHE:HB3	15	0.34	0.33	0.22
(1,4436)	1:45:B:THR:HG21	1:42:B:PHE:HB3	15	0.34	0.33	0.22
(1,4435)	1:20:A:VAL:HG12	1:21:A:PHE:HB3	15	0.34	0.33	0.22
(1,4435)	1:20:A:VAL:HG11	1:21:A:PHE:HB3	15	0.34	0.33	0.22
(1,4435)	1:20:A:VAL:HG13	1:21:A:PHE:HB3	15	0.34	0.33	0.22
(1,4435)	1:45:A:THR:HG23	1:42:A:PHE:HB3	15	0.34	0.33	0.22
(1,4435)	1:45:A:THR:HG22	1:42:A:PHE:HB3	15	0.34	0.33	0.22
(1,4435)	1:45:A:THR:HG21	1:42:A:PHE:HB3	15	0.34	0.33	0.22
(1,5276)	1:94:B:SER:H	1:96:B:LEU:HD21	15	0.31	0.13	0.33

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,5276)	1:94:B:SER:H	1:96:B:LEU:HD22	15	0.31	0.13	0.33
(1,5276)	1:94:B:SER:H	1:96:B:LEU:HD23	15	0.31	0.13	0.33
(1,5275)	1:94:A:SER:H	1:96:A:LEU:HD21	15	0.31	0.13	0.33
(1,5275)	1:94:A:SER:H	1:96:A:LEU:HD22	15	0.31	0.13	0.33
(1,5275)	1:94:A:SER:H	1:96:A:LEU:HD23	15	0.31	0.13	0.33
(1,3382)	1:87:B:LEU:HD22	1:11:A:GLU:HB3	15	0.31	0.15	0.29
(1,3382)	1:87:B:LEU:HD21	1:11:A:GLU:HB3	15	0.31	0.15	0.29
(1,3382)	1:87:B:LEU:HD21	1:14:A:ILE:HB	15	0.31	0.15	0.29
(1,3382)	1:87:B:LEU:HD23	1:14:A:ILE:HB	15	0.31	0.15	0.29
(1,3382)	1:87:B:LEU:HD22	1:14:A:ILE:HB	15	0.31	0.15	0.29
(1,4718)	1:87:B:LEU:HD22	1:11:A:GLU:HB3	15	0.31	0.15	0.29
(1,4718)	1:87:B:LEU:HD21	1:11:A:GLU:HB3	15	0.31	0.15	0.29
(1,4718)	1:87:B:LEU:HD21	1:14:A:ILE:HB	15	0.31	0.15	0.29
(1,4718)	1:87:B:LEU:HD23	1:14:A:ILE:HB	15	0.31	0.15	0.29
(1,4718)	1:87:B:LEU:HD22	1:14:A:ILE:HB	15	0.31	0.15	0.29
(1,3381)	1:87:A:LEU:HD22	1:11:B:GLU:HB3	15	0.31	0.16	0.29
(1,3381)	1:87:A:LEU:HD21	1:11:B:GLU:HB3	15	0.31	0.16	0.29
(1,3381)	1:87:A:LEU:HD21	1:14:B:ILE:HB	15	0.31	0.16	0.29
(1,3381)	1:87:A:LEU:HD23	1:14:B:ILE:HB	15	0.31	0.16	0.29
(1,3381)	1:87:A:LEU:HD22	1:14:B:ILE:HB	15	0.31	0.16	0.29
(1,4717)	1:87:A:LEU:HD22	1:11:B:GLU:HB3	15	0.31	0.16	0.29
(1,4717)	1:87:A:LEU:HD21	1:11:B:GLU:HB3	15	0.31	0.16	0.29
(1,4717)	1:87:A:LEU:HD21	1:14:B:ILE:HB	15	0.31	0.16	0.29
(1,4717)	1:87:A:LEU:HD23	1:14:B:ILE:HB	15	0.31	0.16	0.29
(1,4717)	1:87:A:LEU:HD22	1:14:B:ILE:HB	15	0.31	0.16	0.29
(1,3408)	1:11:B:GLU:HB2	1:46:A:GLU:HA	15	0.3	0.1	0.34
(1,5501)	1:82:A:ASN:H	1:86:A:GLY:H	15	0.3	0.07	0.28
(1,5502)	1:82:B:ASN:H	1:86:B:GLY:H	15	0.3	0.07	0.28
(1,3407)	1:11:A:GLU:HB2	1:46:B:GLU:HA	15	0.3	0.1	0.32
(1,1827)	1:57:A:PRO:HD3	1:57:A:PRO:HA	15	0.25	0.12	0.2
(1,1828)	1:57:B:PRO:HD3	1:57:B:PRO:HA	15	0.25	0.12	0.2
(1,3880)	1:69:B:THR:HB	1:82:B:ASN:HB3	15	0.24	0.1	0.22
(1,3880)	1:69:B:THR:HB	1:70:B:ASN:HB3	15	0.24	0.1	0.22
(1,3879)	1:69:A:THR:HB	1:82:A:ASN:HB3	15	0.24	0.1	0.22
(1,3879)	1:69:A:THR:HB	1:70:A:ASN:HB3	15	0.24	0.1	0.22
(1,5678)	1:20:B:VAL:H	1:20:B:VAL:HB	15	0.24	0.03	0.25
(1,5678)	1:20:B:VAL:H	1:9:A:GLU:HG2	15	0.24	0.03	0.25
(1,5677)	1:20:A:VAL:H	1:20:A:VAL:HB	15	0.24	0.03	0.25
(1,5677)	1:20:A:VAL:H	1:9:B:GLU:HG2	15	0.24	0.03	0.25
(1,5413)	1:35:A:SER:H	1:39:A:PHE:H	15	0.23	0.03	0.24
(1,5413)	1:35:A:SER:H	1:36:A:LYS:H	15	0.23	0.03	0.24
(1,5414)	1:35:B:SER:H	1:39:B:PHE:H	15	0.23	0.03	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,5414)	1:35:B:SER:H	1:36:B:LYS:H	15	0.23	0.03	0.24
(1,4619)	1:68:A:ASP:HB2	1:65:A:LYS:HA	15	0.22	0.07	0.21
(1,4619)	1:68:A:ASP:HB2	1:73:A:GLY:HA2	15	0.22	0.07	0.21
(1,661)	1:73:A:GLY:HA2	1:74:A:GLN:HG3	15	0.22	0.09	0.2
(1,662)	1:73:B:GLY:HA2	1:74:B:GLN:HG3	15	0.22	0.09	0.19
(1,5119)	1:60:A:LEU:HB2	1:40:A:LEU:HD23	15	0.21	0.06	0.23
(1,5119)	1:60:A:LEU:HB2	1:40:A:LEU:HD22	15	0.21	0.06	0.23
(1,5119)	1:40:A:LEU:HG	1:40:A:LEU:HD22	15	0.21	0.06	0.23
(1,5119)	1:40:A:LEU:HG	1:40:A:LEU:HD21	15	0.21	0.06	0.23
(1,5119)	1:60:A:LEU:HB2	1:40:A:LEU:HD21	15	0.21	0.06	0.23
(1,5120)	1:60:B:LEU:HB2	1:40:B:LEU:HD23	15	0.21	0.06	0.23
(1,5120)	1:60:B:LEU:HB2	1:40:B:LEU:HD22	15	0.21	0.06	0.23
(1,5120)	1:40:B:LEU:HG	1:40:B:LEU:HD22	15	0.21	0.06	0.23
(1,5120)	1:40:B:LEU:HG	1:40:B:LEU:HD21	15	0.21	0.06	0.23
(1,5120)	1:60:B:LEU:HB2	1:40:B:LEU:HD21	15	0.21	0.06	0.23
(1,707)	1:67:A:LEU:HB2	1:66:A:LYS:HB3	15	0.21	0.15	0.15
(1,707)	1:67:A:LEU:HB2	1:66:A:LYS:HB2	15	0.21	0.15	0.15
(1,708)	1:67:B:LEU:HB2	1:66:B:LYS:HB3	15	0.21	0.15	0.15
(1,708)	1:67:B:LEU:HB2	1:66:B:LYS:HB2	15	0.21	0.15	0.15
(1,1823)	1:63:A:MET:HB2	1:67:A:LEU:HD13	15	0.19	0.06	0.17
(1,1823)	1:63:A:MET:HB2	1:67:A:LEU:HD11	15	0.19	0.06	0.17
(1,1823)	1:63:A:MET:HB2	1:67:A:LEU:HD12	15	0.19	0.06	0.17
(1,1824)	1:63:B:MET:HB2	1:67:B:LEU:HD13	15	0.19	0.06	0.17
(1,1824)	1:63:B:MET:HB2	1:67:B:LEU:HD11	15	0.19	0.06	0.17
(1,1824)	1:63:B:MET:HB2	1:67:B:LEU:HD12	15	0.19	0.06	0.17
(1,5663)	1:40:A:LEU:H	1:40:A:LEU:HB3	15	0.19	0.01	0.19
(1,5664)	1:40:B:LEU:H	1:40:B:LEU:HB3	15	0.19	0.01	0.19
(1,4076)	1:53:B:ASN:HA	1:52:B:LYS:HB2	15	0.18	0.07	0.17
(1,4076)	1:28:B:ASP:HA	1:27:B:LYS:HB3	15	0.18	0.07	0.17
(1,4076)	1:53:B:ASN:HA	1:52:B:LYS:HB3	15	0.18	0.07	0.17
(1,4075)	1:53:A:ASN:HA	1:52:A:LYS:HB2	15	0.18	0.07	0.17
(1,4075)	1:28:A:ASP:HA	1:27:A:LYS:HB3	15	0.18	0.07	0.17
(1,4075)	1:53:A:ASN:HA	1:52:A:LYS:HB3	15	0.18	0.07	0.17
(3,29)	1:46:A:GLU:N	1:42:A:PHE:O	15	0.16	0.01	0.16
(3,87)	1:46:B:GLU:N	1:42:B:PHE:O	15	0.16	0.01	0.16
(1,5786)	1:99:B:VAL:H	1:99:B:VAL:HA	15	0.13	0.02	0.13
(1,5786)	1:99:B:VAL:H	1:95:B:PHE:HA	15	0.13	0.02	0.13
(2,59)	1:42:A:PHE:HB3	1:24:A:TYR:H	14	1.26	0.08	1.26
(2,60)	1:42:B:PHE:HB3	1:24:B:TYR:H	14	1.26	0.08	1.26
(1,1627)	1:24:A:TYR:HB3	1:42:A:PHE:HB3	14	0.98	0.15	1.0
(1,1628)	1:24:B:TYR:HB3	1:42:B:PHE:HB3	14	0.98	0.15	1.0
(1,4422)	1:42:B:PHE:HA	1:45:B:THR:HG21	14	0.93	0.34	1.13

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4422)	1:42:B:PHE:HA	1:45:B:THR:HG23	14	0.93	0.34	1.13
(1,4422)	1:42:B:PHE:HA	1:45:B:THR:HG22	14	0.93	0.34	1.13
(1,4421)	1:42:A:PHE:HA	1:45:A:THR:HG21	14	0.93	0.34	1.12
(1,4421)	1:42:A:PHE:HA	1:45:A:THR:HG23	14	0.93	0.34	1.12
(1,4421)	1:42:A:PHE:HA	1:45:A:THR:HG22	14	0.93	0.34	1.12
(1,3849)	1:34:A:LEU:HB2	1:39:A:PHE:HB2	14	0.78	0.43	0.89
(1,3849)	1:39:A:PHE:HB2	1:64:A:MET:HB2	14	0.78	0.43	0.89
(1,3849)	1:39:A:PHE:HB2	1:40:A:LEU:HG	14	0.78	0.43	0.89
(1,3850)	1:34:B:LEU:HB2	1:39:B:PHE:HB2	14	0.78	0.43	0.89
(1,3850)	1:39:B:PHE:HB2	1:64:B:MET:HB2	14	0.78	0.43	0.89
(1,3850)	1:39:B:PHE:HB2	1:40:B:LEU:HG	14	0.78	0.43	0.89
(1,3587)	1:76:A:ASP:HB2	1:77:A:PHE:HB3	14	0.6	0.38	0.56
(1,3587)	1:75:A:LEU:HB2	1:76:A:ASP:HB2	14	0.6	0.38	0.56
(1,3588)	1:76:B:ASP:HB2	1:77:B:PHE:HB3	14	0.6	0.38	0.56
(1,3588)	1:75:B:LEU:HB2	1:76:B:ASP:HB2	14	0.6	0.38	0.56
(1,5498)	1:76:B:ASP:H	1:77:B:PHE:HB2	14	0.48	0.34	0.44
(1,5498)	1:76:B:ASP:H	1:72:B:ASP:HB3	14	0.48	0.34	0.44
(1,3536)	1:18:B:ILE:HB	1:91:A:CYS:HB3	14	0.43	0.14	0.42
(1,3536)	1:18:B:ILE:HB	1:91:A:CYS:HB2	14	0.43	0.14	0.42
(1,3536)	1:18:B:ILE:HB	1:21:B:PHE:HB2	14	0.43	0.14	0.42
(1,4197)	1:60:A:LEU:HD13	1:44:A:ASN:HB2	14	0.39	0.2	0.36
(1,4197)	1:60:A:LEU:HD11	1:44:A:ASN:HB2	14	0.39	0.2	0.36
(1,4197)	1:60:A:LEU:HD12	1:44:A:ASN:HB2	14	0.39	0.2	0.36
(1,4198)	1:60:B:LEU:HD13	1:44:B:ASN:HB2	14	0.39	0.2	0.36
(1,4198)	1:60:B:LEU:HD11	1:44:B:ASN:HB2	14	0.39	0.2	0.36
(1,4198)	1:60:B:LEU:HD12	1:44:B:ASN:HB2	14	0.39	0.2	0.36
(1,3940)	1:75:B:LEU:HD13	1:67:B:LEU:H	14	0.39	0.12	0.38
(1,3940)	1:75:B:LEU:HD11	1:67:B:LEU:H	14	0.39	0.12	0.38
(1,3940)	1:75:B:LEU:HD12	1:67:B:LEU:H	14	0.39	0.12	0.38
(1,148)	1:18:B:ILE:HG23	1:92:A:HIS:H	14	0.38	0.21	0.36
(1,148)	1:18:B:ILE:HG22	1:92:A:HIS:H	14	0.38	0.21	0.36
(1,148)	1:18:B:ILE:HG21	1:92:A:HIS:H	14	0.38	0.21	0.36
(1,1638)	1:38:B:GLU:HA	1:27:B:LYS:HD2	14	0.38	0.18	0.38
(1,1638)	1:38:B:GLU:HA	1:27:B:LYS:HD3	14	0.38	0.18	0.38
(1,147)	1:18:A:ILE:HG23	1:92:B:HIS:H	14	0.38	0.22	0.34
(1,147)	1:18:A:ILE:HG22	1:92:B:HIS:H	14	0.38	0.22	0.34
(1,147)	1:18:A:ILE:HG21	1:92:B:HIS:H	14	0.38	0.22	0.34
(1,1637)	1:38:A:GLU:HA	1:27:A:LYS:HD2	14	0.37	0.18	0.38
(1,1637)	1:38:A:GLU:HA	1:27:A:LYS:HD3	14	0.37	0.18	0.38
(1,2767)	1:80:A:PHE:H	1:75:A:LEU:HB2	14	0.37	0.13	0.34
(1,2768)	1:80:B:PHE:H	1:75:B:LEU:HB2	14	0.37	0.13	0.34
(1,4062)	1:66:B:LYS:H	1:65:B:LYS:HG2	14	0.37	0.16	0.32

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4061)	1:66:A:LYS:H	1:65:A:LYS:HG2	14	0.37	0.16	0.32
(1,3972)	1:34:B:LEU:HD13	1:80:B:PHE:HB3	14	0.36	0.13	0.34
(1,3972)	1:34:B:LEU:HD12	1:80:B:PHE:HB3	14	0.36	0.13	0.34
(1,3972)	1:34:B:LEU:HD11	1:80:B:PHE:HB3	14	0.36	0.13	0.34
(1,3971)	1:34:A:LEU:HD13	1:80:A:PHE:HB3	14	0.36	0.13	0.34
(1,3971)	1:34:A:LEU:HD12	1:80:A:PHE:HB3	14	0.36	0.13	0.34
(1,3971)	1:34:A:LEU:HD11	1:80:A:PHE:HB3	14	0.36	0.13	0.34
(1,3353)	1:84:A:ILE:HG23	1:17:B:LEU:HD13	14	0.34	0.13	0.34
(1,3353)	1:84:A:ILE:HG22	1:17:B:LEU:HD12	14	0.34	0.13	0.34
(1,3353)	1:84:A:ILE:HG21	1:17:B:LEU:HD11	14	0.34	0.13	0.34
(1,3353)	1:84:A:ILE:HG23	1:17:B:LEU:HD11	14	0.34	0.13	0.34
(1,3353)	1:84:A:ILE:HG22	1:17:B:LEU:HD11	14	0.34	0.13	0.34
(1,3353)	1:84:A:ILE:HG23	1:17:B:LEU:HD12	14	0.34	0.13	0.34
(1,3353)	1:84:A:ILE:HG21	1:14:B:ILE:HD11	14	0.34	0.13	0.34
(1,3353)	1:84:A:ILE:HG21	1:17:B:LEU:HD13	14	0.34	0.13	0.34
(1,3353)	1:84:A:ILE:HG23	1:14:B:ILE:HD13	14	0.34	0.13	0.34
(1,3354)	1:84:B:ILE:HG23	1:17:A:LEU:HD13	14	0.34	0.13	0.33
(1,3354)	1:84:B:ILE:HG22	1:14:A:ILE:HD11	14	0.34	0.13	0.33
(1,3354)	1:84:B:ILE:HG21	1:17:A:LEU:HD11	14	0.34	0.13	0.33
(1,3354)	1:84:B:ILE:HG23	1:17:A:LEU:HD11	14	0.34	0.13	0.33
(1,3354)	1:84:B:ILE:HG22	1:17:A:LEU:HD11	14	0.34	0.13	0.33
(1,3354)	1:84:B:ILE:HG23	1:17:A:LEU:HD12	14	0.34	0.13	0.33
(1,3354)	1:84:B:ILE:HG21	1:14:A:ILE:HD11	14	0.34	0.13	0.33
(1,3354)	1:84:B:ILE:HG22	1:17:A:LEU:HD12	14	0.34	0.13	0.33
(1,3354)	1:84:B:ILE:HG21	1:17:A:LEU:HD13	14	0.34	0.13	0.33
(1,3354)	1:84:B:ILE:HG23	1:14:A:ILE:HD13	14	0.34	0.13	0.33
(1,4192)	1:61:B:ASP:HB3	1:40:B:LEU:HD21	14	0.32	0.14	0.36
(1,4192)	1:61:B:ASP:HB3	1:40:B:LEU:HD23	14	0.32	0.14	0.36
(1,4192)	1:61:B:ASP:HB3	1:40:B:LEU:HD22	14	0.32	0.14	0.36
(1,4191)	1:61:A:ASP:HB3	1:40:A:LEU:HD21	14	0.32	0.14	0.36
(1,4191)	1:61:A:ASP:HB3	1:40:A:LEU:HD23	14	0.32	0.14	0.36
(1,4191)	1:61:A:ASP:HB3	1:40:A:LEU:HD22	14	0.32	0.14	0.36
(1,4495)	1:89:A:MET:HA	1:81:B:LEU:HD12	14	0.31	0.1	0.28
(1,4495)	1:89:A:MET:HA	1:81:B:LEU:HD11	14	0.31	0.1	0.28
(1,4495)	1:38:A:GLU:HA	1:34:A:LEU:HD22	14	0.31	0.1	0.28
(1,4495)	1:89:A:MET:HA	1:81:B:LEU:HD13	14	0.31	0.1	0.28
(1,4495)	1:38:A:GLU:HA	1:34:A:LEU:HD21	14	0.31	0.1	0.28
(1,4496)	1:89:B:MET:HA	1:81:A:LEU:HD12	14	0.3	0.09	0.28
(1,4496)	1:89:B:MET:HA	1:81:A:LEU:HD11	14	0.3	0.09	0.28
(1,4496)	1:38:B:GLU:HA	1:34:B:LEU:HD22	14	0.3	0.09	0.28
(1,4496)	1:89:B:MET:HA	1:81:A:LEU:HD13	14	0.3	0.09	0.28
(1,4496)	1:38:B:GLU:HA	1:34:B:LEU:HD21	14	0.3	0.09	0.28

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4805)	1:18:A:ILE:HG22	1:14:A:ILE:HG23	14	0.3	0.21	0.23
(1,4805)	1:18:A:ILE:HG23	1:14:A:ILE:HG22	14	0.3	0.21	0.23
(1,4805)	1:18:A:ILE:HG21	1:14:A:ILE:HG22	14	0.3	0.21	0.23
(1,4805)	1:18:A:ILE:HG22	1:14:A:ILE:HG22	14	0.3	0.21	0.23
(1,4805)	1:18:A:ILE:HG23	1:14:A:ILE:HG23	14	0.3	0.21	0.23
(1,4805)	1:18:A:ILE:HG21	1:14:A:ILE:HG21	14	0.3	0.21	0.23
(1,4805)	1:18:A:ILE:HG23	1:14:A:ILE:HG21	14	0.3	0.21	0.23
(1,4829)	1:18:A:ILE:HG22	1:14:A:ILE:HG23	14	0.3	0.21	0.23
(1,4829)	1:18:A:ILE:HG23	1:14:A:ILE:HG22	14	0.3	0.21	0.23
(1,4829)	1:18:A:ILE:HG21	1:14:A:ILE:HG22	14	0.3	0.21	0.23
(1,4829)	1:18:A:ILE:HG22	1:14:A:ILE:HG22	14	0.3	0.21	0.23
(1,4829)	1:18:A:ILE:HG23	1:14:A:ILE:HG23	14	0.3	0.21	0.23
(1,4829)	1:18:A:ILE:HG21	1:14:A:ILE:HG21	14	0.3	0.21	0.23
(1,4829)	1:18:A:ILE:HG23	1:14:A:ILE:HG21	14	0.3	0.21	0.23
(1,5540)	1:10:B:THR:H	1:20:A:VAL:HG22	14	0.3	0.17	0.24
(1,5540)	1:10:B:THR:H	1:20:A:VAL:HG23	14	0.3	0.17	0.24
(1,5540)	1:10:B:THR:H	1:20:A:VAL:HG21	14	0.3	0.17	0.24
(1,4806)	1:18:B:ILE:HG22	1:14:B:ILE:HG23	14	0.3	0.21	0.23
(1,4806)	1:18:B:ILE:HG23	1:14:B:ILE:HG22	14	0.3	0.21	0.23
(1,4806)	1:18:B:ILE:HG21	1:14:B:ILE:HG22	14	0.3	0.21	0.23
(1,4806)	1:18:B:ILE:HG22	1:14:B:ILE:HG22	14	0.3	0.21	0.23
(1,4806)	1:18:B:ILE:HG23	1:14:B:ILE:HG23	14	0.3	0.21	0.23
(1,4806)	1:18:B:ILE:HG21	1:14:B:ILE:HG21	14	0.3	0.21	0.23
(1,4806)	1:18:B:ILE:HG23	1:14:B:ILE:HG21	14	0.3	0.21	0.23
(1,4830)	1:18:B:ILE:HG22	1:14:B:ILE:HG23	14	0.3	0.21	0.23
(1,4830)	1:18:B:ILE:HG23	1:14:B:ILE:HG22	14	0.3	0.21	0.23
(1,4830)	1:18:B:ILE:HG21	1:14:B:ILE:HG22	14	0.3	0.21	0.23
(1,4830)	1:18:B:ILE:HG22	1:14:B:ILE:HG22	14	0.3	0.21	0.23
(1,4830)	1:18:B:ILE:HG23	1:14:B:ILE:HG23	14	0.3	0.21	0.23
(1,4830)	1:18:B:ILE:HG21	1:14:B:ILE:HG21	14	0.3	0.21	0.23
(1,4830)	1:18:B:ILE:HG23	1:14:B:ILE:HG21	14	0.3	0.21	0.23
(1,5539)	1:10:A:THR:H	1:20:B:VAL:HG22	14	0.3	0.17	0.2
(1,5539)	1:10:A:THR:H	1:20:B:VAL:HG23	14	0.3	0.17	0.2
(1,5539)	1:10:A:THR:H	1:20:B:VAL:HG21	14	0.3	0.17	0.2
(1,844)	1:36:B:LYS:HB2	1:36:B:LYS:HE2	14	0.26	0.01	0.26
(1,843)	1:36:A:LYS:HB2	1:36:A:LYS:HE2	14	0.25	0.01	0.26
(1,4428)	1:83:B:LEU:HD11	1:87:B:LEU:H	14	0.25	0.08	0.24
(1,4428)	1:83:B:LEU:HD13	1:87:B:LEU:H	14	0.25	0.08	0.24
(1,4428)	1:83:B:LEU:HD12	1:87:B:LEU:H	14	0.25	0.08	0.24
(1,4620)	1:68:B:ASP:HB2	1:65:B:LYS:HA	14	0.23	0.07	0.2
(1,4620)	1:68:B:ASP:HB2	1:73:B:GLY:HA2	14	0.23	0.07	0.2
(1,4640)	1:88:B:ALA:HA	1:14:A:ILE:HG12	14	0.23	0.1	0.21

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4640)	1:48:B:ALA:HA	1:52:B:LYS:HB2	14	0.23	0.1	0.21
(1,4639)	1:88:A:ALA:HA	1:14:B:ILE:HG12	14	0.23	0.1	0.2
(1,4639)	1:48:A:ALA:HA	1:52:A:LYS:HB2	14	0.23	0.1	0.2
(1,4528)	1:49:B:ALA:HB1	1:47:B:LEU:HB2	14	0.2	0.07	0.18
(1,4528)	1:49:B:ALA:HB2	1:47:B:LEU:HB2	14	0.2	0.07	0.18
(1,4528)	1:49:B:ALA:HB3	1:47:B:LEU:HB2	14	0.2	0.07	0.18
(1,4527)	1:49:A:ALA:HB1	1:47:A:LEU:HB2	14	0.2	0.07	0.18
(1,4527)	1:49:A:ALA:HB2	1:47:A:LEU:HB2	14	0.2	0.07	0.18
(1,4527)	1:49:A:ALA:HB3	1:47:A:LEU:HB2	14	0.2	0.07	0.18
(1,2715)	1:22:A:GLN:H	1:18:A:ILE:HG21	14	0.19	0.07	0.18
(1,2715)	1:22:A:GLN:H	1:18:A:ILE:HG22	14	0.19	0.07	0.18
(1,2715)	1:22:A:GLN:H	1:18:A:ILE:HG23	14	0.19	0.07	0.18
(1,2716)	1:22:B:GLN:H	1:18:B:ILE:HG21	14	0.19	0.07	0.18
(1,2716)	1:22:B:GLN:H	1:18:B:ILE:HG22	14	0.19	0.07	0.18
(1,2716)	1:22:B:GLN:H	1:18:B:ILE:HG23	14	0.19	0.07	0.18
(1,4070)	1:18:B:ILE:H	1:18:B:ILE:HG21	14	0.16	0.02	0.16
(1,4070)	1:18:B:ILE:H	1:18:B:ILE:HG22	14	0.16	0.02	0.16
(1,4070)	1:18:B:ILE:H	1:18:B:ILE:HG23	14	0.16	0.02	0.16
(1,4069)	1:18:A:ILE:H	1:18:A:ILE:HG21	14	0.16	0.02	0.16
(1,4069)	1:18:A:ILE:H	1:18:A:ILE:HG22	14	0.16	0.02	0.16
(1,4069)	1:18:A:ILE:H	1:18:A:ILE:HG23	14	0.16	0.02	0.16
(1,4700)	1:60:B:LEU:HA	1:60:B:LEU:HG	14	0.15	0.02	0.16
(1,4699)	1:60:A:LEU:HA	1:60:A:LEU:HG	14	0.15	0.02	0.16
(1,1432)	1:17:B:LEU:H	1:17:B:LEU:HD13	14	0.14	0.03	0.15
(1,1432)	1:17:B:LEU:H	1:17:B:LEU:HD12	14	0.14	0.03	0.15
(1,1432)	1:17:B:LEU:H	1:17:B:LEU:HD11	14	0.14	0.03	0.15
(1,4698)	1:60:B:LEU:HA	1:60:B:LEU:HG	14	0.14	0.02	0.15
(1,4697)	1:60:A:LEU:HA	1:60:A:LEU:HG	14	0.14	0.02	0.15
(1,5785)	1:99:A:VAL:H	1:99:A:VAL:HA	14	0.13	0.02	0.13
(1,3427)	1:62:A:ARG:HD2	1:59:A:VAL:HG12	13	0.93	0.35	0.98
(1,3427)	1:62:A:ARG:HD2	1:59:A:VAL:HG13	13	0.93	0.35	0.98
(1,3427)	1:62:A:ARG:HD2	1:59:A:VAL:HG11	13	0.93	0.35	0.98
(1,3427)	1:12:A:ARG:HD2	1:10:A:THR:HG22	13	0.93	0.35	0.98
(1,3428)	1:62:B:ARG:HD2	1:59:B:VAL:HG12	13	0.93	0.35	0.98
(1,3428)	1:62:B:ARG:HD2	1:59:B:VAL:HG13	13	0.93	0.35	0.98
(1,3428)	1:62:B:ARG:HD2	1:59:B:VAL:HG11	13	0.93	0.35	0.98
(1,3428)	1:12:B:ARG:HD2	1:10:B:THR:HG22	13	0.93	0.35	0.98
(1,3392)	1:17:B:LEU:HD11	1:13:A:CYS:HA	13	0.52	0.11	0.51
(1,3392)	1:17:B:LEU:HD13	1:13:A:CYS:HA	13	0.52	0.11	0.51
(1,3392)	1:17:B:LEU:HD12	1:13:A:CYS:HA	13	0.52	0.11	0.51
(1,3391)	1:17:A:LEU:HD11	1:13:B:CYS:HA	13	0.52	0.11	0.53
(1,3391)	1:17:A:LEU:HD13	1:13:B:CYS:HA	13	0.52	0.11	0.53

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3391)	1:17:A:LEU:HD12	1:13:B:CYS:HA	13	0.52	0.11	0.53
(1,714)	1:16:B:SER:HB3	1:17:B:LEU:HD21	13	0.51	0.42	0.32
(1,714)	1:16:B:SER:HB3	1:17:B:LEU:HD22	13	0.51	0.42	0.32
(1,714)	1:16:B:SER:HB3	1:17:B:LEU:HD23	13	0.51	0.42	0.32
(1,713)	1:16:A:SER:HB3	1:17:A:LEU:HD21	13	0.51	0.42	0.31
(1,713)	1:16:A:SER:HB3	1:17:A:LEU:HD22	13	0.51	0.42	0.31
(1,713)	1:16:A:SER:HB3	1:17:A:LEU:HD23	13	0.51	0.42	0.31
(1,4347)	1:82:A:ASN:HB2	1:66:A:LYS:HE3	13	0.46	0.27	0.42
(1,4347)	1:82:A:ASN:HB2	1:80:A:PHE:HB3	13	0.46	0.27	0.42
(1,4348)	1:82:B:ASN:HB2	1:66:B:LYS:HE3	13	0.46	0.27	0.42
(1,4348)	1:82:B:ASN:HB2	1:80:B:PHE:HB3	13	0.46	0.27	0.42
(1,4903)	1:82:A:ASN:HB2	1:66:A:LYS:HE3	13	0.46	0.27	0.42
(1,4903)	1:82:A:ASN:HB2	1:80:A:PHE:HB3	13	0.46	0.27	0.42
(1,4904)	1:82:B:ASN:HB2	1:66:B:LYS:HE3	13	0.46	0.27	0.42
(1,4904)	1:82:B:ASN:HB2	1:80:B:PHE:HB3	13	0.46	0.27	0.42
(1,3691)	1:13:A:CYS:HB2	1:17:B:LEU:HB3	13	0.4	0.13	0.38
(1,3692)	1:13:B:CYS:HB2	1:17:A:LEU:HB3	13	0.4	0.13	0.35
(1,1943)	1:42:A:PHE:HA	1:27:A:LYS:HE3	13	0.38	0.18	0.32
(1,1943)	1:42:A:PHE:HA	1:27:A:LYS:HE2	13	0.38	0.18	0.32
(1,1944)	1:42:B:PHE:HA	1:27:B:LYS:HE3	13	0.38	0.18	0.31
(1,1944)	1:42:B:PHE:HA	1:27:B:LYS:HE2	13	0.38	0.18	0.31
(1,3583)	1:77:A:PHE:HB2	1:79:A:GLU:H	13	0.33	0.08	0.35
(1,3584)	1:77:B:PHE:HB2	1:79:B:GLU:H	13	0.33	0.08	0.35
(1,443)	1:15:A:GLU:HG3	1:91:B:CYS:HB3	13	0.3	0.12	0.3
(1,443)	1:15:A:GLU:HG3	1:91:B:CYS:HB2	13	0.3	0.12	0.3
(1,3540)	1:73:B:GLY:HA3	1:68:B:ASP:HB2	13	0.3	0.17	0.25
(1,3540)	1:73:B:GLY:HA3	1:65:B:LYS:HE2	13	0.3	0.17	0.25
(1,3539)	1:73:A:GLY:HA3	1:68:A:ASP:HB2	13	0.3	0.17	0.25
(1,3539)	1:73:A:GLY:HA3	1:65:A:LYS:HE2	13	0.3	0.17	0.25
(1,1329)	1:48:A:ALA:H	1:43:A:MET:HB3	13	0.3	0.17	0.17
(1,1330)	1:48:B:ALA:H	1:43:B:MET:HB3	13	0.3	0.17	0.18
(1,4862)	1:68:B:ASP:HA	1:33:B:THR:HG22	13	0.28	0.07	0.28
(1,4862)	1:68:B:ASP:HA	1:33:B:THR:HG21	13	0.28	0.07	0.28
(1,4862)	1:68:B:ASP:HA	1:33:B:THR:HG23	13	0.28	0.07	0.28
(1,4884)	1:68:B:ASP:HA	1:33:B:THR:HG22	13	0.28	0.07	0.28
(1,4884)	1:68:B:ASP:HA	1:33:B:THR:HG21	13	0.28	0.07	0.28
(1,4884)	1:68:B:ASP:HA	1:33:B:THR:HG23	13	0.28	0.07	0.28
(1,4861)	1:68:A:ASP:HA	1:33:A:THR:HG22	13	0.28	0.07	0.28
(1,4861)	1:68:A:ASP:HA	1:33:A:THR:HG21	13	0.28	0.07	0.28
(1,4861)	1:68:A:ASP:HA	1:33:A:THR:HG23	13	0.28	0.07	0.28
(1,4883)	1:68:A:ASP:HA	1:33:A:THR:HG22	13	0.28	0.07	0.28
(1,4883)	1:68:A:ASP:HA	1:33:A:THR:HG21	13	0.28	0.07	0.28

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4883)	1:68:A:ASP:HA	1:33:A:THR:HG23	13	0.28	0.07	0.28
(1,902)	1:40:B:LEU:HB3	1:37:B:THR:HG21	13	0.28	0.07	0.29
(1,902)	1:40:B:LEU:HB3	1:37:B:THR:HG22	13	0.28	0.07	0.29
(1,902)	1:40:B:LEU:HB3	1:37:B:THR:HG23	13	0.28	0.07	0.29
(1,901)	1:40:A:LEU:HB3	1:37:A:THR:HG21	13	0.28	0.07	0.29
(1,901)	1:40:A:LEU:HB3	1:37:A:THR:HG22	13	0.28	0.07	0.29
(1,901)	1:40:A:LEU:HB3	1:37:A:THR:HG23	13	0.28	0.07	0.29
(1,4059)	1:66:A:LYS:H	1:65:A:LYS:HG2	13	0.28	0.15	0.24
(1,4059)	1:97:A:LYS:HG3	1:98:A:ALA:H	13	0.28	0.15	0.24
(1,4059)	1:97:A:LYS:HG2	1:98:A:ALA:H	13	0.28	0.15	0.24
(1,4060)	1:66:B:LYS:H	1:65:B:LYS:HG2	13	0.28	0.15	0.24
(1,4060)	1:97:B:LYS:HG3	1:98:B:ALA:H	13	0.28	0.15	0.24
(1,4060)	1:97:B:LYS:HG2	1:98:B:ALA:H	13	0.28	0.15	0.24
(1,3902)	1:76:B:ASP:HA	1:34:B:LEU:HB2	13	0.27	0.12	0.27
(1,3902)	1:76:B:ASP:HA	1:75:B:LEU:HB2	13	0.27	0.12	0.27
(1,3902)	1:76:B:ASP:HA	1:77:B:PHE:HB3	13	0.27	0.12	0.27
(1,3901)	1:76:A:ASP:HA	1:34:A:LEU:HB2	13	0.27	0.12	0.27
(1,3901)	1:76:A:ASP:HA	1:75:A:LEU:HB2	13	0.27	0.12	0.27
(1,3901)	1:76:A:ASP:HA	1:77:A:PHE:HB3	13	0.27	0.12	0.27
(1,4644)	1:10:B:THR:HG22	1:20:A:VAL:HB	13	0.26	0.09	0.24
(1,4644)	1:10:B:THR:HG23	1:20:A:VAL:HB	13	0.26	0.09	0.24
(1,4644)	1:10:B:THR:HG21	1:20:A:VAL:HB	13	0.26	0.09	0.24
(1,4427)	1:83:A:LEU:HD11	1:87:A:LEU:H	13	0.26	0.07	0.26
(1,4427)	1:83:A:LEU:HD13	1:87:A:LEU:H	13	0.26	0.07	0.26
(1,4427)	1:83:A:LEU:HD12	1:87:A:LEU:H	13	0.26	0.07	0.26
(1,5061)	1:66:A:LYS:HG3	1:66:A:LYS:HA	13	0.24	0.09	0.19
(1,5061)	1:52:A:LYS:HG2	1:52:A:LYS:HA	13	0.24	0.09	0.19
(1,5061)	1:66:A:LYS:HG2	1:66:A:LYS:HA	13	0.24	0.09	0.19
(1,5062)	1:66:B:LYS:HG3	1:66:B:LYS:HA	13	0.24	0.09	0.19
(1,5062)	1:52:B:LYS:HG2	1:52:B:LYS:HA	13	0.24	0.09	0.19
(1,5062)	1:66:B:LYS:HG2	1:66:B:LYS:HA	13	0.24	0.09	0.19
(1,1377)	1:49:A:ALA:HB1	1:50:A:PHE:HB2	13	0.18	0.08	0.15
(1,1377)	1:49:A:ALA:HB3	1:50:A:PHE:HB2	13	0.18	0.08	0.15
(1,1377)	1:49:A:ALA:HB2	1:50:A:PHE:HB2	13	0.18	0.08	0.15
(1,1378)	1:49:B:ALA:HB1	1:50:B:PHE:HB2	13	0.18	0.08	0.14
(1,1378)	1:49:B:ALA:HB3	1:50:B:PHE:HB2	13	0.18	0.08	0.14
(1,1378)	1:49:B:ALA:HB2	1:50:B:PHE:HB2	13	0.18	0.08	0.14
(1,5490)	1:21:B:PHE:H	1:23:B:LYS:H	13	0.17	0.06	0.15
(1,1431)	1:17:A:LEU:H	1:17:A:LEU:HD13	13	0.15	0.03	0.15
(1,1431)	1:17:A:LEU:H	1:17:A:LEU:HD12	13	0.15	0.03	0.15
(1,1431)	1:17:A:LEU:H	1:17:A:LEU:HD11	13	0.15	0.03	0.15
(1,280)	1:17:B:LEU:HB2	1:21:B:PHE:H	13	0.13	0.02	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,279)	1:17:A:LEU:HB2	1:21:A:PHE:H	13	0.13	0.02	0.12
(1,2067)	1:13:A:CYS:HB2	1:13:B:CYS:HB2	12	2.83	0.07	2.82
(1,2068)	1:13:B:CYS:HB2	1:13:A:CYS:HB2	12	2.83	0.07	2.82
(1,743)	1:13:A:CYS:HB3	1:10:A:THR:HG22	12	1.07	0.06	1.07
(1,743)	1:13:A:CYS:HB3	1:10:A:THR:HG21	12	1.07	0.06	1.07
(1,743)	1:13:A:CYS:HB3	1:10:A:THR:HG23	12	1.07	0.06	1.07
(1,744)	1:13:B:CYS:HB3	1:10:B:THR:HG22	12	1.07	0.06	1.07
(1,744)	1:13:B:CYS:HB3	1:10:B:THR:HG21	12	1.07	0.06	1.07
(1,744)	1:13:B:CYS:HB3	1:10:B:THR:HG23	12	1.07	0.06	1.07
(1,1499)	1:18:A:ILE:HG22	1:22:A:GLN:HG3	12	0.61	0.11	0.64
(1,1499)	1:18:A:ILE:HG21	1:22:A:GLN:HG2	12	0.61	0.11	0.64
(1,1499)	1:18:A:ILE:HG23	1:22:A:GLN:HG2	12	0.61	0.11	0.64
(1,1499)	1:18:A:ILE:HG21	1:22:A:GLN:HG3	12	0.61	0.11	0.64
(1,1499)	1:18:A:ILE:HG23	1:22:A:GLN:HG3	12	0.61	0.11	0.64
(1,1500)	1:18:B:ILE:HG22	1:22:B:GLN:HG3	12	0.61	0.11	0.64
(1,1500)	1:18:B:ILE:HG21	1:22:B:GLN:HG2	12	0.61	0.11	0.64
(1,1500)	1:18:B:ILE:HG23	1:22:B:GLN:HG2	12	0.61	0.11	0.64
(1,1500)	1:18:B:ILE:HG21	1:22:B:GLN:HG3	12	0.61	0.11	0.64
(1,1500)	1:18:B:ILE:HG23	1:22:B:GLN:HG3	12	0.61	0.11	0.64
(1,4071)	1:97:A:LYS:HD2	1:94:A:SER:H	12	0.61	0.22	0.64
(1,4071)	1:66:A:LYS:H	1:66:A:LYS:HD3	12	0.61	0.22	0.64
(1,4071)	1:27:A:LYS:HD2	1:26:A:GLY:H	12	0.61	0.22	0.64
(1,4071)	1:27:A:LYS:HD3	1:38:A:GLU:H	12	0.61	0.22	0.64
(1,4072)	1:97:B:LYS:HD2	1:94:B:SER:H	12	0.6	0.21	0.64
(1,4072)	1:66:B:LYS:H	1:66:B:LYS:HD3	12	0.6	0.21	0.64
(1,4072)	1:27:B:LYS:HD2	1:26:B:GLY:H	12	0.6	0.21	0.64
(1,4072)	1:27:B:LYS:HD3	1:38:B:GLU:H	12	0.6	0.21	0.64
(1,4535)	1:64:A:MET:HG3	1:75:A:LEU:HD23	12	0.55	0.24	0.62
(1,4535)	1:64:A:MET:HG3	1:75:A:LEU:HD22	12	0.55	0.24	0.62
(1,4535)	1:64:A:MET:HG3	1:75:A:LEU:HD21	12	0.55	0.24	0.62
(1,934)	1:97:B:LYS:HA	1:97:B:LYS:HE3	12	0.51	0.18	0.5
(1,934)	1:97:B:LYS:HA	1:97:B:LYS:HE2	12	0.51	0.18	0.5
(1,933)	1:97:A:LYS:HA	1:97:A:LYS:HE3	12	0.51	0.18	0.5
(1,933)	1:97:A:LYS:HA	1:97:A:LYS:HE2	12	0.51	0.18	0.5
(1,949)	1:94:A:SER:HB2	1:91:A:CYS:HB2	12	0.48	0.23	0.54
(1,949)	1:94:A:SER:HB2	1:91:A:CYS:HB3	12	0.48	0.23	0.54
(1,949)	1:94:A:SER:HB3	1:91:A:CYS:HB2	12	0.48	0.23	0.54
(1,950)	1:94:B:SER:HB2	1:91:B:CYS:HB2	12	0.48	0.23	0.54
(1,950)	1:94:B:SER:HB2	1:91:B:CYS:HB3	12	0.48	0.23	0.54
(1,950)	1:94:B:SER:HB3	1:91:B:CYS:HB2	12	0.48	0.23	0.54
(1,301)	1:22:A:GLN:HB2	1:25:A:ALA:HB1	12	0.44	0.24	0.43
(1,301)	1:22:A:GLN:HB3	1:25:A:ALA:HB1	12	0.44	0.24	0.43

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,301)	1:22:A:GLN:HB3	1:25:A:ALA:HB2	12	0.44	0.24	0.43
(1,301)	1:22:A:GLN:HB3	1:25:A:ALA:HB3	12	0.44	0.24	0.43
(1,301)	1:22:A:GLN:HB2	1:25:A:ALA:HB2	12	0.44	0.24	0.43
(1,302)	1:22:B:GLN:HB2	1:25:B:ALA:HB1	12	0.44	0.23	0.42
(1,302)	1:22:B:GLN:HB3	1:25:B:ALA:HB1	12	0.44	0.23	0.42
(1,302)	1:22:B:GLN:HB3	1:25:B:ALA:HB2	12	0.44	0.23	0.42
(1,302)	1:22:B:GLN:HB3	1:25:B:ALA:HB3	12	0.44	0.23	0.42
(1,302)	1:22:B:GLN:HB2	1:25:B:ALA:HB2	12	0.44	0.23	0.42
(1,3793)	1:74:A:GLN:HA	1:64:A:MET:HG2	12	0.41	0.15	0.38
(1,3793)	1:74:A:GLN:HA	1:64:A:MET:HG3	12	0.41	0.15	0.38
(1,3794)	1:74:B:GLN:HA	1:64:B:MET:HG2	12	0.41	0.16	0.38
(1,3794)	1:74:B:GLN:HA	1:64:B:MET:HG3	12	0.41	0.16	0.38
(1,4149)	1:13:A:CYS:HB2	1:17:B:LEU:HG	12	0.39	0.14	0.36
(1,4150)	1:13:B:CYS:HB2	1:17:A:LEU:HG	12	0.39	0.14	0.38
(1,5280)	1:28:B:ASP:H	1:34:B:LEU:HD23	12	0.35	0.15	0.33
(1,5280)	1:28:B:ASP:H	1:34:B:LEU:HD22	12	0.35	0.15	0.33
(1,5280)	1:28:B:ASP:H	1:34:B:LEU:HD21	12	0.35	0.15	0.33
(1,5279)	1:28:A:ASP:H	1:34:A:LEU:HD23	12	0.35	0.15	0.33
(1,5279)	1:28:A:ASP:H	1:34:A:LEU:HD22	12	0.35	0.15	0.33
(1,5279)	1:28:A:ASP:H	1:34:A:LEU:HD21	12	0.35	0.15	0.33
(1,253)	1:57:A:PRO:HD3	1:59:A:VAL:HG12	12	0.35	0.11	0.37
(1,253)	1:57:A:PRO:HD3	1:59:A:VAL:HG11	12	0.35	0.11	0.37
(1,253)	1:57:A:PRO:HD3	1:59:A:VAL:HG13	12	0.35	0.11	0.37
(1,253)	1:57:A:PRO:HD2	1:59:A:VAL:HG11	12	0.35	0.11	0.37
(1,254)	1:57:B:PRO:HD3	1:59:B:VAL:HG12	12	0.35	0.11	0.37
(1,254)	1:57:B:PRO:HD3	1:59:B:VAL:HG11	12	0.35	0.11	0.37
(1,254)	1:57:B:PRO:HD3	1:59:B:VAL:HG13	12	0.35	0.11	0.37
(1,254)	1:57:B:PRO:HD2	1:59:B:VAL:HG11	12	0.35	0.11	0.37
(1,444)	1:15:B:GLU:HG3	1:91:A:CYS:HB3	12	0.32	0.11	0.32
(1,444)	1:15:B:GLU:HG3	1:91:A:CYS:HB2	12	0.32	0.11	0.32
(1,4160)	1:42:B:PHE:HB3	1:43:B:MET:HB2	12	0.31	0.23	0.24
(1,4160)	1:42:B:PHE:HB3	1:46:B:GLU:HB2	12	0.31	0.23	0.24
(1,4159)	1:42:A:PHE:HB3	1:43:A:MET:HB2	12	0.31	0.23	0.24
(1,4159)	1:42:A:PHE:HB3	1:46:A:GLU:HB2	12	0.31	0.23	0.24
(1,4233)	1:68:A:ASP:HB2	1:65:A:LYS:HD3	12	0.3	0.09	0.3
(1,4233)	1:68:A:ASP:HB2	1:65:A:LYS:HD2	12	0.3	0.09	0.3
(1,4045)	1:11:A:GLU:HB2	1:10:A:THR:HG21	12	0.3	0.14	0.3
(1,4045)	1:11:A:GLU:HB2	1:10:A:THR:HG22	12	0.3	0.14	0.3
(1,4045)	1:11:A:GLU:HB2	1:10:A:THR:HG23	12	0.3	0.14	0.3
(1,4234)	1:68:B:ASP:HB2	1:65:B:LYS:HD3	12	0.3	0.09	0.3
(1,4234)	1:68:B:ASP:HB2	1:65:B:LYS:HD2	12	0.3	0.09	0.3
(1,4643)	1:10:A:THR:HG22	1:20:B:VAL:HB	12	0.27	0.07	0.29

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4643)	1:10:A:THR:HG23	1:20:B:VAL:HB	12	0.27	0.07	0.29
(1,4643)	1:10:A:THR:HG21	1:20:B:VAL:HB	12	0.27	0.07	0.29
(1,4368)	1:44:B:ASN:HA	1:60:B:LEU:HD13	12	0.27	0.13	0.26
(1,4368)	1:44:B:ASN:HA	1:60:B:LEU:HD11	12	0.27	0.13	0.26
(1,4368)	1:44:B:ASN:HA	1:60:B:LEU:HD12	12	0.27	0.13	0.26
(1,4367)	1:44:A:ASN:HA	1:60:A:LEU:HD13	12	0.27	0.14	0.26
(1,4367)	1:44:A:ASN:HA	1:60:A:LEU:HD11	12	0.27	0.14	0.26
(1,4367)	1:44:A:ASN:HA	1:60:A:LEU:HD12	12	0.27	0.14	0.26
(1,1397)	1:68:A:ASP:HB3	1:75:A:LEU:HD23	12	0.23	0.13	0.19
(1,1397)	1:68:A:ASP:HB3	1:75:A:LEU:HD22	12	0.23	0.13	0.19
(1,1397)	1:68:A:ASP:HB3	1:75:A:LEU:HD21	12	0.23	0.13	0.19
(1,1398)	1:68:B:ASP:HB3	1:75:B:LEU:HD23	12	0.23	0.13	0.19
(1,1398)	1:68:B:ASP:HB3	1:75:B:LEU:HD22	12	0.23	0.13	0.19
(1,1398)	1:68:B:ASP:HB3	1:75:B:LEU:HD21	12	0.23	0.13	0.19
(2,122)	1:76:B:ASP:HB3	1:68:B:ASP:HA	12	0.23	0.21	0.15
(1,41)	1:81:A:LEU:HD23	1:88:B:ALA:HB3	12	0.23	0.11	0.2
(1,41)	1:81:A:LEU:HD21	1:88:B:ALA:HB1	12	0.23	0.11	0.2
(1,41)	1:81:A:LEU:HD21	1:88:B:ALA:HB2	12	0.23	0.11	0.2
(1,41)	1:81:A:LEU:HD22	1:88:B:ALA:HB3	12	0.23	0.11	0.2
(1,41)	1:81:A:LEU:HD23	1:88:B:ALA:HB1	12	0.23	0.11	0.2
(1,4589)	1:88:A:ALA:HB1	1:14:B:ILE:HA	12	0.19	0.04	0.18
(1,4589)	1:88:A:ALA:HB3	1:14:B:ILE:HA	12	0.19	0.04	0.18
(1,4589)	1:88:A:ALA:HB2	1:14:B:ILE:HA	12	0.19	0.04	0.18
(1,4590)	1:88:B:ALA:HB1	1:14:A:ILE:HA	12	0.19	0.05	0.2
(1,4590)	1:88:B:ALA:HB3	1:14:A:ILE:HA	12	0.19	0.05	0.2
(1,4590)	1:88:B:ALA:HB2	1:14:A:ILE:HA	12	0.19	0.05	0.2
(1,5489)	1:21:A:PHE:H	1:23:A:LYS:H	12	0.17	0.06	0.16
(1,5365)	1:92:A:HIS:H	1:89:A:MET:HG3	12	0.17	0.06	0.16
(1,5365)	1:92:A:HIS:H	1:15:B:GLU:HG2	12	0.17	0.06	0.16
(1,2626)	1:86:B:GLY:H	1:89:B:MET:HB2	12	0.17	0.03	0.16
(1,2625)	1:86:A:GLY:H	1:89:A:MET:HB2	12	0.16	0.03	0.16
(1,5492)	1:49:B:ALA:H	1:47:B:LEU:HG	12	0.15	0.03	0.16
(1,5491)	1:49:A:ALA:H	1:47:A:LEU:HG	12	0.15	0.03	0.15
(1,3572)	1:58:B:GLY:HA2	1:59:B:VAL:HG11	12	0.15	0.03	0.15
(1,3572)	1:58:B:GLY:HA2	1:59:B:VAL:HG12	12	0.15	0.03	0.15
(1,3572)	1:58:B:GLY:HA2	1:59:B:VAL:HG13	12	0.15	0.03	0.15
(2,57)	1:8:A:THR:HB	1:45:B:THR:HB	12	0.14	0.03	0.14
(1,3571)	1:58:A:GLY:HA2	1:59:A:VAL:HG11	12	0.14	0.03	0.14
(1,3571)	1:58:A:GLY:HA2	1:59:A:VAL:HG12	12	0.14	0.03	0.14
(1,3571)	1:58:A:GLY:HA2	1:59:A:VAL:HG13	12	0.14	0.03	0.14
(3,49)	1:92:A:HIS:N	1:88:A:ALA:O	12	0.12	0.02	0.12
(3,107)	1:92:B:HIS:N	1:88:B:ALA:O	12	0.12	0.02	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3537)	1:39:A:PHE:HB3	1:34:A:LEU:HA	11	1.22	0.12	1.17
(1,3537)	1:34:A:LEU:HA	1:80:A:PHE:HB2	11	1.22	0.12	1.17
(1,3538)	1:39:B:PHE:HB3	1:34:B:LEU:HA	11	1.22	0.12	1.17
(1,3538)	1:34:B:LEU:HA	1:80:B:PHE:HB2	11	1.22	0.12	1.17
(1,181)	1:39:A:PHE:HB3	1:34:A:LEU:HA	11	1.12	0.2	1.0
(1,182)	1:39:B:PHE:HB3	1:34:B:LEU:HA	11	1.12	0.2	1.0
(1,223)	1:34:A:LEU:HB2	1:39:A:PHE:HB3	11	1.1	0.16	1.06
(1,224)	1:34:B:LEU:HB2	1:39:B:PHE:HB3	11	1.1	0.16	1.06
(1,3756)	1:39:B:PHE:HB2	1:36:B:LYS:HD2	11	0.84	0.6	0.52
(1,3756)	1:39:B:PHE:HB2	1:43:B:MET:HB2	11	0.84	0.6	0.52
(1,3755)	1:39:A:PHE:HB2	1:36:A:LYS:HD2	11	0.84	0.6	0.52
(1,3755)	1:39:A:PHE:HB2	1:43:A:MET:HB2	11	0.84	0.6	0.52
(1,1209)	1:52:A:LYS:HE2	1:51:A:THR:HG23	11	0.68	0.31	0.67
(1,1209)	1:52:A:LYS:HE2	1:51:A:THR:HG21	11	0.68	0.31	0.67
(1,1209)	1:52:A:LYS:HE3	1:51:A:THR:HG23	11	0.68	0.31	0.67
(1,1209)	1:52:A:LYS:HE3	1:51:A:THR:HG21	11	0.68	0.31	0.67
(1,1209)	1:52:A:LYS:HE2	1:51:A:THR:HG22	11	0.68	0.31	0.67
(1,1209)	1:52:A:LYS:HE3	1:51:A:THR:HG22	11	0.68	0.31	0.67
(1,4536)	1:64:B:MET:HG3	1:75:B:LEU:HD23	11	0.59	0.2	0.66
(1,4536)	1:64:B:MET:HG3	1:75:B:LEU:HD22	11	0.59	0.2	0.66
(1,4536)	1:64:B:MET:HG3	1:75:B:LEU:HD21	11	0.59	0.2	0.66
(1,3524)	1:73:B:GLY:HA3	1:64:B:MET:HG3	11	0.55	0.3	0.4
(1,3524)	1:73:B:GLY:HA3	1:68:B:ASP:HB3	11	0.55	0.3	0.4
(1,3524)	1:73:B:GLY:HA3	1:64:B:MET:HG2	11	0.55	0.3	0.4
(1,3523)	1:73:A:GLY:HA3	1:64:A:MET:HG3	11	0.55	0.3	0.4
(1,3523)	1:73:A:GLY:HA3	1:68:A:ASP:HB3	11	0.55	0.3	0.4
(1,3523)	1:73:A:GLY:HA3	1:64:A:MET:HG2	11	0.55	0.3	0.4
(1,3632)	1:65:B:LYS:HG2	1:61:B:ASP:HB3	11	0.5	0.17	0.5
(1,3632)	1:97:B:LYS:HG3	1:93:B:ASP:HB3	11	0.5	0.17	0.5
(1,3632)	1:97:B:LYS:HG2	1:93:B:ASP:HB3	11	0.5	0.17	0.5
(1,3631)	1:65:A:LYS:HG2	1:61:A:ASP:HB3	11	0.5	0.17	0.5
(1,3631)	1:97:A:LYS:HG3	1:93:A:ASP:HB3	11	0.5	0.17	0.5
(1,3631)	1:97:A:LYS:HG2	1:93:A:ASP:HB3	11	0.5	0.17	0.5
(1,3620)	1:65:B:LYS:HG2	1:61:B:ASP:HB3	11	0.47	0.17	0.47
(1,3620)	1:97:B:LYS:HG3	1:93:B:ASP:HB3	11	0.47	0.17	0.47
(1,3620)	1:97:B:LYS:HG2	1:93:B:ASP:HB3	11	0.47	0.17	0.47
(1,3619)	1:65:A:LYS:HG2	1:61:A:ASP:HB3	11	0.47	0.17	0.47
(1,3619)	1:97:A:LYS:HG3	1:93:A:ASP:HB3	11	0.47	0.17	0.47
(1,3619)	1:97:A:LYS:HG2	1:93:A:ASP:HB3	11	0.47	0.17	0.47
(1,3517)	1:51:A:THR:HB	1:44:A:ASN:HB2	11	0.43	0.18	0.45
(1,3518)	1:51:B:THR:HB	1:44:B:ASN:HB2	11	0.43	0.18	0.45
(1,3412)	1:22:B:GLN:HG3	1:102:A:GLN:HG2	11	0.41	0.18	0.47

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3412)	1:22:B:GLN:HG2	1:102:A:GLN:HG3	11	0.41	0.18	0.47
(1,3412)	1:22:B:GLN:HG3	1:102:A:GLN:HG3	11	0.41	0.18	0.47
(1,3412)	1:22:B:GLN:HG3	1:100:A:PRO:HB2	11	0.41	0.18	0.47
(1,3412)	1:22:B:GLN:HG2	1:100:A:PRO:HB2	11	0.41	0.18	0.47
(1,3411)	1:22:A:GLN:HG3	1:102:B:GLN:HG2	11	0.4	0.17	0.46
(1,3411)	1:22:A:GLN:HG2	1:102:B:GLN:HG3	11	0.4	0.17	0.46
(1,3411)	1:22:A:GLN:HG3	1:102:B:GLN:HG3	11	0.4	0.17	0.46
(1,3411)	1:22:A:GLN:HG3	1:100:B:PRO:HB2	11	0.4	0.17	0.46
(1,3411)	1:22:A:GLN:HG2	1:100:B:PRO:HB2	11	0.4	0.17	0.46
(1,4319)	1:65:A:LYS:HD3	1:68:A:ASP:HA	11	0.35	0.12	0.36
(1,4319)	1:65:A:LYS:HD2	1:68:A:ASP:HA	11	0.35	0.12	0.36
(1,4565)	1:65:A:LYS:HD3	1:68:A:ASP:HA	11	0.35	0.12	0.36
(1,4565)	1:65:A:LYS:HD2	1:68:A:ASP:HA	11	0.35	0.12	0.36
(1,4577)	1:65:A:LYS:HD3	1:68:A:ASP:HA	11	0.35	0.12	0.36
(1,4577)	1:65:A:LYS:HD2	1:68:A:ASP:HA	11	0.35	0.12	0.36
(1,4320)	1:65:B:LYS:HD3	1:68:B:ASP:HA	11	0.35	0.12	0.36
(1,4320)	1:65:B:LYS:HD2	1:68:B:ASP:HA	11	0.35	0.12	0.36
(1,4566)	1:65:B:LYS:HD3	1:68:B:ASP:HA	11	0.35	0.12	0.36
(1,4566)	1:65:B:LYS:HD2	1:68:B:ASP:HA	11	0.35	0.12	0.36
(1,4578)	1:65:B:LYS:HD3	1:68:B:ASP:HA	11	0.35	0.12	0.36
(1,4578)	1:65:B:LYS:HD2	1:68:B:ASP:HA	11	0.35	0.12	0.36
(1,5312)	1:28:B:ASP:H	1:34:B:LEU:HD23	11	0.34	0.16	0.3
(1,5312)	1:28:B:ASP:H	1:34:B:LEU:HD22	11	0.34	0.16	0.3
(1,5312)	1:28:B:ASP:H	1:34:B:LEU:HD21	11	0.34	0.16	0.3
(1,5312)	1:16:B:SER:H	1:18:B:ILE:HG23	11	0.34	0.16	0.3
(1,5311)	1:28:A:ASP:H	1:34:A:LEU:HD23	11	0.34	0.16	0.3
(1,5311)	1:28:A:ASP:H	1:34:A:LEU:HD22	11	0.34	0.16	0.3
(1,5311)	1:28:A:ASP:H	1:34:A:LEU:HD21	11	0.34	0.16	0.3
(1,5311)	1:16:A:SER:H	1:18:A:ILE:HG23	11	0.34	0.16	0.3
(1,4046)	1:11:B:GLU:HB2	1:10:B:THR:HG21	11	0.32	0.13	0.34
(1,4046)	1:11:B:GLU:HB2	1:10:B:THR:HG22	11	0.32	0.13	0.34
(1,4046)	1:11:B:GLU:HB2	1:10:B:THR:HG23	11	0.32	0.13	0.34
(1,135)	1:89:A:MET:HG2	1:85:A:GLY:HA3	11	0.29	0.13	0.33
(1,136)	1:89:B:MET:HG2	1:85:B:GLY:HA3	11	0.29	0.13	0.33
(1,3819)	1:47:A:LEU:HD12	1:43:A:MET:H	11	0.29	0.14	0.23
(1,3819)	1:47:A:LEU:HD13	1:43:A:MET:H	11	0.29	0.14	0.23
(1,3819)	1:47:A:LEU:HD11	1:43:A:MET:H	11	0.29	0.14	0.23
(1,3820)	1:47:B:LEU:HD12	1:43:B:MET:H	11	0.29	0.14	0.23
(1,3820)	1:47:B:LEU:HD13	1:43:B:MET:H	11	0.29	0.14	0.23
(1,3820)	1:47:B:LEU:HD11	1:43:B:MET:H	11	0.29	0.14	0.23
(1,794)	1:93:B:ASP:HB3	1:96:B:LEU:HD21	11	0.28	0.04	0.29
(1,794)	1:93:B:ASP:HB3	1:96:B:LEU:HD22	11	0.28	0.04	0.29

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,794)	1:93:B:ASP:HB3	1:96:B:LEU:HD23	11	0.28	0.04	0.29
(1,793)	1:93:A:ASP:HB3	1:96:A:LEU:HD21	11	0.28	0.04	0.29
(1,793)	1:93:A:ASP:HB3	1:96:A:LEU:HD22	11	0.28	0.04	0.29
(1,793)	1:93:A:ASP:HB3	1:96:A:LEU:HD23	11	0.28	0.04	0.29
(1,364)	1:47:B:LEU:HD21	1:10:A:THR:H	11	0.27	0.11	0.23
(1,364)	1:47:B:LEU:HD22	1:10:A:THR:H	11	0.27	0.11	0.23
(1,364)	1:47:B:LEU:HD23	1:10:A:THR:H	11	0.27	0.11	0.23
(1,2592)	1:26:B:GLY:H	1:24:B:TYR:HB3	11	0.27	0.12	0.27
(1,363)	1:47:A:LEU:HD21	1:10:B:THR:H	11	0.27	0.11	0.27
(1,363)	1:47:A:LEU:HD22	1:10:B:THR:H	11	0.27	0.11	0.27
(1,363)	1:47:A:LEU:HD23	1:10:B:THR:H	11	0.27	0.11	0.27
(1,3875)	1:33:A:THR:HG21	1:79:A:GLU:H	11	0.25	0.13	0.26
(1,3875)	1:33:A:THR:HG23	1:79:A:GLU:H	11	0.25	0.13	0.26
(1,3875)	1:33:A:THR:HG22	1:79:A:GLU:H	11	0.25	0.13	0.26
(1,4469)	1:33:A:THR:HG21	1:79:A:GLU:H	11	0.25	0.13	0.26
(1,4469)	1:33:A:THR:HG23	1:79:A:GLU:H	11	0.25	0.13	0.26
(1,4469)	1:33:A:THR:HG22	1:79:A:GLU:H	11	0.25	0.13	0.26
(1,3905)	1:12:A:ARG:HG3	1:10:A:THR:HA	11	0.25	0.07	0.24
(1,3906)	1:12:B:ARG:HG3	1:10:B:THR:HA	11	0.25	0.07	0.24
(2,121)	1:76:A:ASP:HB3	1:68:A:ASP:HA	11	0.24	0.22	0.15
(1,42)	1:81:B:LEU:HD23	1:88:A:ALA:HB3	11	0.24	0.11	0.21
(1,42)	1:81:B:LEU:HD21	1:88:A:ALA:HB1	11	0.24	0.11	0.21
(1,42)	1:81:B:LEU:HD21	1:88:A:ALA:HB2	11	0.24	0.11	0.21
(1,42)	1:81:B:LEU:HD22	1:88:A:ALA:HB3	11	0.24	0.11	0.21
(1,42)	1:81:B:LEU:HD23	1:88:A:ALA:HB1	11	0.24	0.11	0.21
(1,4585)	1:63:A:MET:HG2	1:60:A:LEU:HD22	11	0.23	0.07	0.21
(1,4585)	1:63:A:MET:HG2	1:60:A:LEU:HD23	11	0.23	0.07	0.21
(1,4585)	1:63:A:MET:HG2	1:60:A:LEU:HD21	11	0.23	0.07	0.21
(1,4586)	1:63:B:MET:HG2	1:60:B:LEU:HD22	11	0.23	0.07	0.21
(1,4586)	1:63:B:MET:HG2	1:60:B:LEU:HD23	11	0.23	0.07	0.21
(1,4586)	1:63:B:MET:HG2	1:60:B:LEU:HD21	11	0.23	0.07	0.21
(1,953)	1:47:A:LEU:H	1:51:A:THR:HG22	11	0.23	0.07	0.21
(1,953)	1:47:A:LEU:H	1:51:A:THR:HG21	11	0.23	0.07	0.21
(1,953)	1:47:A:LEU:H	1:51:A:THR:HG23	11	0.23	0.07	0.21
(1,954)	1:47:B:LEU:H	1:51:B:THR:HG22	11	0.23	0.07	0.21
(1,954)	1:47:B:LEU:H	1:51:B:THR:HG21	11	0.23	0.07	0.21
(1,954)	1:47:B:LEU:H	1:51:B:THR:HG23	11	0.23	0.07	0.21
(1,3857)	1:47:A:LEU:HA	1:50:A:PHE:HA	11	0.22	0.07	0.24
(1,3857)	1:47:A:LEU:HA	1:44:A:ASN:HA	11	0.22	0.07	0.24
(1,3858)	1:47:B:LEU:HA	1:50:B:PHE:HA	11	0.22	0.07	0.24
(1,3858)	1:47:B:LEU:HA	1:44:B:ASN:HA	11	0.22	0.07	0.24
(1,3433)	1:42:A:PHE:HA	1:46:A:GLU:HA	11	0.19	0.07	0.17

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1684)	1:96:B:LEU:HD21	1:93:B:ASP:HA	11	0.18	0.02	0.18
(1,1684)	1:96:B:LEU:HD22	1:93:B:ASP:HA	11	0.18	0.02	0.18
(1,1684)	1:96:B:LEU:HD23	1:93:B:ASP:HA	11	0.18	0.02	0.18
(1,1683)	1:96:A:LEU:HD21	1:93:A:ASP:HA	11	0.17	0.02	0.18
(1,1683)	1:96:A:LEU:HD22	1:93:A:ASP:HA	11	0.17	0.02	0.18
(1,1683)	1:96:A:LEU:HD23	1:93:A:ASP:HA	11	0.17	0.02	0.18
(1,5366)	1:92:B:HIS:H	1:89:B:MET:HG3	11	0.17	0.06	0.17
(1,5366)	1:92:B:HIS:H	1:15:A:GLU:HG2	11	0.17	0.06	0.17
(1,382)	1:11:B:GLU:HG2	1:10:B:THR:H	11	0.15	0.1	0.12
(1,381)	1:11:A:GLU:HG2	1:10:A:THR:H	11	0.15	0.11	0.11
(1,3844)	1:17:B:LEU:HB3	1:18:B:ILE:HA	11	0.15	0.03	0.15
(1,3844)	1:17:B:LEU:HB3	1:14:B:ILE:HA	11	0.15	0.03	0.15
(1,3843)	1:17:A:LEU:HB3	1:18:A:ILE:HA	11	0.15	0.03	0.15
(1,3843)	1:17:A:LEU:HB3	1:14:A:ILE:HA	11	0.15	0.03	0.15
(2,58)	1:8:B:THR:HB	1:45:A:THR:HB	11	0.15	0.03	0.14
(1,5089)	1:52:A:LYS:HG3	1:52:A:LYS:HE3	11	0.12	0.01	0.12
(1,5089)	1:52:A:LYS:HG3	1:52:A:LYS:HE2	11	0.12	0.01	0.12
(1,5089)	1:52:A:LYS:HG2	1:52:A:LYS:HE3	11	0.12	0.01	0.12
(1,5089)	1:97:A:LYS:HG3	1:97:A:LYS:HE2	11	0.12	0.01	0.12
(1,5089)	1:52:A:LYS:HG2	1:52:A:LYS:HE2	11	0.12	0.01	0.12
(1,2298)	1:52:B:LYS:HA	1:52:B:LYS:HB3	11	0.12	0.02	0.12
(1,5092)	1:65:B:LYS:HG3	1:65:B:LYS:HB3	11	0.11	0.01	0.1
(1,5092)	1:65:B:LYS:HD2	1:65:B:LYS:HG3	11	0.11	0.01	0.1
(1,5092)	1:65:B:LYS:HG3	1:65:B:LYS:HB2	11	0.11	0.01	0.1
(1,5092)	1:65:B:LYS:HD3	1:65:B:LYS:HG2	11	0.11	0.01	0.1
(1,5092)	1:65:B:LYS:HD2	1:65:B:LYS:HG2	11	0.11	0.01	0.1
(1,4564)	1:98:B:ALA:HB1	1:97:B:LYS:HB2	10	0.81	0.12	0.8
(1,4564)	1:98:B:ALA:HB3	1:97:B:LYS:HB2	10	0.81	0.12	0.8
(1,4564)	1:98:B:ALA:HB2	1:97:B:LYS:HB2	10	0.81	0.12	0.8
(1,4564)	1:48:B:ALA:HB1	1:52:B:LYS:HD3	10	0.81	0.12	0.8
(1,4564)	1:48:B:ALA:HB1	1:52:B:LYS:HD2	10	0.81	0.12	0.8
(1,4563)	1:98:A:ALA:HB1	1:97:A:LYS:HB2	10	0.81	0.12	0.8
(1,4563)	1:98:A:ALA:HB3	1:97:A:LYS:HB2	10	0.81	0.12	0.8
(1,4563)	1:98:A:ALA:HB2	1:97:A:LYS:HB2	10	0.81	0.12	0.8
(1,4563)	1:48:A:ALA:HB1	1:52:A:LYS:HD3	10	0.81	0.12	0.8
(1,4563)	1:48:A:ALA:HB1	1:52:A:LYS:HD2	10	0.81	0.12	0.8
(1,715)	1:76:A:ASP:HA	1:77:A:PHE:HB2	10	0.79	0.55	0.8
(1,716)	1:76:B:ASP:HA	1:77:B:PHE:HB2	10	0.79	0.55	0.8
(1,1210)	1:52:B:LYS:HE2	1:51:B:THR:HG23	10	0.74	0.27	0.76
(1,1210)	1:52:B:LYS:HE2	1:51:B:THR:HG21	10	0.74	0.27	0.76
(1,1210)	1:52:B:LYS:HE3	1:51:B:THR:HG23	10	0.74	0.27	0.76
(1,1210)	1:52:B:LYS:HE3	1:51:B:THR:HG21	10	0.74	0.27	0.76

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1210)	1:52:B:LYS:HE2	1:51:B:THR:HG22	10	0.74	0.27	0.76
(1,1210)	1:52:B:LYS:HE3	1:51:B:THR:HG22	10	0.74	0.27	0.76
(1,4102)	1:36:B:LYS:HD2	1:65:B:LYS:H	10	0.65	0.24	0.6
(1,4102)	1:36:B:LYS:HD3	1:65:B:LYS:H	10	0.65	0.24	0.6
(1,4101)	1:36:A:LYS:HD2	1:65:A:LYS:H	10	0.65	0.24	0.6
(1,4101)	1:36:A:LYS:HD3	1:65:A:LYS:H	10	0.65	0.24	0.6
(1,687)	1:46:A:GLU:HG3	1:20:A:VAL:HG23	10	0.46	0.23	0.34
(1,687)	1:46:A:GLU:HG3	1:20:A:VAL:HG21	10	0.46	0.23	0.34
(1,687)	1:46:A:GLU:HG3	1:20:A:VAL:HG22	10	0.46	0.23	0.34
(1,688)	1:46:B:GLU:HG3	1:20:B:VAL:HG23	10	0.46	0.23	0.36
(1,688)	1:46:B:GLU:HG3	1:20:B:VAL:HG21	10	0.46	0.23	0.36
(1,688)	1:46:B:GLU:HG3	1:20:B:VAL:HG22	10	0.46	0.23	0.36
(1,484)	1:14:B:ILE:HB	1:10:B:THR:HG21	10	0.39	0.17	0.38
(1,484)	1:14:B:ILE:HB	1:10:B:THR:HG23	10	0.39	0.17	0.38
(1,484)	1:14:B:ILE:HB	1:10:B:THR:HG22	10	0.39	0.17	0.38
(1,483)	1:14:A:ILE:HB	1:10:A:THR:HG21	10	0.39	0.17	0.38
(1,483)	1:14:A:ILE:HB	1:10:A:THR:HG23	10	0.39	0.17	0.38
(1,483)	1:14:A:ILE:HB	1:10:A:THR:HG22	10	0.39	0.17	0.38
(1,3577)	1:51:A:THR:HB	1:44:A:ASN:HB3	10	0.35	0.15	0.33
(1,4715)	1:17:A:LEU:HD22	1:13:B:CYS:HB2	10	0.34	0.16	0.38
(1,4715)	1:17:A:LEU:HD23	1:13:B:CYS:HB2	10	0.34	0.16	0.38
(1,4715)	1:17:A:LEU:HD21	1:13:B:CYS:HB2	10	0.34	0.16	0.38
(1,4358)	1:48:B:ALA:HA	1:52:B:LYS:HB2	10	0.34	0.2	0.31
(1,4358)	1:48:B:ALA:HA	1:52:B:LYS:HD2	10	0.34	0.2	0.31
(1,4358)	1:48:B:ALA:HA	1:52:B:LYS:HD3	10	0.34	0.2	0.31
(1,4358)	1:18:B:ILE:HB	1:19:B:ALA:HA	10	0.34	0.2	0.31
(1,4357)	1:48:A:ALA:HA	1:52:A:LYS:HB2	10	0.34	0.2	0.31
(1,4357)	1:48:A:ALA:HA	1:52:A:LYS:HD2	10	0.34	0.2	0.31
(1,4357)	1:48:A:ALA:HA	1:52:A:LYS:HD3	10	0.34	0.2	0.31
(1,4357)	1:18:A:ILE:HB	1:19:A:ALA:HA	10	0.34	0.2	0.31
(1,2591)	1:26:A:GLY:H	1:24:A:TYR:HB3	10	0.29	0.12	0.27
(1,2725)	1:77:A:PHE:H	1:33:A:THR:HG23	10	0.28	0.1	0.25
(1,2725)	1:77:A:PHE:H	1:33:A:THR:HG21	10	0.28	0.1	0.25
(1,2725)	1:77:A:PHE:H	1:33:A:THR:HG22	10	0.28	0.1	0.25
(1,2726)	1:77:B:PHE:H	1:33:B:THR:HG23	10	0.28	0.1	0.24
(1,2726)	1:77:B:PHE:H	1:33:B:THR:HG21	10	0.28	0.1	0.24
(1,2726)	1:77:B:PHE:H	1:33:B:THR:HG22	10	0.28	0.1	0.24
(1,3876)	1:33:B:THR:HG21	1:79:B:GLU:H	10	0.27	0.13	0.27
(1,3876)	1:33:B:THR:HG23	1:79:B:GLU:H	10	0.27	0.13	0.27
(1,3876)	1:33:B:THR:HG22	1:79:B:GLU:H	10	0.27	0.13	0.27
(1,4470)	1:33:B:THR:HG21	1:79:B:GLU:H	10	0.27	0.13	0.27
(1,4470)	1:33:B:THR:HG23	1:79:B:GLU:H	10	0.27	0.13	0.27

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4470)	1:33:B:THR:HG22	1:79:B:GLU:H	10	0.27	0.13	0.27
(1,3707)	1:49:A:ALA:HB1	1:11:B:GLU:HG3	10	0.26	0.09	0.27
(1,3707)	1:49:A:ALA:HB2	1:11:B:GLU:HG3	10	0.26	0.09	0.27
(1,3707)	1:49:A:ALA:HB3	1:11:B:GLU:HG3	10	0.26	0.09	0.27
(1,3708)	1:49:B:ALA:HB1	1:11:A:GLU:HG3	10	0.26	0.1	0.26
(1,3708)	1:49:B:ALA:HB2	1:11:A:GLU:HG3	10	0.26	0.1	0.26
(1,3708)	1:49:B:ALA:HB3	1:11:A:GLU:HG3	10	0.26	0.1	0.26
(1,3603)	1:14:A:ILE:HB	1:13:A:CYS:HB3	10	0.25	0.12	0.22
(1,3603)	1:14:A:ILE:HB	1:91:B:CYS:HB2	10	0.25	0.12	0.22
(1,3603)	1:14:A:ILE:HB	1:91:B:CYS:HB3	10	0.25	0.12	0.22
(1,3747)	1:84:A:ILE:HB	1:85:A:GLY:HA2	10	0.23	0.04	0.22
(1,3748)	1:84:B:ILE:HB	1:85:B:GLY:HA2	10	0.23	0.04	0.22
(1,551)	1:42:A:PHE:HA	1:45:A:THR:HG21	10	0.22	0.09	0.2
(1,551)	1:42:A:PHE:HA	1:45:A:THR:HG22	10	0.22	0.09	0.2
(1,551)	1:42:A:PHE:HA	1:45:A:THR:HG23	10	0.22	0.09	0.2
(1,552)	1:42:B:PHE:HA	1:45:B:THR:HG21	10	0.22	0.09	0.2
(1,552)	1:42:B:PHE:HA	1:45:B:THR:HG22	10	0.22	0.09	0.2
(1,552)	1:42:B:PHE:HA	1:45:B:THR:HG23	10	0.22	0.09	0.2
(1,3434)	1:42:B:PHE:HA	1:46:B:GLU:HA	10	0.2	0.07	0.18
(1,4557)	1:63:A:MET:HG2	1:60:A:LEU:HD22	10	0.2	0.06	0.18
(1,4557)	1:63:A:MET:HG2	1:60:A:LEU:HD23	10	0.2	0.06	0.18
(1,4557)	1:63:A:MET:HG2	1:60:A:LEU:HD21	10	0.2	0.06	0.18
(1,4558)	1:63:B:MET:HG2	1:60:B:LEU:HD22	10	0.19	0.06	0.18
(1,4558)	1:63:B:MET:HG2	1:60:B:LEU:HD23	10	0.19	0.06	0.18
(1,4558)	1:63:B:MET:HG2	1:60:B:LEU:HD21	10	0.19	0.06	0.18
(1,2701)	1:74:A:GLN:H	1:33:A:THR:HG23	10	0.18	0.05	0.17
(1,2701)	1:74:A:GLN:H	1:33:A:THR:HG22	10	0.18	0.05	0.17
(1,2701)	1:74:A:GLN:H	1:33:A:THR:HG21	10	0.18	0.05	0.17
(1,689)	1:17:A:LEU:HG	1:81:A:LEU:HD23	10	0.17	0.05	0.16
(1,689)	1:17:A:LEU:HG	1:81:A:LEU:HD21	10	0.17	0.05	0.16
(1,689)	1:17:A:LEU:HG	1:81:A:LEU:HD22	10	0.17	0.05	0.16
(1,4649)	1:63:A:MET:HB2	1:67:A:LEU:HD11	10	0.16	0.05	0.16
(1,4649)	1:63:A:MET:HB2	1:67:A:LEU:HD12	10	0.16	0.05	0.16
(1,4649)	1:63:A:MET:HB2	1:67:A:LEU:HD13	10	0.16	0.05	0.16
(1,4650)	1:63:B:MET:HB2	1:67:B:LEU:HD11	10	0.16	0.05	0.16
(1,4650)	1:63:B:MET:HB2	1:67:B:LEU:HD12	10	0.16	0.05	0.16
(1,4650)	1:63:B:MET:HB2	1:67:B:LEU:HD13	10	0.16	0.05	0.16
(1,4005)	1:28:A:ASP:HA	1:27:A:LYS:HB2	10	0.16	0.04	0.16
(1,4006)	1:28:B:ASP:HA	1:27:B:LYS:HB2	10	0.16	0.04	0.16
(1,5556)	1:68:B:ASP:H	1:67:B:LEU:HB3	10	0.16	0.06	0.15
(1,3165)	1:82:A:ASN:H	1:82:A:ASN:HB3	10	0.13	0.01	0.13
(1,3166)	1:82:B:ASN:H	1:82:B:ASN:HB3	10	0.13	0.02	0.13

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2297)	1:52:A:LYS:HA	1:52:A:LYS:HB3	10	0.13	0.02	0.12
(1,5090)	1:52:B:LYS:HG3	1:52:B:LYS:HE3	10	0.12	0.01	0.12
(1,5090)	1:97:B:LYS:HG3	1:97:B:LYS:HE2	10	0.12	0.01	0.12
(1,5090)	1:52:B:LYS:HG3	1:52:B:LYS:HE2	10	0.12	0.01	0.12
(1,5090)	1:52:B:LYS:HG2	1:52:B:LYS:HE3	10	0.12	0.01	0.12
(1,5090)	1:52:B:LYS:HG2	1:52:B:LYS:HE2	10	0.12	0.01	0.12
(1,5091)	1:65:A:LYS:HG3	1:65:A:LYS:HB3	10	0.11	0.01	0.11
(1,5091)	1:65:A:LYS:HD2	1:65:A:LYS:HG3	10	0.11	0.01	0.11
(1,5091)	1:65:A:LYS:HG3	1:65:A:LYS:HB2	10	0.11	0.01	0.11
(1,5091)	1:65:A:LYS:HD3	1:65:A:LYS:HG2	10	0.11	0.01	0.11
(1,5091)	1:65:A:LYS:HD2	1:65:A:LYS:HG2	10	0.11	0.01	0.11
(1,3513)	1:40:A:LEU:HB2	1:39:A:PHE:HB3	9	1.17	0.23	1.11
(1,3514)	1:40:B:LEU:HB2	1:39:B:PHE:HB3	9	1.17	0.23	1.1
(1,4705)	1:64:A:MET:HG3	1:36:A:LYS:HE3	9	0.52	0.25	0.38
(1,4705)	1:65:A:LYS:HE3	1:68:A:ASP:HB3	9	0.52	0.25	0.38
(1,4705)	1:64:A:MET:HG2	1:65:A:LYS:HE3	9	0.52	0.25	0.38
(1,4705)	1:65:A:LYS:HE2	1:68:A:ASP:HB3	9	0.52	0.25	0.38
(1,4706)	1:64:B:MET:HG3	1:36:B:LYS:HE3	9	0.52	0.24	0.38
(1,4706)	1:65:B:LYS:HE3	1:68:B:ASP:HB3	9	0.52	0.24	0.38
(1,4706)	1:64:B:MET:HG2	1:65:B:LYS:HE3	9	0.52	0.24	0.38
(1,4706)	1:65:B:LYS:HE2	1:68:B:ASP:HB3	9	0.52	0.24	0.38
(1,4028)	1:99:B:VAL:HG23	1:102:B:GLN:H	9	0.46	0.16	0.47
(1,4028)	1:99:B:VAL:HG22	1:102:B:GLN:H	9	0.46	0.16	0.47
(1,4028)	1:99:B:VAL:HG21	1:102:B:GLN:H	9	0.46	0.16	0.47
(1,4027)	1:99:A:VAL:HG23	1:102:A:GLN:H	9	0.46	0.17	0.47
(1,4027)	1:99:A:VAL:HG22	1:102:A:GLN:H	9	0.46	0.17	0.47
(1,4027)	1:99:A:VAL:HG21	1:102:A:GLN:H	9	0.46	0.17	0.47
(1,1198)	1:97:B:LYS:HB3	1:97:B:LYS:HE3	9	0.4	0.18	0.38
(1,1198)	1:97:B:LYS:HB2	1:97:B:LYS:HE2	9	0.4	0.18	0.38
(1,1198)	1:97:B:LYS:HB3	1:97:B:LYS:HE2	9	0.4	0.18	0.38
(1,1198)	1:97:B:LYS:HB2	1:97:B:LYS:HE3	9	0.4	0.18	0.38
(1,1197)	1:97:A:LYS:HB3	1:97:A:LYS:HE3	9	0.4	0.18	0.38
(1,1197)	1:97:A:LYS:HB2	1:97:A:LYS:HE2	9	0.4	0.18	0.38
(1,1197)	1:97:A:LYS:HB3	1:97:A:LYS:HE2	9	0.4	0.18	0.38
(1,1197)	1:97:A:LYS:HB2	1:97:A:LYS:HE3	9	0.4	0.18	0.38
(1,3578)	1:51:B:THR:HB	1:44:B:ASN:HB3	9	0.38	0.13	0.34
(1,4716)	1:17:B:LEU:HD22	1:13:A:CYS:HB2	9	0.37	0.14	0.4
(1,4716)	1:17:B:LEU:HD23	1:13:A:CYS:HB2	9	0.37	0.14	0.4
(1,4716)	1:17:B:LEU:HD21	1:13:A:CYS:HB2	9	0.37	0.14	0.4
(1,3420)	1:11:B:GLU:HA	1:47:A:LEU:HA	9	0.34	0.1	0.37
(1,3419)	1:11:A:GLU:HA	1:47:B:LEU:HA	9	0.34	0.1	0.37
(1,3641)	1:44:A:ASN:HB2	1:40:A:LEU:HA	9	0.32	0.17	0.25

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3641)	1:21:A:PHE:HB2	1:22:A:GLN:HA	9	0.32	0.17	0.25
(1,3642)	1:44:B:ASN:HB2	1:40:B:LEU:HA	9	0.32	0.17	0.25
(1,3642)	1:21:B:PHE:HB2	1:22:B:GLN:HA	9	0.32	0.17	0.25
(1,3604)	1:14:B:ILE:HB	1:13:B:CYS:HB3	9	0.26	0.11	0.25
(1,3604)	1:14:B:ILE:HB	1:91:A:CYS:HB2	9	0.26	0.11	0.25
(1,3604)	1:14:B:ILE:HB	1:91:A:CYS:HB3	9	0.26	0.11	0.25
(1,2032)	1:40:B:LEU:HD12	1:36:B:LYS:HE2	9	0.26	0.09	0.3
(1,2032)	1:40:B:LEU:HD11	1:36:B:LYS:HE2	9	0.26	0.09	0.3
(1,2032)	1:40:B:LEU:HD13	1:36:B:LYS:HE2	9	0.26	0.09	0.3
(1,4923)	1:52:A:LYS:HG2	1:52:A:LYS:HA	9	0.26	0.06	0.26
(1,4923)	1:65:A:LYS:HG2	1:65:A:LYS:HA	9	0.26	0.06	0.26
(1,4924)	1:52:B:LYS:HG2	1:52:B:LYS:HA	9	0.26	0.06	0.26
(1,4924)	1:65:B:LYS:HG2	1:65:B:LYS:HA	9	0.26	0.06	0.26
(1,2031)	1:40:A:LEU:HD12	1:36:A:LYS:HE2	9	0.26	0.09	0.29
(1,2031)	1:40:A:LEU:HD11	1:36:A:LYS:HE2	9	0.26	0.09	0.29
(1,2031)	1:40:A:LEU:HD13	1:36:A:LYS:HE2	9	0.26	0.09	0.29
(1,4606)	1:75:B:LEU:HD11	1:83:B:LEU:HB2	9	0.23	0.1	0.2
(1,4606)	1:75:B:LEU:HD12	1:83:B:LEU:HB2	9	0.23	0.1	0.2
(1,4606)	1:64:B:MET:HG2	1:75:B:LEU:HD12	9	0.23	0.1	0.2
(1,4606)	1:75:B:LEU:HD13	1:83:B:LEU:HB2	9	0.23	0.1	0.2
(1,4552)	1:83:B:LEU:HD12	1:64:B:MET:H	9	0.22	0.09	0.19
(1,4552)	1:83:B:LEU:HD11	1:64:B:MET:H	9	0.22	0.09	0.19
(1,4552)	1:83:B:LEU:HD13	1:64:B:MET:H	9	0.22	0.09	0.19
(1,4551)	1:83:A:LEU:HD12	1:64:A:MET:H	9	0.22	0.09	0.18
(1,4551)	1:83:A:LEU:HD11	1:64:A:MET:H	9	0.22	0.09	0.18
(1,4551)	1:83:A:LEU:HD13	1:64:A:MET:H	9	0.22	0.09	0.18
(1,5623)	1:84:A:ILE:H	1:87:A:LEU:HD13	9	0.19	0.06	0.17
(1,5623)	1:84:A:ILE:H	1:87:A:LEU:HD11	9	0.19	0.06	0.17
(1,5623)	1:84:A:ILE:H	1:87:A:LEU:HD12	9	0.19	0.06	0.17
(1,4962)	1:15:B:GLU:HB2	1:12:B:ARG:HA	9	0.19	0.06	0.21
(1,4962)	1:27:B:LYS:HB2	1:27:B:LYS:HA	9	0.19	0.06	0.21
(1,5624)	1:84:B:ILE:H	1:87:B:LEU:HD13	9	0.19	0.06	0.17
(1,5624)	1:84:B:ILE:H	1:87:B:LEU:HD11	9	0.19	0.06	0.17
(1,5624)	1:84:B:ILE:H	1:87:B:LEU:HD12	9	0.19	0.06	0.17
(1,4961)	1:15:A:GLU:HB2	1:12:A:ARG:HA	9	0.19	0.06	0.21
(1,4961)	1:27:A:LYS:HB2	1:27:A:LYS:HA	9	0.19	0.06	0.21
(2,92)	1:44:B:ASN:HB3	1:47:B:LEU:H	9	0.19	0.05	0.18
(1,2702)	1:74:B:GLN:H	1:33:B:THR:HG23	9	0.19	0.05	0.18
(1,2702)	1:74:B:GLN:H	1:33:B:THR:HG22	9	0.19	0.05	0.18
(1,2702)	1:74:B:GLN:H	1:33:B:THR:HG21	9	0.19	0.05	0.18
(2,91)	1:44:A:ASN:HB3	1:47:A:LEU:H	9	0.19	0.05	0.18
(1,2886)	1:38:B:GLU:H	1:37:B:THR:HG23	9	0.19	0.06	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2886)	1:38:B:GLU:H	1:37:B:THR:HG22	9	0.19	0.06	0.18
(1,2886)	1:38:B:GLU:H	1:37:B:THR:HG21	9	0.19	0.06	0.18
(1,2885)	1:38:A:GLU:H	1:37:A:THR:HG23	9	0.18	0.06	0.17
(1,2885)	1:38:A:GLU:H	1:37:A:THR:HG22	9	0.18	0.06	0.17
(1,2885)	1:38:A:GLU:H	1:37:A:THR:HG21	9	0.18	0.06	0.17
(1,5341)	1:93:A:ASP:H	1:96:A:LEU:HD21	9	0.18	0.04	0.17
(1,5341)	1:93:A:ASP:H	1:96:A:LEU:HD22	9	0.18	0.04	0.17
(1,5341)	1:93:A:ASP:H	1:96:A:LEU:HD23	9	0.18	0.04	0.17
(1,5342)	1:93:B:ASP:H	1:96:B:LEU:HD21	9	0.18	0.04	0.17
(1,5342)	1:93:B:ASP:H	1:96:B:LEU:HD22	9	0.18	0.04	0.17
(1,5342)	1:93:B:ASP:H	1:96:B:LEU:HD23	9	0.18	0.04	0.17
(1,690)	1:17:B:LEU:HG	1:81:B:LEU:HD23	9	0.17	0.04	0.16
(1,690)	1:17:B:LEU:HG	1:81:B:LEU:HD21	9	0.17	0.04	0.16
(1,690)	1:17:B:LEU:HG	1:81:B:LEU:HD22	9	0.17	0.04	0.16
(1,1895)	1:19:A:ALA:HB1	1:9:B:GLU:HG2	9	0.17	0.06	0.13
(1,1895)	1:19:A:ALA:HB3	1:9:B:GLU:HG3	9	0.17	0.06	0.13
(1,1895)	1:19:A:ALA:HB3	1:9:B:GLU:HG2	9	0.17	0.06	0.13
(1,5555)	1:68:A:ASP:H	1:67:A:LEU:HB3	9	0.17	0.07	0.16
(2,31)	1:38:A:GLU:HA	1:34:A:LEU:HA	9	0.15	0.03	0.15
(2,32)	1:38:B:GLU:HA	1:34:B:LEU:HA	9	0.15	0.03	0.14
(2,28)	1:16:B:SER:HA	1:21:B:PHE:H	9	0.14	0.02	0.14
(2,27)	1:16:A:SER:HA	1:21:A:PHE:H	9	0.14	0.03	0.14
(1,1695)	1:75:A:LEU:HA	1:33:A:THR:HG22	9	0.14	0.02	0.14
(1,1695)	1:75:A:LEU:HA	1:33:A:THR:HG21	9	0.14	0.02	0.14
(1,1695)	1:75:A:LEU:HA	1:33:A:THR:HG23	9	0.14	0.02	0.14
(1,1696)	1:75:B:LEU:HA	1:33:B:THR:HG22	9	0.14	0.02	0.14
(1,1696)	1:75:B:LEU:HA	1:33:B:THR:HG21	9	0.14	0.02	0.14
(1,1696)	1:75:B:LEU:HA	1:33:B:THR:HG23	9	0.14	0.02	0.14
(1,5643)	1:38:A:GLU:H	1:38:A:GLU:HB3	9	0.11	0.01	0.11
(1,5644)	1:38:B:GLU:H	1:38:B:GLU:HB3	9	0.11	0.01	0.11
(1,947)	1:13:A:CYS:HB2	1:10:A:THR:HG22	8	1.07	0.06	1.1
(1,947)	1:13:A:CYS:HB2	1:10:A:THR:HG21	8	1.07	0.06	1.1
(1,947)	1:13:A:CYS:HB2	1:10:A:THR:HG23	8	1.07	0.06	1.1
(1,948)	1:13:B:CYS:HB2	1:10:B:THR:HG22	8	1.07	0.06	1.1
(1,948)	1:13:B:CYS:HB2	1:10:B:THR:HG21	8	1.07	0.06	1.1
(1,948)	1:13:B:CYS:HB2	1:10:B:THR:HG23	8	1.07	0.06	1.1
(1,3942)	1:13:B:CYS:HB2	1:9:B:GLU:HG3	8	0.66	0.18	0.68
(1,3942)	1:13:B:CYS:HB2	1:9:B:GLU:HG2	8	0.66	0.18	0.68
(1,3941)	1:13:A:CYS:HB2	1:9:A:GLU:HG3	8	0.66	0.18	0.68
(1,3941)	1:13:A:CYS:HB2	1:9:A:GLU:HG2	8	0.66	0.18	0.68
(1,3585)	1:11:A:GLU:HA	1:13:A:CYS:HB2	8	0.61	0.1	0.58
(1,3585)	1:11:A:GLU:HA	1:84:B:ILE:HA	8	0.61	0.1	0.58

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3586)	1:11:B:GLU:HA	1:13:B:CYS:HB2	8	0.61	0.09	0.58
(1,3586)	1:11:B:GLU:HA	1:84:A:ILE:HA	8	0.61	0.09	0.58
(1,1076)	1:7:B:PRO:HG2	1:12:B:ARG:HD3	8	0.58	0.34	0.53
(1,1075)	1:7:A:PRO:HG2	1:12:A:ARG:HD3	8	0.58	0.35	0.52
(1,321)	1:22:A:GLN:HG3	1:25:A:ALA:HB1	8	0.52	0.24	0.58
(1,321)	1:22:A:GLN:HG3	1:25:A:ALA:HB2	8	0.52	0.24	0.58
(1,321)	1:22:A:GLN:HG2	1:25:A:ALA:HB2	8	0.52	0.24	0.58
(1,321)	1:22:A:GLN:HG2	1:25:A:ALA:HB3	8	0.52	0.24	0.58
(1,321)	1:22:A:GLN:HG2	1:25:A:ALA:HB1	8	0.52	0.24	0.58
(1,322)	1:22:B:GLN:HG3	1:25:B:ALA:HB1	8	0.51	0.24	0.57
(1,322)	1:22:B:GLN:HG3	1:25:B:ALA:HB2	8	0.51	0.24	0.57
(1,322)	1:22:B:GLN:HG2	1:25:B:ALA:HB2	8	0.51	0.24	0.57
(1,322)	1:22:B:GLN:HG2	1:25:B:ALA:HB3	8	0.51	0.24	0.57
(1,322)	1:22:B:GLN:HG2	1:25:B:ALA:HB1	8	0.51	0.24	0.57
(1,388)	1:100:B:PRO:HD3	1:95:B:PHE:HB3	8	0.35	0.1	0.38
(1,387)	1:100:A:PRO:HD3	1:95:A:PHE:HB3	8	0.34	0.1	0.38
(1,345)	1:23:A:LYS:HA	1:25:A:ALA:HB2	8	0.29	0.11	0.32
(1,345)	1:23:A:LYS:HA	1:25:A:ALA:HB1	8	0.29	0.11	0.32
(1,345)	1:23:A:LYS:HA	1:25:A:ALA:HB3	8	0.29	0.11	0.32
(1,346)	1:23:B:LYS:HA	1:25:B:ALA:HB2	8	0.29	0.11	0.32
(1,346)	1:23:B:LYS:HA	1:25:B:ALA:HB1	8	0.29	0.11	0.32
(1,346)	1:23:B:LYS:HA	1:25:B:ALA:HB3	8	0.29	0.11	0.32
(1,674)	1:13:B:CYS:HB2	1:14:B:ILE:HG13	8	0.28	0.04	0.28
(1,673)	1:13:A:CYS:HB2	1:14:A:ILE:HG13	8	0.28	0.04	0.28
(1,4605)	1:75:A:LEU:HD11	1:83:A:LEU:HB2	8	0.24	0.1	0.2
(1,4605)	1:75:A:LEU:HD12	1:83:A:LEU:HB2	8	0.24	0.1	0.2
(1,4605)	1:64:A:MET:HG2	1:75:A:LEU:HD12	8	0.24	0.1	0.2
(1,4605)	1:75:A:LEU:HD13	1:83:A:LEU:HB2	8	0.24	0.1	0.2
(1,4325)	1:43:A:MET:H	1:60:A:LEU:HD12	8	0.23	0.13	0.17
(1,4325)	1:43:A:MET:H	1:60:A:LEU:HD11	8	0.23	0.13	0.17
(1,4325)	1:43:A:MET:H	1:60:A:LEU:HD13	8	0.23	0.13	0.17
(1,4326)	1:43:B:MET:H	1:60:B:LEU:HD12	8	0.23	0.13	0.17
(1,4326)	1:43:B:MET:H	1:60:B:LEU:HD11	8	0.23	0.13	0.17
(1,4326)	1:43:B:MET:H	1:60:B:LEU:HD13	8	0.23	0.13	0.17
(1,5034)	1:24:B:TYR:HA	1:27:B:LYS:HD2	8	0.18	0.09	0.15
(1,5033)	1:24:A:TYR:HA	1:27:A:LYS:HD2	8	0.18	0.09	0.15
(1,3460)	1:80:B:PHE:HA	1:75:B:LEU:HA	8	0.15	0.02	0.15
(1,3460)	1:75:B:LEU:HA	1:33:B:THR:HB	8	0.15	0.02	0.15
(1,3459)	1:80:A:PHE:HA	1:75:A:LEU:HA	8	0.15	0.02	0.14
(1,3459)	1:75:A:LEU:HA	1:33:A:THR:HB	8	0.15	0.02	0.14
(1,2162)	1:9:B:GLU:HA	1:9:B:GLU:HG3	8	0.14	0.03	0.12
(1,2161)	1:9:A:GLU:HA	1:9:A:GLU:HG3	8	0.13	0.03	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,191)	1:67:A:LEU:HB2	1:63:A:MET:HB2	8	0.12	0.01	0.12
(1,192)	1:67:B:LEU:HB2	1:63:B:MET:HB2	8	0.12	0.02	0.12
(1,3693)	1:12:A:ARG:HD2	1:10:A:THR:HG21	7	1.1	0.12	1.15
(1,3693)	1:62:A:ARG:HD3	1:59:A:VAL:HG12	7	1.1	0.12	1.15
(1,3693)	1:12:A:ARG:HD2	1:10:A:THR:HG22	7	1.1	0.12	1.15
(1,3693)	1:62:A:ARG:HD3	1:59:A:VAL:HG11	7	1.1	0.12	1.15
(1,3693)	1:12:A:ARG:HD2	1:10:A:THR:HG23	7	1.1	0.12	1.15
(1,3693)	1:62:A:ARG:HD3	1:59:A:VAL:HG13	7	1.1	0.12	1.15
(1,3694)	1:12:B:ARG:HD2	1:10:B:THR:HG21	7	1.1	0.12	1.15
(1,3694)	1:62:B:ARG:HD3	1:59:B:VAL:HG12	7	1.1	0.12	1.15
(1,3694)	1:12:B:ARG:HD2	1:10:B:THR:HG22	7	1.1	0.12	1.15
(1,3694)	1:62:B:ARG:HD3	1:59:B:VAL:HG11	7	1.1	0.12	1.15
(1,3694)	1:12:B:ARG:HD2	1:10:B:THR:HG23	7	1.1	0.12	1.15
(1,3694)	1:62:B:ARG:HD3	1:59:B:VAL:HG13	7	1.1	0.12	1.15
(1,3701)	1:52:A:LYS:HD2	1:44:A:ASN:HB3	7	0.92	0.75	0.8
(1,3701)	1:52:A:LYS:HD3	1:44:A:ASN:HB3	7	0.92	0.75	0.8
(1,3701)	1:97:A:LYS:HD3	1:93:A:ASP:HB3	7	0.92	0.75	0.8
(1,3701)	1:27:A:LYS:HD2	1:42:A:PHE:HB3	7	0.92	0.75	0.8
(1,3702)	1:52:B:LYS:HD2	1:44:B:ASN:HB3	7	0.92	0.74	0.81
(1,3702)	1:52:B:LYS:HD3	1:44:B:ASN:HB3	7	0.92	0.74	0.81
(1,3702)	1:97:B:LYS:HD3	1:93:B:ASP:HB3	7	0.92	0.74	0.81
(1,3702)	1:27:B:LYS:HD2	1:42:B:PHE:HB3	7	0.92	0.74	0.81
(1,3757)	1:40:A:LEU:HA	1:36:A:LYS:HE2	7	0.68	0.26	0.7
(1,3758)	1:40:B:LEU:HA	1:36:B:LYS:HE2	7	0.68	0.26	0.69
(1,5019)	1:69:A:THR:HG23	1:69:A:THR:HA	7	0.63	0.44	0.98
(1,5019)	1:20:A:VAL:HA	1:20:A:VAL:HG13	7	0.63	0.44	0.98
(1,5019)	1:69:A:THR:HG22	1:69:A:THR:HA	7	0.63	0.44	0.98
(1,5019)	1:69:A:THR:HG21	1:69:A:THR:HA	7	0.63	0.44	0.98
(1,5019)	1:20:A:VAL:HA	1:20:A:VAL:HG11	7	0.63	0.44	0.98
(1,5019)	1:20:A:VAL:HA	1:20:A:VAL:HG12	7	0.63	0.44	0.98
(1,5020)	1:69:B:THR:HG23	1:69:B:THR:HA	7	0.63	0.44	0.99
(1,5020)	1:20:B:VAL:HA	1:20:B:VAL:HG13	7	0.63	0.44	0.99
(1,5020)	1:69:B:THR:HG22	1:69:B:THR:HA	7	0.63	0.44	0.99
(1,5020)	1:69:B:THR:HG21	1:69:B:THR:HA	7	0.63	0.44	0.99
(1,5020)	1:20:B:VAL:HA	1:20:B:VAL:HG11	7	0.63	0.44	0.99
(1,5020)	1:20:B:VAL:HA	1:20:B:VAL:HG12	7	0.63	0.44	0.99
(1,432)	1:48:B:ALA:HB1	1:44:B:ASN:HB3	7	0.49	0.17	0.43
(1,432)	1:48:B:ALA:HB3	1:44:B:ASN:HB3	7	0.49	0.17	0.43
(1,431)	1:48:A:ALA:HB1	1:44:A:ASN:HB3	7	0.49	0.17	0.43
(1,431)	1:48:A:ALA:HB3	1:44:A:ASN:HB3	7	0.49	0.17	0.43
(1,3904)	1:57:B:PRO:HA	1:59:B:VAL:HA	7	0.49	0.21	0.53
(1,3903)	1:57:A:PRO:HA	1:59:A:VAL:HA	7	0.48	0.21	0.52

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4455)	1:57:A:PRO:HA	1:60:A:LEU:HD13	7	0.45	0.21	0.4
(1,4455)	1:57:A:PRO:HA	1:60:A:LEU:HD12	7	0.45	0.21	0.4
(1,1059)	1:16:A:SER:HB3	1:19:A:ALA:HB1	7	0.32	0.16	0.26
(1,1059)	1:16:A:SER:HB3	1:19:A:ALA:HB3	7	0.32	0.16	0.26
(1,1059)	1:16:A:SER:HB3	1:19:A:ALA:HB2	7	0.32	0.16	0.26
(1,1060)	1:16:B:SER:HB3	1:19:B:ALA:HB1	7	0.32	0.16	0.26
(1,1060)	1:16:B:SER:HB3	1:19:B:ALA:HB3	7	0.32	0.16	0.26
(1,1060)	1:16:B:SER:HB3	1:19:B:ALA:HB2	7	0.32	0.16	0.26
(1,4025)	1:60:A:LEU:HD13	1:44:A:ASN:HB2	7	0.3	0.18	0.26
(1,4025)	1:60:A:LEU:HD11	1:44:A:ASN:HB2	7	0.3	0.18	0.26
(1,4025)	1:60:A:LEU:HD12	1:44:A:ASN:HB2	7	0.3	0.18	0.26
(1,4026)	1:60:B:LEU:HD13	1:44:B:ASN:HB2	7	0.29	0.18	0.25
(1,4026)	1:60:B:LEU:HD11	1:44:B:ASN:HB2	7	0.29	0.18	0.25
(1,4026)	1:60:B:LEU:HD12	1:44:B:ASN:HB2	7	0.29	0.18	0.25
(1,960)	1:33:B:THR:HG21	1:74:B:GLN:HA	7	0.29	0.09	0.31
(1,960)	1:33:B:THR:HG22	1:74:B:GLN:HA	7	0.29	0.09	0.31
(1,959)	1:33:A:THR:HG21	1:74:A:GLN:HA	7	0.28	0.09	0.3
(1,959)	1:33:A:THR:HG22	1:74:A:GLN:HA	7	0.28	0.09	0.3
(1,4179)	1:66:A:LYS:HE2	1:63:A:MET:HB3	7	0.28	0.13	0.25
(1,4179)	1:66:A:LYS:HE3	1:63:A:MET:HB3	7	0.28	0.13	0.25
(1,4179)	1:65:A:LYS:HE2	1:68:A:ASP:HB3	7	0.28	0.13	0.25
(1,4180)	1:66:B:LYS:HE2	1:63:B:MET:HB3	7	0.27	0.13	0.24
(1,4180)	1:66:B:LYS:HE3	1:63:B:MET:HB3	7	0.27	0.13	0.24
(1,4180)	1:65:B:LYS:HE2	1:68:B:ASP:HB3	7	0.27	0.13	0.24
(1,395)	1:25:A:ALA:HB1	1:75:A:LEU:H	7	0.26	0.11	0.25
(1,395)	1:25:A:ALA:HB2	1:75:A:LEU:H	7	0.26	0.11	0.25
(1,395)	1:25:A:ALA:HB3	1:75:A:LEU:H	7	0.26	0.11	0.25
(1,396)	1:25:B:ALA:HB1	1:75:B:LEU:H	7	0.26	0.1	0.25
(1,396)	1:25:B:ALA:HB2	1:75:B:LEU:H	7	0.26	0.1	0.25
(1,396)	1:25:B:ALA:HB3	1:75:B:LEU:H	7	0.26	0.1	0.25
(1,3601)	1:64:A:MET:HB3	1:61:A:ASP:HB2	7	0.26	0.07	0.27
(1,3602)	1:64:B:MET:HB3	1:61:B:ASP:HB2	7	0.26	0.06	0.27
(1,5043)	1:87:A:LEU:HD12	1:83:A:LEU:HD22	7	0.24	0.08	0.2
(1,5043)	1:87:A:LEU:HD11	1:83:A:LEU:HD22	7	0.24	0.08	0.2
(1,5043)	1:87:A:LEU:HD13	1:83:A:LEU:HD22	7	0.24	0.08	0.2
(1,5043)	1:87:A:LEU:HD11	1:83:A:LEU:HD21	7	0.24	0.08	0.2
(1,5043)	1:87:A:LEU:HD11	1:83:A:LEU:HD23	7	0.24	0.08	0.2
(1,5043)	1:87:A:LEU:HD13	1:83:A:LEU:HD21	7	0.24	0.08	0.2
(1,5044)	1:87:B:LEU:HD12	1:83:B:LEU:HD22	7	0.24	0.08	0.2
(1,5044)	1:87:B:LEU:HD11	1:83:B:LEU:HD22	7	0.24	0.08	0.2
(1,5044)	1:87:B:LEU:HD13	1:83:B:LEU:HD22	7	0.24	0.08	0.2
(1,5044)	1:87:B:LEU:HD11	1:83:B:LEU:HD21	7	0.24	0.08	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,5044)	1:87:B:LEU:HD11	1:83:B:LEU:HD23	7	0.24	0.08	0.2
(1,5044)	1:87:B:LEU:HD13	1:83:B:LEU:HD21	7	0.24	0.08	0.2
(1,4943)	1:62:A:ARG:HG2	1:62:A:ARG:HD2	7	0.21	0.0	0.21
(1,4944)	1:62:B:ARG:HG2	1:62:B:ARG:HD2	7	0.21	0.0	0.21
(1,1896)	1:19:B:ALA:HB1	1:9:A:GLU:HG2	7	0.18	0.06	0.2
(1,1896)	1:19:B:ALA:HB3	1:9:A:GLU:HG3	7	0.18	0.06	0.2
(1,1896)	1:19:B:ALA:HB3	1:9:A:GLU:HG2	7	0.18	0.06	0.2
(1,1896)	1:19:B:ALA:HB1	1:9:A:GLU:HG3	7	0.18	0.06	0.2
(1,4268)	1:13:B:CYS:HB2	1:14:B:ILE:HB	7	0.17	0.03	0.16
(1,4268)	1:13:B:CYS:HB2	1:12:B:ARG:HB2	7	0.17	0.03	0.16
(1,4267)	1:13:A:CYS:HB2	1:14:A:ILE:HB	7	0.17	0.03	0.16
(1,4267)	1:13:A:CYS:HB2	1:12:A:ARG:HB2	7	0.17	0.03	0.16
(1,1158)	1:23:B:LYS:HD3	1:20:B:VAL:HB	7	0.16	0.04	0.17
(1,1157)	1:23:A:LYS:HD3	1:20:A:VAL:HB	7	0.16	0.04	0.18
(1,4343)	1:83:A:LEU:HD12	1:87:A:LEU:H	7	0.16	0.05	0.14
(1,4343)	1:83:A:LEU:HD11	1:87:A:LEU:H	7	0.16	0.05	0.14
(1,4343)	1:83:A:LEU:HD13	1:87:A:LEU:H	7	0.16	0.05	0.14
(1,4344)	1:83:B:LEU:HD12	1:87:B:LEU:H	7	0.16	0.05	0.14
(1,4344)	1:83:B:LEU:HD11	1:87:B:LEU:H	7	0.16	0.05	0.14
(1,4344)	1:83:B:LEU:HD13	1:87:B:LEU:H	7	0.16	0.05	0.14
(1,3856)	1:44:B:ASN:HA	1:43:B:MET:HA	7	0.15	0.04	0.14
(1,3855)	1:44:A:ASN:HA	1:43:A:MET:HA	7	0.15	0.04	0.13
(1,627)	1:89:A:MET:HG2	1:81:B:LEU:HG	7	0.13	0.02	0.13
(1,2655)	1:8:A:THR:H	1:11:A:GLU:HA	7	0.13	0.02	0.12
(1,2656)	1:8:B:THR:H	1:11:B:GLU:HA	7	0.13	0.02	0.12
(1,3448)	1:35:B:SER:HA	1:28:B:ASP:HB3	6	0.84	0.59	0.78
(1,3447)	1:35:A:SER:HA	1:28:A:ASP:HB3	6	0.83	0.59	0.78
(1,251)	1:76:A:ASP:HB2	1:77:A:PHE:HB2	6	0.74	0.53	0.48
(1,252)	1:76:B:ASP:HB2	1:77:B:PHE:HB2	6	0.74	0.53	0.48
(1,4378)	1:21:B:PHE:HB2	1:20:B:VAL:HG21	6	0.66	0.15	0.72
(1,4378)	1:20:B:VAL:HG22	1:42:B:PHE:HA	6	0.66	0.15	0.72
(1,4378)	1:20:B:VAL:HG23	1:42:B:PHE:HA	6	0.66	0.15	0.72
(1,4378)	1:21:B:PHE:HB2	1:20:B:VAL:HG23	6	0.66	0.15	0.72
(1,4378)	1:20:B:VAL:HG21	1:42:B:PHE:HA	6	0.66	0.15	0.72
(1,4377)	1:21:A:PHE:HB2	1:20:A:VAL:HG21	6	0.66	0.15	0.72
(1,4377)	1:20:A:VAL:HG22	1:42:A:PHE:HA	6	0.66	0.15	0.72
(1,4377)	1:20:A:VAL:HG23	1:42:A:PHE:HA	6	0.66	0.15	0.72
(1,4377)	1:21:A:PHE:HB2	1:20:A:VAL:HG23	6	0.66	0.15	0.72
(1,4377)	1:20:A:VAL:HG21	1:42:A:PHE:HA	6	0.66	0.15	0.72
(1,4456)	1:57:B:PRO:HA	1:60:B:LEU:HD13	6	0.51	0.17	0.48
(1,4456)	1:57:B:PRO:HA	1:60:B:LEU:HD12	6	0.51	0.17	0.48
(1,5265)	1:8:A:THR:H	1:47:B:LEU:HD21	6	0.34	0.16	0.32

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,5265)	1:8:A:THR:H	1:47:B:LEU:HD23	6	0.34	0.16	0.32
(1,5265)	1:8:A:THR:H	1:47:B:LEU:HD22	6	0.34	0.16	0.32
(1,5266)	1:8:B:THR:H	1:47:A:LEU:HD21	6	0.34	0.17	0.32
(1,5266)	1:8:B:THR:H	1:47:A:LEU:HD23	6	0.34	0.17	0.32
(1,5266)	1:8:B:THR:H	1:47:A:LEU:HD22	6	0.34	0.17	0.32
(1,5203)	1:75:A:LEU:H	1:64:A:MET:HG2	6	0.34	0.14	0.35
(1,5203)	1:75:A:LEU:H	1:64:A:MET:HG3	6	0.34	0.14	0.35
(1,5204)	1:75:B:LEU:H	1:64:B:MET:HG2	6	0.34	0.14	0.34
(1,5204)	1:75:B:LEU:H	1:64:B:MET:HG3	6	0.34	0.14	0.34
(1,3528)	1:34:B:LEU:HB3	1:24:B:TYR:HB3	6	0.32	0.08	0.34
(1,3527)	1:34:A:LEU:HB3	1:24:A:TYR:HB3	6	0.32	0.08	0.34
(1,4017)	1:60:A:LEU:HD11	1:44:A:ASN:HB2	6	0.31	0.18	0.24
(1,4017)	1:60:A:LEU:HD13	1:44:A:ASN:HB2	6	0.31	0.18	0.24
(1,4017)	1:60:A:LEU:HD12	1:44:A:ASN:HB2	6	0.31	0.18	0.24
(1,4018)	1:60:B:LEU:HD11	1:44:B:ASN:HB2	6	0.31	0.18	0.24
(1,4018)	1:60:B:LEU:HD13	1:44:B:ASN:HB2	6	0.31	0.18	0.24
(1,4018)	1:60:B:LEU:HD12	1:44:B:ASN:HB2	6	0.31	0.18	0.24
(1,3981)	1:94:A:SER:HA	1:97:A:LYS:HE2	6	0.26	0.23	0.18
(1,3981)	1:94:A:SER:HA	1:91:A:CYS:HB2	6	0.26	0.23	0.18
(1,3981)	1:94:A:SER:HA	1:97:A:LYS:HE3	6	0.26	0.23	0.18
(1,3982)	1:94:B:SER:HA	1:97:B:LYS:HE2	6	0.26	0.23	0.17
(1,3982)	1:94:B:SER:HA	1:91:B:CYS:HB2	6	0.26	0.23	0.17
(1,3982)	1:94:B:SER:HA	1:97:B:LYS:HE3	6	0.26	0.23	0.17
(1,2279)	1:12:A:ARG:HB2	1:12:A:ARG:HD3	6	0.26	0.07	0.28
(1,2280)	1:12:B:ARG:HB2	1:12:B:ARG:HD3	6	0.26	0.07	0.28
(1,1799)	1:66:A:LYS:HE2	1:63:A:MET:HG3	6	0.25	0.2	0.16
(1,1799)	1:66:A:LYS:HE3	1:63:A:MET:HG3	6	0.25	0.2	0.16
(1,1800)	1:66:B:LYS:HE2	1:63:B:MET:HG3	6	0.24	0.2	0.16
(1,1800)	1:66:B:LYS:HE3	1:63:B:MET:HG3	6	0.24	0.2	0.16
(1,5569)	1:44:A:ASN:H	1:60:A:LEU:HD11	6	0.23	0.1	0.24
(1,5569)	1:44:A:ASN:H	1:60:A:LEU:HD12	6	0.23	0.1	0.24
(1,5569)	1:44:A:ASN:H	1:60:A:LEU:HD13	6	0.23	0.1	0.24
(1,5570)	1:44:B:ASN:H	1:60:B:LEU:HD11	6	0.23	0.09	0.24
(1,5570)	1:44:B:ASN:H	1:60:B:LEU:HD12	6	0.23	0.09	0.24
(1,5570)	1:44:B:ASN:H	1:60:B:LEU:HD13	6	0.23	0.09	0.24
(1,5694)	1:102:B:GLN:H	1:101:B:SER:HA	6	0.19	0.04	0.2
(1,5694)	1:102:B:GLN:H	1:100:B:PRO:HA	6	0.19	0.04	0.2
(1,1134)	1:33:B:THR:HB	1:74:B:GLN:HG3	6	0.19	0.05	0.18
(1,1134)	1:33:B:THR:HB	1:74:B:GLN:HG2	6	0.19	0.05	0.18
(1,5693)	1:102:A:GLN:H	1:101:A:SER:HA	6	0.19	0.04	0.18
(1,5693)	1:102:A:GLN:H	1:100:A:PRO:HA	6	0.19	0.04	0.18
(1,1133)	1:33:A:THR:HB	1:74:A:GLN:HG3	6	0.18	0.05	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1133)	1:33:A:THR:HB	1:74:A:GLN:HG2	6	0.18	0.05	0.18
(2,179)	1:13:A:CYS:H	1:11:A:GLU:HG2	6	0.18	0.14	0.12
(1,5761)	1:13:A:CYS:H	1:17:A:LEU:H	6	0.17	0.04	0.16
(1,5762)	1:13:B:CYS:H	1:17:B:LEU:H	6	0.17	0.04	0.16
(1,2021)	1:36:A:LYS:HG3	1:36:A:LYS:HA	6	0.16	0.02	0.16
(1,2022)	1:36:B:LYS:HG3	1:36:B:LYS:HA	6	0.16	0.02	0.16
(1,1751)	1:64:A:MET:HA	1:67:A:LEU:HD12	6	0.15	0.02	0.15
(1,1751)	1:64:A:MET:HA	1:67:A:LEU:HD13	6	0.15	0.02	0.15
(1,1751)	1:64:A:MET:HA	1:67:A:LEU:HD11	6	0.15	0.02	0.15
(1,1752)	1:64:B:MET:HA	1:67:B:LEU:HD12	6	0.15	0.02	0.15
(1,1752)	1:64:B:MET:HA	1:67:B:LEU:HD13	6	0.15	0.02	0.15
(1,1752)	1:64:B:MET:HA	1:67:B:LEU:HD11	6	0.15	0.02	0.15
(1,3439)	1:14:A:ILE:HB	1:13:A:CYS:HA	6	0.15	0.03	0.14
(1,5601)	1:84:A:ILE:H	1:87:A:LEU:HD13	6	0.15	0.05	0.13
(1,5601)	1:84:A:ILE:H	1:87:A:LEU:HD11	6	0.15	0.05	0.13
(1,5601)	1:84:A:ILE:H	1:87:A:LEU:HD12	6	0.15	0.05	0.13
(1,5602)	1:84:B:ILE:H	1:87:B:LEU:HD13	6	0.15	0.05	0.13
(1,5602)	1:84:B:ILE:H	1:87:B:LEU:HD11	6	0.15	0.05	0.13
(1,5602)	1:84:B:ILE:H	1:87:B:LEU:HD12	6	0.15	0.05	0.13
(1,3440)	1:14:B:ILE:HB	1:13:B:CYS:HA	6	0.14	0.03	0.14
(1,628)	1:89:B:MET:HG2	1:81:A:LEU:HG	6	0.14	0.02	0.14
(1,940)	1:35:B:SER:HA	1:34:B:LEU:HA	6	0.11	0.01	0.11
(1,939)	1:35:A:SER:HA	1:34:A:LEU:HA	6	0.11	0.01	0.11
(1,607)	1:77:A:PHE:HB3	1:89:B:MET:HG3	5	1.76	0.07	1.79
(1,608)	1:77:B:PHE:HB3	1:89:A:MET:HG3	5	1.76	0.08	1.79
(1,105)	1:102:A:GLN:HG3	1:22:B:GLN:HB3	5	0.77	0.2	0.74
(1,105)	1:102:A:GLN:HG2	1:22:B:GLN:HB3	5	0.77	0.2	0.74
(1,106)	1:102:B:GLN:HG3	1:22:A:GLN:HB3	5	0.77	0.2	0.72
(1,106)	1:102:B:GLN:HG2	1:22:A:GLN:HB3	5	0.77	0.2	0.72
(1,188)	1:42:B:PHE:HA	1:34:B:LEU:HD23	5	0.54	0.21	0.51
(1,188)	1:42:B:PHE:HA	1:34:B:LEU:HD22	5	0.54	0.21	0.51
(1,187)	1:42:A:PHE:HA	1:34:A:LEU:HD23	5	0.54	0.21	0.51
(1,187)	1:42:A:PHE:HA	1:34:A:LEU:HD22	5	0.54	0.21	0.51
(1,3470)	1:75:B:LEU:HA	1:79:B:GLU:HA	5	0.44	0.14	0.47
(1,3469)	1:75:A:LEU:HA	1:79:A:GLU:HA	5	0.44	0.14	0.46
(1,81)	1:22:A:GLN:HB2	1:100:B:PRO:HB2	5	0.43	0.2	0.44
(1,81)	1:22:A:GLN:HB3	1:100:B:PRO:HB2	5	0.43	0.2	0.44
(1,82)	1:22:B:GLN:HB2	1:100:A:PRO:HB2	5	0.43	0.2	0.44
(1,82)	1:22:B:GLN:HB3	1:100:A:PRO:HB2	5	0.43	0.2	0.44
(1,3409)	1:100:A:PRO:HB2	1:22:B:GLN:HB2	5	0.43	0.2	0.44
(1,3409)	1:100:A:PRO:HB2	1:22:B:GLN:HB3	5	0.43	0.2	0.44
(1,3410)	1:100:B:PRO:HB2	1:22:A:GLN:HB2	5	0.43	0.2	0.44

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3410)	1:100:B:PRO:HB2	1:22:A:GLN:HB3	5	0.43	0.2	0.44
(2,8)	1:89:B:MET:HG3	1:77:A:PHE:HB3	5	0.42	0.07	0.44
(2,7)	1:89:A:MET:HG3	1:77:B:PHE:HB3	5	0.41	0.08	0.44
(1,4305)	1:34:A:LEU:HD12	1:39:A:PHE:HA	5	0.4	0.17	0.43
(1,4305)	1:34:A:LEU:HD13	1:39:A:PHE:HA	5	0.4	0.17	0.43
(1,4305)	1:34:A:LEU:HD11	1:39:A:PHE:HA	5	0.4	0.17	0.43
(1,4306)	1:34:B:LEU:HD12	1:39:B:PHE:HA	5	0.4	0.17	0.43
(1,4306)	1:34:B:LEU:HD13	1:39:B:PHE:HA	5	0.4	0.17	0.43
(1,4306)	1:34:B:LEU:HD11	1:39:B:PHE:HA	5	0.4	0.17	0.43
(1,4546)	1:23:B:LYS:HE3	1:46:B:GLU:HG3	5	0.4	0.11	0.42
(1,4546)	1:23:B:LYS:HE2	1:46:B:GLU:HG3	5	0.4	0.11	0.42
(1,4546)	1:23:B:LYS:HE2	1:9:A:GLU:HB3	5	0.4	0.11	0.42
(1,4545)	1:23:A:LYS:HE3	1:46:A:GLU:HG3	5	0.39	0.11	0.41
(1,4545)	1:23:A:LYS:HE2	1:46:A:GLU:HG3	5	0.39	0.11	0.41
(1,4545)	1:23:A:LYS:HE2	1:9:B:GLU:HB3	5	0.39	0.11	0.41
(1,5512)	1:42:B:PHE:H	1:46:B:GLU:HB2	5	0.38	0.24	0.35
(1,5512)	1:42:B:PHE:H	1:27:B:LYS:HD2	5	0.38	0.24	0.35
(1,5511)	1:42:A:PHE:H	1:46:A:GLU:HB2	5	0.38	0.24	0.34
(1,5511)	1:42:A:PHE:H	1:27:A:LYS:HD2	5	0.38	0.24	0.34
(1,3853)	1:79:A:GLU:HA	1:81:A:LEU:HA	5	0.36	0.13	0.4
(1,3854)	1:79:B:GLU:HA	1:81:B:LEU:HA	5	0.36	0.12	0.4
(1,4847)	1:53:A:ASN:HB2	1:50:A:PHE:HB2	5	0.35	0.34	0.21
(1,4847)	1:95:A:PHE:HB3	1:93:A:ASP:HB2	5	0.35	0.34	0.21
(1,4847)	1:24:A:TYR:HB2	1:39:A:PHE:HB3	5	0.35	0.34	0.21
(1,4848)	1:53:B:ASN:HB2	1:50:B:PHE:HB2	5	0.35	0.34	0.22
(1,4848)	1:95:B:PHE:HB3	1:93:B:ASP:HB2	5	0.35	0.34	0.22
(1,4848)	1:24:B:TYR:HB2	1:39:B:PHE:HB3	5	0.35	0.34	0.22
(1,1527)	1:65:A:LYS:H	1:64:A:MET:HG3	5	0.34	0.12	0.33
(1,1527)	1:65:A:LYS:H	1:64:A:MET:HG2	5	0.34	0.12	0.33
(1,1528)	1:65:B:LYS:H	1:64:B:MET:HG3	5	0.34	0.12	0.33
(1,1528)	1:65:B:LYS:H	1:64:B:MET:HG2	5	0.34	0.12	0.33
(1,3803)	1:41:A:SER:H	1:40:A:LEU:HG	5	0.33	0.12	0.25
(1,3804)	1:41:B:SER:H	1:40:B:LEU:HG	5	0.33	0.12	0.25
(1,5711)	1:42:A:PHE:H	1:39:A:PHE:HA	5	0.28	0.1	0.27
(1,5712)	1:42:B:PHE:H	1:39:B:PHE:HA	5	0.28	0.1	0.27
(1,2210)	1:97:B:LYS:HA	1:97:B:LYS:HG2	5	0.27	0.03	0.26
(1,4223)	1:48:A:ALA:HA	1:60:A:LEU:HD21	5	0.27	0.1	0.31
(1,4223)	1:48:A:ALA:HA	1:60:A:LEU:HD23	5	0.27	0.1	0.31
(1,4223)	1:48:A:ALA:HA	1:60:A:LEU:HD22	5	0.27	0.1	0.31
(1,2209)	1:97:A:LYS:HA	1:97:A:LYS:HG2	5	0.27	0.03	0.26
(1,4224)	1:48:B:ALA:HA	1:60:B:LEU:HD21	5	0.27	0.1	0.31
(1,4224)	1:48:B:ALA:HA	1:60:B:LEU:HD23	5	0.27	0.1	0.31

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4224)	1:48:B:ALA:HA	1:60:B:LEU:HD22	5	0.27	0.1	0.31
(1,1205)	1:48:A:ALA:HB1	1:52:A:LYS:H	5	0.21	0.08	0.21
(1,1205)	1:48:A:ALA:HB2	1:52:A:LYS:H	5	0.21	0.08	0.21
(1,1206)	1:48:B:ALA:HB1	1:52:B:LYS:H	5	0.21	0.08	0.2
(1,1206)	1:48:B:ALA:HB2	1:52:B:LYS:H	5	0.21	0.08	0.2
(1,4791)	1:37:A:THR:HA	1:40:A:LEU:HD22	5	0.21	0.06	0.25
(1,4791)	1:37:A:THR:HA	1:40:A:LEU:HD21	5	0.21	0.06	0.25
(1,4792)	1:37:B:THR:HA	1:40:B:LEU:HD22	5	0.21	0.05	0.24
(1,4792)	1:37:B:THR:HA	1:40:B:LEU:HD21	5	0.21	0.05	0.24
(1,3672)	1:7:B:PRO:HB2	1:8:B:THR:HB	5	0.21	0.05	0.21
(1,3671)	1:7:A:PRO:HB2	1:8:A:THR:HB	5	0.2	0.05	0.2
(1,1893)	1:25:A:ALA:HA	1:34:A:LEU:HD21	5	0.19	0.07	0.17
(1,1893)	1:25:A:ALA:HA	1:34:A:LEU:HD22	5	0.19	0.07	0.17
(1,1893)	1:25:A:ALA:HA	1:34:A:LEU:HD23	5	0.19	0.07	0.17
(1,1894)	1:25:B:ALA:HA	1:34:B:LEU:HD21	5	0.19	0.07	0.17
(1,1894)	1:25:B:ALA:HA	1:34:B:LEU:HD22	5	0.19	0.07	0.17
(1,1894)	1:25:B:ALA:HA	1:34:B:LEU:HD23	5	0.19	0.07	0.17
(1,4823)	1:67:A:LEU:HD13	1:83:A:LEU:HA	5	0.19	0.05	0.2
(1,4823)	1:67:A:LEU:HD13	1:80:A:PHE:HA	5	0.19	0.05	0.2
(1,4823)	1:67:A:LEU:HD11	1:83:A:LEU:HA	5	0.19	0.05	0.2
(1,4824)	1:67:B:LEU:HD13	1:83:B:LEU:HA	5	0.19	0.05	0.19
(1,4824)	1:67:B:LEU:HD13	1:80:B:PHE:HA	5	0.19	0.05	0.19
(1,4824)	1:67:B:LEU:HD11	1:83:B:LEU:HA	5	0.19	0.05	0.19
(2,180)	1:13:B:CYS:H	1:11:B:GLU:HG2	5	0.19	0.15	0.12
(1,5483)	1:51:A:THR:H	1:47:A:LEU:HB2	5	0.17	0.04	0.18
(1,5484)	1:51:B:THR:H	1:47:B:LEU:HB2	5	0.17	0.04	0.18
(1,4431)	1:12:A:ARG:HD2	1:9:A:GLU:HA	5	0.16	0.05	0.14
(1,5455)	1:47:A:LEU:H	1:45:A:THR:HA	5	0.16	0.06	0.15
(1,5455)	1:47:A:LEU:H	1:44:A:ASN:HA	5	0.16	0.06	0.15
(1,5456)	1:47:B:LEU:H	1:45:B:THR:HA	5	0.16	0.06	0.15
(1,5456)	1:47:B:LEU:H	1:44:B:ASN:HA	5	0.16	0.06	0.15
(1,4432)	1:12:B:ARG:HD2	1:9:B:GLU:HA	5	0.15	0.05	0.14
(1,1923)	1:62:A:ARG:HG3	1:62:A:ARG:HA	5	0.14	0.02	0.14
(1,1924)	1:62:B:ARG:HG3	1:62:B:ARG:HA	5	0.14	0.02	0.13
(1,833)	1:96:A:LEU:H	1:96:A:LEU:HD11	5	0.12	0.02	0.11
(1,833)	1:96:A:LEU:H	1:96:A:LEU:HD12	5	0.12	0.02	0.11
(1,1313)	1:59:A:VAL:HB	1:60:A:LEU:H	5	0.11	0.0	0.11
(1,1314)	1:59:B:VAL:HB	1:60:B:LEU:H	5	0.11	0.0	0.11
(1,2306)	1:96:B:LEU:HB2	1:97:B:LYS:HE2	4	0.56	0.1	0.55
(1,2332)	1:96:B:LEU:HB2	1:97:B:LYS:HE2	4	0.56	0.1	0.55
(1,2305)	1:96:A:LEU:HB2	1:97:A:LYS:HE2	4	0.56	0.1	0.54
(1,2331)	1:96:A:LEU:HB2	1:97:A:LYS:HE2	4	0.56	0.1	0.54

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1875)	1:67:A:LEU:HD23	1:66:A:LYS:HE3	4	0.53	0.01	0.53
(1,1875)	1:67:A:LEU:HD22	1:66:A:LYS:HE3	4	0.53	0.01	0.53
(1,1875)	1:67:A:LEU:HD21	1:66:A:LYS:HE3	4	0.53	0.01	0.53
(1,1876)	1:67:B:LEU:HD23	1:66:B:LYS:HE3	4	0.53	0.01	0.52
(1,1876)	1:67:B:LEU:HD22	1:66:B:LYS:HE3	4	0.53	0.01	0.52
(1,1876)	1:67:B:LEU:HD21	1:66:B:LYS:HE3	4	0.53	0.01	0.52
(1,4124)	1:67:B:LEU:HA	1:82:B:ASN:HB2	4	0.36	0.26	0.23
(1,4124)	1:67:B:LEU:HA	1:66:B:LYS:HE3	4	0.36	0.26	0.23
(1,4123)	1:67:A:LEU:HA	1:82:A:ASN:HB2	4	0.36	0.27	0.22
(1,4123)	1:67:A:LEU:HA	1:66:A:LYS:HE3	4	0.36	0.27	0.22
(1,4265)	1:21:A:PHE:HB2	1:20:A:VAL:HG23	4	0.28	0.07	0.26
(1,4265)	1:21:A:PHE:HB2	1:17:A:LEU:HB3	4	0.28	0.07	0.26
(1,4265)	1:21:A:PHE:HB2	1:20:A:VAL:HG21	4	0.28	0.07	0.26
(1,4266)	1:21:B:PHE:HB2	1:20:B:VAL:HG23	4	0.28	0.07	0.26
(1,4266)	1:21:B:PHE:HB2	1:17:B:LEU:HB3	4	0.28	0.07	0.26
(1,4266)	1:21:B:PHE:HB2	1:20:B:VAL:HG21	4	0.28	0.07	0.26
(1,1707)	1:82:A:ASN:HB2	1:67:A:LEU:HD21	4	0.28	0.03	0.28
(1,1707)	1:82:A:ASN:HB2	1:67:A:LEU:HD22	4	0.28	0.03	0.28
(1,1708)	1:82:B:ASN:HB2	1:67:B:LEU:HD21	4	0.28	0.04	0.28
(1,1708)	1:82:B:ASN:HB2	1:67:B:LEU:HD22	4	0.28	0.04	0.28
(1,4144)	1:58:B:GLY:HA3	1:61:B:ASP:HB3	4	0.26	0.08	0.29
(1,4143)	1:58:A:GLY:HA3	1:61:A:ASP:HB3	4	0.26	0.07	0.28
(1,3463)	1:96:A:LEU:HB3	1:95:A:PHE:HB2	4	0.25	0.2	0.16
(1,3463)	1:87:A:LEU:HB3	1:50:A:PHE:HB2	4	0.25	0.2	0.16
(1,1822)	1:11:B:GLU:HG3	1:11:B:GLU:HA	4	0.24	0.03	0.24
(1,1821)	1:11:A:GLU:HG3	1:11:A:GLU:HA	4	0.24	0.03	0.24
(1,3997)	1:51:A:THR:HG21	1:44:A:ASN:HB3	4	0.22	0.1	0.2
(1,3997)	1:51:A:THR:HG23	1:44:A:ASN:HB3	4	0.22	0.1	0.2
(1,3998)	1:51:B:THR:HG21	1:44:B:ASN:HB3	4	0.22	0.1	0.2
(1,3998)	1:51:B:THR:HG23	1:44:B:ASN:HB3	4	0.22	0.1	0.2
(1,3017)	1:78:A:SER:H	1:77:A:PHE:HB3	4	0.22	0.02	0.22
(1,3018)	1:78:B:SER:H	1:77:B:PHE:HB3	4	0.22	0.03	0.22
(1,3621)	1:60:A:LEU:HB2	1:57:A:PRO:HB2	4	0.22	0.07	0.23
(1,3621)	1:60:A:LEU:HB2	1:63:A:MET:HB2	4	0.22	0.07	0.23
(1,3622)	1:60:B:LEU:HB2	1:57:B:PRO:HB2	4	0.22	0.07	0.23
(1,3622)	1:60:B:LEU:HB2	1:63:B:MET:HB2	4	0.22	0.07	0.23
(1,1925)	1:21:A:PHE:H	1:20:A:VAL:HG21	4	0.22	0.04	0.22
(1,1925)	1:21:A:PHE:H	1:20:A:VAL:HG22	4	0.22	0.04	0.22
(1,1925)	1:21:A:PHE:H	1:20:A:VAL:HG23	4	0.22	0.04	0.22
(1,1926)	1:21:B:PHE:H	1:20:B:VAL:HG21	4	0.22	0.04	0.22
(1,1926)	1:21:B:PHE:H	1:20:B:VAL:HG22	4	0.22	0.04	0.22
(1,1926)	1:21:B:PHE:H	1:20:B:VAL:HG23	4	0.22	0.04	0.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3915)	1:10:A:THR:HB	1:47:B:LEU:HD21	4	0.2	0.06	0.19
(1,3915)	1:10:A:THR:HB	1:47:B:LEU:HD23	4	0.2	0.06	0.19
(1,3916)	1:10:B:THR:HB	1:47:A:LEU:HD21	4	0.19	0.06	0.19
(1,3916)	1:10:B:THR:HB	1:47:A:LEU:HD23	4	0.19	0.06	0.19
(1,1248)	1:27:B:LYS:H	1:27:B:LYS:HD2	4	0.18	0.07	0.18
(1,1599)	1:13:A:CYS:HB2	1:17:B:LEU:HD22	4	0.17	0.05	0.18
(1,1599)	1:13:A:CYS:HB2	1:17:B:LEU:HD21	4	0.17	0.05	0.18
(1,1600)	1:13:B:CYS:HB2	1:17:A:LEU:HD22	4	0.17	0.05	0.18
(1,1600)	1:13:B:CYS:HB2	1:17:A:LEU:HD21	4	0.17	0.05	0.18
(1,1247)	1:27:A:LYS:H	1:27:A:LYS:HD2	4	0.17	0.07	0.17
(1,4356)	1:23:B:LYS:HB2	1:23:B:LYS:HE3	4	0.16	0.04	0.16
(1,1290)	1:36:B:LYS:HA	1:64:B:MET:HG3	4	0.14	0.02	0.15
(1,1290)	1:36:B:LYS:HA	1:64:B:MET:HG2	4	0.14	0.02	0.15
(1,1289)	1:36:A:LYS:HA	1:64:A:MET:HG3	4	0.14	0.02	0.15
(1,1289)	1:36:A:LYS:HA	1:64:A:MET:HG2	4	0.14	0.02	0.15
(1,2261)	1:97:A:LYS:HB3	1:97:A:LYS:HA	4	0.14	0.05	0.12
(1,2262)	1:97:B:LYS:HB3	1:97:B:LYS:HA	4	0.13	0.05	0.11
(1,3867)	1:74:A:GLN:HB3	1:75:A:LEU:HA	4	0.13	0.03	0.12
(1,3868)	1:74:B:GLN:HB3	1:75:B:LEU:HA	4	0.13	0.03	0.12
(1,834)	1:96:B:LEU:H	1:96:B:LEU:HD11	4	0.12	0.02	0.12
(1,834)	1:96:B:LEU:H	1:96:B:LEU:HD12	4	0.12	0.02	0.12
(1,2265)	1:51:A:THR:HA	1:51:A:THR:HG23	4	0.12	0.01	0.12
(1,2265)	1:51:A:THR:HA	1:51:A:THR:HG21	4	0.12	0.01	0.12
(1,2265)	1:51:A:THR:HA	1:51:A:THR:HG22	4	0.12	0.01	0.12
(2,37)	1:65:A:LYS:H	1:63:A:MET:HG2	4	0.12	0.02	0.12
(1,2266)	1:51:B:THR:HA	1:51:B:THR:HG23	4	0.12	0.01	0.12
(1,2266)	1:51:B:THR:HA	1:51:B:THR:HG21	4	0.12	0.01	0.12
(1,2266)	1:51:B:THR:HA	1:51:B:THR:HG22	4	0.12	0.01	0.12
(3,78)	1:24:B:TYR:H	1:20:B:VAL:O	4	0.11	0.01	0.11
(1,2109)	1:33:A:THR:HG21	1:76:A:ASP:HB3	3	0.64	0.11	0.6
(1,2109)	1:33:A:THR:HG23	1:76:A:ASP:HB3	3	0.64	0.11	0.6
(1,2110)	1:33:B:THR:HG21	1:76:B:ASP:HB3	3	0.63	0.1	0.6
(1,2110)	1:33:B:THR:HG23	1:76:B:ASP:HB3	3	0.63	0.1	0.6
(1,4477)	1:65:A:LYS:HE2	1:68:A:ASP:HB3	3	0.48	0.05	0.47
(1,4477)	1:64:A:MET:HG3	1:36:A:LYS:HE3	3	0.48	0.05	0.47
(1,4478)	1:65:B:LYS:HE2	1:68:B:ASP:HB3	3	0.47	0.05	0.47
(1,4478)	1:64:B:MET:HG3	1:36:B:LYS:HE3	3	0.47	0.05	0.47
(1,2000)	1:33:B:THR:HG21	1:76:B:ASP:HB3	3	0.47	0.1	0.43
(1,2000)	1:33:B:THR:HG23	1:76:B:ASP:HB3	3	0.47	0.1	0.43
(1,1999)	1:33:A:THR:HG21	1:76:A:ASP:HB3	3	0.47	0.11	0.43
(1,1999)	1:33:A:THR:HG23	1:76:A:ASP:HB3	3	0.47	0.11	0.43
(1,76)	1:91:B:CYS:HB3	1:14:A:ILE:HG22	3	0.46	0.28	0.28

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,75)	1:91:A:CYS:HB3	1:14:B:ILE:HG22	3	0.45	0.28	0.28
(1,74)	1:91:B:CYS:HB3	1:14:A:ILE:HG22	3	0.43	0.28	0.24
(1,73)	1:91:A:CYS:HB3	1:14:B:ILE:HG22	3	0.42	0.28	0.25
(1,5235)	1:28:A:ASP:H	1:25:A:ALA:HB2	3	0.42	0.15	0.35
(1,5235)	1:28:A:ASP:H	1:25:A:ALA:HB3	3	0.42	0.15	0.35
(1,5236)	1:28:B:ASP:H	1:25:B:ALA:HB2	3	0.42	0.15	0.35
(1,5236)	1:28:B:ASP:H	1:25:B:ALA:HB3	3	0.42	0.15	0.35
(1,2140)	1:27:B:LYS:HD3	1:27:B:LYS:HB3	3	0.33	0.04	0.31
(1,824)	1:49:B:ALA:HB2	1:7:A:PRO:HA	3	0.33	0.1	0.38
(1,824)	1:49:B:ALA:HB3	1:7:A:PRO:HA	3	0.33	0.1	0.38
(1,824)	1:49:B:ALA:HB1	1:7:A:PRO:HA	3	0.33	0.1	0.38
(1,2139)	1:27:A:LYS:HD3	1:27:A:LYS:HB3	3	0.33	0.05	0.31
(1,823)	1:49:A:ALA:HB2	1:7:B:PRO:HA	3	0.31	0.11	0.38
(1,823)	1:49:A:ALA:HB3	1:7:B:PRO:HA	3	0.31	0.11	0.38
(1,823)	1:49:A:ALA:HB1	1:7:B:PRO:HA	3	0.31	0.11	0.38
(1,971)	1:10:A:THR:HA	1:9:A:GLU:HG2	3	0.31	0.11	0.24
(1,972)	1:10:B:THR:HA	1:9:B:GLU:HG2	3	0.31	0.11	0.24
(1,3464)	1:96:B:LEU:HB3	1:95:B:PHE:HB2	3	0.3	0.2	0.18
(1,3464)	1:87:B:LEU:HB3	1:50:B:PHE:HB2	3	0.3	0.2	0.18
(1,4175)	1:9:A:GLU:HG2	1:10:A:THR:H	3	0.28	0.09	0.24
(1,4176)	1:9:B:GLU:HG2	1:10:B:THR:H	3	0.28	0.09	0.24
(1,1861)	1:66:A:LYS:HG3	1:67:A:LEU:HD21	3	0.27	0.06	0.28
(1,1861)	1:66:A:LYS:HG2	1:67:A:LEU:HD21	3	0.27	0.06	0.28
(1,4837)	1:63:A:MET:HA	1:66:A:LYS:HE2	3	0.27	0.02	0.26
(1,4837)	1:63:A:MET:HA	1:66:A:LYS:HE3	3	0.27	0.02	0.26
(1,4838)	1:63:B:MET:HA	1:66:B:LYS:HE2	3	0.27	0.02	0.26
(1,4838)	1:63:B:MET:HA	1:66:B:LYS:HE3	3	0.27	0.02	0.26
(1,4307)	1:65:A:LYS:HG2	1:64:A:MET:HG2	3	0.27	0.11	0.33
(1,4307)	1:65:A:LYS:HG2	1:64:A:MET:HG3	3	0.27	0.11	0.33
(1,4308)	1:65:B:LYS:HG2	1:64:B:MET:HG2	3	0.27	0.11	0.33
(1,4308)	1:65:B:LYS:HG2	1:64:B:MET:HG3	3	0.27	0.11	0.33
(1,4309)	1:65:A:LYS:HG2	1:64:A:MET:HG2	3	0.27	0.11	0.33
(1,4309)	1:65:A:LYS:HG2	1:64:A:MET:HG3	3	0.27	0.11	0.33
(1,4310)	1:65:B:LYS:HG2	1:64:B:MET:HG2	3	0.27	0.11	0.33
(1,4310)	1:65:B:LYS:HG2	1:64:B:MET:HG3	3	0.27	0.11	0.33
(1,1862)	1:66:B:LYS:HG3	1:67:B:LEU:HD21	3	0.27	0.06	0.28
(1,1862)	1:66:B:LYS:HG2	1:67:B:LEU:HD21	3	0.27	0.06	0.28
(1,1795)	1:63:A:MET:HG3	1:60:A:LEU:HD23	3	0.23	0.06	0.25
(1,1795)	1:63:A:MET:HG3	1:60:A:LEU:HD22	3	0.23	0.06	0.25
(1,1796)	1:63:B:MET:HG3	1:60:B:LEU:HD23	3	0.23	0.06	0.26
(1,1796)	1:63:B:MET:HG3	1:60:B:LEU:HD22	3	0.23	0.06	0.26
(1,1860)	1:100:B:PRO:HB3	1:96:B:LEU:HD13	3	0.22	0.05	0.21

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1860)	1:100:B:PRO:HB3	1:96:B:LEU:HD11	3	0.22	0.05	0.21
(1,1860)	1:100:B:PRO:HB3	1:96:B:LEU:HD12	3	0.22	0.05	0.21
(1,1859)	1:100:A:PRO:HB3	1:96:A:LEU:HD13	3	0.22	0.05	0.2
(1,1859)	1:100:A:PRO:HB3	1:96:A:LEU:HD11	3	0.22	0.05	0.2
(1,1859)	1:100:A:PRO:HB3	1:96:A:LEU:HD12	3	0.22	0.05	0.2
(1,3503)	1:33:A:THR:HA	1:80:A:PHE:HB2	3	0.22	0.02	0.21
(1,3504)	1:33:B:THR:HA	1:80:B:PHE:HB2	3	0.22	0.02	0.21
(1,4475)	1:96:A:LEU:HD11	1:93:A:ASP:HA	3	0.2	0.05	0.18
(1,4475)	1:96:A:LEU:HD12	1:99:A:VAL:HA	3	0.2	0.05	0.18
(1,4475)	1:96:A:LEU:HD11	1:99:A:VAL:HA	3	0.2	0.05	0.18
(1,4476)	1:96:B:LEU:HD11	1:93:B:ASP:HA	3	0.2	0.05	0.18
(1,4476)	1:96:B:LEU:HD12	1:99:B:VAL:HA	3	0.2	0.05	0.18
(1,4476)	1:96:B:LEU:HD11	1:99:B:VAL:HA	3	0.2	0.05	0.18
(1,50)	1:20:B:VAL:HG11	1:9:A:GLU:HG3	3	0.18	0.08	0.15
(1,50)	1:20:B:VAL:HG11	1:9:A:GLU:HG2	3	0.18	0.08	0.15
(1,50)	1:20:B:VAL:HG13	1:9:A:GLU:HG2	3	0.18	0.08	0.15
(1,4795)	1:63:A:MET:HA	1:66:A:LYS:HE2	3	0.18	0.02	0.17
(1,4795)	1:63:A:MET:HA	1:66:A:LYS:HE3	3	0.18	0.02	0.17
(1,4796)	1:63:B:MET:HA	1:66:B:LYS:HE2	3	0.18	0.02	0.17
(1,4796)	1:63:B:MET:HA	1:66:B:LYS:HE3	3	0.18	0.02	0.17
(1,5436)	1:42:B:PHE:H	1:60:B:LEU:HD11	3	0.18	0.05	0.21
(1,5436)	1:42:B:PHE:H	1:60:B:LEU:HD12	3	0.18	0.05	0.21
(1,5436)	1:42:B:PHE:H	1:40:B:LEU:HD21	3	0.18	0.05	0.21
(1,4355)	1:23:A:LYS:HB2	1:23:A:LYS:HE3	3	0.18	0.02	0.17
(1,5435)	1:42:A:PHE:H	1:60:A:LEU:HD11	3	0.18	0.05	0.2
(1,5435)	1:42:A:PHE:H	1:60:A:LEU:HD12	3	0.18	0.05	0.2
(1,5435)	1:42:A:PHE:H	1:40:A:LEU:HD21	3	0.18	0.05	0.2
(1,91)	1:9:A:GLU:HB3	1:20:B:VAL:HG11	3	0.17	0.07	0.13
(1,91)	1:9:A:GLU:HB3	1:20:B:VAL:HG13	3	0.17	0.07	0.13
(1,3821)	1:10:A:THR:HA	1:17:B:LEU:HA	3	0.17	0.03	0.17
(1,3822)	1:10:B:THR:HA	1:17:A:LEU:HA	3	0.16	0.03	0.16
(1,2691)	1:94:A:SER:H	1:91:A:CYS:H	3	0.15	0.03	0.13
(1,2692)	1:94:B:SER:H	1:91:B:CYS:H	3	0.15	0.03	0.13
(2,38)	1:65:B:LYS:H	1:63:B:MET:HG2	3	0.13	0.02	0.14
(1,161)	1:76:A:ASP:HB2	1:33:A:THR:HB	3	0.13	0.01	0.12
(1,201)	1:33:A:THR:HA	1:75:A:LEU:HA	3	0.13	0.01	0.12
(1,202)	1:33:B:THR:HA	1:75:B:LEU:HA	3	0.13	0.01	0.12
(1,162)	1:76:B:ASP:HB2	1:33:B:THR:HB	3	0.12	0.01	0.12
(1,2681)	1:73:A:GLY:H	1:74:A:GLN:HG3	3	0.12	0.01	0.13
(1,2682)	1:73:B:GLY:H	1:74:B:GLN:HG3	3	0.12	0.01	0.12
(1,3990)	1:68:B:ASP:HA	1:75:B:LEU:HB2	3	0.12	0.01	0.12
(1,2426)	1:41:B:SER:H	1:45:B:THR:H	3	0.12	0.0	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2490)	1:38:B:GLU:H	1:34:B:LEU:HA	3	0.12	0.02	0.1
(1,3989)	1:68:A:ASP:HA	1:75:A:LEU:HB2	3	0.12	0.01	0.12
(1,5666)	1:68:B:ASP:H	1:67:B:LEU:HA	3	0.12	0.0	0.12
(1,2425)	1:41:A:SER:H	1:45:A:THR:H	3	0.11	0.0	0.11
(1,5665)	1:68:A:ASP:H	1:67:A:LEU:HA	3	0.11	0.0	0.11
(3,20)	1:24:A:TYR:H	1:20:A:VAL:O	3	0.11	0.0	0.11
(1,340)	1:23:B:LYS:HA	1:22:B:GLN:H	3	0.11	0.01	0.11
(1,339)	1:23:A:LYS:HA	1:22:A:GLN:H	3	0.11	0.01	0.1
(1,1155)	1:76:A:ASP:HB2	1:76:A:ASP:HB3	3	0.11	0.0	0.11
(1,4169)	1:17:A:LEU:HG	1:16:A:SER:HB3	2	1.12	0.08	1.12
(1,4169)	1:16:A:SER:HB3	1:9:B:GLU:HB2	2	1.12	0.08	1.12
(1,4170)	1:17:B:LEU:HG	1:16:B:SER:HB3	2	1.12	0.07	1.12
(1,4170)	1:16:B:SER:HB3	1:9:A:GLU:HB2	2	1.12	0.07	1.12
(1,3945)	1:42:A:PHE:HA	1:46:A:GLU:HB2	2	0.76	0.56	0.76
(1,3946)	1:42:B:PHE:HA	1:46:B:GLU:HB2	2	0.76	0.56	0.76
(1,3400)	1:22:B:GLN:HB2	1:100:A:PRO:HB3	2	0.74	0.18	0.74
(1,3399)	1:22:A:GLN:HB2	1:100:B:PRO:HB3	2	0.74	0.17	0.74
(1,4522)	1:69:B:THR:HG22	1:70:B:ASN:HB3	2	0.7	0.15	0.7
(1,4522)	1:69:B:THR:HG23	1:70:B:ASN:HB3	2	0.7	0.15	0.7
(1,4521)	1:69:A:THR:HG22	1:70:A:ASN:HB3	2	0.69	0.15	0.69
(1,4521)	1:45:A:THR:HG21	1:44:A:ASN:HB2	2	0.69	0.15	0.69
(1,4450)	1:69:B:THR:HG22	1:70:B:ASN:HB3	2	0.61	0.15	0.61
(1,4450)	1:69:B:THR:HG23	1:70:B:ASN:HB3	2	0.61	0.15	0.61
(1,1296)	1:48:B:ALA:HB2	1:52:B:LYS:HE3	2	0.6	0.08	0.6
(1,1296)	1:48:B:ALA:HB2	1:52:B:LYS:HE2	2	0.6	0.08	0.6
(1,1295)	1:48:A:ALA:HB2	1:52:A:LYS:HE3	2	0.6	0.07	0.6
(1,1295)	1:48:A:ALA:HB2	1:52:A:LYS:HE2	2	0.6	0.07	0.6
(1,4449)	1:69:A:THR:HG22	1:70:A:ASN:HB3	2	0.6	0.15	0.6
(1,4449)	1:45:A:THR:HG21	1:44:A:ASN:HB2	2	0.6	0.15	0.6
(1,871)	1:96:A:LEU:HD22	1:95:A:PHE:HB2	2	0.55	0.12	0.55
(1,872)	1:96:B:LEU:HD22	1:95:B:PHE:HB2	2	0.55	0.12	0.55
(1,3383)	1:20:A:VAL:HG13	1:10:B:THR:HB	2	0.52	0.05	0.52
(1,3384)	1:20:B:VAL:HG13	1:10:A:THR:HB	2	0.51	0.06	0.51
(1,3492)	1:52:B:LYS:HG3	1:44:B:ASN:HB3	2	0.38	0.08	0.38
(1,3492)	1:65:B:LYS:HG2	1:61:B:ASP:HB3	2	0.38	0.08	0.38
(1,3491)	1:52:A:LYS:HG3	1:44:A:ASN:HB3	2	0.36	0.08	0.36
(1,3491)	1:65:A:LYS:HG2	1:61:A:ASP:HB3	2	0.36	0.08	0.36
(1,5791)	1:66:A:LYS:H	1:66:A:LYS:HB3	2	0.36	0.24	0.36
(1,5791)	1:66:A:LYS:H	1:65:A:LYS:HB2	2	0.36	0.24	0.36
(1,5792)	1:66:B:LYS:H	1:66:B:LYS:HB3	2	0.36	0.23	0.36
(1,5792)	1:66:B:LYS:H	1:65:B:LYS:HB2	2	0.36	0.23	0.36
(1,3746)	1:74:B:GLN:H	1:72:B:ASP:HB3	2	0.34	0.1	0.34

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3745)	1:74:A:GLN:H	1:72:A:ASP:HB3	2	0.33	0.1	0.33
(1,2455)	1:51:A:THR:H	1:87:A:LEU:HD22	2	0.3	0.03	0.3
(1,2456)	1:51:B:THR:H	1:87:B:LEU:HD22	2	0.3	0.03	0.3
(1,2150)	1:23:B:LYS:HG2	1:23:B:LYS:HE2	2	0.28	0.07	0.28
(1,1149)	1:94:A:SER:HB2	1:93:A:ASP:HB3	2	0.28	0.04	0.28
(1,2149)	1:23:A:LYS:HG2	1:23:A:LYS:HE2	2	0.28	0.07	0.28
(1,1150)	1:94:B:SER:HB2	1:93:B:ASP:HB3	2	0.26	0.02	0.26
(1,1505)	1:12:A:ARG:HD3	1:13:A:CYS:HB2	2	0.26	0.08	0.26
(1,1506)	1:12:B:ARG:HD3	1:13:B:CYS:HB2	2	0.26	0.08	0.26
(1,3544)	1:48:B:ALA:HA	1:44:B:ASN:HB3	2	0.25	0.01	0.25
(1,3543)	1:48:A:ALA:HA	1:44:A:ASN:HB3	2	0.24	0.01	0.24
(1,49)	1:20:A:VAL:HG11	1:9:B:GLU:HG3	2	0.24	0.06	0.24
(1,49)	1:20:A:VAL:HG13	1:9:B:GLU:HG2	2	0.24	0.06	0.24
(1,738)	1:40:B:LEU:HG	1:36:B:LYS:HE2	2	0.24	0.06	0.24
(1,3633)	1:73:A:GLY:HA2	1:36:A:LYS:HB2	2	0.23	0.0	0.23
(1,3634)	1:73:B:GLY:HA2	1:36:B:LYS:HB2	2	0.23	0.0	0.23
(1,737)	1:40:A:LEU:HG	1:36:A:LYS:HE2	2	0.23	0.07	0.23
(1,4753)	1:40:A:LEU:HD22	1:36:A:LYS:HE2	2	0.22	0.01	0.22
(1,4753)	1:17:A:LEU:HD22	1:13:B:CYS:HB3	2	0.22	0.01	0.22
(1,131)	1:46:A:GLU:HB3	1:42:A:PHE:HA	2	0.22	0.06	0.22
(1,132)	1:46:B:GLU:HB3	1:42:B:PHE:HA	2	0.22	0.06	0.22
(1,3251)	1:96:A:LEU:H	1:96:A:LEU:HD22	2	0.22	0.0	0.22
(1,3252)	1:96:B:LEU:H	1:96:B:LEU:HD22	2	0.22	0.0	0.22
(1,1523)	1:52:A:LYS:HG2	1:51:A:THR:HG21	2	0.22	0.07	0.22
(1,1523)	1:52:A:LYS:HG2	1:51:A:THR:HG23	2	0.22	0.07	0.22
(1,1524)	1:52:B:LYS:HG2	1:51:B:THR:HG21	2	0.22	0.07	0.22
(1,1524)	1:52:B:LYS:HG2	1:51:B:THR:HG23	2	0.22	0.07	0.22
(1,4754)	1:40:B:LEU:HD22	1:36:B:LYS:HE2	2	0.21	0.0	0.21
(1,4754)	1:17:B:LEU:HD22	1:13:A:CYS:HB3	2	0.21	0.0	0.21
(1,92)	1:9:B:GLU:HB3	1:20:A:VAL:HG11	2	0.2	0.08	0.2
(1,92)	1:9:B:GLU:HB3	1:20:A:VAL:HG13	2	0.2	0.08	0.2
(1,741)	1:9:A:GLU:HG3	1:12:A:ARG:HD2	2	0.2	0.0	0.2
(1,742)	1:9:B:GLU:HG3	1:12:B:ARG:HD2	2	0.2	0.0	0.2
(1,3809)	1:25:A:ALA:HB1	1:80:A:PHE:HB2	2	0.18	0.01	0.18
(1,3809)	1:25:A:ALA:HB2	1:80:A:PHE:HB2	2	0.18	0.01	0.18
(1,3810)	1:25:B:ALA:HB1	1:80:B:PHE:HB2	2	0.18	0.01	0.18
(1,3810)	1:25:B:ALA:HB2	1:80:B:PHE:HB2	2	0.18	0.01	0.18
(1,1208)	1:27:B:LYS:H	1:27:B:LYS:HD2	2	0.18	0.01	0.18
(1,3643)	1:47:A:LEU:HB2	1:44:A:ASN:HA	2	0.18	0.03	0.18
(1,1207)	1:27:A:LYS:H	1:27:A:LYS:HD2	2	0.18	0.0	0.18
(1,3644)	1:47:B:LEU:HB2	1:44:B:ASN:HA	2	0.18	0.03	0.18
(1,1725)	1:40:A:LEU:HA	1:43:A:MET:HB3	2	0.17	0.03	0.17

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1726)	1:40:B:LEU:HA	1:43:B:MET:HB3	2	0.17	0.03	0.17
(1,2194)	1:8:B:THR:HA	1:8:B:THR:HG23	2	0.16	0.01	0.16
(1,2194)	1:8:B:THR:HA	1:8:B:THR:HG22	2	0.16	0.01	0.16
(1,4659)	1:74:A:GLN:HB2	1:68:A:ASP:HA	2	0.16	0.02	0.16
(1,4659)	1:74:A:GLN:HB2	1:72:A:ASP:HA	2	0.16	0.02	0.16
(1,4660)	1:74:B:GLN:HB2	1:68:B:ASP:HA	2	0.16	0.02	0.16
(1,4660)	1:74:B:GLN:HB2	1:72:B:ASP:HA	2	0.16	0.02	0.16
(1,2193)	1:8:A:THR:HA	1:8:A:THR:HG23	2	0.16	0.0	0.16
(1,2193)	1:8:A:THR:HA	1:8:A:THR:HG22	2	0.16	0.0	0.16
(1,3365)	1:10:A:THR:HG22	1:47:B:LEU:HG	2	0.16	0.05	0.16
(1,3365)	1:10:A:THR:HG23	1:47:B:LEU:HG	2	0.16	0.05	0.16
(1,5272)	1:8:B:THR:H	1:46:A:GLU:HB3	2	0.16	0.05	0.16
(1,5525)	1:17:A:LEU:H	1:16:A:SER:HB3	2	0.16	0.05	0.16
(1,5525)	1:17:A:LEU:H	1:15:A:GLU:HA	2	0.16	0.05	0.16
(1,5526)	1:17:B:LEU:H	1:16:B:SER:HB3	2	0.16	0.05	0.16
(1,5526)	1:17:B:LEU:H	1:15:B:GLU:HA	2	0.16	0.05	0.16
(1,910)	1:94:B:SER:HB3	1:95:B:PHE:HB2	2	0.15	0.03	0.15
(1,910)	1:94:B:SER:HB2	1:95:B:PHE:HB2	2	0.15	0.03	0.15
(1,3431)	1:83:A:LEU:H	1:67:A:LEU:HB2	2	0.15	0.03	0.15
(1,3565)	1:87:A:LEU:HB3	1:89:A:MET:H	2	0.15	0.0	0.15
(1,3566)	1:87:B:LEU:HB3	1:89:B:MET:H	2	0.15	0.0	0.15
(1,4099)	1:13:A:CYS:HA	1:9:B:GLU:HG3	2	0.15	0.0	0.15
(1,4486)	1:95:B:PHE:HB2	1:18:A:ILE:HG22	2	0.15	0.04	0.15
(1,5271)	1:8:A:THR:H	1:46:B:GLU:HB3	2	0.14	0.03	0.14
(1,909)	1:94:A:SER:HB3	1:95:A:PHE:HB2	2	0.14	0.02	0.14
(1,909)	1:94:A:SER:HB2	1:95:A:PHE:HB2	2	0.14	0.02	0.14
(1,1723)	1:22:A:GLN:HA	1:25:A:ALA:HB1	2	0.14	0.0	0.14
(1,1724)	1:22:B:GLN:HA	1:25:B:ALA:HB1	2	0.14	0.0	0.14
(1,3432)	1:83:B:LEU:H	1:67:B:LEU:HB2	2	0.14	0.02	0.14
(1,4100)	1:13:B:CYS:HA	1:9:A:GLU:HG3	2	0.14	0.0	0.14
(1,4485)	1:95:A:PHE:HB2	1:18:B:ILE:HG22	2	0.14	0.04	0.14
(1,878)	1:50:B:PHE:HB3	1:47:B:LEU:HA	2	0.14	0.01	0.14
(1,4139)	1:68:A:ASP:HA	1:67:A:LEU:HB2	2	0.14	0.01	0.14
(1,4140)	1:68:B:ASP:HA	1:67:B:LEU:HB2	2	0.14	0.01	0.14
(1,877)	1:50:A:PHE:HB3	1:47:A:LEU:HA	2	0.13	0.01	0.13
(1,3449)	1:69:A:THR:HB	1:67:A:LEU:HB2	2	0.13	0.0	0.13
(1,3450)	1:69:B:THR:HB	1:67:B:LEU:HB2	2	0.13	0.0	0.13
(1,2489)	1:38:A:GLU:H	1:34:A:LEU:HA	2	0.12	0.02	0.12
(1,5041)	1:12:A:ARG:HG2	1:12:A:ARG:HD3	2	0.12	0.01	0.12
(1,5041)	1:12:A:ARG:HG2	1:12:A:ARG:HD2	2	0.12	0.01	0.12
(1,5042)	1:12:B:ARG:HG2	1:12:B:ARG:HD3	2	0.12	0.01	0.12
(1,5042)	1:12:B:ARG:HG2	1:12:B:ARG:HD2	2	0.12	0.01	0.12

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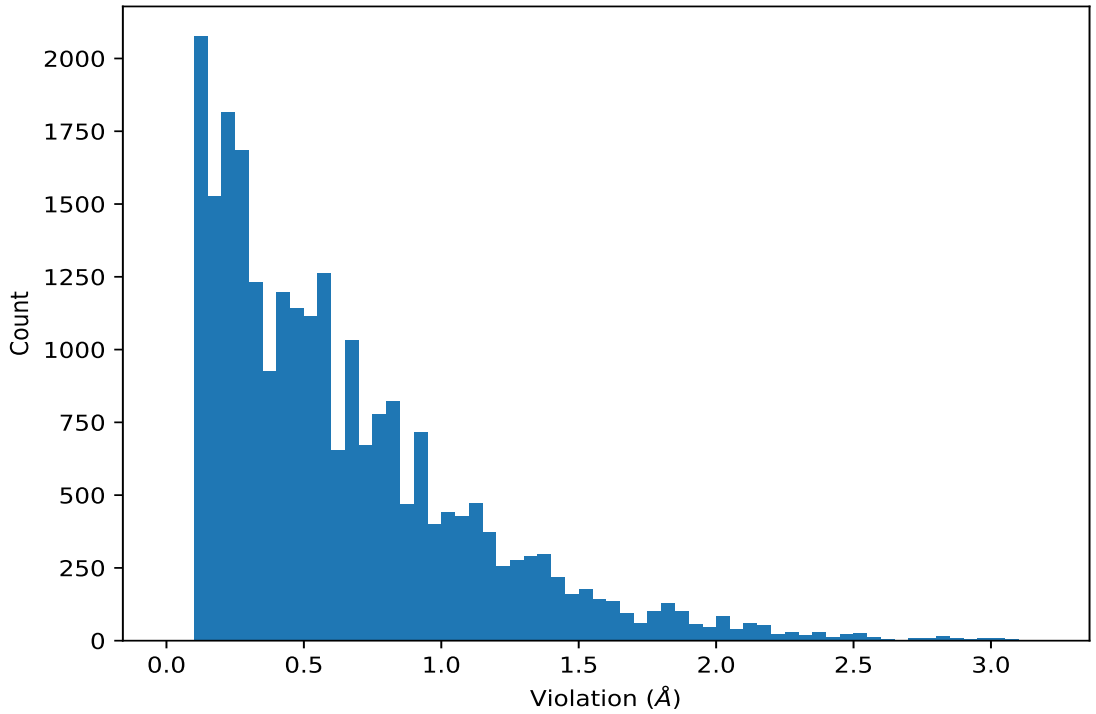
Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,167)	1:76:A:ASP:HB2	1:75:A:LEU:HA	2	0.12	0.01	0.12
(1,168)	1:76:B:ASP:HB2	1:75:B:LEU:HA	2	0.12	0.01	0.12
(1,1711)	1:64:A:MET:HA	1:67:A:LEU:HD12	2	0.12	0.01	0.12
(1,1711)	1:64:A:MET:HA	1:67:A:LEU:HD11	2	0.12	0.01	0.12
(1,1712)	1:64:B:MET:HA	1:67:B:LEU:HD12	2	0.12	0.01	0.12
(1,1712)	1:64:B:MET:HA	1:67:B:LEU:HD11	2	0.12	0.01	0.12
(1,2569)	1:76:A:ASP:H	1:79:A:GLU:HA	2	0.12	0.0	0.12
(1,2570)	1:76:B:ASP:H	1:79:B:GLU:HA	2	0.12	0.0	0.12
(1,3143)	1:93:A:ASP:H	1:93:A:ASP:HB2	2	0.12	0.0	0.12
(1,1057)	1:68:A:ASP:HA	1:67:A:LEU:HB2	2	0.12	0.0	0.12
(1,1058)	1:68:B:ASP:HA	1:67:B:LEU:HB2	2	0.12	0.0	0.12
(1,3144)	1:93:B:ASP:H	1:93:B:ASP:HB2	2	0.12	0.0	0.12
(1,3828)	1:79:B:GLU:H	1:76:B:ASP:HB3	2	0.12	0.0	0.12
(1,166)	1:11:B:GLU:HG3	1:10:B:THR:H	2	0.11	0.01	0.11
(1,1156)	1:76:B:ASP:HB2	1:76:B:ASP:HB3	2	0.11	0.0	0.11
(1,3123)	1:21:A:PHE:H	1:21:A:PHE:HB3	2	0.11	0.0	0.11
(1,3124)	1:21:B:PHE:H	1:21:B:PHE:HB3	2	0.11	0.0	0.11
(1,165)	1:11:A:GLU:HG3	1:10:A:THR:H	2	0.11	0.0	0.11
(1,3827)	1:79:A:GLU:H	1:76:A:ASP:HB3	2	0.11	0.0	0.11
(3,21)	1:25:A:ALA:N	1:21:A:PHE:O	2	0.11	0.0	0.11
(1,679)	1:63:A:MET:HG2	1:60:A:LEU:HB3	2	0.1	0.0	0.1

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

9.5 All violated distance restraints (i)

9.5.1 Histogram : Distribution of distance violations (i)

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)
(1,4936)	1:67:B:LEU:HD12	1:47:B:LEU:HG	2	3.18
(1,4935)	1:67:A:LEU:HD12	1:47:A:LEU:HG	2	3.18
(1,4936)	1:67:B:LEU:HD13	1:33:B:THR:HG22	15	3.11
(1,4935)	1:67:A:LEU:HD13	1:33:A:THR:HG22	15	3.11
(1,4936)	1:67:B:LEU:HD12	1:33:B:THR:HG22	1	3.1
(1,4936)	1:67:B:LEU:HD13	1:33:B:THR:HG21	6	3.09
(1,4935)	1:67:A:LEU:HD12	1:33:A:THR:HG22	1	3.09
(1,4935)	1:67:A:LEU:HD13	1:33:A:THR:HG21	6	3.09
(1,4282)	1:20:B:VAL:HG13	1:81:B:LEU:HD22	6	3.06
(1,4281)	1:20:A:VAL:HG13	1:81:A:LEU:HD22	6	3.06
(1,4936)	1:67:B:LEU:HD13	1:47:B:LEU:HG	4	3.04
(1,4935)	1:67:A:LEU:HD13	1:47:A:LEU:HG	4	3.04
(1,4654)	1:94:B:SER:HB2	1:100:B:PRO:HB3	17	3.04
(1,4653)	1:94:A:SER:HB2	1:100:A:PRO:HB3	17	3.03
(1,2068)	1:13:B:CYS:HB2	1:13:A:CYS:HB2	15	3.02
(1,2067)	1:13:A:CYS:HB2	1:13:B:CYS:HB2	15	3.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3910)	1:82:B:ASN:HB2	1:77:B:PHE:HB3	20	3.01
(1,3909)	1:82:A:ASN:HB2	1:77:A:PHE:HB3	20	3.01
(1,4936)	1:67:B:LEU:HD13	1:33:B:THR:HG22	16	2.97
(1,4935)	1:67:A:LEU:HD13	1:33:A:THR:HG22	16	2.97
(1,4936)	1:67:B:LEU:HD12	1:59:B:VAL:HG11	8	2.96
(1,4936)	1:67:B:LEU:HD13	1:59:B:VAL:HG13	10	2.96
(1,4936)	1:67:B:LEU:HD12	1:33:B:THR:HG21	14	2.96
(1,4935)	1:67:A:LEU:HD13	1:59:A:VAL:HG13	10	2.96
(1,4935)	1:67:A:LEU:HD12	1:33:A:THR:HG21	14	2.96
(1,4935)	1:67:A:LEU:HD12	1:33:A:THR:HG21	18	2.96
(1,4936)	1:67:B:LEU:HD12	1:33:B:THR:HG21	18	2.95
(1,4935)	1:67:A:LEU:HD12	1:59:A:VAL:HG11	8	2.95
(1,4936)	1:67:B:LEU:HD13	1:33:B:THR:HG21	3	2.94
(1,4935)	1:67:A:LEU:HD13	1:33:A:THR:HG21	3	2.94
(1,4935)	1:67:A:LEU:HD13	1:33:A:THR:HG22	17	2.93
(1,4936)	1:67:B:LEU:HD13	1:33:B:THR:HG22	17	2.92
(1,2068)	1:13:B:CYS:HB2	1:13:A:CYS:HB2	19	2.92
(1,2067)	1:13:A:CYS:HB2	1:13:B:CYS:HB2	19	2.92
(1,5058)	1:45:B:THR:HG23	1:47:B:LEU:HG	13	2.9
(1,4936)	1:67:B:LEU:HD11	1:59:B:VAL:HG13	12	2.9
(1,4935)	1:67:A:LEU:HD11	1:59:A:VAL:HG13	12	2.9
(1,5057)	1:45:A:THR:HG23	1:47:A:LEU:HG	13	2.89
(1,4936)	1:67:B:LEU:HD12	1:47:B:LEU:HG	13	2.87
(1,4935)	1:67:A:LEU:HD12	1:47:A:LEU:HG	13	2.87
(1,1328)	1:34:B:LEU:HB2	1:39:B:PHE:HB3	9	2.87
(1,2068)	1:13:B:CYS:HB2	1:13:A:CYS:HB2	5	2.86
(1,2067)	1:13:A:CYS:HB2	1:13:B:CYS:HB2	5	2.86
(1,1327)	1:34:A:LEU:HB2	1:39:A:PHE:HB3	9	2.86
(1,4936)	1:67:B:LEU:HD13	1:47:B:LEU:HG	5	2.84
(1,4936)	1:67:B:LEU:HD13	1:33:B:THR:HG22	20	2.84
(1,4935)	1:67:A:LEU:HD13	1:47:A:LEU:HG	5	2.84
(1,4935)	1:67:A:LEU:HD13	1:33:A:THR:HG22	20	2.84
(1,2068)	1:13:B:CYS:HB2	1:13:A:CYS:HB2	2	2.83
(1,2067)	1:13:A:CYS:HB2	1:13:B:CYS:HB2	2	2.83
(1,2068)	1:13:B:CYS:HB2	1:13:A:CYS:HB2	11	2.82
(1,2068)	1:13:B:CYS:HB2	1:13:A:CYS:HB2	14	2.82
(1,2068)	1:13:B:CYS:HB2	1:13:A:CYS:HB2	20	2.82
(1,2067)	1:13:A:CYS:HB2	1:13:B:CYS:HB2	11	2.82
(1,2067)	1:13:A:CYS:HB2	1:13:B:CYS:HB2	14	2.82
(1,2067)	1:13:A:CYS:HB2	1:13:B:CYS:HB2	20	2.82
(1,2068)	1:13:B:CYS:HB2	1:13:A:CYS:HB2	6	2.81
(1,2067)	1:13:A:CYS:HB2	1:13:B:CYS:HB2	6	2.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2068)	1:13:B:CYS:HB2	1:13:A:CYS:HB2	3	2.79
(1,2068)	1:13:B:CYS:HB2	1:13:A:CYS:HB2	8	2.79
(1,2067)	1:13:A:CYS:HB2	1:13:B:CYS:HB2	3	2.79
(1,2067)	1:13:A:CYS:HB2	1:13:B:CYS:HB2	8	2.79
(1,3396)	1:81:B:LEU:HD11	1:17:A:LEU:HD11	6	2.76
(1,3395)	1:81:A:LEU:HD11	1:17:B:LEU:HD11	6	2.76
(1,2068)	1:13:B:CYS:HB2	1:13:A:CYS:HB2	10	2.76
(1,2068)	1:13:B:CYS:HB2	1:13:A:CYS:HB2	17	2.76
(1,2067)	1:13:A:CYS:HB2	1:13:B:CYS:HB2	10	2.76
(1,2067)	1:13:A:CYS:HB2	1:13:B:CYS:HB2	17	2.76
(1,1328)	1:34:B:LEU:HB2	1:39:B:PHE:HB3	6	2.73
(1,1327)	1:34:A:LEU:HB2	1:39:A:PHE:HB3	6	2.73
(1,4282)	1:20:B:VAL:HG13	1:81:B:LEU:HD21	16	2.72
(1,4281)	1:20:A:VAL:HG13	1:81:A:LEU:HD21	16	2.72
(1,4936)	1:67:B:LEU:HD11	1:59:B:VAL:HG12	11	2.71
(1,4935)	1:67:A:LEU:HD11	1:59:A:VAL:HG12	11	2.71
(1,1328)	1:34:B:LEU:HB2	1:39:B:PHE:HB3	3	2.7
(1,1327)	1:34:A:LEU:HB2	1:39:A:PHE:HB3	3	2.7
(1,4282)	1:20:B:VAL:HG12	1:81:B:LEU:HD22	10	2.69
(1,4281)	1:20:A:VAL:HG12	1:81:A:LEU:HD22	10	2.69
(1,1327)	1:34:A:LEU:HB2	1:39:A:PHE:HB3	7	2.61
(1,5058)	1:45:B:THR:HG21	1:47:B:LEU:HG	2	2.6
(1,5057)	1:45:A:THR:HG21	1:47:A:LEU:HG	2	2.6
(1,1328)	1:34:B:LEU:HB2	1:39:B:PHE:HB3	7	2.6
(1,5058)	1:45:B:THR:HG23	1:47:B:LEU:HG	16	2.59
(1,5057)	1:45:A:THR:HG23	1:47:A:LEU:HG	16	2.59
(1,4936)	1:67:B:LEU:HD11	1:47:B:LEU:HG	9	2.59
(1,4935)	1:67:A:LEU:HD11	1:47:A:LEU:HG	9	2.59
(1,1328)	1:34:B:LEU:HB2	1:39:B:PHE:HB3	4	2.59
(1,1327)	1:34:A:LEU:HB2	1:39:A:PHE:HB3	4	2.59
(1,4654)	1:94:B:SER:HB2	1:100:B:PRO:HG3	4	2.58
(1,5058)	1:45:B:THR:HG21	1:47:B:LEU:HG	8	2.57
(1,5058)	1:45:B:THR:HG21	1:47:B:LEU:HG	19	2.57
(1,5057)	1:45:A:THR:HG21	1:47:A:LEU:HG	19	2.57
(1,5058)	1:45:B:THR:HG21	1:47:B:LEU:HG	3	2.56
(1,5057)	1:45:A:THR:HG21	1:47:A:LEU:HG	8	2.56
(1,4653)	1:94:A:SER:HB2	1:100:A:PRO:HG3	4	2.56
(1,5058)	1:45:B:THR:HG21	1:47:B:LEU:HG	1	2.55
(1,5058)	1:45:B:THR:HG21	1:47:B:LEU:HG	12	2.55
(1,5057)	1:45:A:THR:HG21	1:47:A:LEU:HG	1	2.55
(1,5057)	1:45:A:THR:HG21	1:47:A:LEU:HG	3	2.55
(1,5057)	1:45:A:THR:HG21	1:47:A:LEU:HG	12	2.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4282)	1:20:B:VAL:HG12	1:81:B:LEU:HD23	1	2.55
(1,4281)	1:20:A:VAL:HG12	1:81:A:LEU:HD23	1	2.55
(1,4936)	1:67:B:LEU:HD12	1:47:B:LEU:HG	7	2.54
(1,4935)	1:67:A:LEU:HD12	1:47:A:LEU:HG	7	2.54
(1,5057)	1:45:A:THR:HG23	1:47:A:LEU:HG	18	2.52
(1,4920)	1:52:B:LYS:HA	1:43:B:MET:HB3	19	2.52
(1,4919)	1:52:A:LYS:HA	1:43:A:MET:HB3	19	2.52
(1,5058)	1:45:B:THR:HG22	1:47:B:LEU:HG	15	2.51
(1,5058)	1:45:B:THR:HG23	1:47:B:LEU:HG	18	2.51
(1,5058)	1:45:B:THR:HG22	1:47:B:LEU:HG	20	2.51
(1,5057)	1:45:A:THR:HG22	1:47:A:LEU:HG	15	2.51
(1,5057)	1:45:A:THR:HG22	1:47:A:LEU:HG	20	2.51
(1,3490)	1:13:B:CYS:HB2	1:81:A:LEU:HD21	14	2.51
(1,3489)	1:13:A:CYS:HB2	1:81:B:LEU:HD21	14	2.51
(1,1328)	1:34:B:LEU:HB2	1:39:B:PHE:HB3	1	2.51
(1,1327)	1:34:A:LEU:HB2	1:39:A:PHE:HB3	1	2.51
(1,5058)	1:45:B:THR:HG22	1:47:B:LEU:HG	4	2.5
(1,5057)	1:45:A:THR:HG22	1:47:A:LEU:HG	4	2.5
(1,4936)	1:67:B:LEU:HD13	1:59:B:VAL:HG11	19	2.5
(1,4935)	1:67:A:LEU:HD13	1:59:A:VAL:HG11	19	2.5
(1,3713)	1:46:A:GLU:HB3	1:34:A:LEU:HD21	3	2.49
(1,4592)	1:99:B:VAL:HG22	1:96:B:LEU:HD12	5	2.48
(1,4591)	1:99:A:VAL:HG22	1:96:A:LEU:HD12	5	2.48
(1,4282)	1:20:B:VAL:HG11	1:81:B:LEU:HD23	14	2.48
(1,4281)	1:20:A:VAL:HG11	1:81:A:LEU:HD23	14	2.48
(1,3714)	1:46:B:GLU:HB3	1:34:B:LEU:HD21	3	2.48
(1,3713)	1:46:A:GLU:HB3	1:87:A:LEU:HD23	17	2.48
(1,1328)	1:34:B:LEU:HB2	1:39:B:PHE:HB3	2	2.48
(1,1327)	1:34:A:LEU:HB2	1:39:A:PHE:HB3	2	2.48
(1,5058)	1:45:B:THR:HG22	1:47:B:LEU:HG	17	2.47
(1,5057)	1:45:A:THR:HG22	1:47:A:LEU:HG	17	2.47
(1,3714)	1:46:B:GLU:HB3	1:87:B:LEU:HD23	17	2.47
(1,4846)	1:66:B:LYS:HE2	1:62:B:ARG:HD3	20	2.46
(1,4845)	1:66:A:LYS:HE2	1:62:A:ARG:HD3	20	2.46
(1,140)	1:58:B:GLY:HA3	1:36:B:LYS:HE3	9	2.46
(1,5058)	1:45:B:THR:HG23	1:47:B:LEU:HG	5	2.45
(1,5057)	1:45:A:THR:HG23	1:47:A:LEU:HG	5	2.45
(1,4920)	1:52:B:LYS:HA	1:43:B:MET:HB3	20	2.45
(1,4919)	1:52:A:LYS:HA	1:43:A:MET:HB3	20	2.45
(1,4654)	1:94:B:SER:HB2	1:100:B:PRO:HG3	7	2.45
(1,4653)	1:94:A:SER:HB2	1:100:A:PRO:HG3	7	2.45
(1,1328)	1:34:B:LEU:HB2	1:39:B:PHE:HB3	13	2.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1327)	1:34:A:LEU:HB2	1:39:A:PHE:HB3	13	2.45
(1,139)	1:58:A:GLY:HA3	1:36:A:LYS:HE3	9	2.45
(1,4920)	1:71:B:SER:HA	1:67:B:LEU:HB2	17	2.43
(1,3490)	1:13:B:CYS:HB2	1:81:A:LEU:HD21	15	2.43
(1,3489)	1:13:A:CYS:HB2	1:81:B:LEU:HD21	15	2.43
(1,3489)	1:13:A:CYS:HB2	1:81:B:LEU:HD22	17	2.43
(1,1328)	1:34:B:LEU:HB2	1:39:B:PHE:HB3	8	2.43
(1,1327)	1:34:A:LEU:HB2	1:39:A:PHE:HB3	8	2.43
(1,140)	1:58:B:GLY:HA3	1:36:B:LYS:HE2	7	2.43
(1,139)	1:58:A:GLY:HA3	1:36:A:LYS:HE2	7	2.43
(1,4919)	1:71:A:SER:HA	1:67:A:LEU:HB2	17	2.42
(1,5058)	1:45:B:THR:HG22	1:47:B:LEU:HG	14	2.41
(1,5057)	1:45:A:THR:HG22	1:47:A:LEU:HG	14	2.41
(1,4021)	1:49:A:ALA:HB3	1:52:A:LYS:HE2	2	2.41
(1,5058)	1:45:B:THR:HG22	1:47:B:LEU:HG	10	2.4
(1,5057)	1:45:A:THR:HG22	1:47:A:LEU:HG	10	2.4
(1,4096)	1:17:B:LEU:HD13	1:89:A:MET:HG3	10	2.4
(1,4022)	1:49:B:ALA:HB3	1:52:B:LYS:HE2	2	2.4
(1,3714)	1:46:B:GLU:HB3	1:34:B:LEU:HD22	15	2.4
(1,140)	1:58:B:GLY:HA3	1:36:B:LYS:HE3	11	2.4
(1,4095)	1:17:A:LEU:HD13	1:89:B:MET:HG3	10	2.39
(1,3714)	1:46:B:GLU:HB3	1:34:B:LEU:HD23	16	2.39
(1,3713)	1:46:A:GLU:HB3	1:34:A:LEU:HD22	15	2.39
(1,3713)	1:46:A:GLU:HB3	1:34:A:LEU:HD23	16	2.39
(1,3490)	1:13:B:CYS:HB2	1:81:A:LEU:HD22	17	2.39
(1,3489)	1:13:A:CYS:HB2	1:81:B:LEU:HD22	6	2.39
(1,139)	1:58:A:GLY:HA3	1:36:A:LYS:HE3	11	2.39
(1,5058)	1:45:B:THR:HG23	1:47:B:LEU:HG	9	2.38
(1,5057)	1:45:A:THR:HG23	1:47:A:LEU:HG	9	2.38
(1,3490)	1:13:B:CYS:HB2	1:81:A:LEU:HD22	6	2.38
(1,412)	1:62:B:ARG:HD2	1:59:B:VAL:HG12	20	2.38
(1,411)	1:62:A:ARG:HD2	1:59:A:VAL:HG12	20	2.38
(1,4920)	1:71:B:SER:HA	1:67:B:LEU:HB2	11	2.37
(1,4920)	1:52:B:LYS:HA	1:43:B:MET:HB3	15	2.37
(1,4919)	1:52:A:LYS:HA	1:43:A:MET:HB3	15	2.37
(1,4919)	1:71:A:SER:HA	1:67:A:LEU:HB2	11	2.36
(1,3702)	1:52:B:LYS:HD2	1:44:B:ASN:HB3	14	2.36
(1,3701)	1:52:A:LYS:HD2	1:44:A:ASN:HB3	14	2.36
(1,1328)	1:34:B:LEU:HB2	1:39:B:PHE:HB3	18	2.36
(1,1327)	1:34:A:LEU:HB2	1:39:A:PHE:HB3	18	2.36
(1,140)	1:58:B:GLY:HA3	1:36:B:LYS:HE3	18	2.35
(1,139)	1:58:A:GLY:HA3	1:36:A:LYS:HE3	18	2.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4282)	1:20:B:VAL:HG13	1:81:B:LEU:HD23	13	2.34
(1,1328)	1:34:B:LEU:HB2	1:39:B:PHE:HB3	17	2.34
(1,140)	1:58:B:GLY:HA3	1:36:B:LYS:HE3	16	2.34
(1,139)	1:58:A:GLY:HA3	1:36:A:LYS:HE3	16	2.34
(1,4282)	1:20:B:VAL:HG12	1:81:B:LEU:HD21	8	2.33
(1,4281)	1:20:A:VAL:HG13	1:81:A:LEU:HD23	13	2.33
(1,3714)	1:46:B:GLU:HB3	1:34:B:LEU:HD22	2	2.33
(1,3713)	1:46:A:GLU:HB3	1:34:A:LEU:HD22	2	2.33
(1,1327)	1:34:A:LEU:HB2	1:39:A:PHE:HB3	17	2.33
(1,5058)	1:45:B:THR:HG21	1:47:B:LEU:HG	7	2.32
(1,5057)	1:45:A:THR:HG21	1:47:A:LEU:HG	7	2.32
(1,4281)	1:20:A:VAL:HG12	1:81:A:LEU:HD21	8	2.32
(1,3714)	1:46:B:GLU:HB3	1:87:B:LEU:HD21	8	2.32
(1,3713)	1:46:A:GLU:HB3	1:87:A:LEU:HD21	8	2.32
(1,3674)	1:75:B:LEU:HB3	1:63:B:MET:HB2	9	2.32
(1,3673)	1:75:A:LEU:HB3	1:63:A:MET:HB2	9	2.32
(1,4282)	1:20:B:VAL:HG13	1:81:B:LEU:HD23	20	2.31
(1,4281)	1:20:A:VAL:HG13	1:81:A:LEU:HD23	20	2.31
(1,140)	1:58:B:GLY:HA3	1:36:B:LYS:HE2	2	2.31
(1,139)	1:58:A:GLY:HA3	1:36:A:LYS:HE2	2	2.31
(1,5057)	1:45:A:THR:HG23	1:47:A:LEU:HG	6	2.3
(1,4920)	1:71:B:SER:HA	1:67:B:LEU:HB2	8	2.3
(1,4919)	1:71:A:SER:HA	1:67:A:LEU:HB2	8	2.3
(1,4845)	1:97:A:LYS:HE3	1:95:A:PHE:HB2	9	2.3
(1,4654)	1:94:B:SER:HB2	1:100:B:PRO:HB3	8	2.3
(1,5058)	1:45:B:THR:HG23	1:47:B:LEU:HG	6	2.29
(1,4846)	1:97:B:LYS:HE3	1:95:B:PHE:HB2	9	2.29
(1,4654)	1:94:B:SER:HB2	1:100:B:PRO:HB3	19	2.29
(1,4653)	1:94:A:SER:HB2	1:100:A:PRO:HB3	8	2.29
(1,4168)	1:20:B:VAL:HB	1:34:B:LEU:HD21	4	2.29
(1,4167)	1:20:A:VAL:HB	1:34:A:LEU:HD21	4	2.29
(1,4136)	1:20:B:VAL:HB	1:34:B:LEU:HD21	4	2.29
(1,4135)	1:20:A:VAL:HB	1:34:A:LEU:HD21	4	2.29
(1,4653)	1:94:A:SER:HB2	1:100:A:PRO:HB3	19	2.28
(1,4592)	1:99:B:VAL:HG23	1:96:B:LEU:HD11	14	2.28
(1,4591)	1:99:A:VAL:HG23	1:96:A:LEU:HD11	14	2.28
(1,3806)	1:99:B:VAL:HG12	1:96:B:LEU:HD23	7	2.28
(1,3805)	1:99:A:VAL:HG12	1:96:A:LEU:HD23	7	2.28
(1,3489)	1:13:A:CYS:HB2	1:81:B:LEU:HD23	8	2.28
(1,140)	1:58:B:GLY:HA3	1:36:B:LYS:HE3	10	2.28
(1,139)	1:58:A:GLY:HA3	1:36:A:LYS:HE3	10	2.28
(1,4654)	1:94:B:SER:HB2	1:100:B:PRO:HB3	3	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4653)	1:94:A:SER:HB2	1:100:A:PRO:HB3	3	2.27
(1,4282)	1:20:B:VAL:HG11	1:81:B:LEU:HD23	19	2.26
(1,3713)	1:46:A:GLU:HB3	1:87:A:LEU:HD22	1	2.26
(1,4592)	1:99:B:VAL:HG23	1:96:B:LEU:HD13	9	2.25
(1,4281)	1:20:A:VAL:HG11	1:81:A:LEU:HD23	19	2.25
(1,3714)	1:46:B:GLU:HB3	1:87:B:LEU:HD22	1	2.25
(1,3490)	1:13:B:CYS:HB2	1:81:A:LEU:HD23	8	2.25
(1,4591)	1:99:A:VAL:HG23	1:96:A:LEU:HD13	9	2.24
(1,3714)	1:46:B:GLU:HB3	1:34:B:LEU:HD21	5	2.24
(1,3713)	1:46:A:GLU:HB3	1:34:A:LEU:HD21	5	2.24
(1,3490)	1:13:B:CYS:HB2	1:81:A:LEU:HD23	10	2.24
(1,3489)	1:13:A:CYS:HB2	1:81:B:LEU:HD23	10	2.24
(1,4920)	1:52:B:LYS:HA	1:43:B:MET:HB3	14	2.23
(1,4919)	1:52:A:LYS:HA	1:43:A:MET:HB3	14	2.22
(1,3490)	1:13:B:CYS:HB2	1:81:A:LEU:HD21	19	2.22
(1,3490)	1:13:B:CYS:HB2	1:81:A:LEU:HD22	20	2.22
(1,140)	1:58:B:GLY:HA3	1:36:B:LYS:HE2	15	2.22
(1,139)	1:58:A:GLY:HA3	1:36:A:LYS:HE2	15	2.22
(1,4920)	1:71:B:SER:HA	1:67:B:LEU:HB2	13	2.21
(1,4919)	1:71:A:SER:HA	1:67:A:LEU:HB2	13	2.21
(1,3489)	1:13:A:CYS:HB2	1:81:B:LEU:HD22	20	2.21
(1,140)	1:58:B:GLY:HA3	1:36:B:LYS:HE2	6	2.21
(1,4920)	1:52:B:LYS:HA	1:43:B:MET:HB3	7	2.2
(1,4919)	1:52:A:LYS:HA	1:43:A:MET:HB3	7	2.2
(1,4381)	1:46:A:GLU:HB3	1:49:A:ALA:HB1	1	2.2
(1,4282)	1:20:B:VAL:HG11	1:81:B:LEU:HD23	2	2.2
(1,4282)	1:20:B:VAL:HG13	1:81:B:LEU:HD21	3	2.2
(1,4281)	1:20:A:VAL:HG11	1:81:A:LEU:HD23	2	2.2
(1,4281)	1:20:A:VAL:HG13	1:81:A:LEU:HD21	3	2.2
(1,139)	1:58:A:GLY:HA3	1:36:A:LYS:HE2	6	2.2
(1,4920)	1:71:B:SER:HA	1:67:B:LEU:HB2	9	2.19
(1,4919)	1:71:A:SER:HA	1:67:A:LEU:HB2	9	2.19
(1,4845)	1:52:A:LYS:HE2	1:50:A:PHE:HB3	13	2.19
(1,4591)	1:99:A:VAL:HG22	1:96:A:LEU:HD13	16	2.19
(1,4382)	1:49:B:ALA:HB1	1:14:A:ILE:HG21	1	2.19
(1,4168)	1:20:B:VAL:HB	1:34:B:LEU:HD22	15	2.19
(1,4167)	1:20:A:VAL:HB	1:34:A:LEU:HD22	15	2.19
(1,4136)	1:20:B:VAL:HB	1:34:B:LEU:HD22	15	2.19
(1,4135)	1:20:A:VAL:HB	1:34:A:LEU:HD22	15	2.19
(1,3489)	1:13:A:CYS:HB2	1:81:B:LEU:HD23	11	2.19
(1,3386)	1:83:B:LEU:HD22	1:11:A:GLU:HG2	6	2.19
(1,4846)	1:97:B:LYS:HE2	1:95:B:PHE:HB3	12	2.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4846)	1:52:B:LYS:HE2	1:50:B:PHE:HB3	13	2.18
(1,4630)	1:97:B:LYS:HE2	1:95:B:PHE:HB3	12	2.18
(1,4592)	1:99:B:VAL:HG22	1:96:B:LEU:HD13	16	2.18
(1,4591)	1:99:A:VAL:HG22	1:96:A:LEU:HD11	12	2.18
(1,4282)	1:20:B:VAL:HG13	1:81:B:LEU:HD21	11	2.18
(1,4281)	1:20:A:VAL:HG13	1:81:A:LEU:HD21	11	2.18
(1,4168)	1:20:B:VAL:HB	1:18:B:ILE:HG22	9	2.18
(1,4167)	1:20:A:VAL:HB	1:18:A:ILE:HG22	9	2.18
(1,4136)	1:20:B:VAL:HB	1:18:B:ILE:HG22	9	2.18
(1,4135)	1:20:A:VAL:HB	1:18:A:ILE:HG22	9	2.18
(1,3714)	1:46:B:GLU:HB3	1:87:B:LEU:HD21	7	2.18
(1,3713)	1:46:A:GLU:HB3	1:87:A:LEU:HD21	7	2.18
(1,4845)	1:97:A:LYS:HE2	1:95:A:PHE:HB3	12	2.17
(1,4629)	1:97:A:LYS:HE2	1:95:A:PHE:HB3	12	2.17
(1,4592)	1:99:B:VAL:HG22	1:96:B:LEU:HD11	12	2.17
(1,4382)	1:46:B:GLU:HB3	1:49:B:ALA:HB2	2	2.17
(1,4381)	1:46:A:GLU:HB3	1:49:A:ALA:HB2	2	2.17
(1,4294)	1:27:B:LYS:HB3	1:28:B:ASP:HB3	9	2.17
(1,4293)	1:27:A:LYS:HB3	1:28:A:ASP:HB3	9	2.17
(1,3606)	1:77:B:PHE:HB3	1:88:A:ALA:HB3	5	2.17
(1,3605)	1:77:A:PHE:HB3	1:88:B:ALA:HB2	4	2.17
(1,3605)	1:77:A:PHE:HB3	1:88:B:ALA:HB3	5	2.17
(1,3490)	1:13:B:CYS:HB2	1:81:A:LEU:HD23	11	2.17
(1,3489)	1:13:A:CYS:HB2	1:81:B:LEU:HD21	19	2.17
(1,3385)	1:83:A:LEU:HD22	1:11:B:GLU:HG2	6	2.17
(1,4630)	1:36:B:LYS:HE3	1:39:B:PHE:HB3	20	2.16
(1,4629)	1:36:A:LYS:HE3	1:39:A:PHE:HB3	20	2.16
(1,4592)	1:99:B:VAL:HG22	1:96:B:LEU:HD12	3	2.16
(1,4591)	1:99:A:VAL:HG22	1:96:A:LEU:HD12	3	2.16
(1,4460)	1:20:B:VAL:HG21	1:81:B:LEU:HD21	4	2.16
(1,4460)	1:20:B:VAL:HG22	1:81:B:LEU:HD21	15	2.16
(1,4459)	1:20:A:VAL:HG21	1:81:A:LEU:HD21	4	2.16
(1,3714)	1:46:B:GLU:HB3	1:87:B:LEU:HD22	19	2.16
(1,3713)	1:46:A:GLU:HB3	1:87:A:LEU:HD22	19	2.16
(1,3614)	1:52:B:LYS:HG3	1:59:B:VAL:HG11	9	2.16
(1,3613)	1:52:A:LYS:HG3	1:59:A:VAL:HG11	9	2.16
(1,3606)	1:77:B:PHE:HB3	1:88:A:ALA:HB2	4	2.16
(1,4459)	1:20:A:VAL:HG22	1:81:A:LEU:HD21	15	2.15
(1,4168)	1:20:B:VAL:HB	1:34:B:LEU:HD23	7	2.15
(1,4167)	1:20:A:VAL:HB	1:34:A:LEU:HD23	7	2.15
(1,4136)	1:20:B:VAL:HB	1:34:B:LEU:HD23	7	2.15
(1,4135)	1:20:A:VAL:HB	1:34:A:LEU:HD23	7	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4106)	1:47:B:LEU:HB2	1:11:A:GLU:HB3	4	2.14
(1,4106)	1:47:B:LEU:HB2	1:11:A:GLU:HB3	18	2.14
(1,4105)	1:47:A:LEU:HB2	1:11:B:GLU:HB3	7	2.14
(1,3490)	1:13:B:CYS:HB2	1:81:A:LEU:HD23	3	2.14
(1,4654)	1:94:B:SER:HB3	1:100:B:PRO:HB3	20	2.13
(1,4653)	1:94:A:SER:HB3	1:100:A:PRO:HB3	20	2.13
(1,4591)	1:99:A:VAL:HG23	1:96:A:LEU:HD11	2	2.13
(1,4576)	1:59:B:VAL:HG22	1:47:B:LEU:HD13	11	2.13
(1,4575)	1:59:A:VAL:HG22	1:47:A:LEU:HD13	11	2.13
(1,4282)	1:20:B:VAL:HG11	1:81:B:LEU:HD21	5	2.13
(1,4281)	1:20:A:VAL:HG11	1:81:A:LEU:HD21	5	2.13
(1,4281)	1:20:A:VAL:HG13	1:81:A:LEU:HD21	17	2.13
(1,4105)	1:47:A:LEU:HB2	1:11:B:GLU:HB3	18	2.13
(1,3489)	1:13:A:CYS:HB2	1:81:B:LEU:HD21	2	2.13
(1,3386)	1:17:B:LEU:HD21	1:11:A:GLU:HG2	18	2.13
(1,5058)	1:45:B:THR:HG23	1:47:B:LEU:HG	11	2.12
(1,5057)	1:45:A:THR:HG23	1:47:A:LEU:HG	11	2.12
(1,4920)	1:52:B:LYS:HA	1:43:B:MET:HB3	10	2.12
(1,4919)	1:52:A:LYS:HA	1:43:A:MET:HB3	10	2.12
(1,4902)	1:47:B:LEU:HD13	1:11:A:GLU:HB3	5	2.12
(1,4901)	1:47:A:LEU:HD13	1:11:B:GLU:HB3	5	2.12
(1,4654)	1:94:B:SER:HB2	1:100:B:PRO:HB3	15	2.12
(1,4592)	1:99:B:VAL:HG23	1:96:B:LEU:HD11	2	2.12
(1,4592)	1:99:B:VAL:HG22	1:96:B:LEU:HD11	15	2.12
(1,4591)	1:99:A:VAL:HG22	1:96:A:LEU:HD11	15	2.12
(1,4282)	1:20:B:VAL:HG13	1:81:B:LEU:HD21	17	2.12
(1,4106)	1:47:B:LEU:HB2	1:11:A:GLU:HB3	11	2.12
(1,4105)	1:47:A:LEU:HB2	1:11:B:GLU:HB3	11	2.12
(1,3674)	1:75:B:LEU:HB3	1:63:B:MET:HB2	11	2.12
(1,3673)	1:75:A:LEU:HB3	1:63:A:MET:HB2	11	2.12
(1,3614)	1:52:B:LYS:HG2	1:59:B:VAL:HG11	10	2.12
(1,3613)	1:52:A:LYS:HG2	1:59:A:VAL:HG11	10	2.12
(1,3490)	1:13:B:CYS:HB2	1:81:A:LEU:HD21	2	2.12
(1,3385)	1:17:A:LEU:HD21	1:11:B:GLU:HG2	18	2.12
(1,4653)	1:94:A:SER:HB2	1:100:A:PRO:HB3	15	2.11
(1,4106)	1:47:B:LEU:HB2	1:11:A:GLU:HB3	7	2.11
(1,4105)	1:47:A:LEU:HB2	1:11:B:GLU:HB3	1	2.11
(1,3490)	1:13:B:CYS:HB2	1:81:A:LEU:HD22	5	2.11
(1,3489)	1:13:A:CYS:HB2	1:81:B:LEU:HD23	3	2.11
(1,3489)	1:13:A:CYS:HB2	1:81:B:LEU:HD22	5	2.11
(1,139)	1:58:A:GLY:HA3	1:36:A:LYS:HE2	8	2.11
(1,4592)	1:99:B:VAL:HG23	1:96:B:LEU:HD12	10	2.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4591)	1:99:A:VAL:HG23	1:96:A:LEU:HD12	10	2.1
(1,4576)	1:59:B:VAL:HG22	1:47:B:LEU:HD13	9	2.1
(1,4575)	1:59:A:VAL:HG22	1:47:A:LEU:HD13	9	2.1
(1,4106)	1:47:B:LEU:HB2	1:11:A:GLU:HB3	1	2.1
(1,4105)	1:47:A:LEU:HB2	1:11:B:GLU:HB3	4	2.1
(1,3714)	1:46:B:GLU:HB3	1:87:B:LEU:HD21	6	2.1
(1,3714)	1:46:B:GLU:HB3	1:34:B:LEU:HD21	10	2.1
(1,3713)	1:46:A:GLU:HB3	1:87:A:LEU:HD23	4	2.1
(1,3713)	1:46:A:GLU:HB3	1:87:A:LEU:HD21	6	2.1
(1,3713)	1:46:A:GLU:HB3	1:34:A:LEU:HD21	10	2.1
(1,3614)	1:52:B:LYS:HG3	1:59:B:VAL:HG11	14	2.1
(1,3613)	1:52:A:LYS:HG3	1:59:A:VAL:HG11	14	2.1
(1,286)	1:75:B:LEU:HB3	1:39:B:PHE:HB3	1	2.1
(1,285)	1:75:A:LEU:HB3	1:39:A:PHE:HB3	1	2.1
(1,140)	1:58:B:GLY:HA3	1:36:B:LYS:HE2	8	2.1
(1,140)	1:58:B:GLY:HA3	1:36:B:LYS:HE3	13	2.1
(1,139)	1:58:A:GLY:HA3	1:36:A:LYS:HE3	13	2.1
(1,4575)	1:59:A:VAL:HG22	1:47:A:LEU:HD13	6	2.09
(1,4460)	1:20:B:VAL:HG21	1:81:B:LEU:HD21	9	2.09
(1,4022)	1:49:B:ALA:HB3	1:52:B:LYS:HE2	4	2.09
(1,4021)	1:49:A:ALA:HB3	1:52:A:LYS:HE2	4	2.09
(1,3714)	1:46:B:GLU:HB3	1:87:B:LEU:HD23	4	2.09
(1,4654)	1:94:B:SER:HB2	1:100:B:PRO:HB3	12	2.08
(1,4653)	1:94:A:SER:HB2	1:100:A:PRO:HB3	12	2.08
(1,4592)	1:99:B:VAL:HG22	1:96:B:LEU:HD12	20	2.08
(1,4591)	1:99:A:VAL:HG22	1:96:A:LEU:HD12	20	2.08
(1,4576)	1:59:B:VAL:HG22	1:47:B:LEU:HD13	6	2.08
(1,4459)	1:20:A:VAL:HG21	1:81:A:LEU:HD21	9	2.08
(1,3910)	1:82:B:ASN:HB2	1:75:B:LEU:HB2	3	2.08
(1,3909)	1:82:A:ASN:HB2	1:75:A:LEU:HB2	3	2.08
(1,3386)	1:83:B:LEU:HD23	1:11:A:GLU:HG2	15	2.08
(1,4592)	1:99:B:VAL:HG23	1:96:B:LEU:HD13	1	2.07
(1,4591)	1:99:A:VAL:HG23	1:96:A:LEU:HD13	1	2.07
(1,4106)	1:47:B:LEU:HB2	1:11:A:GLU:HB3	15	2.07
(1,3674)	1:75:B:LEU:HB3	1:63:B:MET:HB2	3	2.07
(1,3673)	1:75:A:LEU:HB3	1:63:A:MET:HB2	3	2.07
(1,3396)	1:81:B:LEU:HD11	1:17:A:LEU:HD13	16	2.07
(1,3385)	1:83:A:LEU:HD23	1:11:B:GLU:HG2	15	2.07
(1,268)	1:75:B:LEU:HB3	1:39:B:PHE:HB3	1	2.07
(1,267)	1:75:A:LEU:HB3	1:39:A:PHE:HB3	1	2.07
(1,140)	1:58:B:GLY:HA3	1:36:B:LYS:HE2	4	2.07
(1,140)	1:58:B:GLY:HA3	1:36:B:LYS:HE3	19	2.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,139)	1:58:A:GLY:HA3	1:36:A:LYS:HE2	4	2.07
(1,139)	1:58:A:GLY:HA3	1:36:A:LYS:HE3	19	2.07
(1,4592)	1:99:B:VAL:HG21	1:96:B:LEU:HD11	19	2.06
(1,4576)	1:59:B:VAL:HG22	1:47:B:LEU:HD13	10	2.06
(1,4576)	1:59:B:VAL:HG23	1:47:B:LEU:HD11	19	2.06
(1,4575)	1:59:A:VAL:HG22	1:47:A:LEU:HD13	10	2.06
(1,4575)	1:59:A:VAL:HG23	1:47:A:LEU:HD11	19	2.06
(1,3910)	1:82:B:ASN:HB2	1:75:B:LEU:HB2	11	2.06
(1,3909)	1:82:A:ASN:HB2	1:75:A:LEU:HB2	11	2.06
(1,3714)	1:46:B:GLU:HB3	1:87:B:LEU:HD23	14	2.06
(1,3713)	1:46:A:GLU:HB3	1:87:A:LEU:HD23	14	2.06
(1,3713)	1:46:A:GLU:HB3	1:87:A:LEU:HD22	20	2.06
(1,3674)	1:75:B:LEU:HB3	1:63:B:MET:HB2	18	2.06
(1,3673)	1:75:A:LEU:HB3	1:63:A:MET:HB2	18	2.06
(1,3395)	1:81:A:LEU:HD11	1:17:B:LEU:HD13	16	2.06
(1,3385)	1:83:A:LEU:HD23	1:11:B:GLU:HG2	14	2.06
(1,4592)	1:99:B:VAL:HG21	1:96:B:LEU:HD11	11	2.05
(1,4591)	1:99:A:VAL:HG21	1:96:A:LEU:HD11	19	2.05
(1,4576)	1:59:B:VAL:HG22	1:47:B:LEU:HD13	3	2.05
(1,4382)	1:49:B:ALA:HB2	1:14:A:ILE:HG23	15	2.05
(1,4221)	1:99:A:VAL:HG11	1:96:A:LEU:HD22	14	2.05
(1,4106)	1:47:B:LEU:HB2	1:11:A:GLU:HB3	8	2.05
(1,4105)	1:47:A:LEU:HB2	1:11:B:GLU:HB3	15	2.05
(1,3805)	1:99:A:VAL:HG11	1:96:A:LEU:HD22	14	2.05
(1,3714)	1:46:B:GLU:HB3	1:87:B:LEU:HD22	20	2.05
(1,3386)	1:83:B:LEU:HD23	1:11:A:GLU:HG2	14	2.05
(1,4919)	1:52:A:LYS:HA	1:43:A:MET:HB3	4	2.04
(1,4591)	1:99:A:VAL:HG21	1:96:A:LEU:HD11	11	2.04
(1,4576)	1:59:B:VAL:HG21	1:47:B:LEU:HD11	1	2.04
(1,4576)	1:59:B:VAL:HG21	1:47:B:LEU:HD13	12	2.04
(1,4575)	1:59:A:VAL:HG21	1:47:A:LEU:HD11	1	2.04
(1,4575)	1:59:A:VAL:HG22	1:47:A:LEU:HD13	3	2.04
(1,4382)	1:49:B:ALA:HB1	1:14:A:ILE:HG23	3	2.04
(1,4381)	1:49:A:ALA:HB2	1:14:B:ILE:HG23	15	2.04
(1,4222)	1:99:B:VAL:HG11	1:96:B:LEU:HD22	14	2.04
(1,4105)	1:47:A:LEU:HB2	1:11:B:GLU:HB3	8	2.04
(1,4021)	1:49:A:ALA:HB3	1:91:A:CYS:HB3	17	2.04
(1,4012)	1:81:B:LEU:HD22	1:89:A:MET:HG3	10	2.04
(1,4011)	1:81:A:LEU:HD22	1:89:B:MET:HG3	10	2.04
(1,3806)	1:99:B:VAL:HG11	1:96:B:LEU:HD22	14	2.04
(1,3386)	1:83:B:LEU:HD22	1:11:A:GLU:HG2	5	2.04
(1,3385)	1:83:A:LEU:HD22	1:11:B:GLU:HG2	5	2.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4920)	1:52:B:LYS:HA	1:43:B:MET:HB3	4	2.03
(1,4901)	1:47:A:LEU:HD12	1:14:B:ILE:HB	14	2.03
(1,4654)	1:94:B:SER:HB2	1:100:B:PRO:HB3	2	2.03
(1,4654)	1:94:B:SER:HB2	1:100:B:PRO:HB3	5	2.03
(1,4653)	1:94:A:SER:HB2	1:100:A:PRO:HB3	2	2.03
(1,4653)	1:94:A:SER:HB2	1:100:A:PRO:HB3	5	2.03
(1,4592)	1:99:B:VAL:HG22	1:96:B:LEU:HD13	6	2.03
(1,4575)	1:59:A:VAL:HG21	1:47:A:LEU:HD13	12	2.03
(1,4381)	1:49:A:ALA:HB1	1:14:B:ILE:HG23	3	2.03
(1,4106)	1:47:B:LEU:HB2	1:11:A:GLU:HB3	2	2.03
(1,4022)	1:49:B:ALA:HB3	1:91:B:CYS:HB3	17	2.03
(1,3882)	1:15:B:GLU:HG2	1:14:B:ILE:HD13	4	2.03
(1,3882)	1:15:B:GLU:HG2	1:14:B:ILE:HD11	9	2.03
(1,3881)	1:15:A:GLU:HG2	1:14:A:ILE:HD13	4	2.03
(1,140)	1:58:B:GLY:HA3	1:36:B:LYS:HE3	14	2.03
(1,139)	1:58:A:GLY:HA3	1:36:A:LYS:HE3	14	2.03
(1,4920)	1:52:B:LYS:HA	1:43:B:MET:HB3	1	2.02
(1,4902)	1:47:B:LEU:HD12	1:14:A:ILE:HB	14	2.02
(1,4591)	1:99:A:VAL:HG22	1:96:A:LEU:HD13	6	2.02
(1,4105)	1:47:A:LEU:HB2	1:11:B:GLU:HB3	2	2.02
(1,4022)	1:49:B:ALA:HB3	1:52:B:LYS:HE3	15	2.02
(1,4021)	1:49:A:ALA:HB3	1:52:A:LYS:HE3	15	2.02
(1,3910)	1:82:B:ASN:HB2	1:75:B:LEU:HB2	9	2.02
(1,3909)	1:82:A:ASN:HB2	1:75:A:LEU:HB2	9	2.02
(1,3881)	1:15:A:GLU:HG2	1:14:A:ILE:HD11	9	2.02
(1,3714)	1:46:B:GLU:HB3	1:34:B:LEU:HD22	18	2.02
(1,3713)	1:46:A:GLU:HB3	1:34:A:LEU:HD22	18	2.02
(1,140)	1:58:B:GLY:HA3	1:36:B:LYS:HE3	5	2.02
(1,139)	1:58:A:GLY:HA3	1:36:A:LYS:HE3	5	2.02
(1,4920)	1:71:B:SER:HA	1:67:B:LEU:HB2	12	2.01
(1,4919)	1:52:A:LYS:HA	1:43:A:MET:HB3	1	2.01
(1,4919)	1:71:A:SER:HA	1:67:A:LEU:HB2	12	2.01
(1,4919)	1:52:A:LYS:HA	1:43:A:MET:HB3	18	2.01
(1,4591)	1:99:A:VAL:HG23	1:96:A:LEU:HD11	8	2.01
(1,4576)	1:59:B:VAL:HG23	1:47:B:LEU:HD13	14	2.01
(1,4576)	1:59:B:VAL:HG23	1:47:B:LEU:HD13	18	2.01
(1,4293)	1:27:A:LYS:HB3	1:28:A:ASP:HB3	18	2.01
(1,4106)	1:47:B:LEU:HB2	1:11:A:GLU:HB3	6	2.01
(1,4105)	1:47:A:LEU:HB2	1:11:B:GLU:HB3	3	2.01
(1,3882)	1:15:B:GLU:HG2	1:14:B:ILE:HD11	1	2.01
(1,3881)	1:15:A:GLU:HG2	1:14:A:ILE:HD11	1	2.01
(1,3806)	1:99:B:VAL:HG13	1:96:B:LEU:HD12	18	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4920)	1:52:B:LYS:HA	1:43:B:MET:HB3	18	2.0
(1,4592)	1:99:B:VAL:HG23	1:96:B:LEU:HD11	8	2.0
(1,4576)	1:59:B:VAL:HG22	1:47:B:LEU:HD11	4	2.0
(1,4576)	1:59:B:VAL:HG21	1:47:B:LEU:HD12	8	2.0
(1,4575)	1:59:A:VAL:HG22	1:47:A:LEU:HD11	4	2.0
(1,4575)	1:59:A:VAL:HG21	1:47:A:LEU:HD12	8	2.0
(1,4575)	1:59:A:VAL:HG23	1:47:A:LEU:HD13	14	2.0
(1,4575)	1:59:A:VAL:HG23	1:47:A:LEU:HD13	18	2.0
(1,4294)	1:27:B:LYS:HB3	1:28:B:ASP:HB3	18	2.0
(1,4106)	1:47:B:LEU:HB2	1:11:A:GLU:HB2	12	2.0
(1,4105)	1:47:A:LEU:HB2	1:11:B:GLU:HB2	12	2.0
(1,4022)	1:49:B:ALA:HB3	1:91:B:CYS:HB3	3	2.0
(1,3805)	1:99:A:VAL:HG13	1:96:A:LEU:HD12	18	2.0
(1,3396)	1:81:B:LEU:HD13	1:17:A:LEU:HD12	13	2.0
(1,3395)	1:81:A:LEU:HD13	1:17:B:LEU:HD12	13	2.0
(1,4654)	1:94:B:SER:HB3	1:100:B:PRO:HB3	6	1.99
(1,4653)	1:94:A:SER:HB3	1:100:A:PRO:HB3	6	1.99
(1,4576)	1:59:B:VAL:HG23	1:47:B:LEU:HD11	13	1.99
(1,4575)	1:59:A:VAL:HG23	1:47:A:LEU:HD11	13	1.99
(1,4105)	1:47:A:LEU:HB2	1:11:B:GLU:HB3	6	1.99
(1,4036)	1:94:B:SER:HB3	1:14:A:ILE:HG22	11	1.99
(1,4035)	1:94:A:SER:HB3	1:14:B:ILE:HG22	11	1.99
(1,3695)	1:12:A:ARG:HD2	1:17:B:LEU:HD21	6	1.99
(1,4920)	1:52:B:LYS:HA	1:43:B:MET:HB3	6	1.98
(1,4382)	1:46:B:GLU:HB3	1:49:B:ALA:HB1	7	1.98
(1,4381)	1:46:A:GLU:HB3	1:49:A:ALA:HB1	7	1.98
(1,4294)	1:7:B:PRO:HB3	1:11:B:GLU:HG2	7	1.98
(1,4293)	1:7:A:PRO:HB3	1:11:A:GLU:HG2	7	1.98
(1,4106)	1:47:B:LEU:HB2	1:11:A:GLU:HB3	3	1.98
(1,4021)	1:49:A:ALA:HB3	1:91:A:CYS:HB3	3	1.98
(1,3881)	1:15:A:GLU:HG2	1:14:A:ILE:HD13	7	1.98
(1,3674)	1:75:B:LEU:HB3	1:63:B:MET:HB2	1	1.98
(1,3673)	1:75:A:LEU:HB3	1:63:A:MET:HB2	1	1.98
(1,4919)	1:52:A:LYS:HA	1:43:A:MET:HB3	6	1.97
(1,4654)	1:94:B:SER:HB2	1:100:B:PRO:HB3	13	1.97
(1,4382)	1:46:B:GLU:HB3	1:49:B:ALA:HB2	4	1.97
(1,4381)	1:46:A:GLU:HB3	1:49:A:ALA:HB2	4	1.97
(1,4105)	1:47:A:LEU:HB2	1:11:B:GLU:HB3	5	1.97
(1,3882)	1:15:B:GLU:HG2	1:14:B:ILE:HD13	7	1.97
(1,3696)	1:12:B:ARG:HD2	1:17:A:LEU:HD21	6	1.97
(1,3674)	1:75:B:LEU:HB3	1:63:B:MET:HB2	7	1.97
(1,3673)	1:75:A:LEU:HB3	1:63:A:MET:HB2	7	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4902)	1:47:B:LEU:HD12	1:14:A:ILE:HB	12	1.96
(1,4901)	1:47:A:LEU:HD12	1:14:B:ILE:HB	12	1.96
(1,4653)	1:94:A:SER:HB2	1:100:A:PRO:HB3	13	1.96
(1,4592)	1:99:B:VAL:HG23	1:96:B:LEU:HD12	7	1.96
(1,4591)	1:99:A:VAL:HG23	1:96:A:LEU:HD12	7	1.96
(1,4222)	1:99:B:VAL:HG23	1:96:B:LEU:HD12	7	1.96
(1,4221)	1:99:A:VAL:HG23	1:96:A:LEU:HD12	7	1.96
(1,4106)	1:47:B:LEU:HB2	1:11:A:GLU:HB3	5	1.96
(1,4105)	1:47:A:LEU:HB2	1:11:B:GLU:HB3	19	1.96
(1,4036)	1:94:B:SER:HB3	1:14:A:ILE:HG22	20	1.96
(1,4035)	1:94:A:SER:HB3	1:14:B:ILE:HG22	20	1.96
(1,3674)	1:75:B:LEU:HB3	1:63:B:MET:HB2	12	1.96
(1,3673)	1:75:A:LEU:HB3	1:63:A:MET:HB2	12	1.96
(1,3606)	1:77:B:PHE:HB3	1:88:A:ALA:HB2	19	1.96
(1,3605)	1:77:A:PHE:HB3	1:88:B:ALA:HB2	19	1.96
(1,3356)	1:14:B:ILE:HG23	1:47:A:LEU:HD13	16	1.96
(1,3355)	1:14:A:ILE:HG23	1:47:B:LEU:HD13	16	1.96
(1,320)	1:74:B:GLN:HB3	1:76:B:ASP:HB3	4	1.96
(1,286)	1:75:B:LEU:HB3	1:39:B:PHE:HB3	3	1.96
(1,285)	1:75:A:LEU:HB3	1:39:A:PHE:HB3	3	1.96
(1,5215)	1:34:A:LEU:H	1:21:A:PHE:HB3	5	1.95
(1,4576)	1:59:B:VAL:HG21	1:47:B:LEU:HD13	16	1.95
(1,4576)	1:59:B:VAL:HG21	1:47:B:LEU:HD13	17	1.95
(1,4575)	1:59:A:VAL:HG21	1:47:A:LEU:HD13	17	1.95
(1,4222)	1:99:B:VAL:HG12	1:96:B:LEU:HD23	6	1.95
(1,4221)	1:99:A:VAL:HG12	1:96:A:LEU:HD23	6	1.95
(1,4105)	1:47:A:LEU:HB2	1:11:B:GLU:HB3	14	1.95
(1,3806)	1:99:B:VAL:HG12	1:96:B:LEU:HD23	6	1.95
(1,3805)	1:99:A:VAL:HG12	1:96:A:LEU:HD23	6	1.95
(1,3714)	1:46:B:GLU:HB3	1:87:B:LEU:HD21	12	1.95
(1,3713)	1:46:A:GLU:HB3	1:87:A:LEU:HD21	12	1.95
(1,319)	1:74:A:GLN:HB3	1:76:A:ASP:HB3	4	1.95
(1,140)	1:58:B:GLY:HA3	1:36:B:LYS:HE3	20	1.95
(1,5216)	1:34:B:LEU:H	1:21:B:PHE:HB3	5	1.94
(1,4575)	1:59:A:VAL:HG21	1:47:A:LEU:HD13	16	1.94
(1,4221)	1:99:A:VAL:HG13	1:96:A:LEU:HD22	11	1.94
(1,4106)	1:47:B:LEU:HB2	1:11:A:GLU:HB3	14	1.94
(1,3805)	1:99:A:VAL:HG13	1:96:A:LEU:HD22	11	1.94
(1,542)	1:15:B:GLU:HG3	1:18:B:ILE:HG22	16	1.94
(1,541)	1:15:A:GLU:HG3	1:18:A:ILE:HG22	16	1.94
(1,139)	1:58:A:GLY:HA3	1:36:A:LYS:HE3	20	1.94
(1,4902)	1:47:B:LEU:HD13	1:11:A:GLU:HB3	16	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4282)	1:20:B:VAL:HG11	1:81:B:LEU:HD23	18	1.93
(1,4281)	1:20:A:VAL:HG11	1:81:A:LEU:HD23	18	1.93
(1,4222)	1:99:B:VAL:HG13	1:96:B:LEU:HD22	11	1.93
(1,4106)	1:47:B:LEU:HB2	1:11:A:GLU:HB2	13	1.93
(1,4106)	1:47:B:LEU:HB2	1:11:A:GLU:HB3	19	1.93
(1,4105)	1:47:A:LEU:HB2	1:11:B:GLU:HB2	13	1.93
(1,4022)	1:49:B:ALA:HB3	1:91:B:CYS:HB3	19	1.93
(1,4021)	1:49:A:ALA:HB3	1:91:A:CYS:HB3	19	1.93
(1,3806)	1:99:B:VAL:HG13	1:96:B:LEU:HD22	11	1.93
(1,3614)	1:52:B:LYS:HG2	1:59:B:VAL:HG11	18	1.93
(1,3613)	1:52:A:LYS:HG2	1:59:A:VAL:HG11	18	1.93
(1,268)	1:75:B:LEU:HB3	1:39:B:PHE:HB3	3	1.93
(1,267)	1:75:A:LEU:HB3	1:39:A:PHE:HB3	3	1.93
(1,4901)	1:47:A:LEU:HD13	1:11:B:GLU:HB3	16	1.92
(1,4106)	1:47:B:LEU:HB2	1:11:A:GLU:HB3	10	1.92
(1,4105)	1:47:A:LEU:HB2	1:11:B:GLU:HB3	10	1.92
(1,3385)	1:83:A:LEU:HD21	1:11:B:GLU:HG2	19	1.92
(1,54)	1:83:B:LEU:HD23	1:14:A:ILE:HG13	15	1.92
(1,4901)	1:47:A:LEU:HD13	1:11:B:GLU:HB3	19	1.91
(1,4654)	1:94:B:SER:HB2	1:100:B:PRO:HB3	16	1.91
(1,4653)	1:94:A:SER:HB2	1:100:A:PRO:HB3	16	1.91
(1,4221)	1:99:A:VAL:HG12	1:96:A:LEU:HD21	12	1.91
(1,4036)	1:94:B:SER:HB3	1:99:B:VAL:HG12	9	1.91
(1,4036)	1:94:B:SER:HB3	1:99:B:VAL:HG13	12	1.91
(1,4035)	1:94:A:SER:HB3	1:99:A:VAL:HG12	9	1.91
(1,4035)	1:94:A:SER:HB3	1:99:A:VAL:HG13	12	1.91
(1,4022)	1:49:B:ALA:HB2	1:91:B:CYS:HB3	14	1.91
(1,4021)	1:49:A:ALA:HB2	1:91:A:CYS:HB3	14	1.91
(1,3882)	1:15:B:GLU:HG2	1:14:B:ILE:HD11	16	1.91
(1,3881)	1:15:A:GLU:HG2	1:14:A:ILE:HD11	16	1.91
(1,3805)	1:99:A:VAL:HG12	1:96:A:LEU:HD21	12	1.91
(1,3734)	1:90:B:ALA:HA	1:87:B:LEU:HD21	20	1.91
(1,3733)	1:90:A:ALA:HA	1:87:A:LEU:HD21	20	1.91
(1,53)	1:83:A:LEU:HD21	1:14:B:ILE:HG13	15	1.91
(1,4575)	1:59:A:VAL:HG23	1:47:A:LEU:HD12	2	1.9
(1,4222)	1:99:B:VAL:HG11	1:96:B:LEU:HD22	9	1.9
(1,4222)	1:99:B:VAL:HG12	1:96:B:LEU:HD21	12	1.9
(1,4221)	1:99:A:VAL:HG11	1:96:A:LEU:HD22	9	1.9
(1,4168)	1:20:B:VAL:HB	1:34:B:LEU:HD23	20	1.9
(1,4167)	1:20:A:VAL:HB	1:34:A:LEU:HD23	20	1.9
(1,4136)	1:20:B:VAL:HB	1:34:B:LEU:HD23	20	1.9
(1,4135)	1:20:A:VAL:HB	1:34:A:LEU:HD23	20	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4057)	1:18:A:ILE:HG22	1:91:B:CYS:HB3	16	1.9
(1,3910)	1:82:B:ASN:HB2	1:75:B:LEU:HB2	4	1.9
(1,3909)	1:82:A:ASN:HB2	1:75:A:LEU:HB2	4	1.9
(1,3806)	1:99:B:VAL:HG11	1:96:B:LEU:HD22	9	1.9
(1,3806)	1:99:B:VAL:HG12	1:96:B:LEU:HD21	12	1.9
(1,3805)	1:99:A:VAL:HG11	1:96:A:LEU:HD22	9	1.9
(1,3614)	1:52:B:LYS:HG2	1:59:B:VAL:HG13	7	1.9
(1,3613)	1:52:A:LYS:HG2	1:59:A:VAL:HG13	7	1.9
(1,4576)	1:59:B:VAL:HG23	1:47:B:LEU:HD12	2	1.89
(1,4058)	1:18:B:ILE:HG22	1:91:A:CYS:HB3	16	1.89
(1,4035)	1:94:A:SER:HB3	1:99:A:VAL:HG12	10	1.89
(1,3910)	1:82:B:ASN:HB2	1:75:B:LEU:HB2	16	1.89
(1,3882)	1:15:B:GLU:HG2	1:14:B:ILE:HD12	13	1.89
(1,3881)	1:15:A:GLU:HG2	1:14:A:ILE:HD12	13	1.89
(1,3673)	1:75:A:LEU:HB3	1:63:A:MET:HB2	14	1.89
(1,3396)	1:81:B:LEU:HD12	1:17:A:LEU:HD11	5	1.89
(1,53)	1:83:A:LEU:HD23	1:14:B:ILE:HG13	14	1.89
(1,4653)	1:94:A:SER:HB3	1:100:A:PRO:HB3	10	1.88
(1,4382)	1:49:B:ALA:HB1	1:14:A:ILE:HG22	17	1.88
(1,4381)	1:49:A:ALA:HB1	1:14:B:ILE:HG22	17	1.88
(1,4294)	1:7:B:PRO:HB3	1:11:B:GLU:HG2	12	1.88
(1,4293)	1:7:A:PRO:HB3	1:11:A:GLU:HG2	12	1.88
(1,4222)	1:99:B:VAL:HG11	1:96:B:LEU:HD21	19	1.88
(1,4221)	1:99:A:VAL:HG11	1:96:A:LEU:HD21	19	1.88
(1,4036)	1:94:B:SER:HB3	1:99:B:VAL:HG12	10	1.88
(1,3909)	1:82:A:ASN:HB2	1:75:A:LEU:HB2	16	1.88
(1,3806)	1:99:B:VAL:HG11	1:96:B:LEU:HD21	19	1.88
(1,3805)	1:99:A:VAL:HG11	1:96:A:LEU:HD21	19	1.88
(1,3674)	1:75:B:LEU:HB3	1:21:B:PHE:HB3	6	1.88
(1,3674)	1:75:B:LEU:HB3	1:63:B:MET:HB2	14	1.88
(1,3396)	1:81:B:LEU:HD11	1:17:A:LEU:HD13	4	1.88
(1,3395)	1:81:A:LEU:HD12	1:17:B:LEU:HD11	5	1.88
(1,3386)	1:83:B:LEU:HD21	1:11:A:GLU:HG2	19	1.88
(1,54)	1:83:B:LEU:HD21	1:14:A:ILE:HG13	4	1.88
(1,54)	1:83:B:LEU:HD23	1:14:A:ILE:HG13	14	1.88
(1,5216)	1:34:B:LEU:H	1:21:B:PHE:HB3	19	1.87
(1,5215)	1:34:A:LEU:H	1:21:A:PHE:HB3	19	1.87
(1,4902)	1:47:B:LEU:HD13	1:11:A:GLU:HB3	19	1.87
(1,4654)	1:94:B:SER:HB3	1:100:B:PRO:HB3	10	1.87
(1,4106)	1:47:B:LEU:HB2	1:11:A:GLU:HB3	17	1.87
(1,3910)	1:82:B:ASN:HB2	1:75:B:LEU:HB2	15	1.87
(1,3909)	1:82:A:ASN:HB2	1:75:A:LEU:HB2	15	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3882)	1:15:B:GLU:HG2	1:14:B:ILE:HD11	6	1.87
(1,3882)	1:15:B:GLU:HG2	1:14:B:ILE:HD11	19	1.87
(1,3881)	1:15:A:GLU:HG2	1:14:A:ILE:HD11	6	1.87
(1,3881)	1:15:A:GLU:HG2	1:14:A:ILE:HD11	19	1.87
(1,3806)	1:99:B:VAL:HG12	1:96:B:LEU:HD21	17	1.87
(1,3805)	1:99:A:VAL:HG12	1:96:A:LEU:HD21	17	1.87
(1,3674)	1:75:B:LEU:HB3	1:63:B:MET:HB2	4	1.87
(1,3674)	1:75:B:LEU:HB3	1:63:B:MET:HB2	13	1.87
(1,3673)	1:75:A:LEU:HB3	1:63:A:MET:HB2	4	1.87
(1,3673)	1:75:A:LEU:HB3	1:21:A:PHE:HB3	6	1.87
(1,3673)	1:75:A:LEU:HB3	1:63:A:MET:HB2	13	1.87
(1,3395)	1:81:A:LEU:HD11	1:17:B:LEU:HD13	4	1.87
(1,542)	1:15:B:GLU:HG3	1:18:B:ILE:HG23	4	1.87
(1,542)	1:15:B:GLU:HG3	1:18:B:ILE:HG23	12	1.87
(1,541)	1:15:A:GLU:HG3	1:18:A:ILE:HG23	4	1.87
(1,541)	1:15:A:GLU:HG3	1:18:A:ILE:HG23	12	1.87
(1,4592)	1:99:B:VAL:HG21	1:96:B:LEU:HD11	4	1.86
(1,4591)	1:99:A:VAL:HG21	1:96:A:LEU:HD11	4	1.86
(1,3756)	1:39:B:PHE:HB2	1:43:B:MET:HB2	6	1.86
(1,3755)	1:39:A:PHE:HB2	1:43:A:MET:HB2	6	1.86
(1,3605)	1:77:A:PHE:HB3	1:88:B:ALA:HB1	13	1.86
(1,252)	1:76:B:ASP:HB2	1:77:B:PHE:HB2	4	1.86
(1,251)	1:76:A:ASP:HB2	1:77:A:PHE:HB2	4	1.86
(1,53)	1:83:A:LEU:HD21	1:14:B:ILE:HG13	4	1.86
(1,4920)	1:52:B:LYS:HA	1:43:B:MET:HB3	2	1.85
(1,4919)	1:52:A:LYS:HA	1:43:A:MET:HB3	2	1.85
(1,4902)	1:47:B:LEU:HD12	1:11:A:GLU:HB3	11	1.85
(1,4901)	1:47:A:LEU:HD12	1:11:B:GLU:HB3	11	1.85
(1,4592)	1:99:B:VAL:HG22	1:96:B:LEU:HD12	17	1.85
(1,4591)	1:99:A:VAL:HG22	1:96:A:LEU:HD12	17	1.85
(1,4312)	1:68:B:ASP:HB2	1:64:B:MET:HB2	11	1.85
(1,4311)	1:68:A:ASP:HB2	1:64:A:MET:HB2	11	1.85
(1,4222)	1:99:B:VAL:HG12	1:96:B:LEU:HD22	5	1.85
(1,4222)	1:99:B:VAL:HG22	1:96:B:LEU:HD12	17	1.85
(1,4221)	1:99:A:VAL:HG12	1:96:A:LEU:HD22	5	1.85
(1,4221)	1:99:A:VAL:HG22	1:96:A:LEU:HD12	17	1.85
(1,4035)	1:94:A:SER:HB2	1:14:B:ILE:HG22	3	1.85
(1,3910)	1:82:B:ASN:HB2	1:75:B:LEU:HB2	5	1.85
(1,3910)	1:82:B:ASN:HB2	1:75:B:LEU:HB2	12	1.85
(1,3909)	1:82:A:ASN:HB2	1:75:A:LEU:HB2	5	1.85
(1,3909)	1:82:A:ASN:HB2	1:75:A:LEU:HB2	7	1.85
(1,3806)	1:99:B:VAL:HG12	1:96:B:LEU:HD22	5	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3805)	1:99:A:VAL:HG12	1:96:A:LEU:HD22	5	1.85
(1,3614)	1:52:B:LYS:HG2	1:59:B:VAL:HG13	8	1.85
(1,3613)	1:52:A:LYS:HG2	1:59:A:VAL:HG13	8	1.85
(1,3606)	1:77:B:PHE:HB3	1:88:A:ALA:HB1	13	1.85
(1,320)	1:74:B:GLN:HB3	1:76:B:ASP:HB3	17	1.85
(1,319)	1:74:A:GLN:HB3	1:76:A:ASP:HB3	17	1.85
(1,140)	1:58:B:GLY:HA3	1:36:B:LYS:HE2	1	1.85
(1,139)	1:58:A:GLY:HA3	1:36:A:LYS:HE2	1	1.85
(1,53)	1:83:A:LEU:HD22	1:14:B:ILE:HG13	19	1.85
(1,4382)	1:49:B:ALA:HB3	1:14:A:ILE:HG23	10	1.84
(1,4222)	1:99:B:VAL:HG11	1:96:B:LEU:HD21	15	1.84
(1,4221)	1:99:A:VAL:HG11	1:96:A:LEU:HD21	15	1.84
(1,4106)	1:47:B:LEU:HB2	1:11:A:GLU:HB3	16	1.84
(1,4105)	1:47:A:LEU:HB2	1:11:B:GLU:HB3	17	1.84
(1,4036)	1:94:B:SER:HB2	1:14:A:ILE:HG22	3	1.84
(1,3910)	1:82:B:ASN:HB2	1:75:B:LEU:HB2	7	1.84
(1,3909)	1:82:A:ASN:HB2	1:75:A:LEU:HB2	12	1.84
(1,3882)	1:15:B:GLU:HG2	1:14:B:ILE:HD11	3	1.84
(1,3882)	1:15:B:GLU:HG2	1:14:B:ILE:HD12	12	1.84
(1,3881)	1:15:A:GLU:HG2	1:14:A:ILE:HD12	12	1.84
(1,3806)	1:99:B:VAL:HG11	1:96:B:LEU:HD21	15	1.84
(1,3805)	1:99:A:VAL:HG11	1:96:A:LEU:HD21	15	1.84
(1,3696)	1:62:B:ARG:HD2	1:60:B:LEU:HD21	14	1.84
(1,3695)	1:62:A:ARG:HD2	1:60:A:LEU:HD21	14	1.84
(1,3614)	1:52:B:LYS:HG3	1:59:B:VAL:HG12	2	1.84
(1,3614)	1:52:B:LYS:HG2	1:59:B:VAL:HG12	13	1.84
(1,3613)	1:52:A:LYS:HG3	1:59:A:VAL:HG12	2	1.84
(1,3613)	1:52:A:LYS:HG2	1:59:A:VAL:HG12	13	1.84
(1,542)	1:15:B:GLU:HG3	1:18:B:ILE:HG22	1	1.84
(1,542)	1:15:B:GLU:HG3	1:18:B:ILE:HG22	11	1.84
(1,541)	1:15:A:GLU:HG3	1:18:A:ILE:HG22	11	1.84
(1,286)	1:75:B:LEU:HB3	1:39:B:PHE:HB3	2	1.84
(1,285)	1:75:A:LEU:HB3	1:39:A:PHE:HB3	2	1.84
(1,140)	1:58:B:GLY:HA3	1:36:B:LYS:HE2	17	1.84
(1,139)	1:58:A:GLY:HA3	1:36:A:LYS:HE2	17	1.84
(1,54)	1:83:B:LEU:HD23	1:14:A:ILE:HG13	1	1.84
(1,54)	1:83:B:LEU:HD23	1:14:A:ILE:HG13	5	1.84
(1,53)	1:83:A:LEU:HD23	1:14:B:ILE:HG13	5	1.84
(1,5216)	1:34:B:LEU:H	1:21:B:PHE:HB3	4	1.83
(1,5215)	1:34:A:LEU:H	1:21:A:PHE:HB3	4	1.83
(1,4846)	1:52:B:LYS:HE3	1:50:B:PHE:HB3	18	1.83
(1,4381)	1:49:A:ALA:HB3	1:14:B:ILE:HG23	8	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4381)	1:49:A:ALA:HB3	1:14:B:ILE:HG23	10	1.83
(1,4281)	1:20:A:VAL:HG12	1:81:A:LEU:HD21	12	1.83
(1,4222)	1:99:B:VAL:HG11	1:96:B:LEU:HD22	10	1.83
(1,4221)	1:99:A:VAL:HG11	1:96:A:LEU:HD22	10	1.83
(1,4105)	1:47:A:LEU:HB2	1:11:B:GLU:HB3	16	1.83
(1,3909)	1:82:A:ASN:HB2	1:75:A:LEU:HB2	19	1.83
(1,3882)	1:15:B:GLU:HG2	1:14:B:ILE:HD11	17	1.83
(1,3881)	1:15:A:GLU:HG2	1:14:A:ILE:HD11	17	1.83
(1,3806)	1:99:B:VAL:HG11	1:96:B:LEU:HD22	10	1.83
(1,3805)	1:99:A:VAL:HG11	1:96:A:LEU:HD22	10	1.83
(1,3734)	1:90:B:ALA:HA	1:87:B:LEU:HD21	19	1.83
(1,3733)	1:90:A:ALA:HA	1:87:A:LEU:HD21	19	1.83
(1,3696)	1:12:B:ARG:HD2	1:17:A:LEU:HD22	9	1.83
(1,3695)	1:12:A:ARG:HD2	1:17:B:LEU:HD22	9	1.83
(1,3348)	1:14:B:ILE:HD13	1:47:A:LEU:HB2	7	1.83
(1,3347)	1:14:A:ILE:HD13	1:47:B:LEU:HB2	7	1.83
(1,542)	1:15:B:GLU:HG3	1:18:B:ILE:HG23	17	1.83
(1,541)	1:15:A:GLU:HG3	1:18:A:ILE:HG22	1	1.83
(1,541)	1:15:A:GLU:HG3	1:18:A:ILE:HG23	17	1.83
(1,53)	1:83:A:LEU:HD23	1:14:B:ILE:HG13	1	1.83
(1,4845)	1:52:A:LYS:HE3	1:50:A:PHE:HB3	18	1.82
(1,4311)	1:68:A:ASP:HB2	1:64:A:MET:HB2	4	1.82
(1,4282)	1:20:B:VAL:HG12	1:81:B:LEU:HD21	12	1.82
(1,3922)	1:37:B:THR:HG21	1:34:B:LEU:HD23	13	1.82
(1,3921)	1:37:A:THR:HG21	1:34:A:LEU:HD23	13	1.82
(1,3910)	1:82:B:ASN:HB2	1:75:B:LEU:HB2	10	1.82
(1,3910)	1:82:B:ASN:HB2	1:75:B:LEU:HB2	19	1.82
(1,3909)	1:82:A:ASN:HB2	1:75:A:LEU:HB2	10	1.82
(1,3882)	1:15:B:GLU:HG2	1:14:B:ILE:HD12	18	1.82
(1,3881)	1:15:A:GLU:HG2	1:14:A:ILE:HD11	3	1.82
(1,3881)	1:15:A:GLU:HG2	1:14:A:ILE:HD12	18	1.82
(1,3356)	1:14:B:ILE:HG21	1:47:A:LEU:HD13	5	1.82
(1,3355)	1:14:A:ILE:HG21	1:47:B:LEU:HD13	5	1.82
(1,608)	1:77:B:PHE:HB3	1:89:A:MET:HG3	19	1.82
(1,542)	1:15:B:GLU:HG3	1:18:B:ILE:HG23	3	1.82
(1,542)	1:15:B:GLU:HG3	1:18:B:ILE:HG22	5	1.82
(1,542)	1:15:B:GLU:HG3	1:18:B:ILE:HG23	20	1.82
(1,541)	1:15:A:GLU:HG3	1:18:A:ILE:HG23	3	1.82
(1,541)	1:15:A:GLU:HG3	1:18:A:ILE:HG22	5	1.82
(1,541)	1:15:A:GLU:HG3	1:18:A:ILE:HG23	9	1.82
(1,54)	1:83:B:LEU:HD22	1:14:A:ILE:HG13	19	1.82
(1,53)	1:83:A:LEU:HD22	1:14:B:ILE:HG13	3	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,53)	1:83:A:LEU:HD21	1:14:B:ILE:HG13	7	1.82
(1,4920)	1:52:B:LYS:HA	1:43:B:MET:HB3	16	1.81
(1,4919)	1:52:A:LYS:HA	1:43:A:MET:HB3	16	1.81
(1,4902)	1:47:B:LEU:HD11	1:11:A:GLU:HB3	1	1.81
(1,4901)	1:47:A:LEU:HD11	1:11:B:GLU:HB3	1	1.81
(1,4901)	1:47:A:LEU:HD13	1:11:B:GLU:HB3	3	1.81
(1,4576)	1:59:B:VAL:HG23	1:47:B:LEU:HD13	20	1.81
(1,4575)	1:59:A:VAL:HG23	1:47:A:LEU:HD13	20	1.81
(1,4312)	1:68:B:ASP:HB2	1:64:B:MET:HB2	4	1.81
(1,4222)	1:99:B:VAL:HG13	1:96:B:LEU:HD22	2	1.81
(1,4222)	1:99:B:VAL:HG11	1:96:B:LEU:HD23	20	1.81
(1,4221)	1:99:A:VAL:HG13	1:96:A:LEU:HD22	2	1.81
(1,4221)	1:99:A:VAL:HG11	1:96:A:LEU:HD23	20	1.81
(1,3806)	1:99:B:VAL:HG13	1:96:B:LEU:HD22	2	1.81
(1,3806)	1:99:B:VAL:HG11	1:96:B:LEU:HD23	20	1.81
(1,3805)	1:99:A:VAL:HG13	1:96:A:LEU:HD22	2	1.81
(1,3805)	1:99:A:VAL:HG11	1:96:A:LEU:HD23	20	1.81
(1,3695)	1:12:A:ARG:HD3	1:17:B:LEU:HD23	8	1.81
(1,3568)	1:17:B:LEU:HG	1:15:B:GLU:HG2	15	1.81
(1,3567)	1:17:A:LEU:HG	1:15:A:GLU:HG2	15	1.81
(1,608)	1:77:B:PHE:HB3	1:89:A:MET:HG3	13	1.81
(1,607)	1:77:A:PHE:HB3	1:89:B:MET:HG3	13	1.81
(1,607)	1:77:A:PHE:HB3	1:89:B:MET:HG3	19	1.81
(1,542)	1:15:B:GLU:HG3	1:18:B:ILE:HG23	9	1.81
(1,542)	1:15:B:GLU:HG3	1:18:B:ILE:HG21	10	1.81
(1,542)	1:15:B:GLU:HG3	1:18:B:ILE:HG22	19	1.81
(1,541)	1:15:A:GLU:HG3	1:18:A:ILE:HG21	10	1.81
(1,541)	1:15:A:GLU:HG3	1:18:A:ILE:HG21	13	1.81
(1,541)	1:15:A:GLU:HG3	1:18:A:ILE:HG22	19	1.81
(1,541)	1:15:A:GLU:HG3	1:18:A:ILE:HG23	20	1.81
(1,268)	1:75:B:LEU:HB3	1:39:B:PHE:HB3	2	1.81
(1,267)	1:75:A:LEU:HB3	1:39:A:PHE:HB3	2	1.81
(1,140)	1:58:B:GLY:HA3	1:36:B:LYS:HE2	3	1.81
(1,53)	1:83:A:LEU:HD22	1:14:B:ILE:HG12	9	1.81
(1,4902)	1:47:B:LEU:HD12	1:14:A:ILE:HB	6	1.8
(1,4576)	1:59:B:VAL:HG22	1:47:B:LEU:HD13	5	1.8
(1,4576)	1:59:B:VAL:HG22	1:47:B:LEU:HD13	7	1.8
(1,4575)	1:59:A:VAL:HG22	1:47:A:LEU:HD13	7	1.8
(1,4460)	1:20:B:VAL:HG23	1:81:B:LEU:HD22	7	1.8
(1,4459)	1:20:A:VAL:HG23	1:81:A:LEU:HD22	7	1.8
(1,4382)	1:49:B:ALA:HB3	1:14:A:ILE:HG23	8	1.8
(1,3922)	1:37:B:THR:HG22	1:34:B:LEU:HD21	1	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3922)	1:37:B:THR:HG22	1:34:B:LEU:HD21	14	1.8
(1,3921)	1:37:A:THR:HG22	1:34:A:LEU:HD21	1	1.8
(1,3881)	1:15:A:GLU:HG2	1:14:A:ILE:HD13	20	1.8
(1,3714)	1:46:B:GLU:HB3	1:34:B:LEU:HD22	13	1.8
(1,3713)	1:46:A:GLU:HB3	1:34:A:LEU:HD22	13	1.8
(1,3662)	1:10:B:THR:HA	1:81:A:LEU:HD21	14	1.8
(1,3661)	1:10:A:THR:HA	1:81:B:LEU:HD21	14	1.8
(1,542)	1:15:B:GLU:HG3	1:18:B:ILE:HG21	13	1.8
(1,139)	1:58:A:GLY:HA3	1:36:A:LYS:HE2	3	1.8
(1,54)	1:83:B:LEU:HD21	1:14:A:ILE:HG13	7	1.8
(1,54)	1:83:B:LEU:HD22	1:14:A:ILE:HG12	9	1.8
(1,54)	1:83:B:LEU:HD23	1:14:A:ILE:HG13	18	1.8
(1,4902)	1:47:B:LEU:HD12	1:14:A:ILE:HB	18	1.79
(1,4592)	1:99:B:VAL:HG11	1:96:B:LEU:HD12	13	1.79
(1,4591)	1:99:A:VAL:HG11	1:96:A:LEU:HD12	13	1.79
(1,4575)	1:59:A:VAL:HG22	1:47:A:LEU:HD13	5	1.79
(1,4294)	1:27:B:LYS:HB3	1:28:B:ASP:HB3	20	1.79
(1,4293)	1:27:A:LYS:HB3	1:28:A:ASP:HB3	20	1.79
(1,3922)	1:37:B:THR:HG22	1:34:B:LEU:HD23	17	1.79
(1,3921)	1:37:A:THR:HG22	1:34:A:LEU:HD23	17	1.79
(1,3882)	1:15:B:GLU:HG2	1:14:B:ILE:HD12	8	1.79
(1,3882)	1:15:B:GLU:HG2	1:14:B:ILE:HD13	20	1.79
(1,3881)	1:15:A:GLU:HG2	1:14:A:ILE:HD12	8	1.79
(1,3696)	1:12:B:ARG:HD3	1:17:A:LEU:HD22	5	1.79
(1,3695)	1:12:A:ARG:HD3	1:17:B:LEU:HD22	5	1.79
(1,3674)	1:75:B:LEU:HB3	1:63:B:MET:HB2	8	1.79
(1,3673)	1:75:A:LEU:HB3	1:63:A:MET:HB2	8	1.79
(1,3355)	1:14:A:ILE:HG21	1:17:B:LEU:HD13	3	1.79
(1,608)	1:77:B:PHE:HB3	1:89:A:MET:HG3	5	1.79
(1,607)	1:77:A:PHE:HB3	1:89:B:MET:HG3	5	1.79
(1,54)	1:83:B:LEU:HD22	1:14:A:ILE:HG13	3	1.79
(1,53)	1:83:A:LEU:HD23	1:14:B:ILE:HG13	18	1.79
(1,4902)	1:47:B:LEU:HD13	1:11:A:GLU:HB3	10	1.78
(1,4902)	1:47:B:LEU:HD13	1:14:A:ILE:HB	13	1.78
(1,4901)	1:47:A:LEU:HD12	1:14:B:ILE:HB	6	1.78
(1,4901)	1:47:A:LEU:HD13	1:11:B:GLU:HB3	10	1.78
(1,4901)	1:47:A:LEU:HD13	1:14:B:ILE:HB	13	1.78
(1,4901)	1:47:A:LEU:HD12	1:14:B:ILE:HB	18	1.78
(1,4653)	1:94:A:SER:HB2	1:100:A:PRO:HB3	1	1.78
(1,4293)	1:7:A:PRO:HB3	1:11:A:GLU:HG2	15	1.78
(1,3921)	1:37:A:THR:HG22	1:34:A:LEU:HD21	14	1.78
(1,3882)	1:15:B:GLU:HG2	1:14:B:ILE:HD12	11	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3881)	1:15:A:GLU:HG2	1:14:A:ILE:HD12	11	1.78
(1,3714)	1:46:B:GLU:HB3	1:87:B:LEU:HD21	9	1.78
(1,3713)	1:46:A:GLU:HB3	1:87:A:LEU:HD21	9	1.78
(1,3696)	1:12:B:ARG:HD3	1:17:A:LEU:HD23	8	1.78
(1,3393)	1:81:A:LEU:HD11	1:87:B:LEU:HD12	6	1.78
(1,3356)	1:14:B:ILE:HG21	1:17:A:LEU:HD13	3	1.78
(1,3355)	1:14:A:ILE:HG23	1:47:B:LEU:HD11	15	1.78
(1,608)	1:77:B:PHE:HB3	1:89:A:MET:HG3	2	1.78
(1,607)	1:77:A:PHE:HB3	1:89:B:MET:HG3	2	1.78
(1,542)	1:15:B:GLU:HG3	1:18:B:ILE:HG23	14	1.78
(1,541)	1:15:A:GLU:HG3	1:18:A:ILE:HG23	14	1.78
(1,4902)	1:47:B:LEU:HD13	1:11:A:GLU:HB3	3	1.77
(1,4902)	1:47:B:LEU:HD11	1:11:A:GLU:HB3	4	1.77
(1,4654)	1:94:B:SER:HB2	1:100:B:PRO:HB3	1	1.77
(1,4382)	1:46:B:GLU:HB3	1:49:B:ALA:HB3	11	1.77
(1,4381)	1:46:A:GLU:HB3	1:49:A:ALA:HB3	11	1.77
(1,4294)	1:7:B:PRO:HB3	1:11:B:GLU:HG2	15	1.77
(1,3882)	1:15:B:GLU:HG2	1:14:B:ILE:HD13	2	1.77
(1,3881)	1:15:A:GLU:HG2	1:14:A:ILE:HD13	2	1.77
(1,3714)	1:46:B:GLU:HB3	1:87:B:LEU:HD21	11	1.77
(1,3713)	1:46:A:GLU:HB3	1:87:A:LEU:HD21	11	1.77
(1,3613)	1:52:A:LYS:HG2	1:59:A:VAL:HG12	12	1.77
(1,3428)	1:12:B:ARG:HD2	1:10:B:THR:HG22	20	1.77
(1,3427)	1:12:A:ARG:HD2	1:10:A:THR:HG22	20	1.77
(1,3396)	1:81:B:LEU:HD11	1:17:A:LEU:HD13	14	1.77
(1,3395)	1:81:A:LEU:HD11	1:17:B:LEU:HD13	14	1.77
(1,3394)	1:81:B:LEU:HD11	1:87:A:LEU:HD12	6	1.77
(1,3394)	1:81:B:LEU:HD12	1:87:A:LEU:HD12	18	1.77
(1,3393)	1:81:A:LEU:HD12	1:87:B:LEU:HD12	18	1.77
(1,3356)	1:14:B:ILE:HG22	1:17:A:LEU:HD13	14	1.77
(1,3355)	1:14:A:ILE:HG22	1:17:B:LEU:HD13	14	1.77
(1,5215)	1:34:A:LEU:H	1:21:A:PHE:HB3	13	1.76
(1,4920)	1:52:B:LYS:HA	1:43:B:MET:HB3	5	1.76
(1,4919)	1:52:A:LYS:HA	1:43:A:MET:HB3	5	1.76
(1,4382)	1:49:B:ALA:HB1	1:14:A:ILE:HG21	19	1.76
(1,4022)	1:49:B:ALA:HB1	1:91:B:CYS:HB2	7	1.76
(1,4022)	1:49:B:ALA:HB3	1:91:B:CYS:HB2	13	1.76
(1,4021)	1:49:A:ALA:HB1	1:91:A:CYS:HB2	7	1.76
(1,4021)	1:49:A:ALA:HB1	1:91:A:CYS:HB2	13	1.76
(1,4010)	1:59:B:VAL:HG22	1:87:B:LEU:HD22	9	1.76
(1,3910)	1:82:B:ASN:HB2	1:75:B:LEU:HB2	18	1.76
(1,3909)	1:82:A:ASN:HB2	1:75:A:LEU:HB2	18	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3881)	1:15:A:GLU:HG2	1:14:A:ILE:HD13	15	1.76
(1,3614)	1:52:B:LYS:HG2	1:59:B:VAL:HG12	12	1.76
(1,3614)	1:52:B:LYS:HG2	1:59:B:VAL:HG12	19	1.76
(1,3613)	1:52:A:LYS:HG2	1:59:A:VAL:HG12	19	1.76
(1,3356)	1:14:B:ILE:HG23	1:47:A:LEU:HD11	15	1.76
(1,541)	1:15:A:GLU:HG3	1:18:A:ILE:HG22	15	1.76
(1,140)	1:58:B:GLY:HA3	1:36:B:LYS:HE3	12	1.76
(1,139)	1:58:A:GLY:HA3	1:36:A:LYS:HE3	12	1.76
(1,54)	1:83:B:LEU:HD21	1:14:A:ILE:HG13	11	1.76
(1,5216)	1:34:B:LEU:H	1:21:B:PHE:HB3	13	1.75
(1,4592)	1:99:B:VAL:HG22	1:96:B:LEU:HD12	18	1.75
(1,4398)	1:13:B:CYS:HB2	1:17:A:LEU:HD13	14	1.75
(1,4397)	1:13:A:CYS:HB2	1:17:B:LEU:HD13	14	1.75
(1,4381)	1:46:A:GLU:HB3	1:49:A:ALA:HB1	9	1.75
(1,4243)	1:91:A:CYS:HA	1:18:B:ILE:HB	19	1.75
(1,4222)	1:99:B:VAL:HG22	1:96:B:LEU:HD12	18	1.75
(1,4105)	1:47:A:LEU:HB2	1:11:B:GLU:HB2	9	1.75
(1,4021)	1:49:A:ALA:HB2	1:91:A:CYS:HB3	6	1.75
(1,4009)	1:59:A:VAL:HG22	1:87:A:LEU:HD22	9	1.75
(1,3882)	1:15:B:GLU:HG2	1:14:B:ILE:HD13	15	1.75
(1,3348)	1:14:B:ILE:HD11	1:47:A:LEU:HB2	9	1.75
(1,542)	1:15:B:GLU:HG3	1:18:B:ILE:HG22	15	1.75
(1,286)	1:75:B:LEU:HB3	1:39:B:PHE:HB3	4	1.75
(1,286)	1:75:B:LEU:HB3	1:39:B:PHE:HB3	17	1.75
(1,285)	1:75:A:LEU:HB3	1:39:A:PHE:HB3	13	1.75
(1,54)	1:83:B:LEU:HD22	1:14:A:ILE:HG13	2	1.75
(1,53)	1:83:A:LEU:HD22	1:14:B:ILE:HG13	2	1.75
(1,53)	1:83:A:LEU:HD21	1:14:B:ILE:HG13	11	1.75
(1,5216)	1:34:B:LEU:H	1:21:B:PHE:HB3	1	1.74
(1,5215)	1:34:A:LEU:H	1:21:A:PHE:HB3	1	1.74
(1,4901)	1:47:A:LEU:HD11	1:11:B:GLU:HB3	4	1.74
(1,4591)	1:99:A:VAL:HG22	1:96:A:LEU:HD12	18	1.74
(1,4382)	1:46:B:GLU:HB3	1:49:B:ALA:HB1	9	1.74
(1,4381)	1:49:A:ALA:HB1	1:14:B:ILE:HG21	19	1.74
(1,4221)	1:99:A:VAL:HG22	1:96:A:LEU:HD12	18	1.74
(1,4022)	1:49:B:ALA:HB2	1:91:B:CYS:HB3	6	1.74
(1,3734)	1:90:B:ALA:HA	1:87:B:LEU:HD21	13	1.74
(1,3695)	1:12:A:ARG:HD2	1:17:B:LEU:HD23	16	1.74
(1,3355)	1:14:A:ILE:HG21	1:47:B:LEU:HD13	6	1.74
(1,542)	1:15:B:GLU:HG3	1:18:B:ILE:HG22	6	1.74
(1,541)	1:15:A:GLU:HG3	1:18:A:ILE:HG22	6	1.74
(1,286)	1:75:B:LEU:HB3	1:39:B:PHE:HB3	13	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,285)	1:75:A:LEU:HB3	1:39:A:PHE:HB3	4	1.74
(1,285)	1:75:A:LEU:HB3	1:39:A:PHE:HB3	17	1.74
(1,4106)	1:47:B:LEU:HB2	1:11:A:GLU:HB2	9	1.73
(1,3910)	1:82:B:ASN:HB2	1:75:B:LEU:HB2	6	1.73
(1,3909)	1:82:A:ASN:HB2	1:75:A:LEU:HB2	6	1.73
(1,3733)	1:90:A:ALA:HA	1:87:A:LEU:HD21	13	1.73
(1,3696)	1:12:B:ARG:HD2	1:17:A:LEU:HD23	16	1.73
(1,286)	1:75:B:LEU:HB3	1:39:B:PHE:HB3	8	1.73
(1,285)	1:75:A:LEU:HB3	1:39:A:PHE:HB3	8	1.73
(1,54)	1:83:B:LEU:HD23	1:14:A:ILE:HG12	13	1.73
(1,54)	1:83:B:LEU:HD22	1:14:A:ILE:HG13	20	1.73
(1,53)	1:83:A:LEU:HD23	1:14:B:ILE:HG12	13	1.73
(1,53)	1:83:A:LEU:HD22	1:14:B:ILE:HG13	20	1.73
(1,4920)	1:52:B:LYS:HA	1:43:B:MET:HB3	3	1.72
(1,4902)	1:47:B:LEU:HD11	1:11:A:GLU:HB3	2	1.72
(1,4654)	1:94:B:SER:HB3	1:100:B:PRO:HB3	11	1.72
(1,4653)	1:94:A:SER:HB3	1:100:A:PRO:HB3	11	1.72
(1,4244)	1:91:B:CYS:HA	1:18:A:ILE:HB	19	1.72
(1,3674)	1:75:B:LEU:HB3	1:63:B:MET:HB2	2	1.72
(1,3673)	1:75:A:LEU:HB3	1:63:A:MET:HB2	2	1.72
(1,3613)	1:52:A:LYS:HG2	1:59:A:VAL:HG11	11	1.72
(1,3356)	1:14:B:ILE:HG21	1:47:A:LEU:HD13	6	1.72
(1,3347)	1:14:A:ILE:HD11	1:47:B:LEU:HB2	9	1.72
(1,541)	1:15:A:GLU:HG3	1:18:A:ILE:HG23	2	1.72
(1,268)	1:75:B:LEU:HB3	1:39:B:PHE:HB3	4	1.72
(1,268)	1:75:B:LEU:HB3	1:39:B:PHE:HB3	17	1.72
(1,267)	1:75:A:LEU:HB3	1:39:A:PHE:HB3	13	1.72
(1,54)	1:83:B:LEU:HD23	1:14:A:ILE:HG13	12	1.72
(1,53)	1:83:A:LEU:HD23	1:14:B:ILE:HG13	12	1.72
(1,4919)	1:52:A:LYS:HA	1:43:A:MET:HB3	3	1.71
(1,4901)	1:47:A:LEU:HD12	1:11:B:GLU:HB3	2	1.71
(1,4901)	1:47:A:LEU:HD13	1:11:B:GLU:HB3	7	1.71
(1,4382)	1:49:B:ALA:HB3	1:14:A:ILE:HG21	6	1.71
(1,3910)	1:82:B:ASN:HB2	1:75:B:LEU:HB2	13	1.71
(1,3909)	1:82:A:ASN:HB2	1:75:A:LEU:HB2	13	1.71
(1,3756)	1:39:B:PHE:HB2	1:43:B:MET:HB2	9	1.71
(1,3755)	1:39:A:PHE:HB2	1:43:A:MET:HB2	9	1.71
(1,3696)	1:12:B:ARG:HD2	1:17:A:LEU:HD22	13	1.71
(1,3614)	1:52:B:LYS:HG2	1:59:B:VAL:HG11	11	1.71
(1,3386)	1:83:B:LEU:HD23	1:11:A:GLU:HG2	8	1.71
(1,542)	1:15:B:GLU:HG3	1:18:B:ILE:HG23	2	1.71
(1,542)	1:15:B:GLU:HG3	1:18:B:ILE:HG21	7	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,541)	1:15:A:GLU:HG3	1:18:A:ILE:HG21	7	1.71
(1,268)	1:75:B:LEU:HB3	1:39:B:PHE:HB3	13	1.71
(1,267)	1:75:A:LEU:HB3	1:39:A:PHE:HB3	4	1.71
(1,267)	1:75:A:LEU:HB3	1:39:A:PHE:HB3	17	1.71
(1,4902)	1:47:B:LEU:HD12	1:11:A:GLU:HB3	17	1.7
(1,4397)	1:13:A:CYS:HB2	1:17:B:LEU:HD11	6	1.7
(1,4382)	1:49:B:ALA:HB1	1:14:A:ILE:HG22	13	1.7
(1,4381)	1:49:A:ALA:HB3	1:14:B:ILE:HG21	6	1.7
(1,4381)	1:49:A:ALA:HB1	1:14:B:ILE:HG22	13	1.7
(1,3695)	1:12:A:ARG:HD2	1:17:B:LEU:HD22	13	1.7
(1,3673)	1:75:A:LEU:HB3	1:63:A:MET:HB2	19	1.7
(1,3614)	1:52:B:LYS:HG2	1:59:B:VAL:HG13	1	1.7
(1,3613)	1:52:A:LYS:HG2	1:59:A:VAL:HG13	1	1.7
(1,3396)	1:81:B:LEU:HD12	1:17:A:LEU:HD11	18	1.7
(1,3394)	1:81:B:LEU:HD13	1:87:A:LEU:HD13	1	1.7
(1,3393)	1:81:A:LEU:HD13	1:87:B:LEU:HD13	1	1.7
(1,3393)	1:81:A:LEU:HD11	1:87:B:LEU:HD11	4	1.7
(1,542)	1:15:B:GLU:HG3	1:18:B:ILE:HG22	18	1.7
(1,541)	1:15:A:GLU:HG3	1:18:A:ILE:HG22	8	1.7
(1,541)	1:15:A:GLU:HG3	1:18:A:ILE:HG22	18	1.7
(1,268)	1:75:B:LEU:HB3	1:39:B:PHE:HB3	8	1.7
(1,267)	1:75:A:LEU:HB3	1:39:A:PHE:HB3	8	1.7
(1,54)	1:83:B:LEU:HD23	1:14:A:ILE:HG13	17	1.7
(1,4398)	1:13:B:CYS:HB2	1:17:A:LEU:HD11	6	1.69
(1,4294)	1:7:B:PRO:HB3	1:11:B:GLU:HG2	1	1.69
(1,4222)	1:99:B:VAL:HG13	1:96:B:LEU:HD21	8	1.69
(1,4221)	1:99:A:VAL:HG13	1:96:A:LEU:HD23	3	1.69
(1,4221)	1:99:A:VAL:HG13	1:96:A:LEU:HD21	8	1.69
(1,3910)	1:82:B:ASN:HB2	1:75:B:LEU:HB2	8	1.69
(1,3806)	1:99:B:VAL:HG13	1:96:B:LEU:HD21	8	1.69
(1,3805)	1:99:A:VAL:HG13	1:96:A:LEU:HD23	3	1.69
(1,3805)	1:99:A:VAL:HG13	1:96:A:LEU:HD21	8	1.69
(1,3674)	1:75:B:LEU:HB3	1:63:B:MET:HB2	19	1.69
(1,3606)	1:77:B:PHE:HB3	1:88:A:ALA:HB3	2	1.69
(1,3605)	1:77:A:PHE:HB3	1:88:B:ALA:HB3	2	1.69
(1,3490)	1:13:B:CYS:HB2	1:81:A:LEU:HD22	1	1.69
(1,3489)	1:13:A:CYS:HB2	1:81:B:LEU:HD22	1	1.69
(1,3395)	1:81:A:LEU:HD12	1:17:B:LEU:HD11	18	1.69
(1,3394)	1:81:B:LEU:HD11	1:87:A:LEU:HD11	4	1.69
(1,542)	1:15:B:GLU:HG3	1:18:B:ILE:HG22	8	1.69
(1,5462)	1:45:B:THR:H	1:46:B:GLU:HB3	20	1.68
(1,4902)	1:47:B:LEU:HD13	1:11:A:GLU:HB3	7	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4902)	1:47:B:LEU:HD11	1:14:A:ILE:HB	8	1.68
(1,4654)	1:94:B:SER:HB3	1:100:B:PRO:HB3	14	1.68
(1,4294)	1:7:B:PRO:HB3	1:11:B:GLU:HG2	3	1.68
(1,4293)	1:7:A:PRO:HB3	1:11:A:GLU:HG2	1	1.68
(1,4293)	1:7:A:PRO:HB3	1:11:A:GLU:HG2	3	1.68
(1,4222)	1:99:B:VAL:HG13	1:96:B:LEU:HD23	3	1.68
(1,4023)	1:83:A:LEU:HB3	1:82:A:ASN:HB2	20	1.68
(1,3909)	1:82:A:ASN:HB2	1:75:A:LEU:HB2	8	1.68
(1,3806)	1:99:B:VAL:HG13	1:96:B:LEU:HD23	3	1.68
(1,3614)	1:52:B:LYS:HG2	1:59:B:VAL:HG12	6	1.68
(1,3396)	1:81:B:LEU:HD13	1:17:A:LEU:HD12	1	1.68
(1,3395)	1:81:A:LEU:HD13	1:17:B:LEU:HD12	1	1.68
(1,3385)	1:83:A:LEU:HD23	1:11:B:GLU:HG2	8	1.68
(1,5461)	1:45:A:THR:H	1:46:A:GLU:HB3	20	1.67
(1,4901)	1:47:A:LEU:HD11	1:14:B:ILE:HB	8	1.67
(1,4901)	1:47:A:LEU:HD12	1:11:B:GLU:HB2	20	1.67
(1,4653)	1:94:A:SER:HB3	1:100:A:PRO:HB3	14	1.67
(1,4194)	1:85:B:GLY:H	1:81:B:LEU:HD21	4	1.67
(1,4193)	1:85:A:GLY:H	1:81:A:LEU:HD21	4	1.67
(1,4024)	1:83:B:LEU:HB3	1:82:B:ASN:HB2	20	1.67
(1,4021)	1:49:A:ALA:HB1	1:91:A:CYS:HB3	20	1.67
(1,3696)	1:62:B:ARG:HD2	1:60:B:LEU:HD22	3	1.67
(1,3696)	1:12:B:ARG:HD2	1:17:A:LEU:HD23	7	1.67
(1,3613)	1:52:A:LYS:HG2	1:59:A:VAL:HG12	6	1.67
(1,3490)	1:13:B:CYS:HB2	1:81:A:LEU:HD23	13	1.67
(1,3489)	1:13:A:CYS:HB2	1:81:B:LEU:HD23	13	1.67
(1,3386)	1:83:B:LEU:HD23	1:11:A:GLU:HG2	16	1.67
(1,286)	1:75:B:LEU:HB3	1:39:B:PHE:HB3	18	1.67
(1,53)	1:83:A:LEU:HD23	1:14:B:ILE:HG13	17	1.67
(1,5300)	1:26:B:GLY:H	1:34:B:LEU:HB3	20	1.66
(1,5299)	1:26:A:GLY:H	1:34:A:LEU:HB3	20	1.66
(1,5298)	1:26:B:GLY:H	1:34:B:LEU:HB3	20	1.66
(1,5297)	1:26:A:GLY:H	1:34:A:LEU:HB3	20	1.66
(1,4902)	1:47:B:LEU:HD11	1:14:A:ILE:HB	15	1.66
(1,4902)	1:47:B:LEU:HD12	1:11:A:GLU:HB2	20	1.66
(1,4901)	1:47:A:LEU:HD12	1:11:B:GLU:HB3	17	1.66
(1,4845)	1:66:A:LYS:HE2	1:62:A:ARG:HD3	4	1.66
(1,4398)	1:13:B:CYS:HB2	1:17:A:LEU:HD12	15	1.66
(1,4397)	1:13:A:CYS:HB2	1:17:B:LEU:HD12	15	1.66
(1,4354)	1:12:B:ARG:HB2	1:17:B:LEU:H	17	1.66
(1,4353)	1:12:A:ARG:HB2	1:17:A:LEU:H	17	1.66
(1,4293)	1:7:A:PRO:HB3	1:11:A:GLU:HG2	2	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4106)	1:47:B:LEU:HB2	1:11:A:GLU:HB2	20	1.66
(1,4105)	1:47:A:LEU:HB2	1:11:B:GLU:HB2	20	1.66
(1,4036)	1:94:B:SER:HB3	1:14:A:ILE:HG21	18	1.66
(1,4035)	1:94:A:SER:HB3	1:14:B:ILE:HG21	18	1.66
(1,4022)	1:49:B:ALA:HB1	1:91:B:CYS:HB3	20	1.66
(1,3756)	1:39:B:PHE:HB2	1:43:B:MET:HB2	7	1.66
(1,3755)	1:39:A:PHE:HB2	1:43:A:MET:HB2	7	1.66
(1,3695)	1:62:A:ARG:HD2	1:60:A:LEU:HD22	3	1.66
(1,3614)	1:52:B:LYS:HG2	1:59:B:VAL:HG11	3	1.66
(1,3614)	1:52:B:LYS:HG2	1:59:B:VAL:HG13	5	1.66
(1,3613)	1:52:A:LYS:HG2	1:59:A:VAL:HG11	3	1.66
(1,412)	1:62:B:ARG:HD2	1:59:B:VAL:HG12	1	1.66
(1,411)	1:62:A:ARG:HD2	1:59:A:VAL:HG12	1	1.66
(1,285)	1:75:A:LEU:HB3	1:39:A:PHE:HB3	18	1.66
(1,54)	1:83:B:LEU:HD22	1:14:A:ILE:HG13	10	1.66
(1,53)	1:83:A:LEU:HD22	1:14:B:ILE:HG13	10	1.66
(1,4901)	1:47:A:LEU:HD11	1:14:B:ILE:HB	15	1.65
(1,4846)	1:66:B:LYS:HE2	1:62:B:ARG:HD3	4	1.65
(1,4294)	1:7:B:PRO:HB3	1:11:B:GLU:HG2	2	1.65
(1,4035)	1:94:A:SER:HB3	1:99:A:VAL:HG13	7	1.65
(1,3922)	1:37:B:THR:HG21	1:34:B:LEU:HD23	18	1.65
(1,3922)	1:37:B:THR:HG21	1:34:B:LEU:HD21	20	1.65
(1,3921)	1:37:A:THR:HG23	1:34:A:LEU:HD22	10	1.65
(1,3921)	1:37:A:THR:HG21	1:34:A:LEU:HD21	20	1.65
(1,3882)	1:15:B:GLU:HG2	1:14:B:ILE:HD13	5	1.65
(1,3882)	1:15:B:GLU:HG2	1:14:B:ILE:HD12	10	1.65
(1,3881)	1:15:A:GLU:HG2	1:14:A:ILE:HD12	10	1.65
(1,3695)	1:12:A:ARG:HD2	1:17:B:LEU:HD23	7	1.65
(1,3674)	1:75:B:LEU:HB3	1:63:B:MET:HB2	17	1.65
(1,3673)	1:75:A:LEU:HB3	1:63:A:MET:HB2	17	1.65
(1,3613)	1:52:A:LYS:HG2	1:59:A:VAL:HG13	5	1.65
(1,3385)	1:83:A:LEU:HD23	1:11:B:GLU:HG2	16	1.65
(1,54)	1:83:B:LEU:HD21	1:14:A:ILE:HG13	16	1.65
(1,53)	1:83:A:LEU:HD21	1:14:B:ILE:HG13	16	1.65
(1,5299)	1:26:A:GLY:H	1:34:A:LEU:HB3	14	1.64
(1,5297)	1:26:A:GLY:H	1:34:A:LEU:HB3	14	1.64
(1,5216)	1:34:B:LEU:H	1:77:B:PHE:HB2	14	1.64
(1,5215)	1:34:A:LEU:H	1:77:A:PHE:HB2	14	1.64
(1,4901)	1:47:A:LEU:HD12	1:11:B:GLU:HB2	9	1.64
(1,4244)	1:91:B:CYS:HA	1:97:B:LYS:HB2	18	1.64
(1,4243)	1:91:A:CYS:HA	1:97:A:LYS:HB2	18	1.64
(1,3922)	1:37:B:THR:HG23	1:34:B:LEU:HD23	2	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3922)	1:37:B:THR:HG23	1:34:B:LEU:HD22	8	1.64
(1,3921)	1:37:A:THR:HG23	1:34:A:LEU:HD23	2	1.64
(1,3921)	1:37:A:THR:HG23	1:34:A:LEU:HD22	8	1.64
(1,3921)	1:37:A:THR:HG21	1:34:A:LEU:HD23	18	1.64
(1,3881)	1:15:A:GLU:HG2	1:14:A:ILE:HD13	5	1.64
(1,268)	1:75:B:LEU:HB3	1:39:B:PHE:HB3	18	1.64
(1,54)	1:83:B:LEU:HD21	1:14:A:ILE:HG13	8	1.64
(1,5300)	1:26:B:GLY:H	1:34:B:LEU:HB3	14	1.63
(1,5298)	1:26:B:GLY:H	1:34:B:LEU:HB3	14	1.63
(1,4846)	1:52:B:LYS:HE3	1:50:B:PHE:HB3	11	1.63
(1,4845)	1:52:A:LYS:HE3	1:50:A:PHE:HB3	11	1.63
(1,4630)	1:52:B:LYS:HE3	1:50:B:PHE:HB3	11	1.63
(1,4629)	1:52:A:LYS:HE3	1:50:A:PHE:HB3	11	1.63
(1,4381)	1:49:A:ALA:HB2	1:14:B:ILE:HG23	16	1.63
(1,4095)	1:17:A:LEU:HD12	1:89:B:MET:HG3	12	1.63
(1,4036)	1:94:B:SER:HB3	1:99:B:VAL:HG13	7	1.63
(1,4035)	1:94:A:SER:HB2	1:14:B:ILE:HG22	15	1.63
(1,3922)	1:37:B:THR:HG22	1:34:B:LEU:HD22	5	1.63
(1,3922)	1:37:B:THR:HG23	1:34:B:LEU:HD21	7	1.63
(1,3922)	1:37:B:THR:HG23	1:34:B:LEU:HD22	10	1.63
(1,3921)	1:37:A:THR:HG22	1:34:A:LEU:HD22	5	1.63
(1,3921)	1:37:A:THR:HG23	1:34:A:LEU:HD21	7	1.63
(1,3661)	1:10:A:THR:HA	1:81:B:LEU:HD21	15	1.63
(1,3356)	1:14:B:ILE:HG21	1:17:A:LEU:HD13	20	1.63
(1,3355)	1:14:A:ILE:HG21	1:17:B:LEU:HD13	20	1.63
(1,412)	1:62:B:ARG:HD2	1:59:B:VAL:HG13	18	1.63
(1,411)	1:62:A:ARG:HD2	1:59:A:VAL:HG13	18	1.63
(1,267)	1:75:A:LEU:HB3	1:39:A:PHE:HB3	18	1.63
(1,54)	1:83:B:LEU:HD23	1:14:A:ILE:HG13	6	1.63
(1,4902)	1:47:B:LEU:HD12	1:11:A:GLU:HB2	9	1.62
(1,4397)	1:13:A:CYS:HB2	1:17:B:LEU:HD11	17	1.62
(1,4243)	1:91:A:CYS:HA	1:18:B:ILE:HB	7	1.62
(1,4103)	1:42:A:PHE:HA	1:20:A:VAL:HB	20	1.62
(1,4096)	1:17:B:LEU:HD11	1:89:A:MET:HG3	9	1.62
(1,4096)	1:17:B:LEU:HD12	1:89:A:MET:HG3	12	1.62
(1,4036)	1:94:B:SER:HB2	1:14:A:ILE:HG22	15	1.62
(1,3910)	1:82:B:ASN:HB2	1:75:B:LEU:HB2	14	1.62
(1,3909)	1:82:A:ASN:HB2	1:75:A:LEU:HB2	14	1.62
(1,3695)	1:12:A:ARG:HD2	1:17:B:LEU:HD22	18	1.62
(1,3662)	1:10:B:THR:HA	1:81:A:LEU:HD21	15	1.62
(1,3490)	1:13:B:CYS:HB2	1:81:A:LEU:HD22	16	1.62
(1,3489)	1:13:A:CYS:HB2	1:81:B:LEU:HD22	16	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3448)	1:35:B:SER:HA	1:28:B:ASP:HB3	13	1.62
(1,3396)	1:81:B:LEU:HD12	1:17:A:LEU:HD13	9	1.62
(1,3356)	1:14:B:ILE:HG21	1:17:A:LEU:HD12	7	1.62
(1,3355)	1:14:A:ILE:HG21	1:17:B:LEU:HD12	7	1.62
(1,3348)	1:14:B:ILE:HD12	1:47:A:LEU:HB2	1	1.62
(1,3347)	1:14:A:ILE:HD12	1:47:B:LEU:HB2	1	1.62
(1,607)	1:77:A:PHE:HB3	1:89:B:MET:HG3	4	1.62
(1,412)	1:62:B:ARG:HD2	1:59:B:VAL:HG13	11	1.62
(1,286)	1:75:B:LEU:HB3	1:39:B:PHE:HB3	9	1.62
(1,285)	1:75:A:LEU:HB3	1:39:A:PHE:HB3	9	1.62
(1,53)	1:83:A:LEU:HD23	1:14:B:ILE:HG13	6	1.62
(1,53)	1:83:A:LEU:HD21	1:14:B:ILE:HG13	8	1.62
(1,5300)	1:26:B:GLY:H	1:23:B:LYS:HD3	8	1.61
(1,5299)	1:26:A:GLY:H	1:23:A:LYS:HD3	8	1.61
(1,5298)	1:26:B:GLY:H	1:23:B:LYS:HD3	8	1.61
(1,5297)	1:26:A:GLY:H	1:23:A:LYS:HD3	8	1.61
(1,4846)	1:66:B:LYS:HE2	1:62:B:ARG:HD3	16	1.61
(1,4840)	1:68:B:ASP:HB2	1:72:B:ASP:HB2	20	1.61
(1,4839)	1:68:A:ASP:HB2	1:72:A:ASP:HB2	20	1.61
(1,4630)	1:66:B:LYS:HE2	1:62:B:ARG:HD3	16	1.61
(1,4382)	1:49:B:ALA:HB2	1:14:A:ILE:HG23	16	1.61
(1,4294)	1:7:B:PRO:HB3	1:11:B:GLU:HG2	11	1.61
(1,4293)	1:7:A:PRO:HB3	1:11:A:GLU:HG2	11	1.61
(1,4194)	1:85:B:GLY:H	1:81:B:LEU:HD22	3	1.61
(1,4193)	1:85:A:GLY:H	1:81:A:LEU:HD22	3	1.61
(1,4185)	1:57:A:PRO:HG2	1:61:A:ASP:HB3	20	1.61
(1,4104)	1:42:B:PHE:HA	1:20:B:VAL:HB	20	1.61
(1,4095)	1:17:A:LEU:HD11	1:89:B:MET:HG3	9	1.61
(1,3925)	1:15:A:GLU:HB3	1:91:B:CYS:HB3	11	1.61
(1,3922)	1:37:B:THR:HG21	1:34:B:LEU:HD21	12	1.61
(1,3921)	1:37:A:THR:HG21	1:34:A:LEU:HD21	12	1.61
(1,3910)	1:82:B:ASN:HB2	1:75:B:LEU:HB2	2	1.61
(1,3910)	1:82:B:ASN:HB2	1:75:B:LEU:HB2	17	1.61
(1,3909)	1:82:A:ASN:HB2	1:75:A:LEU:HB2	2	1.61
(1,3882)	1:15:B:GLU:HG2	1:14:B:ILE:HD12	14	1.61
(1,3881)	1:15:A:GLU:HG2	1:14:A:ILE:HD12	14	1.61
(1,3696)	1:12:B:ARG:HD2	1:17:A:LEU:HD22	18	1.61
(1,3695)	1:12:A:ARG:HD2	1:17:B:LEU:HD23	17	1.61
(1,3674)	1:75:B:LEU:HB3	1:63:B:MET:HB2	5	1.61
(1,3673)	1:75:A:LEU:HB3	1:63:A:MET:HB2	5	1.61
(1,3661)	1:10:A:THR:HA	1:81:B:LEU:HD22	6	1.61
(1,3447)	1:35:A:SER:HA	1:28:A:ASP:HB3	13	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3395)	1:81:A:LEU:HD12	1:17:B:LEU:HD13	9	1.61
(1,3386)	1:83:B:LEU:HD22	1:11:A:GLU:HG2	1	1.61
(1,3385)	1:83:A:LEU:HD22	1:11:B:GLU:HG2	1	1.61
(1,411)	1:62:A:ARG:HD2	1:59:A:VAL:HG13	11	1.61
(1,5462)	1:45:B:THR:H	1:51:B:THR:HG21	10	1.6
(1,5461)	1:45:A:THR:H	1:51:A:THR:HG21	10	1.6
(1,4846)	1:66:B:LYS:HE2	1:62:B:ARG:HD3	15	1.6
(1,4845)	1:66:A:LYS:HE2	1:62:A:ARG:HD3	15	1.6
(1,4845)	1:66:A:LYS:HE2	1:62:A:ARG:HD3	16	1.6
(1,4630)	1:66:B:LYS:HE2	1:62:B:ARG:HD3	15	1.6
(1,4629)	1:66:A:LYS:HE2	1:62:A:ARG:HD3	15	1.6
(1,4629)	1:66:A:LYS:HE2	1:62:A:ARG:HD3	16	1.6
(1,4312)	1:68:B:ASP:HB2	1:64:B:MET:HB2	9	1.6
(1,4311)	1:68:A:ASP:HB2	1:64:A:MET:HB2	9	1.6
(1,4244)	1:91:B:CYS:HA	1:18:A:ILE:HB	7	1.6
(1,4244)	1:91:B:CYS:HA	1:97:B:LYS:HD2	10	1.6
(1,4193)	1:81:A:LEU:HD22	1:80:A:PHE:H	7	1.6
(1,4186)	1:57:B:PRO:HG2	1:61:B:ASP:HB3	20	1.6
(1,3922)	1:37:B:THR:HG21	1:34:B:LEU:HD23	15	1.6
(1,3921)	1:37:A:THR:HG21	1:34:A:LEU:HD23	15	1.6
(1,3909)	1:82:A:ASN:HB2	1:75:A:LEU:HB2	17	1.6
(1,3662)	1:10:B:THR:HA	1:81:A:LEU:HD22	6	1.6
(1,3490)	1:13:B:CYS:HB2	1:81:A:LEU:HD22	9	1.6
(1,3489)	1:13:A:CYS:HB2	1:81:B:LEU:HD22	9	1.6
(1,608)	1:77:B:PHE:HB3	1:89:A:MET:HG3	4	1.6
(1,286)	1:75:B:LEU:HB3	1:39:B:PHE:HB3	6	1.6
(1,285)	1:75:A:LEU:HB3	1:39:A:PHE:HB3	6	1.6
(1,5216)	1:34:B:LEU:H	1:21:B:PHE:HB3	2	1.59
(1,5215)	1:34:A:LEU:H	1:21:A:PHE:HB3	2	1.59
(1,4398)	1:13:B:CYS:HB2	1:17:A:LEU:HD11	17	1.59
(1,4397)	1:13:A:CYS:HB2	1:17:B:LEU:HD12	8	1.59
(1,4244)	1:91:B:CYS:HA	1:97:B:LYS:HB2	1	1.59
(1,4243)	1:91:A:CYS:HA	1:97:A:LYS:HB2	1	1.59
(1,4243)	1:91:A:CYS:HA	1:97:A:LYS:HD2	10	1.59
(1,4222)	1:99:B:VAL:HG12	1:18:A:ILE:HG23	4	1.59
(1,4194)	1:81:B:LEU:HD22	1:80:B:PHE:H	7	1.59
(1,4010)	1:59:B:VAL:HG23	1:87:B:LEU:HD23	13	1.59
(1,4009)	1:59:A:VAL:HG23	1:87:A:LEU:HD23	13	1.59
(1,3926)	1:15:B:GLU:HB3	1:91:A:CYS:HB3	11	1.59
(1,3806)	1:99:B:VAL:HG12	1:18:A:ILE:HG23	4	1.59
(1,3674)	1:75:B:LEU:HB3	1:63:B:MET:HB2	10	1.59
(1,3674)	1:75:B:LEU:HB3	1:63:B:MET:HB2	20	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3673)	1:75:A:LEU:HB3	1:63:A:MET:HB2	10	1.59
(1,3673)	1:75:A:LEU:HB3	1:63:A:MET:HB2	20	1.59
(1,3396)	1:81:B:LEU:HD13	1:17:A:LEU:HD12	15	1.59
(1,3395)	1:81:A:LEU:HD13	1:17:B:LEU:HD12	15	1.59
(1,3386)	1:83:B:LEU:HD21	1:11:A:GLU:HG2	4	1.59
(1,412)	1:62:B:ARG:HD2	1:59:B:VAL:HG11	13	1.59
(1,411)	1:62:A:ARG:HD2	1:59:A:VAL:HG12	7	1.59
(1,268)	1:75:B:LEU:HB3	1:39:B:PHE:HB3	9	1.59
(1,267)	1:75:A:LEU:HB3	1:39:A:PHE:HB3	9	1.59
(1,5462)	1:45:B:THR:H	1:60:B:LEU:HD13	17	1.58
(1,4846)	1:97:B:LYS:HE2	1:95:B:PHE:HB3	1	1.58
(1,4845)	1:97:A:LYS:HE2	1:95:A:PHE:HB3	1	1.58
(1,4826)	1:89:B:MET:HB2	1:90:B:ALA:HB3	13	1.58
(1,4825)	1:89:A:MET:HB2	1:90:A:ALA:HB3	13	1.58
(1,4221)	1:99:A:VAL:HG12	1:18:B:ILE:HG23	4	1.58
(1,4194)	1:81:B:LEU:HD21	1:80:B:PHE:H	14	1.58
(1,4193)	1:81:A:LEU:HD21	1:80:A:PHE:H	14	1.58
(1,3922)	1:37:B:THR:HG21	1:34:B:LEU:HD21	16	1.58
(1,3921)	1:37:A:THR:HG21	1:34:A:LEU:HD21	16	1.58
(1,3805)	1:99:A:VAL:HG12	1:18:B:ILE:HG23	4	1.58
(1,3734)	1:90:B:ALA:HA	1:87:B:LEU:HD23	5	1.58
(1,3733)	1:90:A:ALA:HA	1:87:A:LEU:HD23	5	1.58
(1,3490)	1:13:B:CYS:HB2	1:81:A:LEU:HD22	18	1.58
(1,3489)	1:13:A:CYS:HB2	1:81:B:LEU:HD22	4	1.58
(1,3489)	1:13:A:CYS:HB2	1:81:B:LEU:HD22	18	1.58
(1,3394)	1:81:B:LEU:HD12	1:87:A:LEU:HD11	2	1.58
(1,3393)	1:81:A:LEU:HD12	1:87:B:LEU:HD11	2	1.58
(1,3385)	1:83:A:LEU:HD21	1:11:B:GLU:HG2	3	1.58
(1,3364)	1:81:B:LEU:HD22	1:13:A:CYS:HB2	4	1.58
(1,3364)	1:81:B:LEU:HD22	1:13:A:CYS:HB2	18	1.58
(1,3363)	1:81:A:LEU:HD22	1:13:B:CYS:HB2	18	1.58
(1,3356)	1:14:B:ILE:HG21	1:17:A:LEU:HD13	9	1.58
(1,3356)	1:14:B:ILE:HG21	1:17:A:LEU:HD11	10	1.58
(1,3355)	1:14:A:ILE:HG21	1:17:B:LEU:HD13	9	1.58
(1,3355)	1:14:A:ILE:HG21	1:17:B:LEU:HD11	10	1.58
(1,412)	1:62:B:ARG:HD2	1:59:B:VAL:HG12	7	1.58
(1,411)	1:62:A:ARG:HD2	1:59:A:VAL:HG11	13	1.58
(1,5462)	1:45:B:THR:H	1:51:B:THR:HG21	6	1.57
(1,5462)	1:45:B:THR:H	1:51:B:THR:HG23	7	1.57
(1,5461)	1:45:A:THR:H	1:51:A:THR:HG21	6	1.57
(1,5461)	1:45:A:THR:H	1:51:A:THR:HG23	7	1.57
(1,5461)	1:45:A:THR:H	1:60:A:LEU:HD13	17	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5292)	1:94:B:SER:H	1:98:B:ALA:HB2	9	1.57
(1,5291)	1:94:A:SER:H	1:98:A:ALA:HB2	9	1.57
(1,4826)	1:88:B:ALA:HB3	1:89:B:MET:HB2	14	1.57
(1,4825)	1:88:A:ALA:HB3	1:89:A:MET:HB2	14	1.57
(1,3922)	1:37:B:THR:HG21	1:34:B:LEU:HD22	4	1.57
(1,3922)	1:37:B:THR:HG21	1:34:B:LEU:HD23	19	1.57
(1,3921)	1:37:A:THR:HG21	1:34:A:LEU:HD22	4	1.57
(1,3921)	1:37:A:THR:HG21	1:34:A:LEU:HD23	19	1.57
(1,3696)	1:12:B:ARG:HD2	1:17:A:LEU:HD23	17	1.57
(1,3490)	1:13:B:CYS:HB2	1:81:A:LEU:HD22	4	1.57
(1,3385)	1:17:A:LEU:HD21	1:11:B:GLU:HG2	13	1.57
(1,3363)	1:81:A:LEU:HD22	1:13:B:CYS:HB2	4	1.57
(1,3348)	1:14:B:ILE:HD11	1:47:A:LEU:HB2	2	1.57
(1,3347)	1:14:A:ILE:HD11	1:47:B:LEU:HB2	2	1.57
(1,268)	1:75:B:LEU:HB3	1:39:B:PHE:HB3	6	1.57
(1,267)	1:75:A:LEU:HB3	1:39:A:PHE:HB3	6	1.57
(1,5461)	1:45:A:THR:H	1:51:A:THR:HG22	4	1.56
(1,5416)	1:69:B:THR:H	1:75:B:LEU:HB2	14	1.56
(1,5415)	1:69:A:THR:H	1:75:A:LEU:HB2	14	1.56
(1,5300)	1:26:B:GLY:H	1:34:B:LEU:HB3	9	1.56
(1,5299)	1:26:A:GLY:H	1:34:A:LEU:HB3	9	1.56
(1,5298)	1:26:B:GLY:H	1:34:B:LEU:HB3	9	1.56
(1,5297)	1:26:A:GLY:H	1:34:A:LEU:HB3	9	1.56
(1,5274)	1:77:B:PHE:H	1:81:B:LEU:HD11	8	1.56
(1,5274)	1:77:B:PHE:H	1:81:B:LEU:HD13	20	1.56
(1,5273)	1:77:A:PHE:H	1:81:A:LEU:HD11	8	1.56
(1,4438)	1:25:B:ALA:HB2	1:24:B:TYR:HB3	20	1.56
(1,4398)	1:13:B:CYS:HB2	1:17:A:LEU:HD12	8	1.56
(1,4312)	1:68:B:ASP:HB2	1:64:B:MET:HB2	7	1.56
(1,4311)	1:68:A:ASP:HB2	1:64:A:MET:HB2	7	1.56
(1,4194)	1:85:B:GLY:H	1:81:B:LEU:HD22	11	1.56
(1,4193)	1:85:A:GLY:H	1:81:A:LEU:HD22	11	1.56
(1,4168)	1:20:B:VAL:HB	1:34:B:LEU:HD21	8	1.56
(1,4136)	1:20:B:VAL:HB	1:34:B:LEU:HD21	8	1.56
(1,4036)	1:94:B:SER:HB3	1:14:A:ILE:HG23	14	1.56
(1,3816)	1:42:B:PHE:HA	1:8:A:THR:HG21	8	1.56
(1,3734)	1:90:B:ALA:HA	1:87:B:LEU:HD23	2	1.56
(1,3661)	1:10:A:THR:HA	1:81:B:LEU:HD21	16	1.56
(1,3386)	1:17:B:LEU:HD21	1:11:A:GLU:HG2	13	1.56
(1,3385)	1:83:A:LEU:HD21	1:11:B:GLU:HG2	4	1.56
(1,565)	1:25:A:ALA:HB2	1:33:A:THR:HG22	16	1.56
(1,5462)	1:45:B:THR:H	1:51:B:THR:HG22	4	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5462)	1:45:B:THR:H	1:46:B:GLU:HB3	11	1.55
(1,5461)	1:45:A:THR:H	1:46:A:GLU:HB3	11	1.55
(1,5416)	1:69:B:THR:H	1:75:B:LEU:HB2	12	1.55
(1,5416)	1:69:B:THR:H	1:75:B:LEU:HB2	15	1.55
(1,5415)	1:69:A:THR:H	1:75:A:LEU:HB2	15	1.55
(1,5300)	1:26:B:GLY:H	1:34:B:LEU:HB3	7	1.55
(1,5300)	1:26:B:GLY:H	1:23:B:LYS:HD3	18	1.55
(1,5299)	1:26:A:GLY:H	1:34:A:LEU:HB3	7	1.55
(1,5299)	1:26:A:GLY:H	1:23:A:LYS:HD3	18	1.55
(1,5298)	1:26:B:GLY:H	1:34:B:LEU:HB3	7	1.55
(1,5298)	1:26:B:GLY:H	1:23:B:LYS:HD3	18	1.55
(1,5297)	1:26:A:GLY:H	1:34:A:LEU:HB3	7	1.55
(1,5297)	1:26:A:GLY:H	1:23:A:LYS:HD3	18	1.55
(1,5273)	1:77:A:PHE:H	1:81:A:LEU:HD13	20	1.55
(1,4654)	1:94:B:SER:HB3	1:100:B:PRO:HB3	18	1.55
(1,4653)	1:94:A:SER:HB3	1:100:A:PRO:HB3	18	1.55
(1,4437)	1:25:A:ALA:HB2	1:24:A:TYR:HB3	20	1.55
(1,4382)	1:49:B:ALA:HB2	1:14:A:ILE:HG23	20	1.55
(1,4381)	1:49:A:ALA:HB2	1:14:B:ILE:HG23	20	1.55
(1,4194)	1:81:B:LEU:HD21	1:85:A:GLY:H	10	1.55
(1,4193)	1:81:A:LEU:HD21	1:85:B:GLY:H	10	1.55
(1,4167)	1:20:A:VAL:HB	1:34:A:LEU:HD21	8	1.55
(1,4135)	1:20:A:VAL:HB	1:34:A:LEU:HD21	8	1.55
(1,4096)	1:17:B:LEU:HD13	1:89:A:MET:HG3	13	1.55
(1,4095)	1:17:A:LEU:HD13	1:89:B:MET:HG3	13	1.55
(1,4095)	1:17:A:LEU:HD13	1:89:B:MET:HG3	17	1.55
(1,4035)	1:94:A:SER:HB3	1:14:B:ILE:HG23	14	1.55
(1,4010)	1:59:B:VAL:HG22	1:87:B:LEU:HD22	3	1.55
(1,4009)	1:59:A:VAL:HG22	1:87:A:LEU:HD22	3	1.55
(1,3926)	1:15:B:GLU:HB3	1:91:A:CYS:HB3	5	1.55
(1,3922)	1:37:B:THR:HG21	1:34:B:LEU:HD23	11	1.55
(1,3921)	1:37:A:THR:HG21	1:34:A:LEU:HD23	11	1.55
(1,3815)	1:42:A:PHE:HA	1:8:B:THR:HG21	8	1.55
(1,3733)	1:90:A:ALA:HA	1:87:A:LEU:HD23	2	1.55
(1,3695)	1:12:A:ARG:HD2	1:17:B:LEU:HD23	1	1.55
(1,3587)	1:75:A:LEU:HB2	1:76:A:ASP:HB2	16	1.55
(1,3568)	1:17:B:LEU:HG	1:21:B:PHE:HB3	20	1.55
(1,3380)	1:20:B:VAL:HG11	1:12:A:ARG:HG3	15	1.55
(1,3356)	1:14:B:ILE:HG22	1:17:A:LEU:HD12	1	1.55
(1,3356)	1:14:B:ILE:HG21	1:17:A:LEU:HD12	8	1.55
(1,3355)	1:14:A:ILE:HG22	1:17:B:LEU:HD12	1	1.55
(1,566)	1:25:B:ALA:HB2	1:33:B:THR:HG22	16	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5462)	1:45:B:THR:H	1:51:B:THR:HG22	19	1.54
(1,5461)	1:45:A:THR:H	1:51:A:THR:HG22	19	1.54
(1,5415)	1:69:A:THR:H	1:75:A:LEU:HB2	12	1.54
(1,5274)	1:77:B:PHE:H	1:34:B:LEU:HD12	16	1.54
(1,5196)	1:73:B:GLY:H	1:69:B:THR:HG23	2	1.54
(1,4312)	1:68:B:ASP:HB2	1:64:B:MET:HB2	13	1.54
(1,4311)	1:68:A:ASP:HB2	1:64:A:MET:HB2	13	1.54
(1,4221)	1:99:A:VAL:HG11	1:18:B:ILE:HG22	16	1.54
(1,4095)	1:17:A:LEU:HD11	1:89:B:MET:HG3	8	1.54
(1,4036)	1:94:B:SER:HB3	1:99:B:VAL:HG11	2	1.54
(1,4036)	1:94:B:SER:HB3	1:99:B:VAL:HG11	8	1.54
(1,4035)	1:94:A:SER:HB3	1:99:A:VAL:HG11	2	1.54
(1,4035)	1:94:A:SER:HB3	1:99:A:VAL:HG11	8	1.54
(1,4021)	1:49:A:ALA:HB2	1:91:A:CYS:HB2	11	1.54
(1,3925)	1:15:A:GLU:HB3	1:91:B:CYS:HB3	5	1.54
(1,3922)	1:37:B:THR:HG22	1:34:B:LEU:HD23	9	1.54
(1,3921)	1:37:A:THR:HG22	1:34:A:LEU:HD23	9	1.54
(1,3805)	1:99:A:VAL:HG11	1:18:B:ILE:HG22	16	1.54
(1,3696)	1:12:B:ARG:HD2	1:17:A:LEU:HD23	1	1.54
(1,3696)	1:12:B:ARG:HD2	1:17:A:LEU:HD21	15	1.54
(1,3696)	1:12:B:ARG:HD2	1:17:A:LEU:HD21	20	1.54
(1,3695)	1:12:A:ARG:HD2	1:17:B:LEU:HD21	15	1.54
(1,3662)	1:10:B:THR:HA	1:81:A:LEU:HD21	16	1.54
(1,3588)	1:75:B:LEU:HB2	1:76:B:ASP:HB2	16	1.54
(1,3567)	1:17:A:LEU:HG	1:21:A:PHE:HB3	20	1.54
(1,3386)	1:83:B:LEU:HD21	1:11:A:GLU:HG2	3	1.54
(1,3379)	1:20:A:VAL:HG11	1:12:B:ARG:HG3	15	1.54
(1,3355)	1:14:A:ILE:HG21	1:17:B:LEU:HD12	8	1.54
(1,3348)	1:14:B:ILE:HD13	1:47:A:LEU:HB2	11	1.54
(1,3347)	1:14:A:ILE:HD13	1:47:B:LEU:HB2	11	1.54
(1,5416)	1:69:B:THR:H	1:75:B:LEU:HB2	2	1.53
(1,5415)	1:69:A:THR:H	1:75:A:LEU:HB2	2	1.53
(1,5300)	1:26:B:GLY:H	1:23:B:LYS:HD3	1	1.53
(1,5300)	1:26:B:GLY:H	1:23:B:LYS:HD2	2	1.53
(1,5299)	1:26:A:GLY:H	1:23:A:LYS:HD3	1	1.53
(1,5299)	1:26:A:GLY:H	1:23:A:LYS:HD2	2	1.53
(1,5298)	1:26:B:GLY:H	1:23:B:LYS:HD3	1	1.53
(1,5298)	1:26:B:GLY:H	1:23:B:LYS:HD2	2	1.53
(1,5297)	1:26:A:GLY:H	1:23:A:LYS:HD3	1	1.53
(1,5297)	1:26:A:GLY:H	1:23:A:LYS:HD2	2	1.53
(1,5292)	1:94:B:SER:H	1:98:B:ALA:HB2	6	1.53
(1,5291)	1:94:A:SER:H	1:98:A:ALA:HB2	6	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5274)	1:77:B:PHE:H	1:34:B:LEU:HD13	7	1.53
(1,5273)	1:77:A:PHE:H	1:34:A:LEU:HD13	7	1.53
(1,5273)	1:77:A:PHE:H	1:34:A:LEU:HD12	16	1.53
(1,5195)	1:73:A:GLY:H	1:69:A:THR:HG23	2	1.53
(1,4840)	1:68:B:ASP:HB2	1:72:B:ASP:HB2	19	1.53
(1,4839)	1:68:A:ASP:HB2	1:72:A:ASP:HB2	19	1.53
(1,4826)	1:89:B:MET:HB2	1:90:B:ALA:HB2	16	1.53
(1,4244)	1:91:B:CYS:HA	1:97:B:LYS:HB2	3	1.53
(1,4222)	1:99:B:VAL:HG11	1:18:A:ILE:HG22	16	1.53
(1,4195)	1:52:A:LYS:HB2	1:53:A:ASN:HB3	2	1.53
(1,4194)	1:81:B:LEU:HD22	1:85:A:GLY:H	1	1.53
(1,4194)	1:81:B:LEU:HD22	1:80:B:PHE:H	8	1.53
(1,4193)	1:81:A:LEU:HD22	1:80:A:PHE:H	8	1.53
(1,4022)	1:49:B:ALA:HB2	1:91:B:CYS:HB2	11	1.53
(1,4021)	1:49:A:ALA:HB3	1:91:A:CYS:HB3	9	1.53
(1,3926)	1:15:B:GLU:HB3	1:91:A:CYS:HB3	10	1.53
(1,3806)	1:99:B:VAL:HG11	1:18:A:ILE:HG22	16	1.53
(1,3734)	1:90:B:ALA:HA	1:87:B:LEU:HD23	6	1.53
(1,3733)	1:90:A:ALA:HA	1:87:A:LEU:HD23	6	1.53
(1,3662)	1:10:B:THR:HA	1:81:A:LEU:HD21	20	1.53
(1,3488)	1:10:B:THR:HB	1:81:A:LEU:HD21	14	1.53
(1,3487)	1:10:A:THR:HB	1:81:B:LEU:HD21	14	1.53
(1,3394)	1:81:B:LEU:HD11	1:87:A:LEU:HD13	14	1.53
(1,3393)	1:81:A:LEU:HD11	1:87:B:LEU:HD13	14	1.53
(1,3386)	1:83:B:LEU:HD23	1:11:A:GLU:HG2	11	1.53
(1,3385)	1:83:A:LEU:HD23	1:11:B:GLU:HG2	11	1.53
(1,3356)	1:14:B:ILE:HG22	1:17:A:LEU:HD11	19	1.53
(1,3355)	1:14:A:ILE:HG21	1:17:B:LEU:HD13	4	1.53
(1,3355)	1:14:A:ILE:HG22	1:17:B:LEU:HD11	19	1.53
(1,412)	1:62:B:ARG:HD2	1:59:B:VAL:HG13	15	1.53
(1,411)	1:62:A:ARG:HD2	1:59:A:VAL:HG13	15	1.53
(1,5416)	1:69:B:THR:H	1:75:B:LEU:HB2	3	1.52
(1,5416)	1:69:B:THR:H	1:75:B:LEU:HB2	13	1.52
(1,5415)	1:69:A:THR:H	1:75:A:LEU:HB2	3	1.52
(1,5415)	1:69:A:THR:H	1:75:A:LEU:HB2	13	1.52
(1,5292)	1:94:B:SER:H	1:98:B:ALA:HB1	4	1.52
(1,4826)	1:89:B:MET:HB2	1:90:B:ALA:HB3	9	1.52
(1,4825)	1:89:A:MET:HB2	1:90:A:ALA:HB3	9	1.52
(1,4825)	1:89:A:MET:HB2	1:90:A:ALA:HB2	16	1.52
(1,4293)	1:7:A:PRO:HB3	1:11:A:GLU:HG2	6	1.52
(1,4243)	1:91:A:CYS:HA	1:97:A:LYS:HB2	3	1.52
(1,4196)	1:52:B:LYS:HB2	1:53:B:ASN:HB3	2	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4194)	1:85:B:GLY:H	1:81:B:LEU:HD22	18	1.52
(1,4193)	1:81:A:LEU:HD22	1:85:B:GLY:H	1	1.52
(1,4193)	1:85:A:GLY:H	1:81:A:LEU:HD22	18	1.52
(1,4096)	1:17:B:LEU:HD11	1:89:A:MET:HG3	7	1.52
(1,4096)	1:17:B:LEU:HD11	1:89:A:MET:HG3	8	1.52
(1,4096)	1:17:B:LEU:HD13	1:89:A:MET:HG3	19	1.52
(1,4022)	1:49:B:ALA:HB3	1:91:B:CYS:HB3	9	1.52
(1,3925)	1:15:A:GLU:HB3	1:91:B:CYS:HB3	10	1.52
(1,3695)	1:12:A:ARG:HD2	1:17:B:LEU:HD21	20	1.52
(1,3661)	1:10:A:THR:HA	1:81:B:LEU:HD22	8	1.52
(1,3661)	1:10:A:THR:HA	1:81:B:LEU:HD21	20	1.52
(1,3394)	1:81:B:LEU:HD12	1:87:A:LEU:HD13	5	1.52
(1,3394)	1:81:B:LEU:HD13	1:87:A:LEU:HD12	7	1.52
(1,3393)	1:81:A:LEU:HD12	1:87:B:LEU:HD13	5	1.52
(1,3393)	1:81:A:LEU:HD13	1:87:B:LEU:HD12	7	1.52
(1,3356)	1:14:B:ILE:HG21	1:17:A:LEU:HD13	4	1.52
(1,5462)	1:45:B:THR:H	1:51:B:THR:HG22	9	1.51
(1,5461)	1:45:A:THR:H	1:51:A:THR:HG22	9	1.51
(1,5416)	1:69:B:THR:H	1:75:B:LEU:HB2	11	1.51
(1,5416)	1:69:B:THR:H	1:75:B:LEU:HB2	16	1.51
(1,5415)	1:69:A:THR:H	1:75:A:LEU:HB2	11	1.51
(1,5300)	1:26:B:GLY:H	1:34:B:LEU:HB3	12	1.51
(1,5300)	1:26:B:GLY:H	1:34:B:LEU:HB3	17	1.51
(1,5299)	1:26:A:GLY:H	1:34:A:LEU:HB3	12	1.51
(1,5299)	1:26:A:GLY:H	1:34:A:LEU:HB3	17	1.51
(1,5298)	1:26:B:GLY:H	1:34:B:LEU:HB3	12	1.51
(1,5298)	1:26:B:GLY:H	1:34:B:LEU:HB3	17	1.51
(1,5297)	1:26:A:GLY:H	1:34:A:LEU:HB3	12	1.51
(1,5297)	1:26:A:GLY:H	1:34:A:LEU:HB3	17	1.51
(1,5291)	1:94:A:SER:H	1:98:A:ALA:HB1	4	1.51
(1,4846)	1:66:B:LYS:HE2	1:62:B:ARG:HD3	5	1.51
(1,4688)	1:61:B:ASP:H	1:60:B:LEU:HD21	12	1.51
(1,4687)	1:61:A:ASP:H	1:60:A:LEU:HD21	12	1.51
(1,4630)	1:66:B:LYS:HE2	1:62:B:ARG:HD3	5	1.51
(1,4398)	1:13:B:CYS:HB2	1:17:A:LEU:HD11	10	1.51
(1,4398)	1:13:B:CYS:HB2	1:17:A:LEU:HD11	19	1.51
(1,4294)	1:7:B:PRO:HB3	1:11:B:GLU:HG2	6	1.51
(1,4244)	1:91:B:CYS:HA	1:97:B:LYS:HB2	2	1.51
(1,4243)	1:91:A:CYS:HA	1:97:A:LYS:HB2	2	1.51
(1,4230)	1:14:B:ILE:HB	1:13:B:CYS:HB3	2	1.51
(1,4229)	1:14:A:ILE:HB	1:13:A:CYS:HB3	2	1.51
(1,4096)	1:17:B:LEU:HD12	1:89:A:MET:HG3	4	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4096)	1:17:B:LEU:HD13	1:89:A:MET:HG3	17	1.51
(1,4095)	1:17:A:LEU:HD12	1:89:B:MET:HG3	4	1.51
(1,4012)	1:81:B:LEU:HD23	1:89:A:MET:HG3	9	1.51
(1,3922)	1:37:B:THR:HG23	1:34:B:LEU:HD22	3	1.51
(1,3921)	1:37:A:THR:HG23	1:34:A:LEU:HD22	3	1.51
(1,3662)	1:10:B:THR:HA	1:81:A:LEU:HD21	13	1.51
(1,3662)	1:10:B:THR:HA	1:81:A:LEU:HD21	19	1.51
(1,3661)	1:10:A:THR:HA	1:81:B:LEU:HD21	13	1.51
(1,3568)	1:17:B:LEU:HG	1:21:B:PHE:HB3	16	1.51
(1,3567)	1:17:A:LEU:HG	1:21:A:PHE:HB3	16	1.51
(1,3348)	1:14:B:ILE:HD13	1:47:A:LEU:HB2	10	1.51
(1,3347)	1:14:A:ILE:HD13	1:47:B:LEU:HB2	4	1.51
(1,3347)	1:14:A:ILE:HD13	1:47:B:LEU:HB2	10	1.51
(1,89)	1:15:A:GLU:HB2	1:9:B:GLU:HG3	19	1.51
(1,87)	1:15:A:GLU:HB2	1:9:B:GLU:HG3	19	1.51
(1,5415)	1:69:A:THR:H	1:75:A:LEU:HB2	16	1.5
(1,5300)	1:26:B:GLY:H	1:34:B:LEU:HB3	4	1.5
(1,5299)	1:26:A:GLY:H	1:23:A:LYS:HD3	3	1.5
(1,5299)	1:26:A:GLY:H	1:34:A:LEU:HB3	4	1.5
(1,5298)	1:26:B:GLY:H	1:34:B:LEU:HB3	4	1.5
(1,5297)	1:26:A:GLY:H	1:23:A:LYS:HD3	3	1.5
(1,5297)	1:26:A:GLY:H	1:34:A:LEU:HB3	4	1.5
(1,5292)	1:94:B:SER:H	1:96:B:LEU:HB3	20	1.5
(1,5291)	1:94:A:SER:H	1:96:A:LEU:HB3	20	1.5
(1,4845)	1:66:A:LYS:HE2	1:62:A:ARG:HD3	5	1.5
(1,4629)	1:66:A:LYS:HE2	1:62:A:ARG:HD3	5	1.5
(1,4576)	1:59:B:VAL:HG21	1:47:B:LEU:HD12	15	1.5
(1,4575)	1:59:A:VAL:HG21	1:47:A:LEU:HD12	15	1.5
(1,4398)	1:13:B:CYS:HB2	1:17:A:LEU:HD11	5	1.5
(1,4397)	1:13:A:CYS:HB2	1:17:B:LEU:HD11	5	1.5
(1,4397)	1:13:A:CYS:HB2	1:17:B:LEU:HD11	10	1.5
(1,4354)	1:12:B:ARG:HB2	1:17:B:LEU:H	13	1.5
(1,4353)	1:12:A:ARG:HB2	1:17:A:LEU:H	13	1.5
(1,4096)	1:17:B:LEU:HD11	1:89:A:MET:HG3	1	1.5
(1,4096)	1:17:B:LEU:HD12	1:89:A:MET:HG3	16	1.5
(1,4095)	1:17:A:LEU:HD11	1:89:B:MET:HG3	1	1.5
(1,4095)	1:17:A:LEU:HD11	1:89:B:MET:HG3	7	1.5
(1,4095)	1:17:A:LEU:HD12	1:89:B:MET:HG3	16	1.5
(1,4036)	1:94:B:SER:HB3	1:99:B:VAL:HG13	5	1.5
(1,4035)	1:94:A:SER:HB3	1:99:A:VAL:HG13	5	1.5
(1,4011)	1:81:A:LEU:HD23	1:89:B:MET:HG3	9	1.5
(1,3815)	1:42:A:PHE:HA	1:8:B:THR:HG22	9	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3662)	1:10:B:THR:HA	1:81:A:LEU:HD22	8	1.5
(1,3596)	1:13:B:CYS:HB2	1:20:A:VAL:HG13	16	1.5
(1,3595)	1:13:A:CYS:HB2	1:20:B:VAL:HG13	16	1.5
(1,3490)	1:13:B:CYS:HB2	1:81:A:LEU:HD23	7	1.5
(1,3424)	1:60:B:LEU:HB2	1:62:B:ARG:HA	9	1.5
(1,3423)	1:60:A:LEU:HB2	1:62:A:ARG:HA	9	1.5
(1,3348)	1:14:B:ILE:HD12	1:47:A:LEU:HB2	3	1.5
(1,90)	1:15:B:GLU:HB2	1:9:A:GLU:HG3	19	1.5
(1,88)	1:15:B:GLU:HB2	1:9:A:GLU:HG3	19	1.5
(1,5416)	1:69:B:THR:H	1:75:B:LEU:HB2	6	1.49
(1,5415)	1:69:A:THR:H	1:75:A:LEU:HB2	6	1.49
(1,5300)	1:26:B:GLY:H	1:23:B:LYS:HD3	3	1.49
(1,5298)	1:26:B:GLY:H	1:23:B:LYS:HD3	3	1.49
(1,5292)	1:94:B:SER:H	1:98:B:ALA:HB2	10	1.49
(1,5291)	1:94:A:SER:H	1:98:A:ALA:HB2	10	1.49
(1,5216)	1:34:B:LEU:H	1:21:B:PHE:HB3	18	1.49
(1,5215)	1:34:A:LEU:H	1:21:A:PHE:HB3	18	1.49
(1,4826)	1:89:B:MET:HB2	1:90:B:ALA:HB3	5	1.49
(1,4826)	1:88:B:ALA:HB1	1:89:B:MET:HB2	7	1.49
(1,4825)	1:89:A:MET:HB2	1:90:A:ALA:HB3	5	1.49
(1,4825)	1:88:A:ALA:HB1	1:89:A:MET:HB2	7	1.49
(1,4688)	1:61:B:ASP:H	1:60:B:LEU:HD22	20	1.49
(1,4687)	1:61:A:ASP:H	1:60:A:LEU:HD22	20	1.49
(1,4354)	1:12:B:ARG:HB2	1:17:B:LEU:H	8	1.49
(1,4354)	1:12:B:ARG:HB2	1:17:B:LEU:H	11	1.49
(1,4354)	1:12:B:ARG:HB2	1:17:B:LEU:H	20	1.49
(1,4353)	1:12:A:ARG:HB2	1:17:A:LEU:H	8	1.49
(1,4353)	1:12:A:ARG:HB2	1:17:A:LEU:H	11	1.49
(1,4353)	1:12:A:ARG:HB2	1:17:A:LEU:H	20	1.49
(1,4293)	1:7:A:PRO:HB3	1:11:A:GLU:HG2	14	1.49
(1,4244)	1:91:B:CYS:HA	1:97:B:LYS:HB2	9	1.49
(1,4243)	1:91:A:CYS:HA	1:97:A:LYS:HB2	9	1.49
(1,4222)	1:99:B:VAL:HG11	1:18:A:ILE:HG21	13	1.49
(1,4194)	1:81:B:LEU:HD22	1:80:B:PHE:H	12	1.49
(1,4193)	1:81:A:LEU:HD22	1:80:A:PHE:H	12	1.49
(1,3925)	1:15:A:GLU:HB3	1:91:B:CYS:HB3	8	1.49
(1,3806)	1:99:B:VAL:HG11	1:18:A:ILE:HG21	13	1.49
(1,3568)	1:17:B:LEU:HG	1:21:B:PHE:HB3	11	1.49
(1,3567)	1:17:A:LEU:HG	1:21:A:PHE:HB3	11	1.49
(1,3488)	1:10:B:THR:HB	1:81:A:LEU:HD21	13	1.49
(1,3487)	1:10:A:THR:HB	1:81:B:LEU:HD21	13	1.49
(1,3396)	1:81:B:LEU:HD11	1:17:A:LEU:HD11	17	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3394)	1:81:B:LEU:HD12	1:87:A:LEU:HD11	3	1.49
(1,3393)	1:81:A:LEU:HD12	1:87:B:LEU:HD11	3	1.49
(1,3348)	1:14:B:ILE:HD13	1:47:A:LEU:HB2	4	1.49
(1,714)	1:16:B:SER:HB3	1:17:B:LEU:HD22	12	1.49
(1,713)	1:16:A:SER:HB3	1:17:A:LEU:HD22	12	1.49
(1,412)	1:62:B:ARG:HD2	1:59:B:VAL:HG13	17	1.49
(1,411)	1:62:A:ARG:HD2	1:59:A:VAL:HG13	17	1.49
(1,5416)	1:69:B:THR:H	1:75:B:LEU:HB2	5	1.48
(1,5416)	1:69:B:THR:H	1:75:B:LEU:HB2	9	1.48
(1,5415)	1:69:A:THR:H	1:75:A:LEU:HB2	9	1.48
(1,5300)	1:26:B:GLY:H	1:23:B:LYS:HD3	13	1.48
(1,5299)	1:26:A:GLY:H	1:23:A:LYS:HD3	13	1.48
(1,5298)	1:26:B:GLY:H	1:23:B:LYS:HD3	13	1.48
(1,5297)	1:26:A:GLY:H	1:23:A:LYS:HD3	13	1.48
(1,5292)	1:94:B:SER:H	1:96:B:LEU:HB3	2	1.48
(1,5291)	1:94:A:SER:H	1:96:A:LEU:HB3	2	1.48
(1,5274)	1:77:B:PHE:H	1:81:B:LEU:HD13	9	1.48
(1,5273)	1:77:A:PHE:H	1:81:A:LEU:HD13	9	1.48
(1,4825)	1:19:A:ALA:HB1	1:9:B:GLU:HB3	1	1.48
(1,4353)	1:12:A:ARG:HB2	1:17:A:LEU:H	2	1.48
(1,4312)	1:68:B:ASP:HB2	1:64:B:MET:HB2	2	1.48
(1,4311)	1:68:A:ASP:HB2	1:64:A:MET:HB2	2	1.48
(1,4294)	1:7:B:PRO:HB3	1:11:B:GLU:HG2	14	1.48
(1,4221)	1:99:A:VAL:HG11	1:18:B:ILE:HG21	13	1.48
(1,4194)	1:81:B:LEU:HD21	1:80:B:PHE:H	16	1.48
(1,4194)	1:85:B:GLY:H	1:81:B:LEU:HD22	17	1.48
(1,4193)	1:85:A:GLY:H	1:81:A:LEU:HD22	17	1.48
(1,4095)	1:17:A:LEU:HD13	1:89:B:MET:HG3	19	1.48
(1,3805)	1:99:A:VAL:HG11	1:18:B:ILE:HG21	13	1.48
(1,3701)	1:27:A:LYS:HD2	1:42:A:PHE:HB3	17	1.48
(1,3662)	1:10:B:THR:HA	1:81:A:LEU:HD21	1	1.48
(1,3661)	1:10:A:THR:HA	1:81:B:LEU:HD21	1	1.48
(1,3568)	1:17:B:LEU:HG	1:21:B:PHE:HB3	2	1.48
(1,3568)	1:17:B:LEU:HG	1:21:B:PHE:HB3	3	1.48
(1,3568)	1:17:B:LEU:HG	1:21:B:PHE:HB3	19	1.48
(1,3567)	1:17:A:LEU:HG	1:21:A:PHE:HB3	2	1.48
(1,3567)	1:17:A:LEU:HG	1:21:A:PHE:HB3	3	1.48
(1,3538)	1:39:B:PHE:HB3	1:34:B:LEU:HA	6	1.48
(1,3537)	1:39:A:PHE:HB3	1:34:A:LEU:HA	6	1.48
(1,3489)	1:13:A:CYS:HB2	1:81:B:LEU:HD23	7	1.48
(1,3406)	1:9:B:GLU:HB3	1:17:A:LEU:HG	14	1.48
(1,3405)	1:9:A:GLU:HB3	1:17:B:LEU:HG	14	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3347)	1:14:A:ILE:HD12	1:47:B:LEU:HB2	3	1.48
(1,412)	1:62:B:ARG:HD2	1:59:B:VAL:HG12	16	1.48
(1,411)	1:62:A:ARG:HD2	1:59:A:VAL:HG12	16	1.48
(1,90)	1:15:B:GLU:HB2	1:9:A:GLU:HG2	8	1.48
(1,88)	1:15:B:GLU:HB2	1:9:A:GLU:HG2	8	1.48
(2,16)	1:61:B:ASP:HB2	1:62:B:ARG:HD2	20	1.47
(2,15)	1:61:A:ASP:HB2	1:62:A:ARG:HD2	20	1.47
(1,5415)	1:69:A:THR:H	1:75:A:LEU:HB2	5	1.47
(1,5300)	1:26:B:GLY:H	1:23:B:LYS:HD3	16	1.47
(1,5299)	1:26:A:GLY:H	1:23:A:LYS:HD3	16	1.47
(1,5298)	1:26:B:GLY:H	1:23:B:LYS:HD3	16	1.47
(1,5297)	1:26:A:GLY:H	1:23:A:LYS:HD3	16	1.47
(1,4826)	1:19:B:ALA:HB1	1:9:A:GLU:HB3	1	1.47
(1,4733)	1:8:A:THR:HG22	1:46:B:GLU:HB2	16	1.47
(1,4397)	1:13:A:CYS:HB2	1:17:B:LEU:HD11	19	1.47
(1,4381)	1:49:A:ALA:HB3	1:14:B:ILE:HG21	14	1.47
(1,4354)	1:12:B:ARG:HB2	1:17:B:LEU:H	2	1.47
(1,4354)	1:12:B:ARG:HB2	1:17:B:LEU:H	10	1.47
(1,4353)	1:12:A:ARG:HB2	1:17:A:LEU:H	10	1.47
(1,4294)	1:7:B:PRO:HB3	1:11:B:GLU:HG2	4	1.47
(1,4244)	1:91:B:CYS:HA	1:97:B:LYS:HB2	15	1.47
(1,4243)	1:91:A:CYS:HA	1:18:B:ILE:HB	14	1.47
(1,4243)	1:91:A:CYS:HA	1:97:A:LYS:HB2	15	1.47
(1,4196)	1:52:B:LYS:HB2	1:53:B:ASN:HB3	17	1.47
(1,4195)	1:52:A:LYS:HB2	1:53:A:ASN:HB3	17	1.47
(1,4193)	1:81:A:LEU:HD21	1:80:A:PHE:H	16	1.47
(1,4096)	1:17:B:LEU:HD13	1:89:A:MET:HG3	5	1.47
(1,4095)	1:17:A:LEU:HD13	1:89:B:MET:HG3	5	1.47
(1,4095)	1:17:A:LEU:HD13	1:89:B:MET:HG3	18	1.47
(1,4010)	1:59:B:VAL:HG22	1:87:B:LEU:HD22	11	1.47
(1,4009)	1:59:A:VAL:HG22	1:87:A:LEU:HD22	11	1.47
(1,3702)	1:27:B:LYS:HD2	1:42:B:PHE:HB3	17	1.47
(1,3614)	1:52:B:LYS:HG2	1:59:B:VAL:HG11	17	1.47
(1,3613)	1:52:A:LYS:HG2	1:59:A:VAL:HG11	17	1.47
(1,3567)	1:17:A:LEU:HG	1:21:A:PHE:HB3	19	1.47
(1,3487)	1:10:A:THR:HB	1:81:B:LEU:HD22	6	1.47
(1,3448)	1:35:B:SER:HA	1:28:B:ASP:HB3	5	1.47
(1,3395)	1:81:A:LEU:HD11	1:17:B:LEU:HD11	17	1.47
(1,182)	1:39:B:PHE:HB3	1:34:B:LEU:HA	9	1.47
(1,181)	1:39:A:PHE:HB3	1:34:A:LEU:HA	9	1.47
(1,89)	1:15:A:GLU:HB2	1:9:B:GLU:HG2	8	1.47
(1,87)	1:15:A:GLU:HB2	1:9:B:GLU:HG2	8	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,56)	1:17:B:LEU:HD13	1:13:A:CYS:HB2	14	1.47
(1,55)	1:17:A:LEU:HD13	1:13:B:CYS:HB2	14	1.47
(1,5416)	1:69:B:THR:H	1:75:B:LEU:HB2	10	1.46
(1,5415)	1:69:A:THR:H	1:75:A:LEU:HB2	10	1.46
(1,5300)	1:26:B:GLY:H	1:34:B:LEU:HB3	15	1.46
(1,5299)	1:26:A:GLY:H	1:34:A:LEU:HB3	15	1.46
(1,5298)	1:26:B:GLY:H	1:34:B:LEU:HB3	15	1.46
(1,5297)	1:26:A:GLY:H	1:34:A:LEU:HB3	15	1.46
(1,5292)	1:94:B:SER:H	1:98:B:ALA:HB1	16	1.46
(1,5274)	1:77:B:PHE:H	1:81:B:LEU:HD13	3	1.46
(1,5274)	1:77:B:PHE:H	1:81:B:LEU:HD12	12	1.46
(1,5273)	1:77:A:PHE:H	1:81:A:LEU:HD13	3	1.46
(1,4734)	1:8:B:THR:HG22	1:46:A:GLU:HB2	16	1.46
(1,4734)	1:8:B:THR:HG22	1:46:A:GLU:HB2	19	1.46
(1,4688)	1:41:B:SER:H	1:40:B:LEU:HD22	11	1.46
(1,4687)	1:41:A:SER:H	1:40:A:LEU:HD22	11	1.46
(1,4382)	1:49:B:ALA:HB3	1:14:A:ILE:HG21	14	1.46
(1,4354)	1:12:B:ARG:HB2	1:17:B:LEU:H	14	1.46
(1,4353)	1:12:A:ARG:HB2	1:17:A:LEU:H	14	1.46
(1,4293)	1:7:A:PRO:HB3	1:11:A:GLU:HG2	4	1.46
(1,4230)	1:14:B:ILE:HB	1:13:B:CYS:HB3	8	1.46
(1,4230)	1:91:B:CYS:HB3	1:14:A:ILE:HB	11	1.46
(1,4229)	1:14:A:ILE:HB	1:13:A:CYS:HB3	8	1.46
(1,4195)	1:52:A:LYS:HB2	1:53:A:ASN:HB3	4	1.46
(1,4194)	1:81:B:LEU:HD21	1:80:B:PHE:H	20	1.46
(1,4193)	1:81:A:LEU:HD21	1:80:A:PHE:H	20	1.46
(1,4096)	1:17:B:LEU:HD13	1:89:A:MET:HG3	18	1.46
(1,4096)	1:17:B:LEU:HD12	1:89:A:MET:HG3	20	1.46
(1,4058)	1:18:B:ILE:HG23	1:91:A:CYS:HB3	3	1.46
(1,3926)	1:15:B:GLU:HB3	1:91:A:CYS:HB3	8	1.46
(1,3816)	1:42:B:PHE:HA	1:8:A:THR:HG22	9	1.46
(1,3816)	1:42:B:PHE:HA	1:23:B:LYS:HD2	15	1.46
(1,3815)	1:42:A:PHE:HA	1:23:A:LYS:HD2	15	1.46
(1,3661)	1:10:A:THR:HA	1:81:B:LEU:HD21	19	1.46
(1,3568)	1:17:B:LEU:HG	1:21:B:PHE:HB3	8	1.46
(1,3567)	1:17:A:LEU:HG	1:21:A:PHE:HB3	8	1.46
(1,3447)	1:35:A:SER:HA	1:28:A:ASP:HB3	5	1.46
(1,3393)	1:81:A:LEU:HD13	1:87:B:LEU:HD12	19	1.46
(1,90)	1:15:B:GLU:HB2	1:9:A:GLU:HG3	11	1.46
(1,89)	1:15:A:GLU:HB2	1:9:B:GLU:HG3	11	1.46
(1,88)	1:15:B:GLU:HB2	1:9:A:GLU:HG3	11	1.46
(1,87)	1:15:A:GLU:HB2	1:9:B:GLU:HG3	11	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5416)	1:69:B:THR:H	1:75:B:LEU:HB2	1	1.45
(1,5415)	1:69:A:THR:H	1:75:A:LEU:HB2	1	1.45
(1,5292)	1:94:B:SER:H	1:96:B:LEU:HB3	15	1.45
(1,5291)	1:94:A:SER:H	1:96:A:LEU:HB3	15	1.45
(1,5291)	1:94:A:SER:H	1:98:A:ALA:HB1	16	1.45
(1,5273)	1:77:A:PHE:H	1:81:A:LEU:HD11	1	1.45
(1,5273)	1:77:A:PHE:H	1:81:A:LEU:HD12	12	1.45
(1,4653)	1:94:A:SER:HB3	1:100:A:PRO:HB3	9	1.45
(1,4328)	1:15:B:GLU:HG3	1:88:A:ALA:HB2	1	1.45
(1,4244)	1:91:B:CYS:HA	1:18:A:ILE:HB	14	1.45
(1,4229)	1:91:A:CYS:HB3	1:14:B:ILE:HB	11	1.45
(1,4196)	1:52:B:LYS:HB2	1:53:B:ASN:HB3	4	1.45
(1,4095)	1:17:A:LEU:HD13	1:89:B:MET:HG3	2	1.45
(1,4095)	1:17:A:LEU:HD12	1:89:B:MET:HG3	20	1.45
(1,4010)	1:59:B:VAL:HG22	1:87:B:LEU:HD22	7	1.45
(1,4009)	1:59:A:VAL:HG22	1:87:A:LEU:HD22	7	1.45
(1,3966)	1:9:B:GLU:HB2	1:12:B:ARG:HD2	1	1.45
(1,3965)	1:9:A:GLU:HB2	1:12:A:ARG:HD2	1	1.45
(1,3922)	1:37:B:THR:HG23	1:34:B:LEU:HD21	6	1.45
(1,3921)	1:37:A:THR:HG23	1:34:A:LEU:HD21	6	1.45
(1,3850)	1:34:B:LEU:HB2	1:39:B:PHE:HB2	19	1.45
(1,3849)	1:34:A:LEU:HB2	1:39:A:PHE:HB2	19	1.45
(1,3568)	1:17:B:LEU:HG	1:21:B:PHE:HB3	9	1.45
(1,3567)	1:17:A:LEU:HG	1:21:A:PHE:HB3	9	1.45
(1,3514)	1:40:B:LEU:HB2	1:39:B:PHE:HB3	15	1.45
(1,3513)	1:40:A:LEU:HB2	1:39:A:PHE:HB3	15	1.45
(1,3488)	1:10:B:THR:HB	1:81:A:LEU:HD22	6	1.45
(1,3395)	1:81:A:LEU:HD13	1:17:B:LEU:HD12	7	1.45
(1,3394)	1:81:B:LEU:HD13	1:87:A:LEU:HD12	19	1.45
(1,3386)	1:83:B:LEU:HD21	1:11:A:GLU:HG2	10	1.45
(1,3385)	1:83:A:LEU:HD21	1:11:B:GLU:HG2	10	1.45
(1,566)	1:25:B:ALA:HB2	1:33:B:THR:HG22	11	1.45
(2,148)	1:89:B:MET:HG2	1:93:B:ASP:HB3	10	1.44
(2,146)	1:15:B:GLU:HG2	1:11:B:GLU:HG2	19	1.44
(2,145)	1:15:A:GLU:HG2	1:11:A:GLU:HG2	19	1.44
(2,144)	1:89:B:MET:HG2	1:93:B:ASP:HB3	10	1.44
(2,130)	1:89:B:MET:HG2	1:93:B:ASP:HB3	10	1.44
(1,5416)	1:69:B:THR:H	1:75:B:LEU:HB2	7	1.44
(1,5416)	1:69:B:THR:H	1:75:B:LEU:HB2	8	1.44
(1,5416)	1:69:B:THR:H	1:75:B:LEU:HB2	17	1.44
(1,5415)	1:69:A:THR:H	1:75:A:LEU:HB2	7	1.44
(1,5415)	1:69:A:THR:H	1:75:A:LEU:HB2	8	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5415)	1:69:A:THR:H	1:75:A:LEU:HB2	17	1.44
(1,5292)	1:94:B:SER:H	1:96:B:LEU:HB3	12	1.44
(1,5292)	1:94:B:SER:H	1:96:B:LEU:HB3	13	1.44
(1,5291)	1:94:A:SER:H	1:98:A:ALA:HB2	7	1.44
(1,5291)	1:94:A:SER:H	1:96:A:LEU:HB3	12	1.44
(1,5291)	1:94:A:SER:H	1:96:A:LEU:HB3	13	1.44
(1,5274)	1:77:B:PHE:H	1:81:B:LEU:HD11	1	1.44
(1,4654)	1:94:B:SER:HB3	1:100:B:PRO:HB3	9	1.44
(1,4354)	1:12:B:ARG:HB2	1:17:B:LEU:H	18	1.44
(1,4327)	1:15:A:GLU:HG3	1:88:B:ALA:HB2	1	1.44
(1,4294)	1:7:B:PRO:HB3	1:11:B:GLU:HG2	5	1.44
(1,4294)	1:7:B:PRO:HB3	1:11:B:GLU:HG2	16	1.44
(1,4293)	1:7:A:PRO:HB3	1:11:A:GLU:HG2	5	1.44
(1,4293)	1:7:A:PRO:HB3	1:11:A:GLU:HG2	16	1.44
(1,4096)	1:17:B:LEU:HD13	1:89:A:MET:HG3	2	1.44
(1,4024)	1:83:B:LEU:HB3	1:82:B:ASN:HB2	9	1.44
(1,4024)	1:83:B:LEU:HB3	1:82:B:ASN:HB2	11	1.44
(1,4023)	1:83:A:LEU:HB3	1:82:A:ASN:HB2	9	1.44
(1,4023)	1:83:A:LEU:HB3	1:82:A:ASN:HB2	11	1.44
(1,4012)	1:81:B:LEU:HD21	1:89:A:MET:HG3	3	1.44
(1,4011)	1:81:A:LEU:HD21	1:89:B:MET:HG3	17	1.44
(1,4009)	1:59:A:VAL:HG21	1:87:A:LEU:HD23	1	1.44
(1,3909)	1:82:A:ASN:HB2	1:75:A:LEU:HB2	1	1.44
(1,3662)	1:10:B:THR:HA	1:81:A:LEU:HD22	5	1.44
(1,3538)	1:34:B:LEU:HA	1:80:B:PHE:HB2	7	1.44
(1,3537)	1:34:A:LEU:HA	1:80:A:PHE:HB2	7	1.44
(1,565)	1:25:A:ALA:HB2	1:33:A:THR:HG22	11	1.44
(1,90)	1:15:B:GLU:HB2	1:9:A:GLU:HG2	2	1.44
(1,90)	1:15:B:GLU:HB2	1:9:A:GLU:HG3	10	1.44
(1,89)	1:15:A:GLU:HB2	1:9:B:GLU:HG2	2	1.44
(1,89)	1:15:A:GLU:HB2	1:9:B:GLU:HG3	10	1.44
(1,88)	1:15:B:GLU:HB2	1:9:A:GLU:HG2	2	1.44
(1,88)	1:15:B:GLU:HB2	1:9:A:GLU:HG3	10	1.44
(1,87)	1:15:A:GLU:HB2	1:9:B:GLU:HG2	2	1.44
(1,87)	1:15:A:GLU:HB2	1:9:B:GLU:HG3	10	1.44
(2,147)	1:89:A:MET:HG2	1:93:A:ASP:HB3	10	1.43
(2,143)	1:89:A:MET:HG2	1:93:A:ASP:HB3	10	1.43
(2,129)	1:89:A:MET:HG2	1:93:A:ASP:HB3	10	1.43
(1,5462)	1:45:B:THR:H	1:51:B:THR:HG21	8	1.43
(1,5461)	1:45:A:THR:H	1:51:A:THR:HG21	8	1.43
(1,5416)	1:69:B:THR:H	1:75:B:LEU:HB2	18	1.43
(1,5415)	1:69:A:THR:H	1:75:A:LEU:HB2	18	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5292)	1:94:B:SER:H	1:96:B:LEU:HB3	1	1.43
(1,5292)	1:94:B:SER:H	1:98:B:ALA:HB2	7	1.43
(1,5292)	1:94:B:SER:H	1:96:B:LEU:HB3	11	1.43
(1,5291)	1:94:A:SER:H	1:96:A:LEU:HB3	1	1.43
(1,5274)	1:77:B:PHE:H	1:96:A:LEU:HD23	14	1.43
(1,5196)	1:73:B:GLY:H	1:69:B:THR:HG23	13	1.43
(1,5195)	1:73:A:GLY:H	1:69:A:THR:HG23	13	1.43
(1,4826)	1:89:B:MET:HB2	1:90:B:ALA:HB2	4	1.43
(1,4826)	1:89:B:MET:HB2	1:90:B:ALA:HB2	17	1.43
(1,4825)	1:89:A:MET:HB2	1:90:A:ALA:HB2	4	1.43
(1,4825)	1:89:A:MET:HB2	1:90:A:ALA:HB2	17	1.43
(1,4733)	1:8:A:THR:HG22	1:46:B:GLU:HB2	19	1.43
(1,4688)	1:61:B:ASP:H	1:60:B:LEU:HD22	9	1.43
(1,4688)	1:61:B:ASP:H	1:60:B:LEU:HD21	10	1.43
(1,4687)	1:61:A:ASP:H	1:60:A:LEU:HD22	9	1.43
(1,4687)	1:61:A:ASP:H	1:60:A:LEU:HD21	10	1.43
(1,4398)	1:13:B:CYS:HB2	1:17:A:LEU:HD13	3	1.43
(1,4398)	1:13:B:CYS:HB2	1:17:A:LEU:HD13	20	1.43
(1,4354)	1:12:B:ARG:HB2	1:17:B:LEU:H	5	1.43
(1,4353)	1:12:A:ARG:HB2	1:17:A:LEU:H	5	1.43
(1,4353)	1:12:A:ARG:HB2	1:17:A:LEU:H	18	1.43
(1,4244)	1:91:B:CYS:HA	1:97:B:LYS:HB2	8	1.43
(1,4243)	1:91:A:CYS:HA	1:97:A:LYS:HB2	8	1.43
(1,4196)	1:52:B:LYS:HB2	1:53:B:ASN:HB3	15	1.43
(1,4195)	1:52:A:LYS:HB2	1:53:A:ASN:HB3	15	1.43
(1,4095)	1:17:A:LEU:HD11	1:89:B:MET:HG3	11	1.43
(1,4036)	1:94:B:SER:HB2	1:14:A:ILE:HG23	1	1.43
(1,4035)	1:94:A:SER:HB2	1:14:B:ILE:HG23	1	1.43
(1,4010)	1:59:B:VAL:HG21	1:87:B:LEU:HD23	1	1.43
(1,3910)	1:82:B:ASN:HB2	1:75:B:LEU:HB2	1	1.43
(1,3734)	1:90:B:ALA:HA	1:87:B:LEU:HD21	16	1.43
(1,3733)	1:90:A:ALA:HA	1:87:A:LEU:HD21	16	1.43
(1,3695)	1:12:A:ARG:HD2	1:17:B:LEU:HD22	12	1.43
(1,3661)	1:10:A:THR:HA	1:81:B:LEU:HD22	5	1.43
(1,3568)	1:17:B:LEU:HG	1:21:B:PHE:HB3	7	1.43
(1,3567)	1:17:A:LEU:HG	1:21:A:PHE:HB3	7	1.43
(1,3489)	1:13:A:CYS:HB2	1:81:B:LEU:HD23	12	1.43
(1,3396)	1:81:B:LEU:HD13	1:17:A:LEU:HD12	7	1.43
(1,3364)	1:81:B:LEU:HD23	1:13:A:CYS:HB2	12	1.43
(1,3348)	1:14:B:ILE:HD12	1:47:A:LEU:HB2	16	1.43
(1,3347)	1:14:A:ILE:HD12	1:47:B:LEU:HB2	16	1.43
(2,146)	1:15:B:GLU:HG2	1:11:B:GLU:HG2	16	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,145)	1:15:A:GLU:HG2	1:11:A:GLU:HG2	16	1.42
(1,5415)	1:69:A:THR:H	1:75:A:LEU:HB2	4	1.42
(1,5292)	1:94:B:SER:H	1:96:B:LEU:HB3	3	1.42
(1,5291)	1:94:A:SER:H	1:96:A:LEU:HB3	3	1.42
(1,5291)	1:94:A:SER:H	1:96:A:LEU:HB3	11	1.42
(1,5274)	1:77:B:PHE:H	1:81:B:LEU:HD11	11	1.42
(1,5273)	1:77:A:PHE:H	1:96:B:LEU:HD23	14	1.42
(1,4826)	1:89:B:MET:HB2	1:90:B:ALA:HB2	6	1.42
(1,4687)	1:61:A:ASP:H	1:40:A:LEU:HD23	19	1.42
(1,4397)	1:13:A:CYS:HB2	1:17:B:LEU:HD13	20	1.42
(1,4354)	1:12:B:ARG:HB2	1:17:B:LEU:H	12	1.42
(1,4353)	1:12:A:ARG:HB2	1:17:A:LEU:H	12	1.42
(1,4230)	1:14:B:ILE:HB	1:13:B:CYS:HB3	10	1.42
(1,4229)	1:14:A:ILE:HB	1:13:A:CYS:HB3	10	1.42
(1,4168)	1:20:B:VAL:HB	1:34:B:LEU:HD23	14	1.42
(1,4167)	1:20:A:VAL:HB	1:34:A:LEU:HD23	14	1.42
(1,4136)	1:20:B:VAL:HB	1:34:B:LEU:HD23	14	1.42
(1,4135)	1:20:A:VAL:HB	1:34:A:LEU:HD23	14	1.42
(1,4120)	1:46:B:GLU:HB3	1:23:B:LYS:HG3	16	1.42
(1,4119)	1:46:A:GLU:HB3	1:23:A:LYS:HG3	16	1.42
(1,4096)	1:17:B:LEU:HD11	1:89:A:MET:HG3	11	1.42
(1,4058)	1:18:B:ILE:HG22	1:91:A:CYS:HB3	1	1.42
(1,4057)	1:18:A:ILE:HG22	1:91:B:CYS:HB3	1	1.42
(1,4057)	1:18:A:ILE:HG23	1:91:B:CYS:HB3	3	1.42
(1,4012)	1:81:B:LEU:HD21	1:89:A:MET:HG3	7	1.42
(1,4011)	1:81:A:LEU:HD21	1:89:B:MET:HG3	11	1.42
(1,4011)	1:81:A:LEU:HD22	1:89:B:MET:HG3	18	1.42
(1,4010)	1:59:B:VAL:HG22	1:87:B:LEU:HD21	10	1.42
(1,4009)	1:59:A:VAL:HG22	1:87:A:LEU:HD21	10	1.42
(1,3966)	1:15:B:GLU:HB2	1:12:B:ARG:HD2	18	1.42
(1,3965)	1:15:A:GLU:HB2	1:12:A:ARG:HD2	18	1.42
(1,3696)	1:12:B:ARG:HD2	1:17:A:LEU:HD22	12	1.42
(1,3662)	1:10:B:THR:HA	1:81:A:LEU:HD22	3	1.42
(1,3661)	1:10:A:THR:HA	1:81:B:LEU:HD22	17	1.42
(1,3567)	1:17:A:LEU:HG	1:21:A:PHE:HB3	14	1.42
(1,3490)	1:13:B:CYS:HB2	1:81:A:LEU:HD23	12	1.42
(1,3395)	1:81:A:LEU:HD13	1:17:B:LEU:HD11	19	1.42
(1,3394)	1:81:B:LEU:HD11	1:87:A:LEU:HD12	17	1.42
(1,3363)	1:81:A:LEU:HD23	1:13:B:CYS:HB2	12	1.42
(1,566)	1:25:B:ALA:HB3	1:33:B:THR:HG22	9	1.42
(1,565)	1:25:A:ALA:HB3	1:33:A:THR:HG22	9	1.42
(1,224)	1:34:B:LEU:HB2	1:39:B:PHE:HB3	9	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,223)	1:34:A:LEU:HB2	1:39:A:PHE:HB3	9	1.42
(1,182)	1:39:B:PHE:HB3	1:34:B:LEU:HA	7	1.42
(1,181)	1:39:A:PHE:HB3	1:34:A:LEU:HA	7	1.42
(1,90)	1:15:B:GLU:HB2	1:9:A:GLU:HG3	15	1.42
(1,88)	1:15:B:GLU:HB2	1:9:A:GLU:HG3	15	1.42
(1,56)	1:17:B:LEU:HD11	1:13:A:CYS:HB2	6	1.42
(1,5416)	1:69:B:THR:H	1:75:B:LEU:HB2	4	1.41
(1,5300)	1:26:B:GLY:H	1:34:B:LEU:HB3	6	1.41
(1,5299)	1:26:A:GLY:H	1:34:A:LEU:HB3	6	1.41
(1,5298)	1:26:B:GLY:H	1:34:B:LEU:HB3	6	1.41
(1,5297)	1:26:A:GLY:H	1:34:A:LEU:HB3	6	1.41
(1,5273)	1:77:A:PHE:H	1:81:A:LEU:HD11	11	1.41
(1,4826)	1:89:B:MET:HB2	1:90:B:ALA:HB1	12	1.41
(1,4825)	1:89:A:MET:HB2	1:90:A:ALA:HB2	6	1.41
(1,4825)	1:89:A:MET:HB2	1:90:A:ALA:HB1	12	1.41
(1,4688)	1:61:B:ASP:H	1:40:B:LEU:HD23	19	1.41
(1,4632)	1:61:B:ASP:H	1:60:B:LEU:HD21	12	1.41
(1,4631)	1:61:A:ASP:H	1:60:A:LEU:HD21	12	1.41
(1,4397)	1:13:A:CYS:HB2	1:17:B:LEU:HD13	3	1.41
(1,4354)	1:12:B:ARG:HB2	1:17:B:LEU:H	15	1.41
(1,4353)	1:12:A:ARG:HB2	1:17:A:LEU:H	15	1.41
(1,4312)	1:68:B:ASP:HB2	1:64:B:MET:HB2	14	1.41
(1,4311)	1:68:A:ASP:HB2	1:64:A:MET:HB2	14	1.41
(1,4167)	1:20:A:VAL:HB	1:34:A:LEU:HD21	5	1.41
(1,4135)	1:20:A:VAL:HB	1:34:A:LEU:HD21	5	1.41
(1,4012)	1:81:B:LEU:HD22	1:89:A:MET:HG3	18	1.41
(1,4011)	1:81:A:LEU:HD21	1:89:B:MET:HG3	3	1.41
(1,4011)	1:81:A:LEU:HD23	1:89:B:MET:HG3	16	1.41
(1,3815)	1:42:A:PHE:HA	1:8:B:THR:HG23	20	1.41
(1,3734)	1:90:B:ALA:HA	1:87:B:LEU:HD22	10	1.41
(1,3733)	1:90:A:ALA:HA	1:87:A:LEU:HD22	10	1.41
(1,3661)	1:10:A:THR:HA	1:81:B:LEU:HD22	12	1.41
(1,3568)	1:17:B:LEU:HG	1:21:B:PHE:HB3	14	1.41
(1,3514)	1:40:B:LEU:HB2	1:39:B:PHE:HB3	5	1.41
(1,3514)	1:40:B:LEU:HB2	1:39:B:PHE:HB3	14	1.41
(1,3513)	1:40:A:LEU:HB2	1:39:A:PHE:HB3	5	1.41
(1,3513)	1:40:A:LEU:HB2	1:39:A:PHE:HB3	14	1.41
(1,3395)	1:81:A:LEU:HD12	1:17:B:LEU:HD13	3	1.41
(1,3393)	1:81:A:LEU:HD11	1:87:B:LEU:HD12	17	1.41
(1,3386)	1:83:B:LEU:HD22	1:11:A:GLU:HG2	17	1.41
(1,3347)	1:14:A:ILE:HD12	1:47:B:LEU:HB2	6	1.41
(1,566)	1:25:B:ALA:HB3	1:33:B:THR:HG21	3	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,565)	1:25:A:ALA:HB3	1:33:A:THR:HG21	3	1.41
(1,90)	1:15:B:GLU:HB2	1:9:A:GLU:HG2	20	1.41
(1,89)	1:15:A:GLU:HB2	1:9:B:GLU:HG3	15	1.41
(1,89)	1:15:A:GLU:HB2	1:9:B:GLU:HG2	20	1.41
(1,88)	1:15:B:GLU:HB2	1:9:A:GLU:HG2	20	1.41
(1,87)	1:15:A:GLU:HB2	1:9:B:GLU:HG3	15	1.41
(1,87)	1:15:A:GLU:HB2	1:9:B:GLU:HG2	20	1.41
(1,55)	1:17:A:LEU:HD11	1:13:B:CYS:HB2	6	1.41
(1,5650)	1:18:B:ILE:H	1:17:B:LEU:HD12	4	1.4
(1,5498)	1:76:B:ASP:H	1:72:B:ASP:HB3	19	1.4
(1,5497)	1:76:A:ASP:H	1:72:A:ASP:HB3	19	1.4
(1,5462)	1:45:B:THR:H	1:51:B:THR:HG22	1	1.4
(1,4370)	1:75:B:LEU:HB2	1:67:B:LEU:HD13	2	1.4
(1,4369)	1:75:A:LEU:HB2	1:67:A:LEU:HD13	2	1.4
(1,4354)	1:12:B:ARG:HB2	1:17:B:LEU:H	3	1.4
(1,4354)	1:12:B:ARG:HB2	1:17:B:LEU:H	7	1.4
(1,4354)	1:12:B:ARG:HB2	1:17:B:LEU:H	9	1.4
(1,4353)	1:12:A:ARG:HB2	1:17:A:LEU:H	3	1.4
(1,4353)	1:12:A:ARG:HB2	1:17:A:LEU:H	7	1.4
(1,4353)	1:12:A:ARG:HB2	1:17:A:LEU:H	9	1.4
(1,4312)	1:68:B:ASP:HB2	1:64:B:MET:HB2	16	1.4
(1,4311)	1:68:A:ASP:HB2	1:64:A:MET:HB2	16	1.4
(1,4294)	1:7:B:PRO:HB3	1:11:B:GLU:HG2	8	1.4
(1,4294)	1:7:B:PRO:HB3	1:11:B:GLU:HG2	19	1.4
(1,4293)	1:7:A:PRO:HB3	1:11:A:GLU:HG2	8	1.4
(1,4293)	1:7:A:PRO:HB3	1:11:A:GLU:HG2	19	1.4
(1,4168)	1:20:B:VAL:HB	1:34:B:LEU:HD21	5	1.4
(1,4136)	1:20:B:VAL:HB	1:34:B:LEU:HD21	5	1.4
(1,4058)	1:18:B:ILE:HG21	1:91:A:CYS:HB3	7	1.4
(1,4012)	1:81:B:LEU:HD21	1:89:A:MET:HG3	11	1.4
(1,4012)	1:81:B:LEU:HD23	1:89:A:MET:HG3	16	1.4
(1,4012)	1:81:B:LEU:HD21	1:89:A:MET:HG3	17	1.4
(1,3926)	1:15:B:GLU:HB3	1:91:A:CYS:HB3	19	1.4
(1,3816)	1:42:B:PHE:HA	1:8:A:THR:HG23	20	1.4
(1,3734)	1:90:B:ALA:HA	1:87:B:LEU:HD23	3	1.4
(1,3734)	1:90:B:ALA:HA	1:87:B:LEU:HD23	11	1.4
(1,3720)	1:47:B:LEU:HD12	1:10:A:THR:H	10	1.4
(1,3719)	1:47:A:LEU:HD12	1:10:B:THR:H	10	1.4
(1,3674)	1:75:B:LEU:HB3	1:63:B:MET:HB2	16	1.4
(1,3673)	1:75:A:LEU:HB3	1:63:A:MET:HB2	16	1.4
(1,3662)	1:10:B:THR:HA	1:81:A:LEU:HD22	12	1.4
(1,3416)	1:83:B:LEU:HG	1:82:B:ASN:HB2	2	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3415)	1:83:A:LEU:HG	1:82:A:ASN:HB2	2	1.4
(1,3386)	1:17:B:LEU:HD21	1:11:A:GLU:HG2	20	1.4
(1,3385)	1:17:A:LEU:HD21	1:11:B:GLU:HG2	20	1.4
(1,3348)	1:14:B:ILE:HD12	1:47:A:LEU:HB2	6	1.4
(1,90)	1:15:B:GLU:HB2	1:9:A:GLU:HG3	6	1.4
(1,89)	1:15:A:GLU:HB2	1:9:B:GLU:HG3	6	1.4
(1,88)	1:15:B:GLU:HB2	1:9:A:GLU:HG3	6	1.4
(1,87)	1:15:A:GLU:HB2	1:9:B:GLU:HG3	6	1.4
(1,5649)	1:18:A:ILE:H	1:17:A:LEU:HD12	4	1.39
(1,5461)	1:45:A:THR:H	1:51:A:THR:HG22	1	1.39
(1,5300)	1:26:B:GLY:H	1:34:B:LEU:HB3	10	1.39
(1,5299)	1:26:A:GLY:H	1:34:A:LEU:HB3	10	1.39
(1,5298)	1:26:B:GLY:H	1:34:B:LEU:HB3	10	1.39
(1,5297)	1:26:A:GLY:H	1:34:A:LEU:HB3	10	1.39
(1,5292)	1:94:B:SER:H	1:96:B:LEU:HB3	5	1.39
(1,4826)	1:88:B:ALA:HB3	1:89:B:MET:HB2	8	1.39
(1,4825)	1:88:A:ALA:HB3	1:89:A:MET:HB2	8	1.39
(1,4688)	1:61:B:ASP:H	1:60:B:LEU:HD21	7	1.39
(1,4688)	1:61:B:ASP:H	1:40:B:LEU:HD23	14	1.39
(1,4687)	1:61:A:ASP:H	1:60:A:LEU:HD21	7	1.39
(1,4687)	1:61:A:ASP:H	1:40:A:LEU:HD23	14	1.39
(1,4438)	1:25:B:ALA:HB3	1:24:B:TYR:HB3	13	1.39
(1,4437)	1:25:A:ALA:HB3	1:24:A:TYR:HB3	13	1.39
(1,4354)	1:12:B:ARG:HB2	1:17:B:LEU:H	19	1.39
(1,4353)	1:12:A:ARG:HB2	1:17:A:LEU:H	19	1.39
(1,4293)	1:7:A:PRO:HB3	1:11:A:GLU:HG2	17	1.39
(1,4244)	1:91:B:CYS:HA	1:18:A:ILE:HB	16	1.39
(1,4096)	1:17:B:LEU:HD11	1:89:A:MET:HG3	15	1.39
(1,4095)	1:17:A:LEU:HD11	1:89:B:MET:HG3	15	1.39
(1,4012)	1:81:B:LEU:HD23	1:89:A:MET:HG3	5	1.39
(1,4011)	1:81:A:LEU:HD23	1:89:B:MET:HG3	5	1.39
(1,4011)	1:81:A:LEU:HD21	1:89:B:MET:HG3	7	1.39
(1,3954)	1:68:B:ASP:HB3	1:66:B:LYS:HG2	18	1.39
(1,3953)	1:68:A:ASP:HB3	1:66:A:LYS:HG2	18	1.39
(1,3926)	1:15:B:GLU:HB3	1:91:A:CYS:HB3	3	1.39
(1,3816)	1:42:B:PHE:HA	1:8:A:THR:HG23	4	1.39
(1,3815)	1:42:A:PHE:HA	1:8:B:THR:HG22	1	1.39
(1,3733)	1:90:A:ALA:HA	1:87:A:LEU:HD23	3	1.39
(1,3733)	1:90:A:ALA:HA	1:87:A:LEU:HD23	11	1.39
(1,3661)	1:10:A:THR:HA	1:81:B:LEU:HD22	3	1.39
(1,3396)	1:81:B:LEU:HD12	1:17:A:LEU:HD13	3	1.39
(1,3364)	1:81:B:LEU:HD23	1:81:A:LEU:HA	7	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,565)	1:25:A:ALA:HB2	1:33:A:THR:HG21	2	1.39
(1,90)	1:15:B:GLU:HB2	1:9:A:GLU:HG3	17	1.39
(1,89)	1:15:A:GLU:HB2	1:9:B:GLU:HG2	3	1.39
(1,88)	1:15:B:GLU:HB2	1:9:A:GLU:HG3	17	1.39
(1,87)	1:15:A:GLU:HB2	1:9:B:GLU:HG2	3	1.39
(1,5462)	1:45:B:THR:H	1:51:B:THR:HG22	16	1.38
(1,5461)	1:45:A:THR:H	1:51:A:THR:HG22	16	1.38
(1,5300)	1:26:B:GLY:H	1:23:B:LYS:HD3	5	1.38
(1,5299)	1:26:A:GLY:H	1:23:A:LYS:HD3	5	1.38
(1,5298)	1:26:B:GLY:H	1:23:B:LYS:HD3	5	1.38
(1,5297)	1:26:A:GLY:H	1:23:A:LYS:HD3	5	1.38
(1,5292)	1:94:B:SER:H	1:98:B:ALA:HB3	17	1.38
(1,5291)	1:94:A:SER:H	1:96:A:LEU:HB3	5	1.38
(1,5291)	1:94:A:SER:H	1:98:A:ALA:HB3	17	1.38
(1,5274)	1:77:B:PHE:H	1:81:B:LEU:HD11	19	1.38
(1,5273)	1:77:A:PHE:H	1:81:A:LEU:HD11	19	1.38
(1,4734)	1:8:B:THR:HG21	1:46:A:GLU:HB2	12	1.38
(1,4733)	1:8:A:THR:HG21	1:46:B:GLU:HB2	12	1.38
(1,4733)	1:8:A:THR:HG22	1:46:B:GLU:HB2	18	1.38
(1,4686)	1:20:B:VAL:HG11	1:23:B:LYS:HB2	17	1.38
(1,4685)	1:20:A:VAL:HG11	1:23:A:LYS:HB2	17	1.38
(1,4632)	1:61:B:ASP:H	1:60:B:LEU:HD22	20	1.38
(1,4631)	1:61:A:ASP:H	1:60:A:LEU:HD22	20	1.38
(1,4438)	1:25:B:ALA:HB1	1:24:B:TYR:HB3	12	1.38
(1,4437)	1:25:A:ALA:HB1	1:24:A:TYR:HB3	12	1.38
(1,4397)	1:13:A:CYS:HB2	1:17:B:LEU:HD12	11	1.38
(1,4370)	1:75:B:LEU:HB2	1:67:B:LEU:HD11	8	1.38
(1,4370)	1:75:B:LEU:HB2	1:67:B:LEU:HD13	17	1.38
(1,4369)	1:75:A:LEU:HB2	1:67:A:LEU:HD11	8	1.38
(1,4369)	1:75:A:LEU:HB2	1:67:A:LEU:HD13	13	1.38
(1,4369)	1:75:A:LEU:HB2	1:67:A:LEU:HD13	17	1.38
(1,4327)	1:15:A:GLU:HG3	1:88:B:ALA:HB3	9	1.38
(1,4312)	1:68:B:ASP:HB2	1:64:B:MET:HB2	1	1.38
(1,4311)	1:68:A:ASP:HB2	1:64:A:MET:HB2	1	1.38
(1,4294)	1:7:B:PRO:HB3	1:11:B:GLU:HG2	17	1.38
(1,4243)	1:91:A:CYS:HA	1:18:B:ILE:HB	16	1.38
(1,4194)	1:81:B:LEU:HD22	1:85:A:GLY:H	9	1.38
(1,4194)	1:85:B:GLY:H	1:81:B:LEU:HD21	19	1.38
(1,4193)	1:85:A:GLY:H	1:81:A:LEU:HD21	19	1.38
(1,4167)	1:20:A:VAL:HB	1:34:A:LEU:HD21	3	1.38
(1,4135)	1:20:A:VAL:HB	1:34:A:LEU:HD21	3	1.38
(1,4096)	1:17:B:LEU:HD12	1:89:A:MET:HG3	3	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4023)	1:83:A:LEU:HB3	1:82:A:ASN:HB2	3	1.38
(1,3926)	1:15:B:GLU:HB3	1:91:A:CYS:HB3	20	1.38
(1,3925)	1:15:A:GLU:HB3	1:91:B:CYS:HB3	20	1.38
(1,3816)	1:42:B:PHE:HA	1:8:A:THR:HG22	1	1.38
(1,3816)	1:42:B:PHE:HA	1:8:A:THR:HG22	2	1.38
(1,3815)	1:42:A:PHE:HA	1:8:B:THR:HG22	2	1.38
(1,3696)	1:12:B:ARG:HD2	1:17:A:LEU:HD23	19	1.38
(1,3662)	1:10:B:THR:HA	1:81:A:LEU:HD22	17	1.38
(1,3488)	1:10:B:THR:HB	1:81:A:LEU:HD21	19	1.38
(1,3396)	1:81:B:LEU:HD13	1:17:A:LEU:HD11	19	1.38
(1,3363)	1:81:A:LEU:HD23	1:81:B:LEU:HA	7	1.38
(1,3356)	1:14:B:ILE:HG22	1:17:A:LEU:HD13	12	1.38
(1,3355)	1:14:A:ILE:HG22	1:17:B:LEU:HD13	12	1.38
(1,994)	1:21:B:PHE:HB2	1:22:B:GLN:HA	20	1.38
(1,993)	1:21:A:PHE:HB2	1:22:A:GLN:HA	20	1.38
(1,566)	1:25:B:ALA:HB2	1:33:B:THR:HG21	2	1.38
(1,412)	1:62:B:ARG:HD2	1:59:B:VAL:HG12	8	1.38
(1,411)	1:62:A:ARG:HD2	1:59:A:VAL:HG12	8	1.38
(1,89)	1:15:A:GLU:HB2	1:9:B:GLU:HG2	14	1.38
(1,89)	1:15:A:GLU:HB2	1:9:B:GLU:HG3	17	1.38
(1,87)	1:15:A:GLU:HB2	1:9:B:GLU:HG2	14	1.38
(1,87)	1:15:A:GLU:HB2	1:9:B:GLU:HG3	17	1.38
(1,56)	1:17:B:LEU:HD12	1:13:A:CYS:HB2	15	1.38
(1,55)	1:17:A:LEU:HD12	1:13:B:CYS:HB2	15	1.38
(1,5461)	1:45:A:THR:H	1:51:A:THR:HG22	14	1.37
(1,4734)	1:8:B:THR:HG22	1:46:A:GLU:HB2	18	1.37
(1,4688)	1:61:B:ASP:H	1:60:B:LEU:HD22	15	1.37
(1,4687)	1:61:A:ASP:H	1:60:A:LEU:HD22	15	1.37
(1,4438)	1:25:B:ALA:HB3	1:24:B:TYR:HB3	17	1.37
(1,4437)	1:25:A:ALA:HB3	1:24:A:TYR:HB3	17	1.37
(1,4398)	1:13:B:CYS:HB2	1:17:A:LEU:HD12	11	1.37
(1,4370)	1:75:B:LEU:HB2	1:67:B:LEU:HD13	13	1.37
(1,4328)	1:15:B:GLU:HG3	1:88:A:ALA:HB3	7	1.37
(1,4193)	1:81:A:LEU:HD22	1:85:B:GLY:H	9	1.37
(1,4168)	1:20:B:VAL:HB	1:34:B:LEU:HD21	3	1.37
(1,4136)	1:20:B:VAL:HB	1:34:B:LEU:HD21	3	1.37
(1,4096)	1:17:B:LEU:HD12	1:89:A:MET:HG3	14	1.37
(1,4095)	1:17:A:LEU:HD12	1:89:B:MET:HG3	14	1.37
(1,4036)	1:94:B:SER:HB3	1:14:A:ILE:HG23	6	1.37
(1,4035)	1:94:A:SER:HB3	1:14:B:ILE:HG23	6	1.37
(1,4024)	1:83:B:LEU:HB3	1:82:B:ASN:HB2	3	1.37
(1,3733)	1:90:A:ALA:HA	1:87:A:LEU:HD23	8	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3662)	1:10:B:THR:HA	1:81:A:LEU:HD22	7	1.37
(1,3662)	1:10:B:THR:HA	1:81:A:LEU:HD23	10	1.37
(1,3661)	1:10:A:THR:HA	1:81:B:LEU:HD22	11	1.37
(1,3661)	1:10:A:THR:HA	1:81:B:LEU:HD21	18	1.37
(1,3600)	1:37:B:THR:HG21	1:40:B:LEU:HA	5	1.37
(1,3599)	1:37:A:THR:HG21	1:40:A:LEU:HA	5	1.37
(1,3514)	1:40:B:LEU:HB2	1:39:B:PHE:HB3	16	1.37
(1,3513)	1:40:A:LEU:HB2	1:39:A:PHE:HB3	16	1.37
(1,3393)	1:81:A:LEU:HD13	1:87:B:LEU:HD11	13	1.37
(1,3385)	1:83:A:LEU:HD22	1:11:B:GLU:HG2	17	1.37
(1,3364)	1:81:B:LEU:HD22	1:81:A:LEU:HA	14	1.37
(1,3363)	1:81:A:LEU:HD22	1:81:B:LEU:HA	14	1.37
(1,3356)	1:14:B:ILE:HG21	1:17:A:LEU:HD12	11	1.37
(1,3356)	1:14:B:ILE:HG23	1:17:A:LEU:HD11	18	1.37
(1,3355)	1:14:A:ILE:HG21	1:17:B:LEU:HD12	11	1.37
(1,3355)	1:14:A:ILE:HG23	1:17:B:LEU:HD11	18	1.37
(1,994)	1:21:B:PHE:HB2	1:22:B:GLN:HA	18	1.37
(1,993)	1:21:A:PHE:HB2	1:22:A:GLN:HA	18	1.37
(1,884)	1:34:B:LEU:HB3	1:80:B:PHE:HB2	10	1.37
(1,883)	1:34:A:LEU:HB3	1:80:A:PHE:HB2	10	1.37
(1,715)	1:76:A:ASP:HA	1:77:A:PHE:HB2	2	1.37
(1,566)	1:25:B:ALA:HB2	1:33:B:THR:HG21	19	1.37
(1,565)	1:25:A:ALA:HB3	1:33:A:THR:HG22	10	1.37
(1,565)	1:25:A:ALA:HB2	1:33:A:THR:HG21	19	1.37
(1,90)	1:15:B:GLU:HB2	1:9:A:GLU:HG2	3	1.37
(1,90)	1:15:B:GLU:HB2	1:9:A:GLU:HG2	14	1.37
(1,88)	1:15:B:GLU:HB2	1:9:A:GLU:HG2	3	1.37
(1,88)	1:15:B:GLU:HB2	1:9:A:GLU:HG2	14	1.37
(2,146)	1:15:B:GLU:HG2	1:11:B:GLU:HG2	8	1.36
(2,145)	1:15:A:GLU:HG2	1:11:A:GLU:HG2	8	1.36
(2,60)	1:42:B:PHE:HB3	1:24:B:TYR:H	1	1.36
(2,60)	1:42:B:PHE:HB3	1:24:B:TYR:H	3	1.36
(2,59)	1:42:A:PHE:HB3	1:24:A:TYR:H	1	1.36
(2,59)	1:42:A:PHE:HB3	1:24:A:TYR:H	3	1.36
(1,5462)	1:45:B:THR:H	1:51:B:THR:HG22	14	1.36
(1,5292)	1:94:B:SER:H	1:96:B:LEU:HB3	8	1.36
(1,4940)	1:83:B:LEU:HD13	1:82:B:ASN:H	12	1.36
(1,4939)	1:83:A:LEU:HD13	1:82:A:ASN:H	12	1.36
(1,4840)	1:68:B:ASP:HB2	1:72:B:ASP:HB2	6	1.36
(1,4825)	1:89:A:MET:HB2	1:90:A:ALA:HB1	11	1.36
(1,4632)	1:61:B:ASP:H	1:60:B:LEU:HD23	11	1.36
(1,4631)	1:61:A:ASP:H	1:60:A:LEU:HD23	11	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4370)	1:75:B:LEU:HB2	1:67:B:LEU:HD11	4	1.36
(1,4370)	1:75:B:LEU:HB2	1:67:B:LEU:HD13	7	1.36
(1,4370)	1:75:B:LEU:HB2	1:67:B:LEU:HD12	18	1.36
(1,4369)	1:75:A:LEU:HB2	1:67:A:LEU:HD11	4	1.36
(1,4369)	1:75:A:LEU:HB2	1:67:A:LEU:HD13	7	1.36
(1,4369)	1:75:A:LEU:HB2	1:67:A:LEU:HD12	18	1.36
(1,4328)	1:15:B:GLU:HG3	1:88:A:ALA:HB3	9	1.36
(1,4311)	1:68:A:ASP:HB2	1:64:A:MET:HB2	19	1.36
(1,4243)	1:91:A:CYS:HA	1:97:A:LYS:HB2	11	1.36
(1,4243)	1:91:A:CYS:HA	1:97:A:LYS:HD3	12	1.36
(1,4168)	1:20:B:VAL:HB	1:34:B:LEU:HD22	2	1.36
(1,4168)	1:20:B:VAL:HB	1:34:B:LEU:HD22	17	1.36
(1,4167)	1:20:A:VAL:HB	1:34:A:LEU:HD22	2	1.36
(1,4136)	1:20:B:VAL:HB	1:34:B:LEU:HD22	2	1.36
(1,4136)	1:20:B:VAL:HB	1:34:B:LEU:HD22	17	1.36
(1,4135)	1:20:A:VAL:HB	1:34:A:LEU:HD22	2	1.36
(1,4057)	1:18:A:ILE:HG21	1:91:B:CYS:HB3	7	1.36
(1,4022)	1:49:B:ALA:HB2	1:91:B:CYS:HB2	10	1.36
(1,4021)	1:49:A:ALA:HB2	1:91:A:CYS:HB2	10	1.36
(1,4012)	1:81:B:LEU:HD22	1:89:A:MET:HG3	19	1.36
(1,4011)	1:81:A:LEU:HD21	1:89:B:MET:HG3	8	1.36
(1,3734)	1:90:B:ALA:HA	1:87:B:LEU:HD23	8	1.36
(1,3695)	1:12:A:ARG:HD2	1:17:B:LEU:HD23	2	1.36
(1,3662)	1:10:B:THR:HA	1:81:A:LEU:HD22	11	1.36
(1,3662)	1:10:B:THR:HA	1:81:A:LEU:HD21	18	1.36
(1,3661)	1:10:A:THR:HA	1:81:B:LEU:HD23	10	1.36
(1,3614)	1:52:B:LYS:HG3	1:59:B:VAL:HG11	4	1.36
(1,3613)	1:52:A:LYS:HG3	1:59:A:VAL:HG11	4	1.36
(1,3600)	1:37:B:THR:HG23	1:40:B:LEU:HA	13	1.36
(1,3599)	1:37:A:THR:HG23	1:40:A:LEU:HA	13	1.36
(1,3568)	1:17:B:LEU:HG	1:21:B:PHE:HB3	13	1.36
(1,3567)	1:17:A:LEU:HG	1:21:A:PHE:HB3	13	1.36
(1,3488)	1:10:B:THR:HB	1:81:A:LEU:HD21	20	1.36
(1,3487)	1:10:A:THR:HB	1:81:B:LEU:HD21	20	1.36
(1,3396)	1:81:B:LEU:HD12	1:17:A:LEU:HD11	2	1.36
(1,3394)	1:81:B:LEU:HD13	1:87:A:LEU:HD11	13	1.36
(1,3347)	1:14:A:ILE:HD12	1:47:B:LEU:HB2	17	1.36
(1,1030)	1:38:B:GLU:HB3	1:24:B:TYR:HB2	13	1.36
(1,1029)	1:38:A:GLU:HB3	1:24:A:TYR:HB2	13	1.36
(1,716)	1:76:B:ASP:HA	1:77:B:PHE:HB2	2	1.36
(1,716)	1:76:B:ASP:HA	1:77:B:PHE:HB2	4	1.36
(1,715)	1:76:A:ASP:HA	1:77:A:PHE:HB2	4	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,566)	1:25:B:ALA:HB3	1:33:B:THR:HG22	10	1.36
(2,146)	1:15:B:GLU:HG2	1:11:B:GLU:HG2	13	1.35
(2,146)	1:15:B:GLU:HG2	1:11:B:GLU:HG2	14	1.35
(2,145)	1:15:A:GLU:HG2	1:11:A:GLU:HG2	13	1.35
(2,145)	1:15:A:GLU:HG2	1:11:A:GLU:HG2	14	1.35
(1,5536)	1:23:B:LYS:H	1:22:B:GLN:HG3	9	1.35
(1,5535)	1:23:A:LYS:H	1:22:A:GLN:HG3	9	1.35
(1,5291)	1:94:A:SER:H	1:96:A:LEU:HB3	8	1.35
(1,5196)	1:73:B:GLY:H	1:69:B:THR:HG21	3	1.35
(1,5196)	1:73:B:GLY:H	1:69:B:THR:HG22	16	1.35
(1,5195)	1:73:A:GLY:H	1:69:A:THR:HG21	3	1.35
(1,5195)	1:73:A:GLY:H	1:69:A:THR:HG22	16	1.35
(1,5195)	1:73:A:GLY:H	1:69:A:THR:HG21	17	1.35
(1,4845)	1:66:A:LYS:HE2	1:62:A:ARG:HD3	14	1.35
(1,4826)	1:89:B:MET:HB2	1:90:B:ALA:HB1	11	1.35
(1,4826)	1:89:B:MET:HB2	1:90:B:ALA:HB2	18	1.35
(1,4825)	1:89:A:MET:HB2	1:90:A:ALA:HB2	18	1.35
(1,4629)	1:66:A:LYS:HE2	1:62:A:ARG:HD3	14	1.35
(1,4504)	1:82:B:ASN:H	1:81:B:LEU:HD12	20	1.35
(1,4503)	1:82:A:ASN:H	1:81:A:LEU:HD12	20	1.35
(1,4438)	1:25:B:ALA:HB2	1:24:B:TYR:HB3	18	1.35
(1,4437)	1:25:A:ALA:HB2	1:24:A:TYR:HB3	18	1.35
(1,4370)	1:75:B:LEU:HB2	1:67:B:LEU:HD12	12	1.35
(1,4369)	1:75:A:LEU:HB2	1:67:A:LEU:HD12	12	1.35
(1,4369)	1:75:A:LEU:HB2	1:67:A:LEU:HD11	19	1.35
(1,4354)	1:12:B:ARG:HB2	1:17:B:LEU:H	1	1.35
(1,4353)	1:12:A:ARG:HB2	1:17:A:LEU:H	1	1.35
(1,4327)	1:15:A:GLU:HG3	1:88:B:ALA:HB3	7	1.35
(1,4312)	1:68:B:ASP:HB2	1:64:B:MET:HB2	19	1.35
(1,4244)	1:91:B:CYS:HA	1:97:B:LYS:HB2	11	1.35
(1,4244)	1:91:B:CYS:HA	1:97:B:LYS:HD3	12	1.35
(1,4167)	1:20:A:VAL:HB	1:34:A:LEU:HD22	17	1.35
(1,4135)	1:20:A:VAL:HB	1:34:A:LEU:HD22	17	1.35
(1,4095)	1:17:A:LEU:HD12	1:89:B:MET:HG3	3	1.35
(1,3954)	1:68:B:ASP:HB3	1:66:B:LYS:HG2	8	1.35
(1,3925)	1:15:A:GLU:HB3	1:91:B:CYS:HB3	3	1.35
(1,3925)	1:15:A:GLU:HB3	1:91:B:CYS:HB3	19	1.35
(1,3815)	1:42:A:PHE:HA	1:8:B:THR:HG23	4	1.35
(1,3777)	1:57:A:PRO:HA	1:61:A:ASP:HB3	6	1.35
(1,3696)	1:12:B:ARG:HD2	1:17:A:LEU:HD23	2	1.35
(1,3661)	1:10:A:THR:HA	1:81:B:LEU:HD21	2	1.35
(1,3395)	1:81:A:LEU:HD12	1:17:B:LEU:HD11	2	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3385)	1:17:A:LEU:HD21	1:11:B:GLU:HG2	12	1.35
(1,3355)	1:14:A:ILE:HG23	1:17:B:LEU:HD11	17	1.35
(1,3348)	1:14:B:ILE:HD13	1:47:A:LEU:HB2	8	1.35
(1,3348)	1:14:B:ILE:HD12	1:47:A:LEU:HB2	17	1.35
(1,3348)	1:14:B:ILE:HD12	1:47:A:LEU:HB2	19	1.35
(1,3347)	1:14:A:ILE:HD13	1:47:B:LEU:HB2	8	1.35
(1,3347)	1:14:A:ILE:HD12	1:47:B:LEU:HB2	19	1.35
(1,89)	1:15:A:GLU:HB2	1:9:B:GLU:HG3	16	1.35
(1,87)	1:15:A:GLU:HB2	1:9:B:GLU:HG3	16	1.35
(1,56)	1:17:B:LEU:HD11	1:13:A:CYS:HB2	17	1.35
(1,5216)	1:34:B:LEU:H	1:21:B:PHE:HB3	9	1.34
(1,5215)	1:34:A:LEU:H	1:21:A:PHE:HB3	9	1.34
(1,5214)	1:77:B:PHE:H	1:81:B:LEU:HB2	10	1.34
(1,5214)	1:77:B:PHE:H	1:81:B:LEU:HB2	20	1.34
(1,5213)	1:77:A:PHE:H	1:81:A:LEU:HB2	20	1.34
(1,5196)	1:73:B:GLY:H	1:69:B:THR:HG21	17	1.34
(1,4840)	1:68:B:ASP:HB2	1:72:B:ASP:HB2	17	1.34
(1,4840)	1:68:B:ASP:HB2	1:39:B:PHE:HB3	18	1.34
(1,4839)	1:68:A:ASP:HB2	1:72:A:ASP:HB2	6	1.34
(1,4839)	1:68:A:ASP:HB2	1:39:A:PHE:HB3	18	1.34
(1,4826)	1:89:B:MET:HB2	1:90:B:ALA:HB1	19	1.34
(1,4825)	1:89:A:MET:HB2	1:90:A:ALA:HB1	19	1.34
(1,4758)	1:60:B:LEU:HD11	1:47:B:LEU:H	6	1.34
(1,4757)	1:60:A:LEU:HD11	1:47:A:LEU:H	6	1.34
(1,4688)	1:61:B:ASP:H	1:60:B:LEU:HD22	1	1.34
(1,4688)	1:61:B:ASP:H	1:60:B:LEU:HD22	3	1.34
(1,4687)	1:61:A:ASP:H	1:60:A:LEU:HD22	1	1.34
(1,4370)	1:75:B:LEU:HB2	1:67:B:LEU:HD11	19	1.34
(1,4328)	1:15:B:GLU:HG3	1:88:A:ALA:HB1	18	1.34
(1,4327)	1:15:A:GLU:HG3	1:19:A:ALA:HB2	18	1.34
(1,4244)	1:91:B:CYS:HA	1:97:B:LYS:HB2	20	1.34
(1,4243)	1:91:A:CYS:HA	1:97:A:LYS:HB2	20	1.34
(1,4167)	1:20:A:VAL:HB	1:34:A:LEU:HD22	19	1.34
(1,4135)	1:20:A:VAL:HB	1:34:A:LEU:HD22	19	1.34
(1,4036)	1:94:B:SER:HB3	1:99:B:VAL:HG12	19	1.34
(1,4035)	1:94:A:SER:HB3	1:99:A:VAL:HG12	19	1.34
(1,4012)	1:81:B:LEU:HD21	1:89:A:MET:HG3	8	1.34
(1,4010)	1:59:B:VAL:HG22	1:87:B:LEU:HD21	4	1.34
(1,4009)	1:59:A:VAL:HG22	1:87:A:LEU:HD21	4	1.34
(1,3966)	1:9:B:GLU:HB3	1:12:B:ARG:HD2	4	1.34
(1,3965)	1:9:A:GLU:HB3	1:12:A:ARG:HD2	4	1.34
(1,3953)	1:68:A:ASP:HB3	1:66:A:LYS:HG2	8	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3778)	1:57:B:PRO:HA	1:61:B:ASP:HB3	6	1.34
(1,3695)	1:12:A:ARG:HD2	1:17:B:LEU:HD23	19	1.34
(1,3662)	1:10:B:THR:HA	1:81:A:LEU:HD21	2	1.34
(1,3661)	1:10:A:THR:HA	1:81:B:LEU:HD22	7	1.34
(1,3618)	1:37:B:THR:HB	1:34:B:LEU:HD23	13	1.34
(1,3568)	1:17:B:LEU:HG	1:21:B:PHE:HB3	5	1.34
(1,3568)	1:17:B:LEU:HG	1:21:B:PHE:HB3	12	1.34
(1,3567)	1:17:A:LEU:HG	1:21:A:PHE:HB3	5	1.34
(1,3487)	1:10:A:THR:HB	1:81:B:LEU:HD21	19	1.34
(1,3394)	1:81:B:LEU:HD11	1:87:A:LEU:HD11	12	1.34
(1,3386)	1:17:B:LEU:HD21	1:11:A:GLU:HG2	12	1.34
(1,3356)	1:14:B:ILE:HG23	1:17:A:LEU:HD11	17	1.34
(1,994)	1:21:B:PHE:HB2	1:22:B:GLN:HA	19	1.34
(1,993)	1:21:A:PHE:HB2	1:22:A:GLN:HA	19	1.34
(1,90)	1:15:B:GLU:HB2	1:9:A:GLU:HG3	16	1.34
(1,88)	1:15:B:GLU:HB2	1:9:A:GLU:HG3	16	1.34
(2,145)	1:15:A:GLU:HG2	1:11:A:GLU:HG2	17	1.33
(2,60)	1:42:B:PHE:HB3	1:24:B:TYR:H	6	1.33
(2,60)	1:42:B:PHE:HB3	1:24:B:TYR:H	10	1.33
(2,59)	1:42:A:PHE:HB3	1:24:A:TYR:H	6	1.33
(2,59)	1:42:A:PHE:HB3	1:24:A:TYR:H	10	1.33
(1,5462)	1:45:B:THR:H	1:51:B:THR:HG21	3	1.33
(1,5461)	1:45:A:THR:H	1:51:A:THR:HG21	3	1.33
(1,5292)	1:94:B:SER:H	1:96:B:LEU:HB3	18	1.33
(1,5291)	1:94:A:SER:H	1:96:A:LEU:HB3	18	1.33
(1,5213)	1:77:A:PHE:H	1:81:A:LEU:HB2	10	1.33
(1,5195)	1:73:A:GLY:H	1:69:A:THR:HG21	4	1.33
(1,4940)	1:83:B:LEU:HD11	1:82:B:ASN:H	1	1.33
(1,4940)	1:83:B:LEU:HD12	1:82:B:ASN:H	3	1.33
(1,4940)	1:83:B:LEU:HD11	1:82:B:ASN:H	11	1.33
(1,4939)	1:83:A:LEU:HD11	1:82:A:ASN:H	1	1.33
(1,4939)	1:83:A:LEU:HD12	1:82:A:ASN:H	3	1.33
(1,4939)	1:83:A:LEU:HD11	1:82:A:ASN:H	11	1.33
(1,4846)	1:66:B:LYS:HE2	1:62:B:ARG:HD3	14	1.33
(1,4839)	1:68:A:ASP:HB2	1:72:A:ASP:HB2	17	1.33
(1,4734)	1:20:B:VAL:HG22	1:46:B:GLU:HB2	17	1.33
(1,4733)	1:20:A:VAL:HG22	1:46:A:GLU:HB2	17	1.33
(1,4687)	1:61:A:ASP:H	1:60:A:LEU:HD22	3	1.33
(1,4630)	1:66:B:LYS:HE2	1:62:B:ARG:HD3	14	1.33
(1,4370)	1:75:B:LEU:HB2	1:67:B:LEU:HD12	1	1.33
(1,4370)	1:75:B:LEU:HB2	1:67:B:LEU:HD13	6	1.33
(1,4369)	1:75:A:LEU:HB2	1:67:A:LEU:HD12	1	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4369)	1:75:A:LEU:HB2	1:67:A:LEU:HD13	6	1.33
(1,4312)	1:68:B:ASP:HB2	1:64:B:MET:HB2	12	1.33
(1,4312)	1:68:B:ASP:HB2	1:64:B:MET:HB2	17	1.33
(1,4311)	1:68:A:ASP:HB2	1:64:A:MET:HB2	12	1.33
(1,4311)	1:68:A:ASP:HB2	1:64:A:MET:HB2	17	1.33
(1,4230)	1:91:B:CYS:HB2	1:14:A:ILE:HB	5	1.33
(1,4229)	1:91:A:CYS:HB2	1:14:B:ILE:HB	5	1.33
(1,4194)	1:81:B:LEU:HD23	1:85:A:GLY:H	5	1.33
(1,4168)	1:20:B:VAL:HB	1:34:B:LEU:HD22	19	1.33
(1,4136)	1:20:B:VAL:HB	1:34:B:LEU:HD22	19	1.33
(1,4036)	1:94:B:SER:HB3	1:99:B:VAL:HG12	13	1.33
(1,4022)	1:49:B:ALA:HB3	1:91:B:CYS:HB2	5	1.33
(1,4021)	1:49:A:ALA:HB3	1:91:A:CYS:HB2	5	1.33
(1,4011)	1:81:A:LEU:HD22	1:89:B:MET:HG3	19	1.33
(1,4010)	1:59:B:VAL:HG21	1:87:B:LEU:HD23	19	1.33
(1,3946)	1:42:B:PHE:HA	1:46:B:GLU:HB2	13	1.33
(1,3945)	1:42:A:PHE:HA	1:46:A:GLU:HB2	13	1.33
(1,3926)	1:15:B:GLU:HB3	1:91:A:CYS:HB3	2	1.33
(1,3925)	1:15:A:GLU:HB3	1:91:B:CYS:HB3	2	1.33
(1,3778)	1:57:B:PRO:HA	1:61:B:ASP:HB3	11	1.33
(1,3778)	1:57:B:PRO:HA	1:61:B:ASP:HB3	20	1.33
(1,3777)	1:57:A:PRO:HA	1:61:A:ASP:HB3	20	1.33
(1,3695)	1:12:A:ARG:HD2	1:17:B:LEU:HD22	11	1.33
(1,3617)	1:37:A:THR:HB	1:34:A:LEU:HD23	13	1.33
(1,3600)	1:37:B:THR:HG23	1:40:B:LEU:HA	18	1.33
(1,3599)	1:37:A:THR:HG23	1:40:A:LEU:HA	18	1.33
(1,3567)	1:17:A:LEU:HG	1:21:A:PHE:HB3	12	1.33
(1,3406)	1:9:B:GLU:HB3	1:17:A:LEU:HG	13	1.33
(1,3405)	1:9:A:GLU:HB3	1:17:B:LEU:HG	13	1.33
(1,3393)	1:81:A:LEU:HD11	1:87:B:LEU:HD11	12	1.33
(1,3386)	1:83:B:LEU:HD22	1:11:A:GLU:HG2	2	1.33
(1,2138)	1:47:B:LEU:HB2	1:50:B:PHE:HB3	10	1.33
(1,2138)	1:47:B:LEU:HB2	1:50:B:PHE:HB3	17	1.33
(1,2137)	1:47:A:LEU:HB2	1:50:A:PHE:HB3	10	1.33
(1,2137)	1:47:A:LEU:HB2	1:50:A:PHE:HB3	17	1.33
(2,146)	1:15:B:GLU:HG2	1:11:B:GLU:HG2	3	1.32
(2,146)	1:15:B:GLU:HG2	1:11:B:GLU:HG2	17	1.32
(2,145)	1:15:A:GLU:HG2	1:11:A:GLU:HG2	3	1.32
(2,145)	1:15:A:GLU:HG2	1:11:A:GLU:HG2	20	1.32
(1,5462)	1:45:B:THR:H	1:51:B:THR:HG22	12	1.32
(1,5292)	1:94:B:SER:H	1:98:B:ALA:HB3	19	1.32
(1,5291)	1:94:A:SER:H	1:98:A:ALA:HB3	19	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5196)	1:73:B:GLY:H	1:69:B:THR:HG21	4	1.32
(1,5196)	1:73:B:GLY:H	1:69:B:THR:HG23	7	1.32
(1,5195)	1:73:A:GLY:H	1:69:A:THR:HG23	7	1.32
(1,4846)	1:66:B:LYS:HE2	1:62:B:ARG:HD3	2	1.32
(1,4845)	1:66:A:LYS:HE2	1:62:A:ARG:HD3	2	1.32
(1,4840)	1:68:B:ASP:HB2	1:72:B:ASP:HB2	3	1.32
(1,4839)	1:68:A:ASP:HB2	1:72:A:ASP:HB2	3	1.32
(1,4826)	1:89:B:MET:HB2	1:90:B:ALA:HB1	3	1.32
(1,4825)	1:89:A:MET:HB2	1:90:A:ALA:HB1	3	1.32
(1,4688)	1:61:B:ASP:H	1:60:B:LEU:HD23	2	1.32
(1,4687)	1:61:A:ASP:H	1:60:A:LEU:HD21	4	1.32
(1,4632)	1:61:B:ASP:H	1:60:B:LEU:HD22	9	1.32
(1,4632)	1:61:B:ASP:H	1:60:B:LEU:HD21	10	1.32
(1,4631)	1:61:A:ASP:H	1:60:A:LEU:HD22	9	1.32
(1,4631)	1:61:A:ASP:H	1:60:A:LEU:HD21	10	1.32
(1,4370)	1:75:B:LEU:HB2	1:67:B:LEU:HD12	9	1.32
(1,4369)	1:75:A:LEU:HB2	1:67:A:LEU:HD12	9	1.32
(1,4194)	1:81:B:LEU:HD22	1:85:A:GLY:H	15	1.32
(1,4193)	1:81:A:LEU:HD23	1:85:B:GLY:H	5	1.32
(1,4193)	1:81:A:LEU:HD22	1:85:B:GLY:H	15	1.32
(1,4012)	1:81:B:LEU:HD21	1:21:B:PHE:HB3	12	1.32
(1,4010)	1:59:B:VAL:HG23	1:87:B:LEU:HD22	2	1.32
(1,4010)	1:59:B:VAL:HG21	1:87:B:LEU:HD21	17	1.32
(1,4009)	1:59:A:VAL:HG23	1:87:A:LEU:HD22	2	1.32
(1,4009)	1:59:A:VAL:HG21	1:87:A:LEU:HD23	19	1.32
(1,3733)	1:90:A:ALA:HA	1:87:A:LEU:HD22	4	1.32
(1,3696)	1:12:B:ARG:HD2	1:17:A:LEU:HD22	11	1.32
(1,3674)	1:75:B:LEU:HB3	1:63:B:MET:HB2	15	1.32
(1,3673)	1:75:A:LEU:HB3	1:63:A:MET:HB2	15	1.32
(1,3661)	1:10:A:THR:HA	1:81:B:LEU:HD21	4	1.32
(1,3600)	1:37:B:THR:HG22	1:40:B:LEU:HA	8	1.32
(1,3600)	1:37:B:THR:HG21	1:40:B:LEU:HA	9	1.32
(1,3599)	1:37:A:THR:HG21	1:40:A:LEU:HA	9	1.32
(1,3599)	1:37:A:THR:HG21	1:40:A:LEU:HA	17	1.32
(1,3568)	1:17:B:LEU:HG	1:21:B:PHE:HB3	4	1.32
(1,3568)	1:17:B:LEU:HG	1:21:B:PHE:HB3	18	1.32
(1,3567)	1:17:A:LEU:HG	1:21:A:PHE:HB3	4	1.32
(1,3487)	1:10:A:THR:HB	1:81:B:LEU:HD21	15	1.32
(1,3394)	1:81:B:LEU:HD11	1:87:A:LEU:HD13	16	1.32
(1,3385)	1:83:A:LEU:HD22	1:11:B:GLU:HG2	2	1.32
(1,3356)	1:14:B:ILE:HG23	1:17:A:LEU:HD12	13	1.32
(1,3355)	1:14:A:ILE:HG23	1:17:B:LEU:HD12	13	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2138)	1:47:B:LEU:HB2	1:50:B:PHE:HB3	2	1.32
(1,716)	1:76:B:ASP:HA	1:77:B:PHE:HB2	5	1.32
(1,716)	1:76:B:ASP:HA	1:77:B:PHE:HB2	13	1.32
(1,715)	1:76:A:ASP:HA	1:77:A:PHE:HB2	5	1.32
(1,715)	1:76:A:ASP:HA	1:77:A:PHE:HB2	13	1.32
(1,89)	1:15:A:GLU:HB2	1:9:B:GLU:HG2	5	1.32
(1,87)	1:15:A:GLU:HB2	1:9:B:GLU:HG2	5	1.32
(2,147)	1:89:A:MET:HG2	1:93:A:ASP:HB3	7	1.31
(2,146)	1:15:B:GLU:HG2	1:11:B:GLU:HG2	2	1.31
(2,146)	1:15:B:GLU:HG2	1:11:B:GLU:HG2	20	1.31
(2,145)	1:15:A:GLU:HG2	1:11:A:GLU:HG2	2	1.31
(2,143)	1:89:A:MET:HG2	1:93:A:ASP:HB3	7	1.31
(2,129)	1:89:A:MET:HG2	1:93:A:ASP:HB3	7	1.31
(2,60)	1:42:B:PHE:HB3	1:24:B:TYR:H	15	1.31
(2,59)	1:42:A:PHE:HB3	1:24:A:TYR:H	15	1.31
(1,5461)	1:45:A:THR:H	1:51:A:THR:HG22	12	1.31
(1,5461)	1:45:A:THR:H	1:51:A:THR:HG21	15	1.31
(1,4940)	1:83:B:LEU:HD11	1:82:B:ASN:H	7	1.31
(1,4939)	1:83:A:LEU:HD11	1:82:A:ASN:H	7	1.31
(1,4839)	1:68:A:ASP:HB2	1:72:A:ASP:HB2	1	1.31
(1,4688)	1:61:B:ASP:H	1:60:B:LEU:HD21	4	1.31
(1,4688)	1:61:B:ASP:H	1:60:B:LEU:HD21	5	1.31
(1,4687)	1:61:A:ASP:H	1:60:A:LEU:HD23	2	1.31
(1,4687)	1:61:A:ASP:H	1:60:A:LEU:HD21	5	1.31
(1,4632)	1:61:B:ASP:H	1:40:B:LEU:HD23	19	1.31
(1,4631)	1:61:A:ASP:H	1:40:A:LEU:HD23	19	1.31
(1,4436)	1:45:B:THR:HG22	1:42:B:PHE:HB3	10	1.31
(1,4435)	1:45:A:THR:HG22	1:42:A:PHE:HB3	10	1.31
(1,4244)	1:91:B:CYS:HA	1:97:B:LYS:HD3	4	1.31
(1,4243)	1:91:A:CYS:HA	1:97:A:LYS:HD3	4	1.31
(1,4194)	1:81:B:LEU:HD22	1:85:A:GLY:H	13	1.31
(1,4120)	1:46:B:GLU:HB3	1:87:B:LEU:HD12	15	1.31
(1,4096)	1:17:B:LEU:HD13	1:89:A:MET:HG3	6	1.31
(1,4095)	1:17:A:LEU:HD13	1:89:B:MET:HG3	6	1.31
(1,4035)	1:94:A:SER:HB3	1:99:A:VAL:HG12	13	1.31
(1,4035)	1:94:A:SER:HB3	1:99:A:VAL:HG13	17	1.31
(1,4022)	1:49:B:ALA:HB1	1:91:B:CYS:HB2	1	1.31
(1,4021)	1:49:A:ALA:HB1	1:91:A:CYS:HB2	1	1.31
(1,4011)	1:81:A:LEU:HD21	1:21:A:PHE:HB3	12	1.31
(1,4010)	1:59:B:VAL:HG23	1:87:B:LEU:HD21	14	1.31
(1,4009)	1:59:A:VAL:HG23	1:87:A:LEU:HD21	14	1.31
(1,4009)	1:59:A:VAL:HG21	1:87:A:LEU:HD21	17	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3966)	1:15:B:GLU:HB2	1:12:B:ARG:HD3	16	1.31
(1,3965)	1:15:A:GLU:HB2	1:12:A:ARG:HD3	16	1.31
(1,3815)	1:42:A:PHE:HA	1:8:B:THR:HG21	3	1.31
(1,3777)	1:57:A:PRO:HA	1:61:A:ASP:HB3	11	1.31
(1,3771)	1:96:A:LEU:HD21	1:93:A:ASP:HB2	14	1.31
(1,3734)	1:90:B:ALA:HA	1:87:B:LEU:HD22	4	1.31
(1,3704)	1:39:B:PHE:HB2	1:75:B:LEU:HB3	1	1.31
(1,3614)	1:52:B:LYS:HG2	1:59:B:VAL:HG13	16	1.31
(1,3600)	1:37:B:THR:HG21	1:40:B:LEU:HA	1	1.31
(1,3600)	1:37:B:THR:HG21	1:40:B:LEU:HA	17	1.31
(1,3599)	1:37:A:THR:HG21	1:40:A:LEU:HA	1	1.31
(1,3599)	1:37:A:THR:HG22	1:40:A:LEU:HA	8	1.31
(1,3567)	1:17:A:LEU:HG	1:21:A:PHE:HB3	18	1.31
(1,3488)	1:10:B:THR:HB	1:81:A:LEU:HD21	15	1.31
(1,3393)	1:81:A:LEU:HD11	1:87:B:LEU:HD13	16	1.31
(1,3356)	1:14:B:ILE:HG23	1:17:A:LEU:HD11	2	1.31
(1,3355)	1:14:A:ILE:HG23	1:17:B:LEU:HD11	2	1.31
(1,2137)	1:47:A:LEU:HB2	1:50:A:PHE:HB3	2	1.31
(1,994)	1:21:B:PHE:HB2	1:22:B:GLN:HA	9	1.31
(1,994)	1:21:B:PHE:HB2	1:22:B:GLN:HA	13	1.31
(1,993)	1:21:A:PHE:HB2	1:22:A:GLN:HA	9	1.31
(1,993)	1:21:A:PHE:HB2	1:22:A:GLN:HA	13	1.31
(1,636)	1:62:B:ARG:HG2	1:61:B:ASP:HB2	15	1.31
(1,635)	1:62:A:ARG:HG2	1:61:A:ASP:HB2	15	1.31
(1,182)	1:39:B:PHE:HB3	1:34:B:LEU:HA	6	1.31
(1,181)	1:39:A:PHE:HB3	1:34:A:LEU:HA	6	1.31
(1,90)	1:15:B:GLU:HB2	1:9:A:GLU:HG2	5	1.31
(1,88)	1:15:B:GLU:HB2	1:9:A:GLU:HG2	5	1.31
(1,56)	1:17:B:LEU:HD12	1:13:A:CYS:HB2	8	1.31
(1,55)	1:17:A:LEU:HD11	1:13:B:CYS:HB2	17	1.31
(2,148)	1:89:B:MET:HG2	1:93:B:ASP:HB3	7	1.3
(2,144)	1:89:B:MET:HG2	1:93:B:ASP:HB3	7	1.3
(2,130)	1:89:B:MET:HG2	1:93:B:ASP:HB3	7	1.3
(1,5462)	1:45:B:THR:H	1:51:B:THR:HG21	15	1.3
(1,5300)	1:26:B:GLY:H	1:23:B:LYS:HD2	19	1.3
(1,5298)	1:26:B:GLY:H	1:23:B:LYS:HD2	19	1.3
(1,5292)	1:94:B:SER:H	1:96:B:LEU:HB3	14	1.3
(1,5291)	1:94:A:SER:H	1:96:A:LEU:HB3	14	1.3
(1,5196)	1:73:B:GLY:H	1:69:B:THR:HG23	10	1.3
(1,5195)	1:73:A:GLY:H	1:69:A:THR:HG23	10	1.3
(1,5195)	1:73:A:GLY:H	1:69:A:THR:HG23	11	1.3
(1,4940)	1:83:B:LEU:HD11	1:82:B:ASN:H	20	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4939)	1:83:A:LEU:HD11	1:82:A:ASN:H	20	1.3
(1,4840)	1:68:B:ASP:HB2	1:72:B:ASP:HB2	1	1.3
(1,4840)	1:68:B:ASP:HB2	1:72:B:ASP:HB2	16	1.3
(1,4839)	1:68:A:ASP:HB2	1:72:A:ASP:HB2	16	1.3
(1,4826)	1:89:B:MET:HB2	1:90:B:ALA:HB1	15	1.3
(1,4826)	1:89:B:MET:HB2	1:90:B:ALA:HB3	20	1.3
(1,4825)	1:89:A:MET:HB2	1:90:A:ALA:HB3	20	1.3
(1,4696)	1:20:B:VAL:HG11	1:47:B:LEU:HD21	10	1.3
(1,4688)	1:61:B:ASP:H	1:60:B:LEU:HD23	16	1.3
(1,4687)	1:61:A:ASP:H	1:60:A:LEU:HD23	16	1.3
(1,4370)	1:75:B:LEU:HB2	1:67:B:LEU:HD12	14	1.3
(1,4370)	1:75:B:LEU:HB2	1:67:B:LEU:HD13	16	1.3
(1,4369)	1:75:A:LEU:HB2	1:67:A:LEU:HD12	14	1.3
(1,4369)	1:75:A:LEU:HB2	1:67:A:LEU:HD13	16	1.3
(1,4327)	1:15:A:GLU:HG3	1:19:A:ALA:HB2	13	1.3
(1,4327)	1:15:A:GLU:HG3	1:88:B:ALA:HB3	16	1.3
(1,4193)	1:81:A:LEU:HD22	1:85:B:GLY:H	13	1.3
(1,4168)	1:20:B:VAL:HB	1:34:B:LEU:HD23	1	1.3
(1,4167)	1:20:A:VAL:HB	1:34:A:LEU:HD23	1	1.3
(1,4136)	1:20:B:VAL:HB	1:34:B:LEU:HD23	1	1.3
(1,4135)	1:20:A:VAL:HB	1:34:A:LEU:HD23	1	1.3
(1,4119)	1:46:A:GLU:HB3	1:87:A:LEU:HD12	15	1.3
(1,4048)	1:52:B:LYS:HB2	1:53:B:ASN:HB3	16	1.3
(1,4047)	1:52:A:LYS:HB2	1:53:A:ASN:HB3	16	1.3
(1,4036)	1:94:B:SER:HB2	1:14:A:ILE:HG22	16	1.3
(1,4035)	1:94:A:SER:HB2	1:14:B:ILE:HG22	16	1.3
(1,3953)	1:68:A:ASP:HB3	1:75:A:LEU:HB3	1	1.3
(1,3772)	1:96:B:LEU:HD21	1:93:B:ASP:HB2	14	1.3
(1,3734)	1:90:B:ALA:HA	1:87:B:LEU:HD23	12	1.3
(1,3733)	1:90:A:ALA:HA	1:87:A:LEU:HD23	9	1.3
(1,3703)	1:39:A:PHE:HB2	1:75:A:LEU:HB3	1	1.3
(1,3662)	1:10:B:THR:HA	1:81:A:LEU:HD21	4	1.3
(1,3613)	1:52:A:LYS:HG2	1:59:A:VAL:HG13	16	1.3
(1,3568)	1:17:B:LEU:HG	1:15:B:GLU:HG2	10	1.3
(1,3567)	1:17:A:LEU:HG	1:15:A:GLU:HG2	10	1.3
(1,3488)	1:10:B:THR:HB	1:81:A:LEU:HD21	1	1.3
(1,3487)	1:10:A:THR:HB	1:81:B:LEU:HD21	1	1.3
(1,3424)	1:60:B:LEU:HB2	1:37:B:THR:HA	20	1.3
(1,3423)	1:60:A:LEU:HB2	1:37:A:THR:HA	20	1.3
(1,994)	1:21:B:PHE:HB2	1:22:B:GLN:HA	2	1.3
(1,994)	1:21:B:PHE:HB2	1:22:B:GLN:HA	7	1.3
(1,994)	1:21:B:PHE:HB2	1:22:B:GLN:HA	12	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,993)	1:21:A:PHE:HB2	1:22:A:GLN:HA	2	1.3
(1,993)	1:21:A:PHE:HB2	1:22:A:GLN:HA	7	1.3
(1,993)	1:21:A:PHE:HB2	1:22:A:GLN:HA	12	1.3
(1,716)	1:76:B:ASP:HA	1:77:B:PHE:HB2	19	1.3
(1,715)	1:76:A:ASP:HA	1:77:A:PHE:HB2	19	1.3
(2,60)	1:42:B:PHE:HB3	1:24:B:TYR:H	16	1.29
(2,59)	1:42:A:PHE:HB3	1:24:A:TYR:H	16	1.29
(1,5650)	1:18:B:ILE:H	1:17:B:LEU:HD13	6	1.29
(1,5649)	1:18:A:ILE:H	1:17:A:LEU:HD13	6	1.29
(1,5299)	1:26:A:GLY:H	1:23:A:LYS:HD2	19	1.29
(1,5297)	1:26:A:GLY:H	1:23:A:LYS:HD2	19	1.29
(1,5214)	1:77:B:PHE:H	1:81:B:LEU:HB2	14	1.29
(1,5213)	1:77:A:PHE:H	1:81:A:LEU:HB2	14	1.29
(1,5196)	1:73:B:GLY:H	1:69:B:THR:HG23	11	1.29
(1,4940)	1:83:B:LEU:HD12	1:82:B:ASN:H	9	1.29
(1,4940)	1:83:B:LEU:HD12	1:82:B:ASN:H	16	1.29
(1,4939)	1:83:A:LEU:HD12	1:82:A:ASN:H	16	1.29
(1,4825)	1:89:A:MET:HB2	1:90:A:ALA:HB1	15	1.29
(1,4758)	1:60:B:LEU:HD11	1:47:B:LEU:H	5	1.29
(1,4757)	1:60:A:LEU:HD11	1:47:A:LEU:H	5	1.29
(1,4695)	1:20:A:VAL:HG11	1:47:A:LEU:HD21	10	1.29
(1,4632)	1:61:B:ASP:H	1:60:B:LEU:HD21	7	1.29
(1,4632)	1:61:B:ASP:H	1:40:B:LEU:HD23	14	1.29
(1,4631)	1:61:A:ASP:H	1:60:A:LEU:HD21	7	1.29
(1,4631)	1:61:A:ASP:H	1:40:A:LEU:HD23	14	1.29
(1,4370)	1:75:B:LEU:HB2	1:67:B:LEU:HD13	3	1.29
(1,4369)	1:75:A:LEU:HB2	1:67:A:LEU:HD13	3	1.29
(1,4328)	1:15:B:GLU:HG3	1:19:B:ALA:HB2	13	1.29
(1,4229)	1:91:A:CYS:HB2	1:14:B:ILE:HB	19	1.29
(1,4194)	1:85:B:GLY:H	1:81:B:LEU:HD21	2	1.29
(1,4193)	1:85:A:GLY:H	1:81:A:LEU:HD21	2	1.29
(1,4036)	1:94:B:SER:HB3	1:99:B:VAL:HG13	17	1.29
(1,4011)	1:81:A:LEU:HD22	1:89:B:MET:HG3	4	1.29
(1,4009)	1:59:A:VAL:HG22	1:87:A:LEU:HD22	6	1.29
(1,3954)	1:68:B:ASP:HB3	1:75:B:LEU:HB3	1	1.29
(1,3734)	1:90:B:ALA:HA	1:87:B:LEU:HD23	9	1.29
(1,3733)	1:90:A:ALA:HA	1:87:A:LEU:HD23	12	1.29
(1,3600)	1:37:B:THR:HG23	1:40:B:LEU:HA	16	1.29
(1,828)	1:40:B:LEU:HA	1:39:B:PHE:HB2	4	1.29
(1,412)	1:62:B:ARG:HD2	1:59:B:VAL:HG13	9	1.29
(1,411)	1:62:A:ARG:HD2	1:59:A:VAL:HG13	9	1.29
(1,223)	1:34:A:LEU:HB2	1:39:A:PHE:HB3	6	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5273)	1:77:A:PHE:H	1:81:A:LEU:HD12	4	1.28
(1,5218)	1:9:B:GLU:H	1:47:A:LEU:HD22	19	1.28
(1,5214)	1:77:B:PHE:H	1:81:B:LEU:HB2	15	1.28
(1,5213)	1:77:A:PHE:H	1:81:A:LEU:HB2	15	1.28
(1,5196)	1:73:B:GLY:H	1:69:B:THR:HG22	6	1.28
(1,5195)	1:73:A:GLY:H	1:69:A:THR:HG22	6	1.28
(1,4940)	1:83:B:LEU:HD12	1:82:B:ASN:H	6	1.28
(1,4940)	1:83:B:LEU:HD12	1:82:B:ASN:H	15	1.28
(1,4940)	1:83:B:LEU:HD13	1:82:B:ASN:H	18	1.28
(1,4939)	1:83:A:LEU:HD12	1:82:A:ASN:H	6	1.28
(1,4939)	1:83:A:LEU:HD12	1:82:A:ASN:H	9	1.28
(1,4939)	1:83:A:LEU:HD12	1:82:A:ASN:H	15	1.28
(1,4939)	1:83:A:LEU:HD13	1:82:A:ASN:H	18	1.28
(1,4734)	1:8:B:THR:HG21	1:46:A:GLU:HB2	5	1.28
(1,4421)	1:42:A:PHE:HA	1:45:A:THR:HG21	3	1.28
(1,4328)	1:15:B:GLU:HG3	1:88:A:ALA:HB3	16	1.28
(1,4196)	1:52:B:LYS:HB2	1:53:B:ASN:HB3	14	1.28
(1,4195)	1:52:A:LYS:HB2	1:53:A:ASN:HB3	14	1.28
(1,4012)	1:81:B:LEU:HD22	1:89:A:MET:HG3	4	1.28
(1,4012)	1:81:B:LEU:HD23	1:89:A:MET:HG3	20	1.28
(1,4011)	1:81:A:LEU:HD23	1:89:B:MET:HG3	20	1.28
(1,4010)	1:59:B:VAL:HG22	1:87:B:LEU:HD22	6	1.28
(1,3925)	1:15:A:GLU:HB3	1:91:B:CYS:HB3	15	1.28
(1,3816)	1:42:B:PHE:HA	1:8:A:THR:HG21	3	1.28
(1,3816)	1:42:B:PHE:HA	1:8:A:THR:HG23	6	1.28
(1,3816)	1:42:B:PHE:HA	1:8:A:THR:HG21	14	1.28
(1,3815)	1:42:A:PHE:HA	1:8:B:THR:HG22	7	1.28
(1,3815)	1:42:A:PHE:HA	1:8:B:THR:HG21	14	1.28
(1,3734)	1:90:B:ALA:HA	1:87:B:LEU:HD22	17	1.28
(1,3733)	1:90:A:ALA:HA	1:87:A:LEU:HD22	17	1.28
(1,3730)	1:18:B:ILE:HG23	1:95:A:PHE:HA	9	1.28
(1,3696)	1:12:B:ARG:HD2	1:17:A:LEU:HD22	10	1.28
(1,3600)	1:37:B:THR:HG22	1:40:B:LEU:HA	6	1.28
(1,3600)	1:37:B:THR:HG22	1:40:B:LEU:HA	7	1.28
(1,3599)	1:37:A:THR:HG22	1:40:A:LEU:HA	6	1.28
(1,3599)	1:37:A:THR:HG22	1:40:A:LEU:HA	7	1.28
(1,3599)	1:37:A:THR:HG23	1:40:A:LEU:HA	16	1.28
(1,3406)	1:9:B:GLU:HB3	1:17:A:LEU:HG	7	1.28
(1,3405)	1:9:A:GLU:HB3	1:17:B:LEU:HG	8	1.28
(1,2138)	1:47:B:LEU:HB2	1:50:B:PHE:HB3	16	1.28
(1,2137)	1:47:A:LEU:HB2	1:50:A:PHE:HB3	16	1.28
(1,828)	1:40:B:LEU:HA	1:39:B:PHE:HB2	8	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,827)	1:40:A:LEU:HA	1:39:A:PHE:HB2	4	1.28
(1,827)	1:40:A:LEU:HA	1:39:A:PHE:HB2	8	1.28
(1,566)	1:25:B:ALA:HB3	1:33:B:THR:HG21	5	1.28
(1,565)	1:25:A:ALA:HB3	1:33:A:THR:HG21	5	1.28
(1,320)	1:74:B:GLN:HB3	1:76:B:ASP:HB3	16	1.28
(1,319)	1:74:A:GLN:HB3	1:76:A:ASP:HB3	16	1.28
(1,224)	1:34:B:LEU:HB2	1:39:B:PHE:HB3	6	1.28
(1,89)	1:15:A:GLU:HB2	1:9:B:GLU:HG3	9	1.28
(1,87)	1:15:A:GLU:HB2	1:9:B:GLU:HG3	9	1.28
(1,55)	1:17:A:LEU:HD12	1:13:B:CYS:HB2	8	1.28
(2,60)	1:42:B:PHE:HB3	1:24:B:TYR:H	9	1.27
(2,59)	1:42:A:PHE:HB3	1:24:A:TYR:H	9	1.27
(1,5416)	1:69:B:THR:H	1:75:B:LEU:HB2	19	1.27
(1,5415)	1:69:A:THR:H	1:75:A:LEU:HB2	19	1.27
(1,5274)	1:77:B:PHE:H	1:81:B:LEU:HD12	4	1.27
(1,5196)	1:73:B:GLY:H	1:69:B:THR:HG21	12	1.27
(1,5195)	1:73:A:GLY:H	1:69:A:THR:HG23	8	1.27
(1,4940)	1:83:B:LEU:HD12	1:82:B:ASN:H	4	1.27
(1,4940)	1:83:B:LEU:HD12	1:82:B:ASN:H	14	1.27
(1,4939)	1:83:A:LEU:HD12	1:82:A:ASN:H	4	1.27
(1,4939)	1:83:A:LEU:HD11	1:82:A:ASN:H	13	1.27
(1,4939)	1:83:A:LEU:HD12	1:82:A:ASN:H	14	1.27
(1,4846)	1:66:B:LYS:HE2	1:62:B:ARG:HD3	10	1.27
(1,4845)	1:66:A:LYS:HE2	1:62:A:ARG:HD3	10	1.27
(1,4733)	1:8:A:THR:HG21	1:46:B:GLU:HB2	5	1.27
(1,4632)	1:61:B:ASP:H	1:60:B:LEU:HD22	15	1.27
(1,4631)	1:61:A:ASP:H	1:60:A:LEU:HD22	15	1.27
(1,4630)	1:66:B:LYS:HE2	1:62:B:ARG:HD3	10	1.27
(1,4629)	1:66:A:LYS:HE2	1:62:A:ARG:HD3	10	1.27
(1,4422)	1:42:B:PHE:HA	1:45:B:THR:HG21	3	1.27
(1,4400)	1:48:B:ALA:HB3	1:47:B:LEU:HD23	6	1.27
(1,4399)	1:48:A:ALA:HB3	1:47:A:LEU:HD23	6	1.27
(1,4354)	1:12:B:ARG:HB2	1:17:B:LEU:H	4	1.27
(1,4353)	1:12:A:ARG:HB2	1:17:A:LEU:H	4	1.27
(1,4327)	1:15:A:GLU:HG3	1:88:B:ALA:HB1	4	1.27
(1,4312)	1:68:B:ASP:HB2	1:64:B:MET:HB2	5	1.27
(1,4312)	1:68:B:ASP:HB2	1:64:B:MET:HB2	8	1.27
(1,4311)	1:68:A:ASP:HB2	1:64:A:MET:HB2	8	1.27
(1,4230)	1:91:B:CYS:HB2	1:14:A:ILE:HB	19	1.27
(1,4222)	1:99:B:VAL:HG12	1:18:A:ILE:HG22	1	1.27
(1,4221)	1:99:A:VAL:HG12	1:18:B:ILE:HG22	1	1.27
(1,4196)	1:52:B:LYS:HB2	1:53:B:ASN:HB3	13	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4195)	1:52:A:LYS:HB2	1:53:A:ASN:HB3	13	1.27
(1,3965)	1:15:A:GLU:HB2	1:12:A:ARG:HD2	7	1.27
(1,3954)	1:68:B:ASP:HB3	1:75:B:LEU:HB3	14	1.27
(1,3954)	1:68:B:ASP:HB3	1:66:B:LYS:HG2	20	1.27
(1,3953)	1:68:A:ASP:HB3	1:75:A:LEU:HB3	14	1.27
(1,3953)	1:68:A:ASP:HB3	1:66:A:LYS:HG2	20	1.27
(1,3938)	1:39:B:PHE:HB2	1:36:B:LYS:HG3	13	1.27
(1,3937)	1:39:A:PHE:HB2	1:36:A:LYS:HG3	13	1.27
(1,3850)	1:34:B:LEU:HB2	1:39:B:PHE:HB2	20	1.27
(1,3849)	1:34:A:LEU:HB2	1:39:A:PHE:HB2	20	1.27
(1,3806)	1:99:B:VAL:HG12	1:18:A:ILE:HG22	1	1.27
(1,3805)	1:99:A:VAL:HG12	1:18:B:ILE:HG22	1	1.27
(1,3719)	1:47:A:LEU:HD12	1:10:B:THR:H	5	1.27
(1,3695)	1:12:A:ARG:HD2	1:17:B:LEU:HD22	10	1.27
(1,3662)	1:10:B:THR:HA	1:81:A:LEU:HD21	9	1.27
(1,3618)	1:37:B:THR:HB	1:34:B:LEU:HD23	17	1.27
(1,3617)	1:37:A:THR:HB	1:34:A:LEU:HD23	17	1.27
(1,3600)	1:37:B:THR:HG22	1:40:B:LEU:HA	2	1.27
(1,3599)	1:37:A:THR:HG22	1:40:A:LEU:HA	2	1.27
(1,3588)	1:75:B:LEU:HB2	1:76:B:ASP:HB2	17	1.27
(1,3587)	1:75:A:LEU:HB2	1:76:A:ASP:HB2	17	1.27
(1,3568)	1:17:B:LEU:HG	1:21:B:PHE:HB3	17	1.27
(1,3567)	1:17:A:LEU:HG	1:21:A:PHE:HB3	17	1.27
(1,3487)	1:10:A:THR:HB	1:81:B:LEU:HD21	4	1.27
(1,3487)	1:10:A:THR:HB	1:81:B:LEU:HD22	8	1.27
(1,3406)	1:9:B:GLU:HB3	1:17:A:LEU:HG	11	1.27
(1,3405)	1:9:A:GLU:HB3	1:17:B:LEU:HG	7	1.27
(1,3405)	1:9:A:GLU:HB3	1:17:B:LEU:HG	11	1.27
(1,1628)	1:24:B:TYR:HB3	1:42:B:PHE:HB3	15	1.27
(1,1627)	1:24:A:TYR:HB3	1:42:A:PHE:HB3	15	1.27
(1,994)	1:21:B:PHE:HB2	1:22:B:GLN:HA	11	1.27
(1,994)	1:21:B:PHE:HB2	1:22:B:GLN:HA	14	1.27
(1,994)	1:21:B:PHE:HB2	1:22:B:GLN:HA	16	1.27
(1,993)	1:21:A:PHE:HB2	1:22:A:GLN:HA	11	1.27
(1,993)	1:21:A:PHE:HB2	1:22:A:GLN:HA	14	1.27
(1,993)	1:21:A:PHE:HB2	1:22:A:GLN:HA	16	1.27
(1,828)	1:40:B:LEU:HA	1:39:B:PHE:HB2	3	1.27
(1,827)	1:40:A:LEU:HA	1:39:A:PHE:HB2	3	1.27
(1,636)	1:62:B:ARG:HG2	1:61:B:ASP:HB2	13	1.27
(1,635)	1:62:A:ARG:HG2	1:61:A:ASP:HB2	13	1.27
(1,486)	1:59:B:VAL:H	1:62:B:ARG:HG2	2	1.27
(1,486)	1:59:B:VAL:H	1:62:B:ARG:HG2	12	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,485)	1:59:A:VAL:H	1:62:A:ARG:HG2	2	1.27
(1,182)	1:39:B:PHE:HB3	1:34:B:LEU:HA	3	1.27
(1,181)	1:39:A:PHE:HB3	1:34:A:LEU:HA	3	1.27
(1,90)	1:15:B:GLU:HB2	1:9:A:GLU:HG3	9	1.27
(1,88)	1:15:B:GLU:HB2	1:9:A:GLU:HG3	9	1.27
(2,146)	1:15:B:GLU:HG2	1:11:B:GLU:HG2	10	1.26
(2,145)	1:15:A:GLU:HG2	1:11:A:GLU:HG2	10	1.26
(2,145)	1:15:A:GLU:HG2	1:11:A:GLU:HG2	15	1.26
(1,5196)	1:73:B:GLY:H	1:69:B:THR:HG23	8	1.26
(1,5196)	1:73:B:GLY:H	1:69:B:THR:HG23	9	1.26
(1,5195)	1:73:A:GLY:H	1:69:A:THR:HG23	9	1.26
(1,5195)	1:73:A:GLY:H	1:69:A:THR:HG21	12	1.26
(1,4940)	1:83:B:LEU:HD13	1:82:B:ASN:H	8	1.26
(1,4940)	1:83:B:LEU:HD11	1:82:B:ASN:H	13	1.26
(1,4939)	1:83:A:LEU:HD13	1:82:A:ASN:H	8	1.26
(1,4734)	1:8:B:THR:HG21	1:46:A:GLU:HB2	14	1.26
(1,4369)	1:75:A:LEU:HB2	1:67:A:LEU:HD11	10	1.26
(1,4311)	1:68:A:ASP:HB2	1:64:A:MET:HB2	3	1.26
(1,4311)	1:68:A:ASP:HB2	1:64:A:MET:HB2	5	1.26
(1,4119)	1:46:A:GLU:HB3	1:87:A:LEU:HD11	17	1.26
(1,4094)	1:62:B:ARG:HB2	1:66:B:LYS:HE2	1	1.26
(1,4093)	1:62:A:ARG:HB2	1:66:A:LYS:HE2	1	1.26
(1,4047)	1:52:A:LYS:HB2	1:53:A:ASN:HB3	17	1.26
(1,4012)	1:81:B:LEU:HD23	1:89:A:MET:HG3	14	1.26
(1,3966)	1:15:B:GLU:HB2	1:12:B:ARG:HD2	7	1.26
(1,3966)	1:15:B:GLU:HB2	1:12:B:ARG:HD2	15	1.26
(1,3960)	1:99:B:VAL:HG12	1:100:B:PRO:HD2	5	1.26
(1,3959)	1:99:A:VAL:HG12	1:100:A:PRO:HD2	5	1.26
(1,3954)	1:68:B:ASP:HB3	1:75:B:LEU:HB3	5	1.26
(1,3954)	1:68:B:ASP:HB3	1:75:B:LEU:HB3	12	1.26
(1,3953)	1:68:A:ASP:HB3	1:75:A:LEU:HB3	5	1.26
(1,3953)	1:68:A:ASP:HB3	1:75:A:LEU:HB3	12	1.26
(1,3926)	1:15:B:GLU:HB3	1:91:A:CYS:HB3	15	1.26
(1,3782)	1:16:B:SER:H	1:14:B:ILE:HD12	12	1.26
(1,3781)	1:16:A:SER:H	1:14:A:ILE:HD12	12	1.26
(1,3729)	1:18:A:ILE:HG23	1:95:B:PHE:HA	9	1.26
(1,3720)	1:47:B:LEU:HD12	1:10:A:THR:H	5	1.26
(1,3661)	1:10:A:THR:HA	1:81:B:LEU:HD21	9	1.26
(1,3538)	1:39:B:PHE:HB3	1:34:B:LEU:HA	2	1.26
(1,3537)	1:39:A:PHE:HB3	1:34:A:LEU:HA	2	1.26
(1,3487)	1:10:A:THR:HB	1:81:B:LEU:HD21	16	1.26
(1,3406)	1:9:B:GLU:HB3	1:17:A:LEU:HG	8	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3405)	1:9:A:GLU:HB3	1:17:B:LEU:HG	15	1.26
(1,3390)	1:17:B:LEU:HD23	1:17:A:LEU:HD11	6	1.26
(1,3389)	1:17:A:LEU:HD23	1:17:B:LEU:HD11	6	1.26
(1,3379)	1:20:A:VAL:HG11	1:12:B:ARG:HG3	7	1.26
(1,994)	1:21:B:PHE:HB2	1:22:B:GLN:HA	3	1.26
(1,828)	1:40:B:LEU:HA	1:39:B:PHE:HB2	1	1.26
(1,827)	1:40:A:LEU:HA	1:39:A:PHE:HB2	1	1.26
(1,486)	1:59:B:VAL:H	1:62:B:ARG:HG2	13	1.26
(1,485)	1:59:A:VAL:H	1:62:A:ARG:HG2	12	1.26
(1,485)	1:59:A:VAL:H	1:62:A:ARG:HG2	13	1.26
(1,224)	1:34:B:LEU:HB2	1:39:B:PHE:HB3	3	1.26
(1,223)	1:34:A:LEU:HB2	1:39:A:PHE:HB3	3	1.26
(2,146)	1:15:B:GLU:HG2	1:11:B:GLU:HG2	15	1.25
(2,145)	1:15:A:GLU:HG2	1:11:A:GLU:HG2	1	1.25
(2,60)	1:42:B:PHE:HB3	1:24:B:TYR:H	2	1.25
(2,59)	1:42:A:PHE:HB3	1:24:A:TYR:H	2	1.25
(1,5196)	1:73:B:GLY:H	1:69:B:THR:HG23	14	1.25
(1,5196)	1:73:B:GLY:H	1:69:B:THR:HG22	19	1.25
(1,5195)	1:73:A:GLY:H	1:69:A:THR:HG23	14	1.25
(1,5195)	1:73:A:GLY:H	1:69:A:THR:HG22	19	1.25
(1,4940)	1:83:B:LEU:HD11	1:82:B:ASN:H	10	1.25
(1,4939)	1:83:A:LEU:HD11	1:82:A:ASN:H	10	1.25
(1,4840)	1:68:B:ASP:HB2	1:72:B:ASP:HB2	5	1.25
(1,4840)	1:68:B:ASP:HB2	1:72:B:ASP:HB2	7	1.25
(1,4839)	1:68:A:ASP:HB2	1:72:A:ASP:HB2	7	1.25
(1,4733)	1:8:A:THR:HG21	1:46:B:GLU:HB2	14	1.25
(1,4688)	1:61:B:ASP:H	1:60:B:LEU:HD21	8	1.25
(1,4687)	1:61:A:ASP:H	1:60:A:LEU:HD21	8	1.25
(1,4422)	1:42:B:PHE:HA	1:45:B:THR:HG23	5	1.25
(1,4421)	1:42:A:PHE:HA	1:45:A:THR:HG23	5	1.25
(1,4370)	1:75:B:LEU:HB2	1:67:B:LEU:HD11	10	1.25
(1,4328)	1:15:B:GLU:HG3	1:88:A:ALA:HB1	4	1.25
(1,4312)	1:68:B:ASP:HB2	1:64:B:MET:HB2	3	1.25
(1,4312)	1:68:B:ASP:HB2	1:64:B:MET:HB2	20	1.25
(1,4294)	1:7:B:PRO:HB3	1:11:B:GLU:HG2	13	1.25
(1,4293)	1:7:A:PRO:HB3	1:11:A:GLU:HG2	13	1.25
(1,4186)	1:7:B:PRO:HG2	1:11:B:GLU:HG2	12	1.25
(1,4185)	1:7:A:PRO:HG2	1:11:A:GLU:HG2	12	1.25
(1,4120)	1:46:B:GLU:HB3	1:87:B:LEU:HD11	17	1.25
(1,4048)	1:52:B:LYS:HB2	1:53:B:ASN:HB3	17	1.25
(1,4012)	1:81:B:LEU:HD23	1:89:A:MET:HG3	1	1.25
(1,4011)	1:81:A:LEU:HD23	1:89:B:MET:HG3	1	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4011)	1:81:A:LEU:HD23	1:89:B:MET:HG3	14	1.25
(1,3966)	1:15:B:GLU:HB2	1:12:B:ARG:HD3	10	1.25
(1,3965)	1:15:A:GLU:HB2	1:12:A:ARG:HD3	10	1.25
(1,3965)	1:15:A:GLU:HB2	1:12:A:ARG:HD2	15	1.25
(1,3815)	1:42:A:PHE:HA	1:8:B:THR:HG23	6	1.25
(1,3777)	1:57:A:PRO:HA	1:61:A:ASP:HB3	2	1.25
(1,3726)	1:46:B:GLU:HB2	1:20:B:VAL:HG11	10	1.25
(1,3725)	1:46:A:GLU:HB2	1:20:A:VAL:HG11	10	1.25
(1,3600)	1:37:B:THR:HG22	1:40:B:LEU:HA	3	1.25
(1,3599)	1:37:A:THR:HG22	1:40:A:LEU:HA	3	1.25
(1,3488)	1:10:B:THR:HB	1:81:A:LEU:HD21	4	1.25
(1,3488)	1:10:B:THR:HB	1:81:A:LEU:HD22	8	1.25
(1,3488)	1:10:B:THR:HB	1:81:A:LEU:HD21	16	1.25
(1,3466)	1:100:B:PRO:HD2	1:98:B:ALA:HB1	4	1.25
(1,3465)	1:100:A:PRO:HD2	1:98:A:ALA:HB1	4	1.25
(1,3458)	1:11:B:GLU:HA	1:12:B:ARG:HD3	12	1.25
(1,3406)	1:9:B:GLU:HB3	1:17:A:LEU:HG	15	1.25
(1,3394)	1:81:B:LEU:HD13	1:81:A:LEU:HD23	11	1.25
(1,3393)	1:81:A:LEU:HD13	1:81:B:LEU:HD23	11	1.25
(1,3363)	1:81:A:LEU:HD23	1:81:B:LEU:HA	6	1.25
(1,994)	1:21:B:PHE:HB2	1:22:B:GLN:HA	4	1.25
(1,994)	1:21:B:PHE:HB2	1:22:B:GLN:HA	8	1.25
(1,993)	1:21:A:PHE:HB2	1:22:A:GLN:HA	3	1.25
(1,993)	1:21:A:PHE:HB2	1:22:A:GLN:HA	4	1.25
(1,993)	1:21:A:PHE:HB2	1:22:A:GLN:HA	8	1.25
(1,486)	1:59:B:VAL:H	1:62:B:ARG:HG2	3	1.25
(1,485)	1:59:A:VAL:H	1:62:A:ARG:HG2	3	1.25
(1,485)	1:59:A:VAL:H	1:62:A:ARG:HG2	4	1.25
(2,148)	1:89:B:MET:HG2	1:93:B:ASP:HB3	17	1.24
(2,146)	1:15:B:GLU:HG2	1:11:B:GLU:HG2	1	1.24
(2,146)	1:15:B:GLU:HG2	1:11:B:GLU:HG2	12	1.24
(2,145)	1:15:A:GLU:HG2	1:11:A:GLU:HG2	12	1.24
(2,144)	1:89:B:MET:HG2	1:93:B:ASP:HB3	17	1.24
(2,130)	1:89:B:MET:HG2	1:93:B:ASP:HB3	17	1.24
(2,60)	1:42:B:PHE:HB3	1:24:B:TYR:H	5	1.24
(2,60)	1:42:B:PHE:HB3	1:24:B:TYR:H	8	1.24
(2,59)	1:42:A:PHE:HB3	1:24:A:TYR:H	5	1.24
(2,59)	1:42:A:PHE:HB3	1:24:A:TYR:H	8	1.24
(1,5649)	1:18:A:ILE:H	1:14:A:ILE:HG22	5	1.24
(1,5217)	1:9:A:GLU:H	1:47:B:LEU:HD22	17	1.24
(1,5196)	1:73:B:GLY:H	1:69:B:THR:HG23	1	1.24
(1,5195)	1:73:A:GLY:H	1:69:A:THR:HG23	1	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4840)	1:68:B:ASP:HB2	1:72:B:ASP:HB2	8	1.24
(1,4839)	1:68:A:ASP:HB2	1:72:A:ASP:HB2	5	1.24
(1,4734)	1:8:B:THR:HG22	1:46:A:GLU:HB2	11	1.24
(1,4733)	1:8:A:THR:HG23	1:46:B:GLU:HB2	6	1.24
(1,4733)	1:8:A:THR:HG22	1:46:B:GLU:HB2	11	1.24
(1,4632)	1:61:B:ASP:H	1:60:B:LEU:HD22	1	1.24
(1,4397)	1:13:A:CYS:HB2	1:17:B:LEU:HD11	2	1.24
(1,4311)	1:68:A:ASP:HB2	1:64:A:MET:HB2	20	1.24
(1,4202)	1:11:B:GLU:HG2	1:8:B:THR:HG23	9	1.24
(1,4201)	1:11:A:GLU:HG2	1:8:A:THR:HG23	9	1.24
(1,4048)	1:52:B:LYS:HB2	1:53:B:ASN:HB3	4	1.24
(1,4047)	1:52:A:LYS:HB2	1:53:A:ASN:HB3	4	1.24
(1,4010)	1:59:B:VAL:HG21	1:87:B:LEU:HD23	16	1.24
(1,4009)	1:59:A:VAL:HG21	1:87:A:LEU:HD23	16	1.24
(1,3816)	1:42:B:PHE:HA	1:8:A:THR:HG22	7	1.24
(1,3778)	1:57:B:PRO:HA	1:61:B:ASP:HB3	2	1.24
(1,3600)	1:37:B:THR:HG23	1:40:B:LEU:HA	4	1.24
(1,3600)	1:37:B:THR:HG21	1:40:B:LEU:HA	14	1.24
(1,3599)	1:37:A:THR:HG23	1:40:A:LEU:HA	4	1.24
(1,3599)	1:37:A:THR:HG21	1:40:A:LEU:HA	14	1.24
(1,3538)	1:34:B:LEU:HA	1:80:B:PHE:HB2	3	1.24
(1,3537)	1:34:A:LEU:HA	1:80:A:PHE:HB2	3	1.24
(1,3488)	1:10:B:THR:HB	1:81:A:LEU:HD22	7	1.24
(1,3457)	1:11:A:GLU:HA	1:12:A:ARG:HD3	12	1.24
(1,3393)	1:81:A:LEU:HD13	1:87:B:LEU:HD13	15	1.24
(1,3390)	1:17:B:LEU:HD23	1:14:A:ILE:HD11	4	1.24
(1,3389)	1:17:A:LEU:HD23	1:14:B:ILE:HD11	4	1.24
(1,3380)	1:20:B:VAL:HG11	1:12:A:ARG:HG3	7	1.24
(1,3364)	1:81:B:LEU:HD23	1:81:A:LEU:HA	6	1.24
(1,3360)	1:19:B:ALA:HB3	1:9:A:GLU:HA	10	1.24
(1,3359)	1:19:A:ALA:HB3	1:9:B:GLU:HA	10	1.24
(1,1596)	1:84:B:ILE:HB	1:81:B:LEU:HB2	15	1.24
(1,1595)	1:84:A:ILE:HB	1:81:A:LEU:HB2	15	1.24
(1,994)	1:21:B:PHE:HB2	1:22:B:GLN:HA	5	1.24
(1,994)	1:21:B:PHE:HB2	1:22:B:GLN:HA	17	1.24
(1,993)	1:21:A:PHE:HB2	1:22:A:GLN:HA	5	1.24
(1,993)	1:21:A:PHE:HB2	1:22:A:GLN:HA	17	1.24
(1,828)	1:40:B:LEU:HA	1:39:B:PHE:HB2	2	1.24
(1,828)	1:40:B:LEU:HA	1:39:B:PHE:HB2	13	1.24
(1,828)	1:40:B:LEU:HA	1:39:B:PHE:HB2	18	1.24
(1,827)	1:40:A:LEU:HA	1:39:A:PHE:HB2	2	1.24
(1,827)	1:40:A:LEU:HA	1:39:A:PHE:HB2	13	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,827)	1:40:A:LEU:HA	1:39:A:PHE:HB2	18	1.24
(1,486)	1:59:B:VAL:H	1:62:B:ARG:HG2	4	1.24
(1,486)	1:59:B:VAL:H	1:62:B:ARG:HG2	11	1.24
(1,485)	1:59:A:VAL:H	1:62:A:ARG:HG2	6	1.24
(1,286)	1:75:B:LEU:HB3	1:39:B:PHE:HB3	7	1.24
(1,285)	1:75:A:LEU:HB3	1:39:A:PHE:HB3	7	1.24
(2,147)	1:89:A:MET:HG2	1:93:A:ASP:HB3	3	1.23
(2,147)	1:89:A:MET:HG2	1:93:A:ASP:HB3	17	1.23
(2,146)	1:15:B:GLU:HG2	1:11:B:GLU:HG2	7	1.23
(2,145)	1:15:A:GLU:HG2	1:11:A:GLU:HG2	7	1.23
(2,143)	1:89:A:MET:HG2	1:93:A:ASP:HB3	3	1.23
(2,143)	1:89:A:MET:HG2	1:93:A:ASP:HB3	17	1.23
(2,129)	1:89:A:MET:HG2	1:93:A:ASP:HB3	3	1.23
(2,129)	1:89:A:MET:HG2	1:93:A:ASP:HB3	17	1.23
(2,60)	1:42:B:PHE:HB3	1:24:B:TYR:H	7	1.23
(2,59)	1:42:A:PHE:HB3	1:24:A:TYR:H	7	1.23
(1,5650)	1:18:B:ILE:H	1:14:B:ILE:HG22	5	1.23
(1,5273)	1:77:A:PHE:H	1:96:B:LEU:HD23	18	1.23
(1,5217)	1:9:A:GLU:H	1:47:B:LEU:HD22	19	1.23
(1,5213)	1:77:A:PHE:H	1:81:A:LEU:HB2	16	1.23
(1,4940)	1:83:B:LEU:HD12	1:82:B:ASN:H	19	1.23
(1,4939)	1:83:A:LEU:HD12	1:82:A:ASN:H	19	1.23
(1,4839)	1:68:A:ASP:HB2	1:72:A:ASP:HB2	8	1.23
(1,4734)	1:8:B:THR:HG23	1:46:A:GLU:HB2	6	1.23
(1,4734)	1:8:B:THR:HG23	1:46:A:GLU:HB2	20	1.23
(1,4632)	1:61:B:ASP:H	1:60:B:LEU:HD22	3	1.23
(1,4631)	1:61:A:ASP:H	1:60:A:LEU:HD22	1	1.23
(1,4631)	1:61:A:ASP:H	1:60:A:LEU:HD22	3	1.23
(1,4398)	1:13:B:CYS:HB2	1:17:A:LEU:HD11	2	1.23
(1,4370)	1:75:B:LEU:HB2	1:67:B:LEU:HD12	11	1.23
(1,4369)	1:75:A:LEU:HB2	1:67:A:LEU:HD12	11	1.23
(1,4229)	1:91:A:CYS:HB2	1:14:B:ILE:HB	20	1.23
(1,4196)	1:52:B:LYS:HD3	1:44:B:ASN:HB3	7	1.23
(1,3816)	1:42:B:PHE:HA	1:8:A:THR:HG23	10	1.23
(1,3815)	1:42:A:PHE:HA	1:8:B:THR:HG23	10	1.23
(1,3782)	1:16:B:SER:H	1:14:B:ILE:HD13	10	1.23
(1,3781)	1:16:A:SER:H	1:14:A:ILE:HD13	10	1.23
(1,3733)	1:90:A:ALA:HA	1:87:A:LEU:HD22	15	1.23
(1,3614)	1:52:B:LYS:HG3	1:59:B:VAL:HG13	20	1.23
(1,3613)	1:52:A:LYS:HG3	1:59:A:VAL:HG13	20	1.23
(1,3458)	1:11:B:GLU:HA	1:50:A:PHE:HB2	13	1.23
(1,3416)	1:83:B:LEU:HG	1:80:B:PHE:HB3	18	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3415)	1:83:A:LEU:HG	1:80:A:PHE:HB3	18	1.23
(1,3396)	1:81:B:LEU:HD11	1:17:A:LEU:HD13	12	1.23
(1,3395)	1:81:A:LEU:HD11	1:17:B:LEU:HD13	12	1.23
(1,3394)	1:81:B:LEU:HD13	1:87:A:LEU:HD13	15	1.23
(1,3348)	1:14:B:ILE:HD11	1:47:A:LEU:HB2	20	1.23
(1,3347)	1:14:A:ILE:HD11	1:47:B:LEU:HB2	20	1.23
(1,636)	1:62:B:ARG:HG2	1:61:B:ASP:HB2	18	1.23
(1,635)	1:62:A:ARG:HG2	1:61:A:ASP:HB2	18	1.23
(1,486)	1:59:B:VAL:H	1:62:B:ARG:HG2	5	1.23
(1,486)	1:59:B:VAL:H	1:62:B:ARG:HG2	6	1.23
(1,485)	1:59:A:VAL:H	1:62:A:ARG:HG2	1	1.23
(1,485)	1:59:A:VAL:H	1:62:A:ARG:HG2	5	1.23
(1,485)	1:59:A:VAL:H	1:62:A:ARG:HG2	11	1.23
(1,485)	1:59:A:VAL:H	1:62:A:ARG:HG2	14	1.23
(1,485)	1:59:A:VAL:H	1:62:A:ARG:HG2	18	1.23
(1,358)	1:73:B:GLY:HA2	1:72:B:ASP:HB2	19	1.23
(1,357)	1:73:A:GLY:HA2	1:72:A:ASP:HB2	19	1.23
(1,56)	1:17:B:LEU:HD11	1:13:A:CYS:HB2	10	1.23
(1,55)	1:17:A:LEU:HD11	1:13:B:CYS:HB2	10	1.23
(1,55)	1:17:A:LEU:HD11	1:13:B:CYS:HB2	19	1.23
(2,148)	1:89:B:MET:HG2	1:93:B:ASP:HB3	3	1.22
(2,144)	1:89:B:MET:HG2	1:93:B:ASP:HB3	3	1.22
(2,130)	1:89:B:MET:HG2	1:93:B:ASP:HB3	3	1.22
(1,5650)	1:18:B:ILE:H	1:14:B:ILE:HG22	12	1.22
(1,5650)	1:18:B:ILE:H	1:17:B:LEU:HD13	19	1.22
(1,5650)	1:18:B:ILE:H	1:14:B:ILE:HG22	20	1.22
(1,5649)	1:18:A:ILE:H	1:14:A:ILE:HG22	12	1.22
(1,5649)	1:18:A:ILE:H	1:14:A:ILE:HG22	20	1.22
(1,5462)	1:45:B:THR:H	1:51:B:THR:HG21	18	1.22
(1,5274)	1:77:B:PHE:H	1:96:A:LEU:HD23	18	1.22
(1,5218)	1:9:B:GLU:H	1:47:A:LEU:HD22	10	1.22
(1,5218)	1:9:B:GLU:H	1:47:A:LEU:HD22	17	1.22
(1,5217)	1:9:A:GLU:H	1:47:B:LEU:HD22	10	1.22
(1,5214)	1:77:B:PHE:H	1:81:B:LEU:HB2	16	1.22
(1,4940)	1:83:B:LEU:HD12	1:82:B:ASN:H	5	1.22
(1,4939)	1:83:A:LEU:HD13	1:82:A:ASN:H	2	1.22
(1,4938)	1:10:B:THR:HG22	1:87:A:LEU:HD21	5	1.22
(1,4937)	1:10:A:THR:HG22	1:87:B:LEU:HD21	5	1.22
(1,4734)	1:8:B:THR:HG22	1:46:A:GLU:HB2	1	1.22
(1,4734)	1:8:B:THR:HG21	1:46:A:GLU:HB2	3	1.22
(1,4733)	1:8:A:THR:HG21	1:46:B:GLU:HB2	8	1.22
(1,4733)	1:8:A:THR:HG23	1:46:B:GLU:HB2	20	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4381)	1:49:A:ALA:HB3	1:14:B:ILE:HG21	12	1.22
(1,4311)	1:68:A:ASP:HB2	1:64:A:MET:HB2	18	1.22
(1,4230)	1:91:B:CYS:HB2	1:14:A:ILE:HB	20	1.22
(1,4195)	1:52:A:LYS:HD3	1:44:A:ASN:HB3	7	1.22
(1,4104)	1:42:B:PHE:HA	1:20:B:VAL:HB	13	1.22
(1,4103)	1:42:A:PHE:HA	1:20:A:VAL:HB	13	1.22
(1,4058)	1:18:B:ILE:HG23	1:91:A:CYS:HB3	20	1.22
(1,4057)	1:18:A:ILE:HG23	1:91:B:CYS:HB3	20	1.22
(1,4030)	1:73:B:GLY:HA3	1:36:B:LYS:HD3	15	1.22
(1,4029)	1:73:A:GLY:HA3	1:36:A:LYS:HD3	15	1.22
(1,3872)	1:39:B:PHE:H	1:34:B:LEU:HD12	7	1.22
(1,3871)	1:39:A:PHE:H	1:34:A:LEU:HD12	7	1.22
(1,3771)	1:96:A:LEU:HD23	1:93:A:ASP:HB2	12	1.22
(1,3734)	1:90:B:ALA:HA	1:87:B:LEU:HD22	15	1.22
(1,3656)	1:48:B:ALA:HB1	1:46:B:GLU:HG2	11	1.22
(1,3655)	1:48:A:ALA:HB1	1:46:A:GLU:HG2	11	1.22
(1,3617)	1:37:A:THR:HB	1:34:A:LEU:HD23	15	1.22
(1,3562)	1:76:B:ASP:HA	1:75:B:LEU:HD22	20	1.22
(1,3487)	1:10:A:THR:HB	1:81:B:LEU:HD22	7	1.22
(1,3457)	1:11:A:GLU:HA	1:50:B:PHE:HB2	13	1.22
(1,3416)	1:83:B:LEU:HG	1:66:B:LYS:HE3	7	1.22
(1,3372)	1:10:B:THR:HG22	1:87:A:LEU:HD21	5	1.22
(1,3371)	1:10:A:THR:HG22	1:87:B:LEU:HD21	5	1.22
(1,2138)	1:47:B:LEU:HB2	1:50:B:PHE:HB3	14	1.22
(1,2138)	1:47:B:LEU:HB2	1:50:B:PHE:HB3	20	1.22
(1,2137)	1:47:A:LEU:HB2	1:50:A:PHE:HB3	14	1.22
(1,2137)	1:47:A:LEU:HB2	1:50:A:PHE:HB3	20	1.22
(1,828)	1:40:B:LEU:HA	1:39:B:PHE:HB2	6	1.22
(1,827)	1:40:A:LEU:HA	1:39:A:PHE:HB2	6	1.22
(1,486)	1:59:B:VAL:H	1:62:B:ARG:HG2	1	1.22
(1,486)	1:59:B:VAL:H	1:62:B:ARG:HG2	14	1.22
(1,486)	1:59:B:VAL:H	1:62:B:ARG:HG2	18	1.22
(1,358)	1:73:B:GLY:HA2	1:72:B:ASP:HB2	1	1.22
(1,358)	1:73:B:GLY:HA2	1:72:B:ASP:HB2	17	1.22
(1,357)	1:73:A:GLY:HA2	1:72:A:ASP:HB2	1	1.22
(1,56)	1:17:B:LEU:HD11	1:13:A:CYS:HB2	5	1.22
(1,55)	1:17:A:LEU:HD11	1:13:B:CYS:HB2	5	1.22
(2,147)	1:89:A:MET:HG2	1:93:A:ASP:HB3	13	1.21
(2,147)	1:89:A:MET:HG2	1:93:A:ASP:HB3	18	1.21
(2,146)	1:15:B:GLU:HG2	1:11:B:GLU:HG2	5	1.21
(2,145)	1:15:A:GLU:HG2	1:11:A:GLU:HG2	5	1.21
(2,143)	1:89:A:MET:HG2	1:93:A:ASP:HB3	13	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,143)	1:89:A:MET:HG2	1:93:A:ASP:HB3	18	1.21
(2,129)	1:89:A:MET:HG2	1:93:A:ASP:HB3	13	1.21
(2,129)	1:89:A:MET:HG2	1:93:A:ASP:HB3	18	1.21
(1,5650)	1:18:B:ILE:H	1:14:B:ILE:HG22	1	1.21
(1,5650)	1:18:B:ILE:H	1:17:B:LEU:HD11	11	1.21
(1,5649)	1:18:A:ILE:H	1:14:A:ILE:HG22	1	1.21
(1,5649)	1:18:A:ILE:H	1:17:A:LEU:HD11	11	1.21
(1,5649)	1:18:A:ILE:H	1:17:A:LEU:HD13	19	1.21
(1,5461)	1:45:A:THR:H	1:51:A:THR:HG21	18	1.21
(1,5196)	1:73:B:GLY:H	1:69:B:THR:HG22	15	1.21
(1,5195)	1:73:A:GLY:H	1:69:A:THR:HG22	15	1.21
(1,4940)	1:83:B:LEU:HD13	1:82:B:ASN:H	2	1.21
(1,4940)	1:83:B:LEU:HD12	1:82:B:ASN:H	17	1.21
(1,4939)	1:83:A:LEU:HD12	1:82:A:ASN:H	5	1.21
(1,4939)	1:83:A:LEU:HD12	1:82:A:ASN:H	17	1.21
(1,4826)	1:89:B:MET:HB2	1:90:B:ALA:HB3	2	1.21
(1,4825)	1:89:A:MET:HB2	1:90:A:ALA:HB3	2	1.21
(1,4733)	1:8:A:THR:HG22	1:46:B:GLU:HB2	1	1.21
(1,4632)	1:61:B:ASP:H	1:60:B:LEU:HD23	2	1.21
(1,4632)	1:61:B:ASP:H	1:60:B:LEU:HD21	4	1.21
(1,4631)	1:61:A:ASP:H	1:60:A:LEU:HD23	2	1.21
(1,4631)	1:61:A:ASP:H	1:60:A:LEU:HD21	4	1.21
(1,4422)	1:42:B:PHE:HA	1:45:B:THR:HG22	10	1.21
(1,4421)	1:42:A:PHE:HA	1:45:A:THR:HG22	10	1.21
(1,4382)	1:49:B:ALA:HB3	1:14:A:ILE:HG21	12	1.21
(1,4382)	1:49:B:ALA:HB2	1:14:A:ILE:HG22	18	1.21
(1,4381)	1:49:A:ALA:HB2	1:14:B:ILE:HG22	18	1.21
(1,4354)	1:12:B:ARG:HB2	1:17:B:LEU:H	6	1.21
(1,4353)	1:12:A:ARG:HB2	1:17:A:LEU:H	6	1.21
(1,4312)	1:68:B:ASP:HB2	1:64:B:MET:HB2	18	1.21
(1,4230)	1:14:B:ILE:HB	1:13:B:CYS:HB3	13	1.21
(1,4229)	1:14:A:ILE:HB	1:13:A:CYS:HB3	13	1.21
(1,4012)	1:81:B:LEU:HD22	1:89:A:MET:HG3	2	1.21
(1,4011)	1:81:A:LEU:HD22	1:89:B:MET:HG3	2	1.21
(1,3954)	1:68:B:ASP:HB3	1:66:B:LYS:HG2	17	1.21
(1,3776)	1:49:B:ALA:HB2	1:87:B:LEU:HD21	2	1.21
(1,3776)	1:49:B:ALA:HB1	1:87:B:LEU:HD21	3	1.21
(1,3776)	1:49:B:ALA:HB1	1:87:B:LEU:HD21	9	1.21
(1,3775)	1:49:A:ALA:HB1	1:87:A:LEU:HD21	9	1.21
(1,3772)	1:96:B:LEU:HD23	1:93:B:ASP:HB2	12	1.21
(1,3725)	1:46:A:GLU:HB2	1:20:A:VAL:HG12	20	1.21
(1,3720)	1:47:B:LEU:HD12	1:10:A:THR:H	11	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3694)	1:62:B:ARG:HD3	1:59:B:VAL:HG13	14	1.21
(1,3693)	1:62:A:ARG:HD3	1:59:A:VAL:HG13	14	1.21
(1,3618)	1:37:B:THR:HB	1:34:B:LEU:HD23	11	1.21
(1,3618)	1:37:B:THR:HB	1:34:B:LEU:HD23	15	1.21
(1,3600)	1:37:B:THR:HG23	1:40:B:LEU:HA	15	1.21
(1,3596)	1:13:B:CYS:HB2	1:20:A:VAL:HG12	1	1.21
(1,3595)	1:13:A:CYS:HB2	1:20:B:VAL:HG12	1	1.21
(1,3568)	1:17:B:LEU:HG	1:15:B:GLU:HG2	6	1.21
(1,3567)	1:17:A:LEU:HG	1:15:A:GLU:HG2	6	1.21
(1,3561)	1:76:A:ASP:HA	1:75:A:LEU:HD22	20	1.21
(1,3506)	1:69:B:THR:HB	1:68:B:ASP:HB2	20	1.21
(1,3505)	1:69:A:THR:HB	1:68:A:ASP:HB2	20	1.21
(1,3415)	1:83:A:LEU:HG	1:66:A:LYS:HE3	7	1.21
(1,3347)	1:14:A:ILE:HD11	1:47:B:LEU:HB2	15	1.21
(1,1596)	1:84:B:ILE:HB	1:81:B:LEU:HB2	4	1.21
(1,1596)	1:84:B:ILE:HB	1:81:B:LEU:HB2	6	1.21
(1,1595)	1:84:A:ILE:HB	1:81:A:LEU:HB2	6	1.21
(1,994)	1:21:B:PHE:HB2	1:22:B:GLN:HA	1	1.21
(1,565)	1:25:A:ALA:HB3	1:33:A:THR:HG22	15	1.21
(1,486)	1:59:B:VAL:H	1:62:B:ARG:HG2	7	1.21
(1,486)	1:59:B:VAL:H	1:62:B:ARG:HG2	15	1.21
(1,358)	1:73:B:GLY:HA2	1:72:B:ASP:HB2	3	1.21
(1,358)	1:73:B:GLY:HA2	1:72:B:ASP:HB2	5	1.21
(1,358)	1:73:B:GLY:HA2	1:72:B:ASP:HB2	14	1.21
(1,358)	1:73:B:GLY:HA2	1:72:B:ASP:HB2	16	1.21
(1,357)	1:73:A:GLY:HA2	1:72:A:ASP:HB2	3	1.21
(1,357)	1:73:A:GLY:HA2	1:72:A:ASP:HB2	14	1.21
(1,357)	1:73:A:GLY:HA2	1:72:A:ASP:HB2	16	1.21
(1,357)	1:73:A:GLY:HA2	1:72:A:ASP:HB2	17	1.21
(1,268)	1:75:B:LEU:HB3	1:39:B:PHE:HB3	7	1.21
(1,267)	1:75:A:LEU:HB3	1:39:A:PHE:HB3	7	1.21
(2,148)	1:89:B:MET:HG2	1:93:B:ASP:HB3	18	1.2
(2,144)	1:89:B:MET:HG2	1:93:B:ASP:HB3	18	1.2
(2,130)	1:89:B:MET:HG2	1:93:B:ASP:HB3	18	1.2
(1,5650)	1:18:B:ILE:H	1:17:B:LEU:HD13	2	1.2
(1,5649)	1:18:A:ILE:H	1:17:A:LEU:HD13	2	1.2
(1,4904)	1:82:B:ASN:HB2	1:80:B:PHE:HB3	20	1.2
(1,4903)	1:82:A:ASN:HB2	1:80:A:PHE:HB3	20	1.2
(1,4734)	1:8:B:THR:HG22	1:46:A:GLU:HB2	2	1.2
(1,4734)	1:8:B:THR:HG21	1:46:A:GLU:HB2	8	1.2
(1,4734)	1:8:B:THR:HG23	1:46:A:GLU:HB2	10	1.2
(1,4733)	1:8:A:THR:HG22	1:46:B:GLU:HB2	2	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4733)	1:8:A:THR:HG23	1:46:B:GLU:HB2	10	1.2
(1,4688)	1:61:B:ASP:H	1:40:B:LEU:HD23	6	1.2
(1,4688)	1:61:B:ASP:H	1:40:B:LEU:HD21	18	1.2
(1,4687)	1:61:A:ASP:H	1:40:A:LEU:HD21	18	1.2
(1,4632)	1:61:B:ASP:H	1:60:B:LEU:HD21	5	1.2
(1,4631)	1:61:A:ASP:H	1:60:A:LEU:HD21	5	1.2
(1,4348)	1:82:B:ASN:HB2	1:80:B:PHE:HB3	20	1.2
(1,4347)	1:82:A:ASN:HB2	1:80:A:PHE:HB3	20	1.2
(1,4229)	1:91:A:CYS:HB2	1:14:B:ILE:HB	3	1.2
(1,4194)	1:81:B:LEU:HD23	1:85:A:GLY:H	6	1.2
(1,4193)	1:81:A:LEU:HD23	1:85:B:GLY:H	6	1.2
(1,4169)	1:16:A:SER:HB3	1:9:B:GLU:HB2	12	1.2
(1,4168)	1:20:B:VAL:HB	1:34:B:LEU:HD23	6	1.2
(1,4168)	1:20:B:VAL:HB	1:34:B:LEU:HD22	11	1.2
(1,4167)	1:20:A:VAL:HB	1:34:A:LEU:HD23	6	1.2
(1,4167)	1:20:A:VAL:HB	1:34:A:LEU:HD22	11	1.2
(1,4136)	1:20:B:VAL:HB	1:34:B:LEU:HD23	6	1.2
(1,4136)	1:20:B:VAL:HB	1:34:B:LEU:HD22	11	1.2
(1,4135)	1:20:A:VAL:HB	1:34:A:LEU:HD23	6	1.2
(1,4135)	1:20:A:VAL:HB	1:34:A:LEU:HD22	11	1.2
(1,4120)	1:46:B:GLU:HB3	1:23:B:LYS:HG3	2	1.2
(1,4119)	1:46:A:GLU:HB3	1:23:A:LYS:HG3	2	1.2
(1,4022)	1:49:B:ALA:HB2	1:91:B:CYS:HB2	8	1.2
(1,4021)	1:49:A:ALA:HB2	1:91:A:CYS:HB2	8	1.2
(1,4021)	1:49:A:ALA:HB2	1:91:A:CYS:HB2	16	1.2
(1,4008)	1:12:B:ARG:H	1:14:B:ILE:HD12	6	1.2
(1,4008)	1:12:B:ARG:H	1:14:B:ILE:HD12	18	1.2
(1,4007)	1:12:A:ARG:H	1:14:A:ILE:HD12	6	1.2
(1,4007)	1:12:A:ARG:H	1:14:A:ILE:HD12	18	1.2
(1,3954)	1:68:B:ASP:HB3	1:75:B:LEU:HB3	16	1.2
(1,3953)	1:68:A:ASP:HB3	1:75:A:LEU:HB3	16	1.2
(1,3953)	1:68:A:ASP:HB3	1:66:A:LYS:HG2	17	1.2
(1,3782)	1:16:B:SER:H	1:14:B:ILE:HD12	6	1.2
(1,3781)	1:16:A:SER:H	1:14:A:ILE:HD12	6	1.2
(1,3776)	1:49:B:ALA:HB2	1:87:B:LEU:HD23	15	1.2
(1,3775)	1:49:A:ALA:HB2	1:87:A:LEU:HD21	2	1.2
(1,3775)	1:49:A:ALA:HB1	1:87:A:LEU:HD21	3	1.2
(1,3726)	1:46:B:GLU:HB2	1:20:B:VAL:HG12	20	1.2
(1,3719)	1:47:A:LEU:HD12	1:10:B:THR:H	11	1.2
(1,3694)	1:62:B:ARG:HD3	1:59:B:VAL:HG12	3	1.2
(1,3693)	1:62:A:ARG:HD3	1:59:A:VAL:HG12	3	1.2
(1,3599)	1:37:A:THR:HG23	1:40:A:LEU:HA	15	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3568)	1:17:B:LEU:HG	1:21:B:PHE:HB3	1	1.2
(1,3567)	1:17:A:LEU:HG	1:21:A:PHE:HB3	1	1.2
(1,3558)	1:68:B:ASP:HA	1:33:B:THR:HG22	14	1.2
(1,3557)	1:68:A:ASP:HA	1:33:A:THR:HG22	14	1.2
(1,3488)	1:10:B:THR:HB	1:81:A:LEU:HD22	11	1.2
(1,3487)	1:10:A:THR:HB	1:81:B:LEU:HD22	11	1.2
(1,3424)	1:60:B:LEU:HB2	1:37:B:THR:HA	4	1.2
(1,3416)	1:83:B:LEU:HG	1:82:B:ASN:HB2	8	1.2
(1,3416)	1:83:B:LEU:HG	1:80:B:PHE:HB3	12	1.2
(1,3416)	1:83:B:LEU:HG	1:80:B:PHE:HB3	20	1.2
(1,3415)	1:83:A:LEU:HG	1:82:A:ASN:HB2	8	1.2
(1,3415)	1:83:A:LEU:HG	1:80:A:PHE:HB3	20	1.2
(1,3406)	1:9:B:GLU:HB3	1:17:A:LEU:HG	9	1.2
(1,3390)	1:17:B:LEU:HD22	1:17:A:LEU:HD12	7	1.2
(1,3390)	1:17:B:LEU:HD21	1:17:A:LEU:HD12	13	1.2
(1,3389)	1:17:A:LEU:HD22	1:17:B:LEU:HD12	7	1.2
(1,3389)	1:17:A:LEU:HD21	1:17:B:LEU:HD12	13	1.2
(1,3364)	1:81:B:LEU:HD23	1:81:A:LEU:HA	3	1.2
(1,3348)	1:14:B:ILE:HD13	1:47:A:LEU:HB2	13	1.2
(1,3348)	1:14:B:ILE:HD11	1:47:A:LEU:HB2	15	1.2
(1,3347)	1:14:A:ILE:HD13	1:47:B:LEU:HB2	13	1.2
(1,2138)	1:47:B:LEU:HB2	1:50:B:PHE:HB3	3	1.2
(1,2137)	1:47:A:LEU:HB2	1:50:A:PHE:HB3	3	1.2
(1,1595)	1:84:A:ILE:HB	1:81:A:LEU:HB2	4	1.2
(1,993)	1:21:A:PHE:HB2	1:22:A:GLN:HA	1	1.2
(1,566)	1:25:B:ALA:HB1	1:33:B:THR:HG22	7	1.2
(1,566)	1:25:B:ALA:HB3	1:33:B:THR:HG22	15	1.2
(1,565)	1:25:A:ALA:HB1	1:33:A:THR:HG22	7	1.2
(1,486)	1:59:B:VAL:H	1:62:B:ARG:HG2	8	1.2
(1,486)	1:59:B:VAL:H	1:62:B:ARG:HG2	16	1.2
(1,485)	1:59:A:VAL:H	1:62:A:ARG:HG2	7	1.2
(1,485)	1:59:A:VAL:H	1:62:A:ARG:HG2	8	1.2
(1,485)	1:59:A:VAL:H	1:62:A:ARG:HG2	15	1.2
(1,485)	1:59:A:VAL:H	1:62:A:ARG:HG2	16	1.2
(1,358)	1:73:B:GLY:HA2	1:72:B:ASP:HB2	6	1.2
(1,357)	1:73:A:GLY:HA2	1:72:A:ASP:HB2	5	1.2
(1,357)	1:73:A:GLY:HA2	1:72:A:ASP:HB2	6	1.2
(2,148)	1:89:B:MET:HG2	1:93:B:ASP:HB3	13	1.19
(2,148)	1:89:B:MET:HG2	1:93:B:ASP:HB3	16	1.19
(2,147)	1:89:A:MET:HG2	1:93:A:ASP:HB3	16	1.19
(2,147)	1:89:A:MET:HG2	1:93:A:ASP:HB3	20	1.19
(2,144)	1:89:B:MET:HG2	1:93:B:ASP:HB3	13	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,144)	1:89:B:MET:HG2	1:93:B:ASP:HB3	16	1.19
(2,143)	1:89:A:MET:HG2	1:93:A:ASP:HB3	16	1.19
(2,143)	1:89:A:MET:HG2	1:93:A:ASP:HB3	20	1.19
(2,130)	1:89:B:MET:HG2	1:93:B:ASP:HB3	13	1.19
(2,130)	1:89:B:MET:HG2	1:93:B:ASP:HB3	16	1.19
(2,129)	1:89:A:MET:HG2	1:93:A:ASP:HB3	16	1.19
(2,129)	1:89:A:MET:HG2	1:93:A:ASP:HB3	20	1.19
(1,5536)	1:23:B:LYS:H	1:22:B:GLN:HG2	14	1.19
(1,5535)	1:23:A:LYS:H	1:22:A:GLN:HG3	11	1.19
(1,5274)	1:77:B:PHE:H	1:81:B:LEU:HD13	5	1.19
(1,5274)	1:77:B:PHE:H	1:81:B:LEU:HD12	17	1.19
(1,5273)	1:77:A:PHE:H	1:81:A:LEU:HD13	5	1.19
(1,5273)	1:77:A:PHE:H	1:81:A:LEU:HD12	17	1.19
(1,5217)	1:9:A:GLU:H	1:47:B:LEU:HD22	11	1.19
(1,4846)	1:97:B:LYS:HE2	1:95:B:PHE:HB3	6	1.19
(1,4845)	1:97:A:LYS:HE2	1:95:A:PHE:HB3	6	1.19
(1,4758)	1:60:B:LEU:HD12	1:47:B:LEU:H	2	1.19
(1,4757)	1:60:A:LEU:HD12	1:47:A:LEU:H	2	1.19
(1,4733)	1:8:A:THR:HG21	1:46:B:GLU:HB2	3	1.19
(1,4687)	1:61:A:ASP:H	1:40:A:LEU:HD23	6	1.19
(1,4632)	1:61:B:ASP:H	1:60:B:LEU:HD23	16	1.19
(1,4631)	1:61:A:ASP:H	1:60:A:LEU:HD23	16	1.19
(1,4422)	1:42:B:PHE:HA	1:45:B:THR:HG21	1	1.19
(1,4421)	1:42:A:PHE:HA	1:45:A:THR:HG21	1	1.19
(1,4230)	1:91:B:CYS:HB2	1:14:A:ILE:HB	3	1.19
(1,4170)	1:16:B:SER:HB3	1:9:A:GLU:HB2	12	1.19
(1,4058)	1:18:B:ILE:HG22	1:91:A:CYS:HB3	19	1.19
(1,4057)	1:18:A:ILE:HG23	1:91:B:CYS:HB3	4	1.19
(1,4022)	1:49:B:ALA:HB2	1:91:B:CYS:HB2	16	1.19
(1,4011)	1:81:A:LEU:HD23	1:89:B:MET:HG3	15	1.19
(1,3984)	1:60:B:LEU:HD11	1:52:B:LYS:H	5	1.19
(1,3872)	1:76:B:ASP:H	1:75:B:LEU:HD12	4	1.19
(1,3871)	1:76:A:ASP:H	1:75:A:LEU:HD12	4	1.19
(1,3816)	1:42:B:PHE:HA	1:8:A:THR:HG21	5	1.19
(1,3816)	1:42:B:PHE:HA	1:8:A:THR:HG21	13	1.19
(1,3815)	1:42:A:PHE:HA	1:8:B:THR:HG21	5	1.19
(1,3815)	1:42:A:PHE:HA	1:8:B:THR:HG21	13	1.19
(1,3778)	1:57:B:PRO:HA	1:61:B:ASP:HB3	12	1.19
(1,3777)	1:57:A:PRO:HA	1:61:A:ASP:HB3	12	1.19
(1,3776)	1:49:B:ALA:HB2	1:87:B:LEU:HD23	4	1.19
(1,3776)	1:49:B:ALA:HB1	1:87:B:LEU:HD21	7	1.19
(1,3775)	1:49:A:ALA:HB2	1:87:A:LEU:HD23	4	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3775)	1:49:A:ALA:HB2	1:87:A:LEU:HD23	15	1.19
(1,3730)	1:18:B:ILE:HG21	1:16:B:SER:HA	8	1.19
(1,3729)	1:18:A:ILE:HG21	1:16:A:SER:HA	8	1.19
(1,3618)	1:37:B:THR:HB	1:34:B:LEU:HD21	1	1.19
(1,3617)	1:37:A:THR:HB	1:34:A:LEU:HD21	1	1.19
(1,3617)	1:37:A:THR:HB	1:34:A:LEU:HD23	11	1.19
(1,3558)	1:68:B:ASP:HA	1:33:B:THR:HG22	1	1.19
(1,3538)	1:34:B:LEU:HA	1:80:B:PHE:HB2	9	1.19
(1,3537)	1:34:A:LEU:HA	1:80:A:PHE:HB2	9	1.19
(1,3488)	1:10:B:THR:HB	1:81:A:LEU:HD21	9	1.19
(1,3424)	1:60:B:LEU:HB2	1:37:B:THR:HA	7	1.19
(1,3423)	1:60:A:LEU:HB2	1:37:A:THR:HA	4	1.19
(1,3423)	1:60:A:LEU:HB2	1:37:A:THR:HA	7	1.19
(1,3415)	1:83:A:LEU:HG	1:80:A:PHE:HB3	12	1.19
(1,3405)	1:9:A:GLU:HB3	1:17:B:LEU:HG	9	1.19
(1,3385)	1:83:A:LEU:HD23	1:11:B:GLU:HG2	7	1.19
(1,3363)	1:81:A:LEU:HD23	1:81:B:LEU:HA	3	1.19
(1,2138)	1:47:B:LEU:HB2	1:50:B:PHE:HB3	6	1.19
(1,2137)	1:47:A:LEU:HB2	1:50:A:PHE:HB3	6	1.19
(1,1596)	1:84:B:ILE:HB	1:81:B:LEU:HB2	12	1.19
(1,1596)	1:84:B:ILE:HB	1:81:B:LEU:HB2	13	1.19
(1,1595)	1:84:A:ILE:HB	1:81:A:LEU:HB2	12	1.19
(1,1595)	1:84:A:ILE:HB	1:81:A:LEU:HB2	13	1.19
(1,486)	1:59:B:VAL:H	1:62:B:ARG:HG2	17	1.19
(1,485)	1:59:A:VAL:H	1:62:A:ARG:HG2	17	1.19
(1,358)	1:73:B:GLY:HA2	1:72:B:ASP:HB2	7	1.19
(1,358)	1:73:B:GLY:HA2	1:72:B:ASP:HB2	20	1.19
(1,357)	1:73:A:GLY:HA2	1:72:A:ASP:HB2	7	1.19
(1,357)	1:73:A:GLY:HA2	1:72:A:ASP:HB2	20	1.19
(1,56)	1:17:B:LEU:HD11	1:13:A:CYS:HB2	19	1.19
(2,148)	1:89:B:MET:HG2	1:93:B:ASP:HB3	15	1.18
(2,148)	1:89:B:MET:HG2	1:93:B:ASP:HB3	20	1.18
(2,147)	1:89:A:MET:HG2	1:93:A:ASP:HB3	15	1.18
(2,146)	1:15:B:GLU:HG2	1:11:B:GLU:HG2	4	1.18
(2,145)	1:15:A:GLU:HG2	1:11:A:GLU:HG2	4	1.18
(2,144)	1:89:B:MET:HG2	1:93:B:ASP:HB3	15	1.18
(2,144)	1:89:B:MET:HG2	1:93:B:ASP:HB3	20	1.18
(2,143)	1:89:A:MET:HG2	1:93:A:ASP:HB3	15	1.18
(2,130)	1:89:B:MET:HG2	1:93:B:ASP:HB3	15	1.18
(2,130)	1:89:B:MET:HG2	1:93:B:ASP:HB3	20	1.18
(2,129)	1:89:A:MET:HG2	1:93:A:ASP:HB3	15	1.18
(2,60)	1:42:B:PHE:HB3	1:24:B:TYR:H	14	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,59)	1:42:A:PHE:HB3	1:24:A:TYR:H	14	1.18
(1,5536)	1:23:B:LYS:H	1:22:B:GLN:HG3	11	1.18
(1,5535)	1:23:A:LYS:H	1:22:A:GLN:HG2	14	1.18
(1,5386)	1:40:B:LEU:H	1:34:B:LEU:HD11	3	1.18
(1,5385)	1:40:A:LEU:H	1:34:A:LEU:HD11	3	1.18
(1,5218)	1:9:B:GLU:H	1:47:A:LEU:HD22	11	1.18
(1,5218)	1:9:B:GLU:H	1:47:A:LEU:HD21	13	1.18
(1,5216)	1:34:B:LEU:H	1:77:B:PHE:HB2	16	1.18
(1,5215)	1:34:A:LEU:H	1:77:A:PHE:HB2	16	1.18
(1,4696)	1:20:B:VAL:HG13	1:47:B:LEU:HD21	16	1.18
(1,4422)	1:42:B:PHE:HA	1:45:B:THR:HG21	8	1.18
(1,4422)	1:42:B:PHE:HA	1:45:B:THR:HG23	16	1.18
(1,4421)	1:42:A:PHE:HA	1:45:A:THR:HG23	16	1.18
(1,4370)	1:75:B:LEU:HB2	1:67:B:LEU:HD11	5	1.18
(1,4370)	1:75:B:LEU:HB2	1:67:B:LEU:HD13	20	1.18
(1,4369)	1:75:A:LEU:HB2	1:67:A:LEU:HD11	5	1.18
(1,4369)	1:75:A:LEU:HB2	1:67:A:LEU:HD13	20	1.18
(1,4230)	1:91:B:CYS:HB2	1:14:A:ILE:HB	14	1.18
(1,4186)	1:57:B:PRO:HG2	1:61:B:ASP:HB3	18	1.18
(1,4185)	1:57:A:PRO:HG2	1:61:A:ASP:HB3	18	1.18
(1,4094)	1:38:B:GLU:HB3	1:27:B:LYS:HE2	6	1.18
(1,4012)	1:81:B:LEU:HD23	1:89:A:MET:HG3	15	1.18
(1,3983)	1:60:A:LEU:HD11	1:52:A:LYS:H	5	1.18
(1,3872)	1:76:B:ASP:H	1:75:B:LEU:HD11	3	1.18
(1,3871)	1:76:A:ASP:H	1:75:A:LEU:HD11	3	1.18
(1,3815)	1:42:A:PHE:HA	1:8:B:THR:HG21	12	1.18
(1,3781)	1:16:A:SER:H	1:14:A:ILE:HD13	8	1.18
(1,3778)	1:57:B:PRO:HA	1:63:B:MET:HG3	4	1.18
(1,3777)	1:57:A:PRO:HA	1:63:A:MET:HG3	4	1.18
(1,3725)	1:46:A:GLU:HB2	1:20:A:VAL:HG13	6	1.18
(1,3720)	1:47:B:LEU:HD12	1:10:A:THR:H	9	1.18
(1,3558)	1:68:B:ASP:HA	1:33:B:THR:HG23	13	1.18
(1,3557)	1:68:A:ASP:HA	1:33:A:THR:HG22	1	1.18
(1,3557)	1:68:A:ASP:HA	1:33:A:THR:HG23	13	1.18
(1,3488)	1:10:B:THR:HB	1:81:A:LEU:HD22	12	1.18
(1,3487)	1:10:A:THR:HB	1:81:B:LEU:HD21	9	1.18
(1,3487)	1:10:A:THR:HB	1:81:B:LEU:HD22	12	1.18
(1,3487)	1:10:A:THR:HB	1:81:B:LEU:HD22	17	1.18
(1,3424)	1:60:B:LEU:HB2	1:37:B:THR:HA	10	1.18
(1,3423)	1:60:A:LEU:HB2	1:37:A:THR:HA	10	1.18
(1,3406)	1:9:B:GLU:HB3	1:17:A:LEU:HG	12	1.18
(1,3405)	1:9:A:GLU:HB3	1:17:B:LEU:HG	12	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3394)	1:81:B:LEU:HD12	1:87:A:LEU:HD13	9	1.18
(1,3390)	1:17:B:LEU:HD22	1:14:A:ILE:HD13	1	1.18
(1,3389)	1:17:A:LEU:HD22	1:14:B:ILE:HD13	1	1.18
(1,3364)	1:81:B:LEU:HD22	1:81:A:LEU:HA	1	1.18
(1,3363)	1:81:A:LEU:HD22	1:81:B:LEU:HA	1	1.18
(1,2138)	1:47:B:LEU:HB2	1:50:B:PHE:HB3	8	1.18
(1,2137)	1:47:A:LEU:HB2	1:50:A:PHE:HB3	8	1.18
(1,1595)	1:84:A:ILE:HB	1:81:A:LEU:HB2	1	1.18
(1,358)	1:73:B:GLY:HA2	1:72:B:ASP:HB2	10	1.18
(1,357)	1:73:A:GLY:HA2	1:72:A:ASP:HB2	10	1.18
(1,90)	1:15:B:GLU:HB2	1:9:A:GLU:HG3	4	1.18
(1,88)	1:15:B:GLU:HB2	1:9:A:GLU:HG3	4	1.18
(2,146)	1:15:B:GLU:HG2	1:11:B:GLU:HG2	11	1.17
(2,145)	1:15:A:GLU:HG2	1:11:A:GLU:HG2	11	1.17
(1,5650)	1:18:B:ILE:H	1:17:B:LEU:HD12	3	1.17
(1,5650)	1:18:B:ILE:H	1:17:B:LEU:HD12	16	1.17
(1,5649)	1:18:A:ILE:H	1:17:A:LEU:HD12	3	1.17
(1,5649)	1:18:A:ILE:H	1:17:A:LEU:HD12	16	1.17
(1,5385)	1:40:A:LEU:H	1:34:A:LEU:HD11	9	1.17
(1,5274)	1:77:B:PHE:H	1:81:B:LEU:HD13	2	1.17
(1,5273)	1:77:A:PHE:H	1:81:A:LEU:HD13	2	1.17
(1,5195)	1:73:A:GLY:H	1:69:A:THR:HG22	18	1.17
(1,4937)	1:10:A:THR:HG23	1:87:B:LEU:HD21	2	1.17
(1,4695)	1:20:A:VAL:HG13	1:47:A:LEU:HD21	16	1.17
(1,4421)	1:42:A:PHE:HA	1:45:A:THR:HG21	8	1.17
(1,4229)	1:91:A:CYS:HB2	1:14:B:ILE:HB	14	1.17
(1,4213)	1:98:A:ALA:H	1:97:A:LYS:HD3	11	1.17
(1,4196)	1:52:B:LYS:HD2	1:44:B:ASN:HB3	20	1.17
(1,4120)	1:46:B:GLU:HB3	1:87:B:LEU:HD13	3	1.17
(1,4119)	1:46:A:GLU:HB3	1:87:A:LEU:HD13	3	1.17
(1,4093)	1:38:A:GLU:HB3	1:27:A:LYS:HE2	6	1.17
(1,4012)	1:81:B:LEU:HD22	1:89:A:MET:HG3	13	1.17
(1,4011)	1:81:A:LEU:HD22	1:89:B:MET:HG3	13	1.17
(1,3966)	1:15:B:GLU:HB2	1:12:B:ARG:HD3	19	1.17
(1,3965)	1:15:A:GLU:HB2	1:12:A:ARG:HD3	19	1.17
(1,3926)	1:9:B:GLU:HB3	1:13:B:CYS:HB3	1	1.17
(1,3925)	1:9:A:GLU:HB3	1:13:A:CYS:HB3	1	1.17
(1,3872)	1:76:B:ASP:H	1:75:B:LEU:HD11	15	1.17
(1,3871)	1:76:A:ASP:H	1:75:A:LEU:HD11	15	1.17
(1,3816)	1:42:B:PHE:HA	1:8:A:THR:HG21	12	1.17
(1,3782)	1:16:B:SER:H	1:14:B:ILE:HD13	8	1.17
(1,3782)	1:16:B:SER:H	1:14:B:ILE:HD13	11	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3781)	1:16:A:SER:H	1:14:A:ILE:HD13	11	1.17
(1,3778)	1:57:B:PRO:HA	1:61:B:ASP:HB3	5	1.17
(1,3777)	1:57:A:PRO:HA	1:61:A:ASP:HB3	5	1.17
(1,3775)	1:49:A:ALA:HB1	1:87:A:LEU:HD21	7	1.17
(1,3726)	1:46:B:GLU:HB2	1:20:B:VAL:HG13	6	1.17
(1,3720)	1:47:B:LEU:HD11	1:10:A:THR:H	2	1.17
(1,3538)	1:39:B:PHE:HB3	1:34:B:LEU:HA	4	1.17
(1,3538)	1:39:B:PHE:HB3	1:34:B:LEU:HA	17	1.17
(1,3537)	1:39:A:PHE:HB3	1:34:A:LEU:HA	4	1.17
(1,3537)	1:39:A:PHE:HB3	1:34:A:LEU:HA	17	1.17
(1,3488)	1:10:B:THR:HB	1:81:A:LEU:HD22	3	1.17
(1,3416)	1:83:B:LEU:HG	1:80:B:PHE:HB3	19	1.17
(1,3415)	1:83:A:LEU:HG	1:80:A:PHE:HB3	19	1.17
(1,3406)	1:15:B:GLU:HB3	1:102:A:GLN:HG3	20	1.17
(1,3405)	1:15:A:GLU:HB3	1:102:B:GLN:HG3	20	1.17
(1,3396)	1:81:B:LEU:HD13	1:17:A:LEU:HD11	10	1.17
(1,3396)	1:81:B:LEU:HD11	1:17:A:LEU:HD13	20	1.17
(1,3395)	1:81:A:LEU:HD13	1:17:B:LEU:HD11	10	1.17
(1,3395)	1:81:A:LEU:HD11	1:17:B:LEU:HD13	20	1.17
(1,3371)	1:10:A:THR:HG23	1:87:B:LEU:HD21	2	1.17
(1,2138)	1:47:B:LEU:HB2	1:50:B:PHE:HB2	5	1.17
(1,1596)	1:84:B:ILE:HB	1:81:B:LEU:HB2	1	1.17
(1,1596)	1:84:B:ILE:HB	1:81:B:LEU:HB2	14	1.17
(1,1596)	1:84:B:ILE:HB	1:81:B:LEU:HB2	16	1.17
(1,1596)	1:84:B:ILE:HB	1:81:B:LEU:HB2	18	1.17
(1,1595)	1:84:A:ILE:HB	1:81:A:LEU:HB2	14	1.17
(1,1595)	1:84:A:ILE:HB	1:81:A:LEU:HB2	16	1.17
(1,1595)	1:84:A:ILE:HB	1:81:A:LEU:HB2	18	1.17
(1,358)	1:73:B:GLY:HA2	1:72:B:ASP:HB2	2	1.17
(1,358)	1:73:B:GLY:HA2	1:72:B:ASP:HB2	9	1.17
(1,358)	1:73:B:GLY:HA2	1:72:B:ASP:HB2	11	1.17
(1,357)	1:73:A:GLY:HA2	1:72:A:ASP:HB2	9	1.17
(1,357)	1:73:A:GLY:HA2	1:72:A:ASP:HB2	11	1.17
(1,145)	1:78:A:SER:HB2	1:81:A:LEU:HB3	8	1.17
(1,89)	1:15:A:GLU:HB2	1:9:B:GLU:HG3	4	1.17
(1,87)	1:15:A:GLU:HB2	1:9:B:GLU:HG3	4	1.17
(1,5590)	1:19:B:ALA:H	1:17:B:LEU:HD13	6	1.16
(1,5589)	1:19:A:ALA:H	1:17:A:LEU:HD13	6	1.16
(1,5386)	1:40:B:LEU:H	1:75:B:LEU:HD11	9	1.16
(1,5196)	1:73:B:GLY:H	1:69:B:THR:HG22	18	1.16
(1,4938)	1:10:B:THR:HG23	1:87:A:LEU:HD21	2	1.16
(1,4678)	1:39:B:PHE:HA	1:46:B:GLU:HB2	4	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4677)	1:39:A:PHE:HA	1:46:A:GLU:HB2	4	1.16
(1,4214)	1:98:B:ALA:H	1:97:B:LYS:HD3	11	1.16
(1,4195)	1:52:A:LYS:HD2	1:44:A:ASN:HB3	20	1.16
(1,4186)	1:7:B:PRO:HG2	1:11:B:GLU:HG2	11	1.16
(1,4185)	1:7:A:PRO:HG2	1:11:A:GLU:HG2	19	1.16
(1,4057)	1:18:A:ILE:HG22	1:91:B:CYS:HB3	19	1.16
(1,4030)	1:73:B:GLY:HA3	1:36:B:LYS:HD3	3	1.16
(1,4030)	1:73:B:GLY:HA3	1:36:B:LYS:HD2	7	1.16
(1,4030)	1:73:B:GLY:HA3	1:36:B:LYS:HD2	9	1.16
(1,4029)	1:73:A:GLY:HA3	1:36:A:LYS:HD3	3	1.16
(1,4029)	1:73:A:GLY:HA3	1:36:A:LYS:HD2	7	1.16
(1,4029)	1:73:A:GLY:HA3	1:36:A:LYS:HD2	9	1.16
(1,3954)	1:77:B:PHE:HB2	1:17:B:LEU:HB3	19	1.16
(1,3953)	1:68:A:ASP:HB3	1:75:A:LEU:HB3	6	1.16
(1,3953)	1:77:A:PHE:HB2	1:17:A:LEU:HB3	19	1.16
(1,3898)	1:10:B:THR:HA	1:14:B:ILE:HB	13	1.16
(1,3897)	1:10:A:THR:HA	1:14:A:ILE:HB	13	1.16
(1,3871)	1:76:A:ASP:H	1:75:A:LEU:HD13	13	1.16
(1,3850)	1:39:B:PHE:HB2	1:40:B:LEU:HG	16	1.16
(1,3849)	1:39:A:PHE:HB2	1:40:A:LEU:HG	16	1.16
(1,3838)	1:75:B:LEU:HB3	1:33:B:THR:HA	9	1.16
(1,3837)	1:75:A:LEU:HB3	1:33:A:THR:HA	9	1.16
(1,3782)	1:16:B:SER:H	1:14:B:ILE:HD11	20	1.16
(1,3781)	1:16:A:SER:H	1:14:A:ILE:HD11	20	1.16
(1,3776)	1:49:B:ALA:HB1	1:87:B:LEU:HD23	17	1.16
(1,3750)	1:49:B:ALA:HB2	1:87:B:LEU:HD21	2	1.16
(1,3734)	1:90:B:ALA:HA	1:87:B:LEU:HD23	7	1.16
(1,3733)	1:90:A:ALA:HA	1:87:A:LEU:HD23	7	1.16
(1,3719)	1:47:A:LEU:HD11	1:10:B:THR:H	2	1.16
(1,3719)	1:47:A:LEU:HD12	1:10:B:THR:H	7	1.16
(1,3719)	1:47:A:LEU:HD12	1:10:B:THR:H	9	1.16
(1,3694)	1:62:B:ARG:HD3	1:59:B:VAL:HG12	5	1.16
(1,3693)	1:62:A:ARG:HD3	1:59:A:VAL:HG12	5	1.16
(1,3656)	1:48:B:ALA:HB1	1:46:B:GLU:HG2	6	1.16
(1,3655)	1:48:A:ALA:HB1	1:46:A:GLU:HG2	6	1.16
(1,3618)	1:37:B:THR:HB	1:34:B:LEU:HD22	8	1.16
(1,3618)	1:37:B:THR:HB	1:34:B:LEU:HD23	9	1.16
(1,3600)	1:37:B:THR:HG23	1:40:B:LEU:HA	12	1.16
(1,3599)	1:37:A:THR:HG23	1:40:A:LEU:HA	12	1.16
(1,3538)	1:39:B:PHE:HB3	1:34:B:LEU:HA	13	1.16
(1,3537)	1:39:A:PHE:HB3	1:34:A:LEU:HA	13	1.16
(1,3488)	1:10:B:THR:HB	1:81:A:LEU:HD23	10	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3487)	1:10:A:THR:HB	1:81:B:LEU:HD23	10	1.16
(1,3424)	1:60:B:LEU:HB2	1:37:B:THR:HA	11	1.16
(1,3423)	1:60:A:LEU:HB2	1:37:A:THR:HA	11	1.16
(1,3416)	1:83:B:LEU:HG	1:82:B:ASN:HB2	5	1.16
(1,3415)	1:83:A:LEU:HG	1:82:A:ASN:HB2	5	1.16
(1,3405)	1:9:A:GLU:HB3	1:17:B:LEU:HG	18	1.16
(1,3393)	1:81:A:LEU:HD12	1:87:B:LEU:HD13	9	1.16
(1,3372)	1:10:B:THR:HG23	1:87:A:LEU:HD21	2	1.16
(1,3364)	1:81:B:LEU:HD22	1:81:A:LEU:HA	13	1.16
(1,3363)	1:81:A:LEU:HD22	1:81:B:LEU:HA	13	1.16
(1,3348)	1:14:B:ILE:HD12	1:47:A:LEU:HB2	12	1.16
(1,2138)	1:47:B:LEU:HB2	1:50:B:PHE:HB3	13	1.16
(1,2137)	1:47:A:LEU:HB2	1:50:A:PHE:HB2	5	1.16
(1,2137)	1:47:A:LEU:HB2	1:50:A:PHE:HB3	13	1.16
(1,1596)	1:84:B:ILE:HB	1:81:B:LEU:HB2	10	1.16
(1,1595)	1:84:A:ILE:HB	1:81:A:LEU:HB2	10	1.16
(1,828)	1:40:B:LEU:HA	1:39:B:PHE:HB2	17	1.16
(1,827)	1:40:A:LEU:HA	1:39:A:PHE:HB2	17	1.16
(1,358)	1:73:B:GLY:HA2	1:72:B:ASP:HB2	4	1.16
(1,358)	1:73:B:GLY:HA2	1:72:B:ASP:HB2	8	1.16
(1,357)	1:73:A:GLY:HA2	1:72:A:ASP:HB2	2	1.16
(1,224)	1:34:B:LEU:HB2	1:39:B:PHE:HB3	7	1.16
(1,223)	1:34:A:LEU:HB2	1:39:A:PHE:HB3	7	1.16
(1,146)	1:78:B:SER:HB2	1:81:B:LEU:HB3	8	1.16
(1,55)	1:17:A:LEU:HD13	1:13:B:CYS:HB2	3	1.16
(1,5404)	1:12:B:ARG:H	1:14:B:ILE:HD12	6	1.15
(1,5217)	1:9:A:GLU:H	1:47:B:LEU:HD21	13	1.15
(1,5217)	1:9:A:GLU:H	1:47:B:LEU:HD22	16	1.15
(1,5213)	1:77:A:PHE:H	1:81:A:LEU:HB2	4	1.15
(1,4938)	1:10:B:THR:HG21	1:87:A:LEU:HD23	18	1.15
(1,4840)	1:68:B:ASP:HB2	1:72:B:ASP:HB2	14	1.15
(1,4839)	1:68:A:ASP:HB2	1:72:A:ASP:HB2	14	1.15
(1,4742)	1:60:B:LEU:HD11	1:60:B:LEU:HA	6	1.15
(1,4741)	1:60:A:LEU:HD11	1:60:A:LEU:HA	6	1.15
(1,4696)	1:20:B:VAL:HG13	1:47:B:LEU:HD22	6	1.15
(1,4695)	1:20:A:VAL:HG13	1:47:A:LEU:HD22	6	1.15
(1,4632)	1:61:B:ASP:H	1:60:B:LEU:HD21	8	1.15
(1,4631)	1:61:A:ASP:H	1:60:A:LEU:HD21	8	1.15
(1,4604)	1:47:B:LEU:HD12	1:42:B:PHE:HA	13	1.15
(1,4603)	1:47:A:LEU:HD12	1:42:A:PHE:HA	13	1.15
(1,4370)	1:75:B:LEU:HB2	1:67:B:LEU:HD13	15	1.15
(1,4369)	1:75:A:LEU:HB2	1:67:A:LEU:HD13	15	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4328)	1:15:B:GLU:HG3	1:88:A:ALA:HB2	5	1.15
(1,4214)	1:66:B:LYS:H	1:65:B:LYS:HD3	3	1.15
(1,4213)	1:66:A:LYS:H	1:65:A:LYS:HD3	10	1.15
(1,4186)	1:7:B:PRO:HG2	1:11:B:GLU:HG2	19	1.15
(1,4185)	1:7:A:PRO:HG2	1:11:A:GLU:HG2	11	1.15
(1,4058)	1:18:B:ILE:HG23	1:91:A:CYS:HB3	4	1.15
(1,4008)	1:12:B:ARG:H	1:14:B:ILE:HD12	16	1.15
(1,4007)	1:12:A:ARG:H	1:14:A:ILE:HD12	16	1.15
(1,3954)	1:68:B:ASP:HB3	1:75:B:LEU:HB3	6	1.15
(1,3872)	1:39:B:PHE:H	1:34:B:LEU:HD11	2	1.15
(1,3872)	1:76:B:ASP:H	1:75:B:LEU:HD13	13	1.15
(1,3871)	1:39:A:PHE:H	1:34:A:LEU:HD11	2	1.15
(1,3871)	1:75:A:LEU:HD13	1:39:A:PHE:H	6	1.15
(1,3815)	1:42:A:PHE:HA	1:8:B:THR:HG22	19	1.15
(1,3782)	1:16:B:SER:H	1:14:B:ILE:HD11	2	1.15
(1,3781)	1:16:A:SER:H	1:14:A:ILE:HD11	2	1.15
(1,3775)	1:49:A:ALA:HB1	1:87:A:LEU:HD23	17	1.15
(1,3750)	1:49:B:ALA:HB1	1:87:B:LEU:HD21	3	1.15
(1,3750)	1:49:B:ALA:HB1	1:87:B:LEU:HD21	9	1.15
(1,3749)	1:49:A:ALA:HB2	1:87:A:LEU:HD21	2	1.15
(1,3749)	1:49:A:ALA:HB1	1:87:A:LEU:HD21	3	1.15
(1,3749)	1:49:A:ALA:HB1	1:87:A:LEU:HD21	9	1.15
(1,3725)	1:46:A:GLU:HB2	1:20:A:VAL:HG13	16	1.15
(1,3719)	1:47:A:LEU:HD12	1:10:B:THR:H	3	1.15
(1,3694)	1:62:B:ARG:HD3	1:59:B:VAL:HG11	6	1.15
(1,3693)	1:62:A:ARG:HD3	1:59:A:VAL:HG11	6	1.15
(1,3617)	1:37:A:THR:HB	1:34:A:LEU:HD22	8	1.15
(1,3617)	1:37:A:THR:HB	1:34:A:LEU:HD23	9	1.15
(1,3524)	1:73:B:GLY:HA3	1:64:B:MET:HG2	15	1.15
(1,3523)	1:73:A:GLY:HA3	1:64:A:MET:HG2	15	1.15
(1,3488)	1:10:B:THR:HB	1:81:A:LEU:HD22	17	1.15
(1,3416)	1:83:B:LEU:HG	1:66:B:LYS:HE3	11	1.15
(1,3416)	1:83:B:LEU:HG	1:82:B:ASN:HB2	14	1.15
(1,3416)	1:83:B:LEU:HG	1:82:B:ASN:HB2	16	1.15
(1,3415)	1:83:A:LEU:HG	1:66:A:LYS:HE3	11	1.15
(1,3415)	1:83:A:LEU:HG	1:82:A:ASN:HB2	14	1.15
(1,3406)	1:9:B:GLU:HB3	1:17:A:LEU:HG	18	1.15
(1,3390)	1:17:B:LEU:HD21	1:14:A:ILE:HD13	18	1.15
(1,3389)	1:17:A:LEU:HD21	1:14:B:ILE:HD13	18	1.15
(1,3386)	1:83:B:LEU:HD23	1:11:A:GLU:HG2	7	1.15
(1,3385)	1:83:A:LEU:HD21	1:11:B:GLU:HG2	9	1.15
(1,3372)	1:10:B:THR:HG21	1:87:A:LEU:HD23	18	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3362)	1:19:B:ALA:HB1	1:9:A:GLU:HA	2	1.15
(1,3361)	1:19:A:ALA:HB1	1:9:B:GLU:HA	2	1.15
(1,3360)	1:19:B:ALA:HB1	1:9:A:GLU:HA	2	1.15
(1,3359)	1:19:A:ALA:HB1	1:9:B:GLU:HA	2	1.15
(1,3347)	1:14:A:ILE:HD12	1:47:B:LEU:HB2	12	1.15
(1,1628)	1:24:B:TYR:HB3	1:42:B:PHE:HB3	6	1.15
(1,1627)	1:24:A:TYR:HB3	1:42:A:PHE:HB3	6	1.15
(1,1596)	1:84:B:ILE:HB	1:81:B:LEU:HB2	2	1.15
(1,1596)	1:84:B:ILE:HB	1:81:B:LEU:HB2	3	1.15
(1,1596)	1:84:B:ILE:HB	1:81:B:LEU:HB2	5	1.15
(1,1595)	1:84:A:ILE:HB	1:81:A:LEU:HB2	2	1.15
(1,1595)	1:84:A:ILE:HB	1:81:A:LEU:HB2	5	1.15
(1,828)	1:40:B:LEU:HA	1:39:B:PHE:HB2	7	1.15
(1,827)	1:40:A:LEU:HA	1:39:A:PHE:HB2	7	1.15
(1,744)	1:13:B:CYS:HB3	1:10:B:THR:HG21	19	1.15
(1,743)	1:13:A:CYS:HB3	1:10:A:THR:HG21	19	1.15
(1,636)	1:62:B:ARG:HG2	1:61:B:ASP:HB2	5	1.15
(1,636)	1:62:B:ARG:HG2	1:61:B:ASP:HB2	12	1.15
(1,635)	1:62:A:ARG:HG2	1:61:A:ASP:HB2	5	1.15
(1,358)	1:73:B:GLY:HA2	1:72:B:ASP:HB2	15	1.15
(1,357)	1:73:A:GLY:HA2	1:72:A:ASP:HB2	4	1.15
(1,357)	1:73:A:GLY:HA2	1:72:A:ASP:HB2	8	1.15
(1,357)	1:73:A:GLY:HA2	1:72:A:ASP:HB2	15	1.15
(1,90)	1:15:B:GLU:HB2	1:9:A:GLU:HG3	12	1.15
(1,89)	1:15:A:GLU:HB2	1:9:B:GLU:HG3	12	1.15
(1,88)	1:15:B:GLU:HB2	1:9:A:GLU:HG3	12	1.15
(1,87)	1:15:A:GLU:HB2	1:9:B:GLU:HG3	12	1.15
(1,55)	1:17:A:LEU:HD13	1:13:B:CYS:HB2	20	1.15
(2,148)	1:89:B:MET:HG2	1:93:B:ASP:HB3	2	1.14
(2,147)	1:89:A:MET:HG2	1:93:A:ASP:HB3	2	1.14
(2,144)	1:89:B:MET:HG2	1:93:B:ASP:HB3	2	1.14
(2,143)	1:89:A:MET:HG2	1:93:A:ASP:HB3	2	1.14
(2,130)	1:89:B:MET:HG2	1:93:B:ASP:HB3	2	1.14
(2,129)	1:89:A:MET:HG2	1:93:A:ASP:HB3	2	1.14
(1,5535)	1:23:A:LYS:H	1:22:A:GLN:HG2	2	1.14
(1,5404)	1:12:B:ARG:H	1:14:B:ILE:HD12	18	1.14
(1,5403)	1:12:A:ARG:H	1:14:A:ILE:HD12	6	1.14
(1,5403)	1:12:A:ARG:H	1:14:A:ILE:HD12	18	1.14
(1,5346)	1:51:B:THR:H	1:47:B:LEU:HD22	3	1.14
(1,5345)	1:51:A:THR:H	1:47:A:LEU:HD22	3	1.14
(1,5332)	1:21:B:PHE:H	1:18:B:ILE:HG22	4	1.14
(1,5331)	1:21:A:PHE:H	1:18:A:ILE:HG22	4	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5218)	1:9:B:GLU:H	1:47:A:LEU:HD22	16	1.14
(1,5217)	1:9:A:GLU:H	1:47:B:LEU:HD22	8	1.14
(1,5214)	1:77:B:PHE:H	1:81:B:LEU:HB2	4	1.14
(1,4937)	1:10:A:THR:HG21	1:87:B:LEU:HD23	18	1.14
(1,4840)	1:68:B:ASP:HB2	1:72:B:ASP:HB2	4	1.14
(1,4757)	1:60:A:LEU:HD13	1:47:A:LEU:H	3	1.14
(1,4628)	1:60:B:LEU:HD22	1:47:B:LEU:H	14	1.14
(1,4627)	1:60:A:LEU:HD22	1:47:A:LEU:H	14	1.14
(1,4438)	1:25:B:ALA:HB2	1:24:B:TYR:HB3	3	1.14
(1,4437)	1:25:A:ALA:HB2	1:24:A:TYR:HB3	3	1.14
(1,4394)	1:17:B:LEU:HB2	1:15:B:GLU:HG3	5	1.14
(1,4354)	1:12:B:ARG:HB2	1:17:B:LEU:H	16	1.14
(1,4353)	1:12:A:ARG:HB2	1:17:A:LEU:H	16	1.14
(1,4298)	1:44:B:ASN:HA	1:47:B:LEU:HD12	4	1.14
(1,4297)	1:44:A:ASN:HA	1:47:A:LEU:HD12	4	1.14
(1,4214)	1:66:B:LYS:H	1:65:B:LYS:HD3	10	1.14
(1,4213)	1:66:A:LYS:H	1:65:A:LYS:HD3	3	1.14
(1,4120)	1:46:B:GLU:HB3	1:87:B:LEU:HD13	8	1.14
(1,4119)	1:46:A:GLU:HB3	1:87:A:LEU:HD13	8	1.14
(1,4008)	1:12:B:ARG:H	1:14:B:ILE:HD11	2	1.14
(1,4008)	1:12:B:ARG:H	1:14:B:ILE:HD12	3	1.14
(1,4008)	1:12:B:ARG:H	1:14:B:ILE:HD11	5	1.14
(1,4008)	1:12:B:ARG:H	1:14:B:ILE:HD13	8	1.14
(1,4008)	1:12:B:ARG:H	1:14:B:ILE:HD12	12	1.14
(1,4007)	1:12:A:ARG:H	1:14:A:ILE:HD11	2	1.14
(1,4007)	1:12:A:ARG:H	1:14:A:ILE:HD12	3	1.14
(1,4007)	1:12:A:ARG:H	1:14:A:ILE:HD11	5	1.14
(1,4007)	1:12:A:ARG:H	1:14:A:ILE:HD13	8	1.14
(1,4007)	1:12:A:ARG:H	1:14:A:ILE:HD12	12	1.14
(1,3960)	1:99:B:VAL:HG13	1:100:B:PRO:HD2	2	1.14
(1,3959)	1:99:A:VAL:HG13	1:100:A:PRO:HD2	2	1.14
(1,3959)	1:99:A:VAL:HG11	1:100:A:PRO:HD2	13	1.14
(1,3926)	1:9:B:GLU:HB3	1:13:B:CYS:HB3	18	1.14
(1,3925)	1:9:A:GLU:HB3	1:13:A:CYS:HB3	18	1.14
(1,3872)	1:75:B:LEU:HD13	1:39:B:PHE:H	6	1.14
(1,3850)	1:34:B:LEU:HB2	1:39:B:PHE:HB2	12	1.14
(1,3849)	1:34:A:LEU:HB2	1:39:A:PHE:HB2	12	1.14
(1,3781)	1:16:A:SER:H	1:14:A:ILE:HD12	17	1.14
(1,3750)	1:49:B:ALA:HB2	1:87:B:LEU:HD23	4	1.14
(1,3750)	1:49:B:ALA:HB2	1:87:B:LEU:HD23	15	1.14
(1,3730)	1:18:B:ILE:HG22	1:95:A:PHE:HA	1	1.14
(1,3730)	1:18:B:ILE:HG21	1:95:A:PHE:HA	10	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3729)	1:18:A:ILE:HG22	1:95:B:PHE:HA	1	1.14
(1,3729)	1:18:A:ILE:HG21	1:95:B:PHE:HA	10	1.14
(1,3726)	1:46:B:GLU:HB2	1:20:B:VAL:HG13	2	1.14
(1,3726)	1:46:B:GLU:HB2	1:20:B:VAL:HG13	16	1.14
(1,3725)	1:46:A:GLU:HB2	1:20:A:VAL:HG13	2	1.14
(1,3720)	1:47:B:LEU:HD12	1:10:A:THR:H	7	1.14
(1,3693)	1:12:A:ARG:HD2	1:10:A:THR:HG21	2	1.14
(1,3562)	1:76:B:ASP:HA	1:34:B:LEU:HD13	17	1.14
(1,3561)	1:76:A:ASP:HA	1:34:A:LEU:HD13	17	1.14
(1,3487)	1:10:A:THR:HB	1:81:B:LEU:HD22	3	1.14
(1,3416)	1:83:B:LEU:HG	1:82:B:ASN:HB2	13	1.14
(1,3415)	1:83:A:LEU:HG	1:82:A:ASN:HB2	13	1.14
(1,3415)	1:83:A:LEU:HG	1:82:A:ASN:HB2	16	1.14
(1,3371)	1:10:A:THR:HG21	1:87:B:LEU:HD23	18	1.14
(1,3364)	1:81:B:LEU:HD23	1:81:A:LEU:HA	11	1.14
(1,3363)	1:81:A:LEU:HD23	1:81:B:LEU:HA	11	1.14
(1,3348)	1:14:B:ILE:HD12	1:47:A:LEU:HB2	5	1.14
(1,3347)	1:14:A:ILE:HD12	1:47:B:LEU:HB2	5	1.14
(1,1596)	1:84:B:ILE:HB	1:81:B:LEU:HB2	8	1.14
(1,1595)	1:84:A:ILE:HB	1:81:A:LEU:HB2	3	1.14
(1,1595)	1:84:A:ILE:HB	1:81:A:LEU:HB2	8	1.14
(1,948)	1:13:B:CYS:HB2	1:10:B:THR:HG22	4	1.14
(1,948)	1:13:B:CYS:HB2	1:10:B:THR:HG23	12	1.14
(1,947)	1:13:A:CYS:HB2	1:10:A:THR:HG22	4	1.14
(1,947)	1:13:A:CYS:HB2	1:10:A:THR:HG23	12	1.14
(1,744)	1:13:B:CYS:HB3	1:10:B:THR:HG22	2	1.14
(1,743)	1:13:A:CYS:HB3	1:10:A:THR:HG22	2	1.14
(1,714)	1:16:B:SER:HB3	1:17:B:LEU:HD21	4	1.14
(1,713)	1:16:A:SER:HB3	1:17:A:LEU:HD21	4	1.14
(1,635)	1:62:A:ARG:HG2	1:61:A:ASP:HB2	12	1.14
(1,486)	1:59:B:VAL:H	1:62:B:ARG:HG2	9	1.14
(1,485)	1:59:A:VAL:H	1:62:A:ARG:HG2	9	1.14
(1,224)	1:34:B:LEU:HB2	1:39:B:PHE:HB3	4	1.14
(1,223)	1:34:A:LEU:HB2	1:39:A:PHE:HB3	4	1.14
(1,56)	1:17:B:LEU:HD13	1:13:A:CYS:HB2	20	1.14
(2,148)	1:89:B:MET:HG2	1:93:B:ASP:HB3	11	1.13
(2,144)	1:89:B:MET:HG2	1:93:B:ASP:HB3	11	1.13
(2,130)	1:89:B:MET:HG2	1:93:B:ASP:HB3	11	1.13
(1,5536)	1:23:B:LYS:H	1:22:B:GLN:HG2	2	1.13
(1,5536)	1:23:B:LYS:H	1:22:B:GLN:HG2	16	1.13
(1,5535)	1:23:A:LYS:H	1:22:A:GLN:HG2	16	1.13
(1,5462)	1:45:B:THR:H	1:51:B:THR:HG21	2	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5461)	1:45:A:THR:H	1:51:A:THR:HG21	2	1.13
(1,5214)	1:77:B:PHE:H	1:81:B:LEU:HB2	1	1.13
(1,5214)	1:77:B:PHE:H	1:81:B:LEU:HB2	9	1.13
(1,5213)	1:77:A:PHE:H	1:81:A:LEU:HB2	1	1.13
(1,5213)	1:77:A:PHE:H	1:81:A:LEU:HB2	9	1.13
(1,4839)	1:68:A:ASP:HB2	1:72:A:ASP:HB2	4	1.13
(1,4826)	1:88:B:ALA:HB1	1:89:B:MET:HB2	10	1.13
(1,4825)	1:88:A:ALA:HB1	1:89:A:MET:HB2	10	1.13
(1,4758)	1:60:B:LEU:HD13	1:47:B:LEU:H	3	1.13
(1,4438)	1:22:B:GLN:HG3	1:25:B:ALA:HB1	9	1.13
(1,4437)	1:22:A:GLN:HG3	1:25:A:ALA:HB1	9	1.13
(1,4422)	1:42:B:PHE:HA	1:45:B:THR:HG21	2	1.13
(1,4422)	1:42:B:PHE:HA	1:45:B:THR:HG22	14	1.13
(1,4421)	1:42:A:PHE:HA	1:45:A:THR:HG22	14	1.13
(1,4327)	1:15:A:GLU:HG3	1:88:B:ALA:HB2	5	1.13
(1,4253)	1:15:A:GLU:HG2	1:88:B:ALA:HB1	4	1.13
(1,4030)	1:73:B:GLY:HA3	1:36:B:LYS:HD3	10	1.13
(1,4029)	1:73:A:GLY:HA3	1:36:A:LYS:HD3	10	1.13
(1,4008)	1:12:B:ARG:H	1:14:B:ILE:HD11	15	1.13
(1,4007)	1:12:A:ARG:H	1:14:A:ILE:HD11	15	1.13
(1,3984)	1:60:B:LEU:HD13	1:52:B:LYS:H	6	1.13
(1,3984)	1:60:B:LEU:HD13	1:52:B:LYS:H	13	1.13
(1,3983)	1:60:A:LEU:HD13	1:52:A:LYS:H	13	1.13
(1,3960)	1:99:B:VAL:HG11	1:100:B:PRO:HD2	9	1.13
(1,3960)	1:99:B:VAL:HG11	1:100:B:PRO:HD2	13	1.13
(1,3960)	1:99:B:VAL:HG11	1:100:B:PRO:HD2	16	1.13
(1,3959)	1:99:A:VAL:HG11	1:100:A:PRO:HD2	9	1.13
(1,3959)	1:99:A:VAL:HG11	1:100:A:PRO:HD2	16	1.13
(1,3926)	1:9:B:GLU:HB3	1:13:B:CYS:HB3	9	1.13
(1,3925)	1:9:A:GLU:HB3	1:13:A:CYS:HB3	9	1.13
(1,3925)	1:9:A:GLU:HB3	1:13:A:CYS:HB3	13	1.13
(1,3816)	1:42:B:PHE:HA	1:8:A:THR:HG22	16	1.13
(1,3815)	1:42:A:PHE:HA	1:8:B:THR:HG22	16	1.13
(1,3782)	1:16:B:SER:H	1:14:B:ILE:HD11	15	1.13
(1,3782)	1:16:B:SER:H	1:14:B:ILE:HD12	17	1.13
(1,3781)	1:16:A:SER:H	1:14:A:ILE:HD11	15	1.13
(1,3776)	1:49:B:ALA:HB1	1:87:B:LEU:HD22	1	1.13
(1,3775)	1:49:A:ALA:HB1	1:87:A:LEU:HD22	1	1.13
(1,3750)	1:49:B:ALA:HB1	1:87:B:LEU:HD21	7	1.13
(1,3749)	1:49:A:ALA:HB2	1:87:A:LEU:HD23	4	1.13
(1,3749)	1:49:A:ALA:HB2	1:87:A:LEU:HD23	15	1.13
(1,3720)	1:47:B:LEU:HD12	1:10:A:THR:H	3	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3704)	1:39:B:PHE:HB2	1:75:B:LEU:HB3	3	1.13
(1,3703)	1:39:A:PHE:HB2	1:75:A:LEU:HB3	3	1.13
(1,3694)	1:12:B:ARG:HD2	1:10:B:THR:HG21	2	1.13
(1,3618)	1:37:B:THR:HB	1:34:B:LEU:HD21	12	1.13
(1,3618)	1:37:B:THR:HB	1:34:B:LEU:HD21	16	1.13
(1,3617)	1:37:A:THR:HB	1:34:A:LEU:HD22	5	1.13
(1,3617)	1:37:A:THR:HB	1:34:A:LEU:HD21	12	1.13
(1,3617)	1:37:A:THR:HB	1:34:A:LEU:HD21	16	1.13
(1,3558)	1:68:B:ASP:HA	1:33:B:THR:HG22	11	1.13
(1,3557)	1:68:A:ASP:HA	1:33:A:THR:HG22	11	1.13
(1,3458)	1:11:B:GLU:HA	1:12:B:ARG:HD3	9	1.13
(1,3457)	1:11:A:GLU:HA	1:12:A:ARG:HD3	9	1.13
(1,3348)	1:14:B:ILE:HD11	1:47:A:LEU:HB2	14	1.13
(1,3347)	1:14:A:ILE:HD11	1:47:B:LEU:HB2	14	1.13
(1,2240)	1:47:B:LEU:HB2	1:47:B:LEU:HD23	9	1.13
(1,1596)	1:84:B:ILE:HB	1:81:B:LEU:HB2	7	1.13
(1,1595)	1:84:A:ILE:HB	1:81:A:LEU:HB2	7	1.13
(1,1595)	1:84:A:ILE:HB	1:81:A:LEU:HB2	20	1.13
(1,828)	1:40:B:LEU:HA	1:39:B:PHE:HB2	9	1.13
(1,744)	1:13:B:CYS:HB3	1:10:B:THR:HG23	17	1.13
(1,743)	1:13:A:CYS:HB3	1:10:A:THR:HG23	17	1.13
(1,636)	1:62:B:ARG:HG2	1:61:B:ASP:HB2	2	1.13
(1,56)	1:17:B:LEU:HD13	1:13:A:CYS:HB2	3	1.13
(2,148)	1:89:B:MET:HG2	1:93:B:ASP:HB3	1	1.12
(2,147)	1:89:A:MET:HG2	1:93:A:ASP:HB3	11	1.12
(2,145)	1:15:A:GLU:HG2	1:11:A:GLU:HG2	6	1.12
(2,144)	1:89:B:MET:HG2	1:93:B:ASP:HB3	1	1.12
(2,143)	1:89:A:MET:HG2	1:93:A:ASP:HB3	11	1.12
(2,130)	1:89:B:MET:HG2	1:93:B:ASP:HB3	1	1.12
(2,129)	1:89:A:MET:HG2	1:93:A:ASP:HB3	11	1.12
(1,5460)	1:22:B:GLN:H	1:20:B:VAL:HG21	4	1.12
(1,5459)	1:22:A:GLN:H	1:20:A:VAL:HG21	4	1.12
(1,5322)	1:47:B:LEU:H	1:87:B:LEU:HD11	15	1.12
(1,5321)	1:47:A:LEU:H	1:87:A:LEU:HD11	15	1.12
(1,5217)	1:9:A:GLU:H	1:47:B:LEU:HD22	2	1.12
(1,4840)	1:68:B:ASP:HB2	1:72:B:ASP:HB2	9	1.12
(1,4758)	1:60:B:LEU:HD13	1:47:B:LEU:H	1	1.12
(1,4421)	1:42:A:PHE:HA	1:45:A:THR:HG21	2	1.12
(1,4393)	1:17:A:LEU:HB2	1:15:A:GLU:HG3	5	1.12
(1,4214)	1:66:B:LYS:H	1:65:B:LYS:HD2	14	1.12
(1,4214)	1:66:B:LYS:H	1:65:B:LYS:HD2	19	1.12
(1,4213)	1:66:A:LYS:H	1:65:A:LYS:HD2	14	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4168)	1:20:B:VAL:HB	1:34:B:LEU:HD23	16	1.12
(1,4167)	1:20:A:VAL:HB	1:34:A:LEU:HD23	16	1.12
(1,4136)	1:20:B:VAL:HB	1:34:B:LEU:HD23	16	1.12
(1,4135)	1:20:A:VAL:HB	1:34:A:LEU:HD23	16	1.12
(1,4058)	1:18:B:ILE:HG23	1:91:A:CYS:HB3	12	1.12
(1,4035)	1:94:A:SER:HB3	1:99:A:VAL:HG13	4	1.12
(1,4029)	1:73:A:GLY:HA3	1:36:A:LYS:HD3	11	1.12
(1,4008)	1:12:B:ARG:H	1:14:B:ILE:HD12	17	1.12
(1,4007)	1:12:A:ARG:H	1:14:A:ILE:HD12	17	1.12
(1,3983)	1:60:A:LEU:HD13	1:52:A:LYS:H	6	1.12
(1,3936)	1:82:B:ASN:HB3	1:83:B:LEU:HB3	13	1.12
(1,3935)	1:82:A:ASN:HB3	1:83:A:LEU:HB3	13	1.12
(1,3926)	1:9:B:GLU:HB3	1:13:B:CYS:HB3	13	1.12
(1,3816)	1:42:B:PHE:HA	1:8:A:THR:HG22	19	1.12
(1,3782)	1:16:B:SER:H	1:14:B:ILE:HD13	4	1.12
(1,3781)	1:16:A:SER:H	1:14:A:ILE:HD13	4	1.12
(1,3749)	1:49:A:ALA:HB1	1:87:A:LEU:HD21	7	1.12
(1,3726)	1:46:B:GLU:HB2	1:20:B:VAL:HG12	11	1.12
(1,3725)	1:46:A:GLU:HB2	1:20:A:VAL:HG12	11	1.12
(1,3618)	1:37:B:THR:HB	1:34:B:LEU:HD22	5	1.12
(1,3617)	1:37:A:THR:HB	1:34:A:LEU:HD21	7	1.12
(1,3596)	1:13:B:CYS:HB2	1:20:A:VAL:HG12	12	1.12
(1,3596)	1:13:B:CYS:HB2	1:20:A:VAL:HG11	18	1.12
(1,3595)	1:13:A:CYS:HB2	1:20:B:VAL:HG12	12	1.12
(1,3595)	1:13:A:CYS:HB2	1:20:B:VAL:HG11	18	1.12
(1,3562)	1:76:B:ASP:HA	1:75:B:LEU:HD22	18	1.12
(1,3561)	1:76:A:ASP:HA	1:75:A:LEU:HD22	18	1.12
(1,3558)	1:68:B:ASP:HA	1:33:B:THR:HG23	8	1.12
(1,3557)	1:68:A:ASP:HA	1:33:A:THR:HG23	8	1.12
(1,3516)	1:51:B:THR:HG23	1:50:B:PHE:HB3	9	1.12
(1,3515)	1:51:A:THR:HG23	1:50:A:PHE:HB3	9	1.12
(1,3448)	1:35:B:SER:HA	1:28:B:ASP:HB3	8	1.12
(1,3447)	1:35:A:SER:HA	1:28:A:ASP:HB3	8	1.12
(1,3406)	1:9:B:GLU:HB3	1:17:A:LEU:HG	3	1.12
(1,3389)	1:17:A:LEU:HD21	1:14:B:ILE:HD13	12	1.12
(1,3386)	1:83:B:LEU:HD21	1:11:A:GLU:HG2	9	1.12
(1,2239)	1:47:A:LEU:HB2	1:47:A:LEU:HD23	9	1.12
(1,1596)	1:84:B:ILE:HB	1:81:B:LEU:HB2	19	1.12
(1,1596)	1:84:B:ILE:HB	1:81:B:LEU:HB2	20	1.12
(1,827)	1:40:A:LEU:HA	1:39:A:PHE:HB2	9	1.12
(1,744)	1:13:B:CYS:HB3	1:10:B:THR:HG22	14	1.12
(1,744)	1:13:B:CYS:HB3	1:10:B:THR:HG22	20	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,743)	1:13:A:CYS:HB3	1:10:A:THR:HG22	14	1.12
(1,743)	1:13:A:CYS:HB3	1:10:A:THR:HG22	20	1.12
(1,635)	1:62:A:ARG:HG2	1:61:A:ASP:HB2	2	1.12
(2,148)	1:89:B:MET:HG2	1:93:B:ASP:HB3	6	1.11
(2,147)	1:89:A:MET:HG2	1:93:A:ASP:HB3	1	1.11
(2,146)	1:15:B:GLU:HG2	1:11:B:GLU:HG2	6	1.11
(2,144)	1:89:B:MET:HG2	1:93:B:ASP:HB3	6	1.11
(2,143)	1:89:A:MET:HG2	1:93:A:ASP:HB3	1	1.11
(2,130)	1:89:B:MET:HG2	1:93:B:ASP:HB3	6	1.11
(2,129)	1:89:A:MET:HG2	1:93:A:ASP:HB3	1	1.11
(1,5461)	1:45:A:THR:H	1:51:A:THR:HG21	5	1.11
(1,5346)	1:51:B:THR:H	1:47:B:LEU:HD23	19	1.11
(1,5322)	1:47:B:LEU:H	1:87:B:LEU:HD11	16	1.11
(1,5321)	1:47:A:LEU:H	1:87:A:LEU:HD11	16	1.11
(1,4839)	1:68:A:ASP:HB2	1:72:A:ASP:HB2	9	1.11
(1,4757)	1:60:A:LEU:HD13	1:47:A:LEU:H	1	1.11
(1,4677)	1:65:A:LYS:HD2	1:36:A:LYS:HA	13	1.11
(1,4400)	1:48:B:ALA:HB1	1:47:B:LEU:HD22	20	1.11
(1,4394)	1:17:B:LEU:HB2	1:15:B:GLU:HG3	14	1.11
(1,4393)	1:17:A:LEU:HB2	1:15:A:GLU:HG3	14	1.11
(1,4254)	1:15:B:GLU:HG2	1:88:A:ALA:HB1	4	1.11
(1,4230)	1:14:B:ILE:HB	1:13:B:CYS:HB3	12	1.11
(1,4229)	1:14:A:ILE:HB	1:13:A:CYS:HB3	12	1.11
(1,4213)	1:66:A:LYS:H	1:65:A:LYS:HD2	19	1.11
(1,4057)	1:18:A:ILE:HG23	1:91:B:CYS:HB3	12	1.11
(1,4036)	1:94:B:SER:HB3	1:99:B:VAL:HG13	4	1.11
(1,4030)	1:73:B:GLY:HA3	1:36:B:LYS:HD3	11	1.11
(1,3984)	1:60:B:LEU:HD11	1:52:B:LYS:H	16	1.11
(1,3983)	1:60:A:LEU:HD11	1:52:A:LYS:H	16	1.11
(1,3966)	1:15:B:GLU:HB2	1:12:B:ARG:HD3	17	1.11
(1,3965)	1:15:A:GLU:HB2	1:12:A:ARG:HD3	17	1.11
(1,3938)	1:65:B:LYS:HG2	1:64:B:MET:HA	4	1.11
(1,3937)	1:65:A:LYS:HG2	1:64:A:MET:HA	4	1.11
(1,3926)	1:9:B:GLU:HB3	1:13:B:CYS:HB3	12	1.11
(1,3816)	1:42:B:PHE:HA	1:8:A:THR:HG22	17	1.11
(1,3790)	1:91:B:CYS:HA	1:18:A:ILE:HG22	16	1.11
(1,3782)	1:16:B:SER:H	1:14:B:ILE:HD12	3	1.11
(1,3782)	1:16:B:SER:H	1:14:B:ILE:HD11	9	1.11
(1,3782)	1:16:B:SER:H	1:14:B:ILE:HD12	16	1.11
(1,3781)	1:16:A:SER:H	1:14:A:ILE:HD12	3	1.11
(1,3781)	1:16:A:SER:H	1:14:A:ILE:HD11	9	1.11
(1,3781)	1:16:A:SER:H	1:14:A:ILE:HD12	16	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3775)	1:49:A:ALA:HB3	1:87:A:LEU:HD21	8	1.11
(1,3618)	1:37:B:THR:HB	1:34:B:LEU:HD21	7	1.11
(1,3617)	1:37:A:THR:HB	1:34:A:LEU:HD22	4	1.11
(1,3600)	1:37:B:THR:HG22	1:40:B:LEU:HA	10	1.11
(1,3600)	1:37:B:THR:HG23	1:40:B:LEU:HA	11	1.11
(1,3599)	1:37:A:THR:HG22	1:40:A:LEU:HA	10	1.11
(1,3599)	1:37:A:THR:HG23	1:40:A:LEU:HA	11	1.11
(1,3562)	1:76:B:ASP:HA	1:75:B:LEU:HD21	1	1.11
(1,3562)	1:76:B:ASP:HA	1:75:B:LEU:HD23	9	1.11
(1,3561)	1:76:A:ASP:HA	1:75:A:LEU:HD21	1	1.11
(1,3561)	1:76:A:ASP:HA	1:75:A:LEU:HD23	9	1.11
(1,3558)	1:68:B:ASP:HA	1:33:B:THR:HG23	12	1.11
(1,3557)	1:68:A:ASP:HA	1:33:A:THR:HG23	12	1.11
(1,3538)	1:39:B:PHE:HB3	1:34:B:LEU:HA	1	1.11
(1,3537)	1:39:A:PHE:HB3	1:34:A:LEU:HA	1	1.11
(1,3513)	1:40:A:LEU:HB2	1:39:A:PHE:HB3	11	1.11
(1,3427)	1:62:A:ARG:HD2	1:59:A:VAL:HG12	1	1.11
(1,3406)	1:9:B:GLU:HB3	1:17:A:LEU:HG	5	1.11
(1,3405)	1:9:A:GLU:HB3	1:17:B:LEU:HG	3	1.11
(1,3405)	1:9:A:GLU:HB3	1:17:B:LEU:HG	5	1.11
(1,3390)	1:17:B:LEU:HD21	1:14:A:ILE:HD13	12	1.11
(1,2240)	1:47:B:LEU:HB2	1:47:B:LEU:HD23	2	1.11
(1,2240)	1:47:B:LEU:HB2	1:47:B:LEU:HD23	7	1.11
(1,2240)	1:47:B:LEU:HB2	1:47:B:LEU:HD23	10	1.11
(1,2240)	1:47:B:LEU:HB2	1:47:B:LEU:HD23	17	1.11
(1,2240)	1:47:B:LEU:HB2	1:47:B:LEU:HD23	20	1.11
(1,2239)	1:47:A:LEU:HB2	1:47:A:LEU:HD21	1	1.11
(1,2239)	1:47:A:LEU:HB2	1:47:A:LEU:HD23	2	1.11
(1,2239)	1:47:A:LEU:HB2	1:47:A:LEU:HD23	7	1.11
(1,2239)	1:47:A:LEU:HB2	1:47:A:LEU:HD23	10	1.11
(1,2239)	1:47:A:LEU:HB2	1:47:A:LEU:HD23	20	1.11
(1,2138)	1:47:B:LEU:HB2	1:50:B:PHE:HB3	1	1.11
(1,2137)	1:47:A:LEU:HB2	1:50:A:PHE:HB3	1	1.11
(1,1595)	1:84:A:ILE:HB	1:81:A:LEU:HB2	19	1.11
(1,948)	1:13:B:CYS:HB2	1:10:B:THR:HG21	7	1.11
(1,947)	1:13:A:CYS:HB2	1:10:A:THR:HG21	7	1.11
(1,714)	1:16:B:SER:HB3	1:17:B:LEU:HD21	16	1.11
(1,713)	1:16:A:SER:HB3	1:17:A:LEU:HD21	16	1.11
(1,636)	1:62:B:ARG:HG2	1:61:B:ASP:HB2	3	1.11
(1,635)	1:62:A:ARG:HG2	1:61:A:ASP:HB2	3	1.11
(2,147)	1:89:A:MET:HG2	1:93:A:ASP:HB3	6	1.1
(2,143)	1:89:A:MET:HG2	1:93:A:ASP:HB3	6	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,129)	1:89:A:MET:HG2	1:93:A:ASP:HB3	6	1.1
(1,5462)	1:45:B:THR:H	1:51:B:THR:HG21	5	1.1
(1,5350)	1:26:B:GLY:H	1:22:B:GLN:HB3	17	1.1
(1,5345)	1:51:A:THR:H	1:47:A:LEU:HD23	19	1.1
(1,5332)	1:21:B:PHE:H	1:18:B:ILE:HG21	5	1.1
(1,5331)	1:21:A:PHE:H	1:18:A:ILE:HG21	5	1.1
(1,5322)	1:47:B:LEU:H	1:87:B:LEU:HD11	1	1.1
(1,5322)	1:47:B:LEU:H	1:87:B:LEU:HD12	3	1.1
(1,5321)	1:47:A:LEU:H	1:87:A:LEU:HD11	1	1.1
(1,5321)	1:47:A:LEU:H	1:87:A:LEU:HD12	3	1.1
(1,5218)	1:9:B:GLU:H	1:47:A:LEU:HD22	2	1.1
(1,5218)	1:9:B:GLU:H	1:47:A:LEU:HD22	8	1.1
(1,5218)	1:9:B:GLU:H	1:47:A:LEU:HD23	15	1.1
(1,5214)	1:77:B:PHE:H	1:81:B:LEU:HB2	13	1.1
(1,5213)	1:77:A:PHE:H	1:81:A:LEU:HB2	13	1.1
(1,4757)	1:60:A:LEU:HD12	1:47:A:LEU:H	14	1.1
(1,4678)	1:65:B:LYS:HD2	1:36:B:LYS:HA	13	1.1
(1,4632)	1:61:B:ASP:H	1:40:B:LEU:HD23	6	1.1
(1,4632)	1:61:B:ASP:H	1:40:B:LEU:HD21	18	1.1
(1,4631)	1:61:A:ASP:H	1:40:A:LEU:HD21	18	1.1
(1,4463)	1:83:A:LEU:HD12	1:86:A:GLY:H	16	1.1
(1,4399)	1:48:A:ALA:HB1	1:47:A:LEU:HD22	20	1.1
(1,4244)	1:91:B:CYS:HA	1:18:A:ILE:HB	17	1.1
(1,4214)	1:66:B:LYS:H	1:65:B:LYS:HD3	4	1.1
(1,4213)	1:66:A:LYS:H	1:65:A:LYS:HD3	4	1.1
(1,4186)	1:40:B:LEU:HG	1:42:B:PHE:HB3	6	1.1
(1,4185)	1:40:A:LEU:HG	1:42:A:PHE:HB3	6	1.1
(1,4008)	1:12:B:ARG:H	1:14:B:ILE:HD13	10	1.1
(1,4007)	1:12:A:ARG:H	1:14:A:ILE:HD13	10	1.1
(1,3925)	1:9:A:GLU:HB3	1:13:A:CYS:HB3	12	1.1
(1,3898)	1:10:B:THR:HA	1:14:B:ILE:HB	7	1.1
(1,3897)	1:10:A:THR:HA	1:14:A:ILE:HB	7	1.1
(1,3816)	1:42:B:PHE:HA	1:8:A:THR:HG22	18	1.1
(1,3789)	1:91:A:CYS:HA	1:18:B:ILE:HG22	16	1.1
(1,3782)	1:16:B:SER:H	1:14:B:ILE:HD12	19	1.1
(1,3781)	1:16:A:SER:H	1:14:A:ILE:HD12	19	1.1
(1,3776)	1:49:B:ALA:HB3	1:87:B:LEU:HD21	8	1.1
(1,3776)	1:49:B:ALA:HB3	1:87:B:LEU:HD23	10	1.1
(1,3750)	1:49:B:ALA:HB1	1:87:B:LEU:HD23	17	1.1
(1,3749)	1:49:A:ALA:HB1	1:87:A:LEU:HD23	17	1.1
(1,3701)	1:52:A:LYS:HD2	1:44:A:ASN:HB3	11	1.1
(1,3618)	1:37:B:THR:HB	1:34:B:LEU:HD23	2	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3618)	1:37:B:THR:HB	1:34:B:LEU:HD22	4	1.1
(1,3618)	1:51:B:THR:HB	1:87:B:LEU:HD23	19	1.1
(1,3617)	1:37:A:THR:HB	1:34:A:LEU:HD23	2	1.1
(1,3617)	1:51:A:THR:HB	1:87:A:LEU:HD23	19	1.1
(1,3538)	1:39:B:PHE:HB3	1:34:B:LEU:HA	18	1.1
(1,3537)	1:39:A:PHE:HB3	1:34:A:LEU:HA	18	1.1
(1,3514)	1:40:B:LEU:HB2	1:39:B:PHE:HB3	11	1.1
(1,3457)	1:11:A:GLU:HA	1:50:B:PHE:HB2	16	1.1
(1,3428)	1:62:B:ARG:HD2	1:59:B:VAL:HG12	1	1.1
(1,3424)	1:60:B:LEU:HB2	1:37:B:THR:HA	2	1.1
(1,3423)	1:60:A:LEU:HB2	1:37:A:THR:HA	2	1.1
(1,3416)	1:83:B:LEU:HG	1:82:B:ASN:HB2	1	1.1
(1,3415)	1:83:A:LEU:HG	1:82:A:ASN:HB2	1	1.1
(1,3396)	1:81:B:LEU:HD13	1:17:A:LEU:HD12	11	1.1
(1,3348)	1:14:B:ILE:HD12	1:47:A:LEU:HB2	18	1.1
(1,3347)	1:14:A:ILE:HD12	1:47:B:LEU:HB2	18	1.1
(1,2240)	1:47:B:LEU:HB2	1:47:B:LEU:HD21	1	1.1
(1,2240)	1:47:B:LEU:HB2	1:47:B:LEU:HD21	4	1.1
(1,2240)	1:47:B:LEU:HB2	1:47:B:LEU:HD23	8	1.1
(1,2240)	1:47:B:LEU:HB2	1:47:B:LEU:HD23	11	1.1
(1,2239)	1:47:A:LEU:HB2	1:47:A:LEU:HD21	4	1.1
(1,2239)	1:47:A:LEU:HB2	1:47:A:LEU:HD23	8	1.1
(1,2239)	1:47:A:LEU:HB2	1:47:A:LEU:HD23	11	1.1
(1,2239)	1:47:A:LEU:HB2	1:47:A:LEU:HD23	16	1.1
(1,2239)	1:47:A:LEU:HB2	1:47:A:LEU:HD23	17	1.1
(1,1596)	1:84:B:ILE:HB	1:81:B:LEU:HB2	9	1.1
(1,1596)	1:84:B:ILE:HB	1:81:B:LEU:HB2	11	1.1
(1,1595)	1:84:A:ILE:HB	1:81:A:LEU:HB2	9	1.1
(1,1595)	1:84:A:ILE:HB	1:81:A:LEU:HB2	11	1.1
(1,948)	1:13:B:CYS:HB2	1:10:B:THR:HG21	9	1.1
(1,948)	1:13:B:CYS:HB2	1:10:B:THR:HG22	13	1.1
(1,947)	1:13:A:CYS:HB2	1:10:A:THR:HG21	9	1.1
(1,947)	1:13:A:CYS:HB2	1:10:A:THR:HG22	13	1.1
(1,358)	1:73:B:GLY:HA2	1:72:B:ASP:HB2	13	1.1
(1,56)	1:17:B:LEU:HD12	1:13:A:CYS:HB2	11	1.1
(2,148)	1:89:B:MET:HG2	1:93:B:ASP:HB3	5	1.09
(2,147)	1:89:A:MET:HG2	1:93:A:ASP:HB3	5	1.09
(2,146)	1:15:B:GLU:HG2	1:11:B:GLU:HG2	9	1.09
(2,144)	1:89:B:MET:HG2	1:93:B:ASP:HB3	5	1.09
(2,143)	1:89:A:MET:HG2	1:93:A:ASP:HB3	5	1.09
(2,130)	1:89:B:MET:HG2	1:93:B:ASP:HB3	5	1.09
(2,129)	1:89:A:MET:HG2	1:93:A:ASP:HB3	5	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,86)	1:42:B:PHE:HB2	1:47:B:LEU:H	19	1.09
(2,85)	1:42:A:PHE:HB2	1:47:A:LEU:H	19	1.09
(2,60)	1:42:B:PHE:HB3	1:24:B:TYR:H	4	1.09
(2,60)	1:42:B:PHE:HB3	1:24:B:TYR:H	11	1.09
(2,59)	1:42:A:PHE:HB3	1:24:A:TYR:H	4	1.09
(2,59)	1:42:A:PHE:HB3	1:24:A:TYR:H	11	1.09
(1,5404)	1:12:B:ARG:H	1:14:B:ILE:HD12	12	1.09
(1,5404)	1:12:B:ARG:H	1:14:B:ILE:HD12	16	1.09
(1,5403)	1:12:A:ARG:H	1:14:A:ILE:HD13	8	1.09
(1,5403)	1:12:A:ARG:H	1:14:A:ILE:HD12	12	1.09
(1,5403)	1:12:A:ARG:H	1:14:A:ILE:HD12	16	1.09
(1,5386)	1:40:B:LEU:H	1:34:B:LEU:HD11	2	1.09
(1,5385)	1:40:A:LEU:H	1:34:A:LEU:HD11	2	1.09
(1,5349)	1:26:A:GLY:H	1:22:A:GLN:HB3	17	1.09
(1,5217)	1:9:A:GLU:H	1:47:B:LEU:HD23	15	1.09
(1,5216)	1:34:B:LEU:H	1:77:B:PHE:HB2	12	1.09
(1,5215)	1:34:A:LEU:H	1:77:A:PHE:HB2	12	1.09
(1,5214)	1:77:B:PHE:H	1:81:B:LEU:HB2	6	1.09
(1,5213)	1:77:A:PHE:H	1:81:A:LEU:HB2	6	1.09
(1,4974)	1:83:B:LEU:HD22	1:80:B:PHE:HA	9	1.09
(1,4973)	1:83:A:LEU:HD22	1:80:A:PHE:HA	9	1.09
(1,4758)	1:60:B:LEU:HD12	1:47:B:LEU:H	14	1.09
(1,4631)	1:61:A:ASP:H	1:40:A:LEU:HD23	6	1.09
(1,4464)	1:83:B:LEU:HD12	1:86:B:GLY:H	16	1.09
(1,4400)	1:48:B:ALA:HB3	1:47:B:LEU:HD22	11	1.09
(1,4393)	1:17:A:LEU:HB2	1:9:B:GLU:HG3	20	1.09
(1,4381)	1:49:A:ALA:HB1	1:14:B:ILE:HG21	5	1.09
(1,4328)	1:15:B:GLU:HG3	1:88:A:ALA:HB1	19	1.09
(1,4327)	1:15:A:GLU:HG3	1:88:B:ALA:HB2	15	1.09
(1,4297)	1:44:A:ASN:HA	1:47:A:LEU:HD12	1	1.09
(1,4254)	1:15:B:GLU:HG2	1:19:B:ALA:HB2	1	1.09
(1,4253)	1:15:A:GLU:HG2	1:19:A:ALA:HB2	1	1.09
(1,4230)	1:14:B:ILE:HB	1:13:B:CYS:HB3	9	1.09
(1,4229)	1:14:A:ILE:HB	1:13:A:CYS:HB3	9	1.09
(1,4214)	1:98:B:ALA:H	1:97:B:LYS:HD2	20	1.09
(1,4094)	1:38:B:GLU:HB3	1:27:B:LYS:HE3	12	1.09
(1,4093)	1:38:A:GLU:HB3	1:27:A:LYS:HE3	12	1.09
(1,4030)	1:73:B:GLY:HA3	1:36:B:LYS:HD3	12	1.09
(1,4029)	1:73:A:GLY:HA3	1:36:A:LYS:HD3	12	1.09
(1,4008)	1:12:B:ARG:H	1:14:B:ILE:HD13	11	1.09
(1,4008)	1:12:B:ARG:H	1:14:B:ILE:HD12	19	1.09
(1,4007)	1:12:A:ARG:H	1:14:A:ILE:HD13	11	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4007)	1:12:A:ARG:H	1:14:A:ILE:HD12	19	1.09
(1,3954)	1:68:B:ASP:HB3	1:75:B:LEU:HB3	7	1.09
(1,3953)	1:68:A:ASP:HB3	1:75:A:LEU:HB3	4	1.09
(1,3953)	1:68:A:ASP:HB3	1:75:A:LEU:HB3	7	1.09
(1,3936)	1:82:B:ASN:HB3	1:83:B:LEU:HB3	8	1.09
(1,3935)	1:82:A:ASN:HB3	1:83:A:LEU:HB3	8	1.09
(1,3925)	1:9:A:GLU:HB3	1:13:A:CYS:HB3	7	1.09
(1,3872)	1:39:B:PHE:H	1:34:B:LEU:HD12	1	1.09
(1,3871)	1:39:A:PHE:H	1:34:A:LEU:HD12	1	1.09
(1,3815)	1:42:A:PHE:HA	1:8:B:THR:HG22	18	1.09
(1,3782)	1:16:B:SER:H	1:14:B:ILE:HD12	18	1.09
(1,3781)	1:16:A:SER:H	1:14:A:ILE:HD12	18	1.09
(1,3776)	1:49:B:ALA:HB3	1:87:B:LEU:HD21	11	1.09
(1,3775)	1:49:A:ALA:HB3	1:87:A:LEU:HD23	10	1.09
(1,3775)	1:49:A:ALA:HB3	1:87:A:LEU:HD21	11	1.09
(1,3758)	1:40:B:LEU:HA	1:36:B:LYS:HE2	7	1.09
(1,3757)	1:40:A:LEU:HA	1:36:A:LYS:HE2	7	1.09
(1,3702)	1:52:B:LYS:HD2	1:44:B:ASN:HB3	11	1.09
(1,3618)	1:37:B:THR:HB	1:34:B:LEU:HD23	18	1.09
(1,3617)	1:37:A:THR:HB	1:34:A:LEU:HD23	18	1.09
(1,3558)	1:68:B:ASP:HA	1:33:B:THR:HG21	4	1.09
(1,3557)	1:68:A:ASP:HA	1:33:A:THR:HG21	4	1.09
(1,3538)	1:39:B:PHE:HB3	1:34:B:LEU:HA	8	1.09
(1,3537)	1:39:A:PHE:HB3	1:34:A:LEU:HA	8	1.09
(1,3487)	1:10:A:THR:HB	1:81:B:LEU:HD21	18	1.09
(1,3466)	1:100:B:PRO:HD2	1:98:B:ALA:HB2	5	1.09
(1,3465)	1:100:A:PRO:HD2	1:98:A:ALA:HB2	5	1.09
(1,3458)	1:11:B:GLU:HA	1:12:B:ARG:HD3	14	1.09
(1,3458)	1:11:B:GLU:HA	1:50:A:PHE:HB2	16	1.09
(1,3457)	1:11:A:GLU:HA	1:12:A:ARG:HD3	14	1.09
(1,3423)	1:60:A:LEU:HB2	1:37:A:THR:HA	8	1.09
(1,3395)	1:81:A:LEU:HD13	1:17:B:LEU:HD12	11	1.09
(1,3394)	1:81:B:LEU:HD13	1:87:A:LEU:HD11	8	1.09
(1,3380)	1:20:B:VAL:HG12	1:12:A:ARG:HG3	4	1.09
(1,3364)	1:81:B:LEU:HD22	1:81:A:LEU:HA	2	1.09
(1,3363)	1:81:A:LEU:HD22	1:81:B:LEU:HA	2	1.09
(1,2240)	1:47:B:LEU:HB2	1:47:B:LEU:HD22	3	1.09
(1,2240)	1:47:B:LEU:HB2	1:47:B:LEU:HD23	16	1.09
(1,2240)	1:47:B:LEU:HB2	1:47:B:LEU:HD23	19	1.09
(1,2239)	1:47:A:LEU:HB2	1:47:A:LEU:HD22	3	1.09
(1,2239)	1:47:A:LEU:HB2	1:47:A:LEU:HD22	12	1.09
(1,2239)	1:47:A:LEU:HB2	1:47:A:LEU:HD23	19	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2137)	1:47:A:LEU:HB2	1:50:A:PHE:HB3	12	1.09
(1,357)	1:73:A:GLY:HA2	1:72:A:ASP:HB2	13	1.09
(1,182)	1:39:B:PHE:HB3	1:34:B:LEU:HA	2	1.09
(1,181)	1:39:A:PHE:HB3	1:34:A:LEU:HA	2	1.09
(1,55)	1:17:A:LEU:HD12	1:13:B:CYS:HB2	11	1.09
(2,148)	1:89:B:MET:HG2	1:93:B:ASP:HB3	19	1.08
(2,147)	1:89:A:MET:HG2	1:93:A:ASP:HB3	19	1.08
(2,145)	1:15:A:GLU:HG2	1:11:A:GLU:HG2	9	1.08
(2,144)	1:89:B:MET:HG2	1:93:B:ASP:HB3	19	1.08
(2,143)	1:89:A:MET:HG2	1:93:A:ASP:HB3	19	1.08
(2,130)	1:89:B:MET:HG2	1:93:B:ASP:HB3	19	1.08
(2,129)	1:89:A:MET:HG2	1:93:A:ASP:HB3	19	1.08
(1,5650)	1:18:B:ILE:H	1:17:B:LEU:HD11	8	1.08
(1,5649)	1:18:A:ILE:H	1:17:A:LEU:HD11	8	1.08
(1,5404)	1:12:B:ARG:H	1:14:B:ILE:HD11	2	1.08
(1,5404)	1:12:B:ARG:H	1:14:B:ILE:HD12	3	1.08
(1,5404)	1:12:B:ARG:H	1:14:B:ILE:HD11	5	1.08
(1,5404)	1:12:B:ARG:H	1:14:B:ILE:HD13	8	1.08
(1,5403)	1:12:A:ARG:H	1:14:A:ILE:HD11	2	1.08
(1,5403)	1:12:A:ARG:H	1:14:A:ILE:HD12	3	1.08
(1,5403)	1:12:A:ARG:H	1:14:A:ILE:HD11	5	1.08
(1,5403)	1:12:A:ARG:H	1:14:A:ILE:HD11	15	1.08
(1,5332)	1:21:B:PHE:H	1:18:B:ILE:HG22	3	1.08
(1,5332)	1:21:B:PHE:H	1:18:B:ILE:HG21	15	1.08
(1,5331)	1:21:A:PHE:H	1:18:A:ILE:HG21	15	1.08
(1,4487)	1:84:A:ILE:HB	1:17:A:LEU:HD22	6	1.08
(1,4399)	1:48:A:ALA:HB3	1:47:A:LEU:HD22	11	1.08
(1,4394)	1:17:B:LEU:HB2	1:9:A:GLU:HG3	20	1.08
(1,4393)	1:17:A:LEU:HB2	1:9:B:GLU:HG3	19	1.08
(1,4382)	1:49:B:ALA:HB1	1:14:A:ILE:HG21	5	1.08
(1,4328)	1:15:B:GLU:HG3	1:88:A:ALA:HB2	15	1.08
(1,4298)	1:44:B:ASN:HA	1:47:B:LEU:HD12	1	1.08
(1,4214)	1:98:B:ALA:H	1:97:B:LYS:HD3	12	1.08
(1,4213)	1:98:A:ALA:H	1:97:A:LYS:HD3	12	1.08
(1,4213)	1:98:A:ALA:H	1:97:A:LYS:HD2	20	1.08
(1,4186)	1:7:B:PRO:HG2	1:11:B:GLU:HG2	13	1.08
(1,4185)	1:7:A:PRO:HG2	1:11:A:GLU:HG2	13	1.08
(1,4120)	1:46:B:GLU:HB3	1:87:B:LEU:HD12	1	1.08
(1,4104)	1:42:B:PHE:HA	1:20:B:VAL:HB	19	1.08
(1,4103)	1:42:A:PHE:HA	1:20:A:VAL:HB	19	1.08
(1,4094)	1:62:B:ARG:HB2	1:66:B:LYS:HE2	10	1.08
(1,4093)	1:62:A:ARG:HB2	1:66:A:LYS:HE2	10	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4010)	1:59:B:VAL:HG21	1:87:B:LEU:HD22	8	1.08
(1,3966)	1:15:B:GLU:HB2	1:12:B:ARG:HD3	11	1.08
(1,3965)	1:15:A:GLU:HB2	1:12:A:ARG:HD3	11	1.08
(1,3960)	1:99:B:VAL:HG11	1:100:B:PRO:HD2	19	1.08
(1,3959)	1:99:A:VAL:HG13	1:100:A:PRO:HD2	8	1.08
(1,3959)	1:99:A:VAL:HG11	1:100:A:PRO:HD2	19	1.08
(1,3954)	1:68:B:ASP:HB3	1:75:B:LEU:HB3	4	1.08
(1,3954)	1:68:B:ASP:HB3	1:75:B:LEU:HB3	15	1.08
(1,3953)	1:68:A:ASP:HB3	1:75:A:LEU:HB3	15	1.08
(1,3926)	1:9:B:GLU:HB3	1:13:B:CYS:HB3	7	1.08
(1,3850)	1:34:B:LEU:HB2	1:39:B:PHE:HB2	5	1.08
(1,3849)	1:34:A:LEU:HB2	1:39:A:PHE:HB2	5	1.08
(1,3815)	1:42:A:PHE:HA	1:8:B:THR:HG22	17	1.08
(1,3782)	1:16:B:SER:H	1:14:B:ILE:HD11	5	1.08
(1,3781)	1:16:A:SER:H	1:14:A:ILE:HD11	5	1.08
(1,3776)	1:49:B:ALA:HB1	1:87:B:LEU:HD22	19	1.08
(1,3776)	1:49:B:ALA:HB2	1:87:B:LEU:HD22	20	1.08
(1,3775)	1:49:A:ALA:HB1	1:87:A:LEU:HD22	19	1.08
(1,3775)	1:49:A:ALA:HB2	1:87:A:LEU:HD22	20	1.08
(1,3750)	1:49:B:ALA:HB1	1:87:B:LEU:HD22	1	1.08
(1,3749)	1:49:A:ALA:HB1	1:87:A:LEU:HD22	1	1.08
(1,3734)	1:90:B:ALA:HA	1:87:B:LEU:HD22	14	1.08
(1,3734)	1:90:B:ALA:HA	1:87:B:LEU:HD22	18	1.08
(1,3733)	1:90:A:ALA:HA	1:87:A:LEU:HD22	14	1.08
(1,3733)	1:90:A:ALA:HA	1:87:A:LEU:HD22	18	1.08
(1,3488)	1:10:B:THR:HB	1:81:A:LEU:HD21	18	1.08
(1,3466)	1:100:B:PRO:HD2	1:98:B:ALA:HB2	17	1.08
(1,3465)	1:100:A:PRO:HD2	1:98:A:ALA:HB2	17	1.08
(1,3427)	1:62:A:ARG:HD2	1:59:A:VAL:HG13	18	1.08
(1,3424)	1:60:B:LEU:HB2	1:37:B:THR:HA	8	1.08
(1,3424)	1:60:B:LEU:HB2	1:37:B:THR:HA	19	1.08
(1,3423)	1:60:A:LEU:HB2	1:37:A:THR:HA	19	1.08
(1,3416)	1:83:B:LEU:HG	1:66:B:LYS:HE3	4	1.08
(1,3415)	1:83:A:LEU:HG	1:66:A:LYS:HE3	4	1.08
(1,3405)	1:9:A:GLU:HB3	1:17:B:LEU:HG	6	1.08
(1,3364)	1:81:B:LEU:HD22	1:81:A:LEU:HA	16	1.08
(1,3363)	1:81:A:LEU:HD22	1:81:B:LEU:HA	16	1.08
(1,3361)	1:19:A:ALA:HB3	1:9:B:GLU:HA	11	1.08
(1,3359)	1:19:A:ALA:HB3	1:9:B:GLU:HA	11	1.08
(1,2240)	1:47:B:LEU:HB2	1:47:B:LEU:HD21	6	1.08
(1,2240)	1:47:B:LEU:HB2	1:47:B:LEU:HD22	12	1.08
(1,2240)	1:47:B:LEU:HB2	1:47:B:LEU:HD22	13	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2239)	1:47:A:LEU:HB2	1:47:A:LEU:HD21	6	1.08
(1,2239)	1:47:A:LEU:HB2	1:47:A:LEU:HD22	13	1.08
(1,2138)	1:47:B:LEU:HB2	1:50:B:PHE:HB3	12	1.08
(1,2138)	1:47:B:LEU:HB2	1:50:B:PHE:HB3	19	1.08
(1,2137)	1:47:A:LEU:HB2	1:50:A:PHE:HB3	19	1.08
(1,884)	1:34:B:LEU:HB3	1:80:B:PHE:HB2	15	1.08
(1,883)	1:34:A:LEU:HB3	1:80:A:PHE:HB2	15	1.08
(1,635)	1:62:A:ARG:HG2	1:61:A:ASP:HB2	14	1.08
(2,86)	1:42:B:PHE:HB2	1:47:B:LEU:H	15	1.07
(2,85)	1:42:A:PHE:HB2	1:47:A:LEU:H	15	1.07
(1,5650)	1:18:B:ILE:H	1:14:B:ILE:HG22	9	1.07
(1,5650)	1:18:B:ILE:H	1:14:B:ILE:HG23	17	1.07
(1,5649)	1:18:A:ILE:H	1:14:A:ILE:HG22	9	1.07
(1,5462)	1:45:B:THR:H	1:46:B:GLU:HB3	13	1.07
(1,5461)	1:45:A:THR:H	1:46:A:GLU:HB3	13	1.07
(1,5404)	1:12:B:ARG:H	1:14:B:ILE:HD11	15	1.07
(1,5386)	1:40:B:LEU:H	1:75:B:LEU:HD13	4	1.07
(1,5332)	1:21:B:PHE:H	1:18:B:ILE:HG21	16	1.07
(1,5332)	1:21:B:PHE:H	1:18:B:ILE:HG21	18	1.07
(1,5331)	1:21:A:PHE:H	1:18:A:ILE:HG22	3	1.07
(1,5331)	1:21:A:PHE:H	1:18:A:ILE:HG21	16	1.07
(1,5331)	1:21:A:PHE:H	1:18:A:ILE:HG21	18	1.07
(1,5274)	1:77:B:PHE:H	1:81:B:LEU:HD12	6	1.07
(1,5273)	1:77:A:PHE:H	1:81:A:LEU:HD12	6	1.07
(1,5214)	1:77:B:PHE:H	1:81:B:LEU:HB2	19	1.07
(1,5213)	1:77:A:PHE:H	1:81:A:LEU:HB2	19	1.07
(1,4818)	1:59:B:VAL:HA	1:62:B:ARG:HG2	5	1.07
(1,4677)	1:36:A:LYS:HA	1:74:A:GLN:HB2	6	1.07
(1,4488)	1:84:B:ILE:HB	1:17:B:LEU:HD22	6	1.07
(1,4438)	1:25:B:ALA:HB3	1:24:B:TYR:HB3	7	1.07
(1,4438)	1:22:B:GLN:HG2	1:25:B:ALA:HB3	11	1.07
(1,4437)	1:25:A:ALA:HB3	1:24:A:TYR:HB3	7	1.07
(1,4437)	1:22:A:GLN:HG2	1:25:A:ALA:HB3	11	1.07
(1,4302)	1:34:B:LEU:HD13	1:80:B:PHE:HB3	20	1.07
(1,4298)	1:44:B:ASN:HA	1:47:B:LEU:HD13	2	1.07
(1,4297)	1:44:A:ASN:HA	1:47:A:LEU:HD13	2	1.07
(1,4258)	1:10:B:THR:HA	1:14:B:ILE:HD11	2	1.07
(1,4257)	1:10:A:THR:HA	1:14:A:ILE:HD11	2	1.07
(1,4254)	1:15:B:GLU:HG2	1:19:B:ALA:HB1	9	1.07
(1,4243)	1:91:A:CYS:HA	1:18:B:ILE:HB	17	1.07
(1,4230)	1:91:B:CYS:HB2	1:14:A:ILE:HB	17	1.07
(1,4214)	1:66:B:LYS:H	1:65:B:LYS:HD2	2	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4213)	1:66:A:LYS:H	1:65:A:LYS:HD2	2	1.07
(1,4119)	1:46:A:GLU:HB3	1:87:A:LEU:HD12	1	1.07
(1,4009)	1:59:A:VAL:HG21	1:87:A:LEU:HD22	8	1.07
(1,3983)	1:60:A:LEU:HD13	1:52:A:LYS:H	3	1.07
(1,3960)	1:99:B:VAL:HG12	1:100:B:PRO:HD2	1	1.07
(1,3960)	1:99:B:VAL:HG13	1:100:B:PRO:HD2	8	1.07
(1,3959)	1:99:A:VAL:HG12	1:100:A:PRO:HD2	1	1.07
(1,3958)	1:17:B:LEU:HG	1:10:A:THR:HB	16	1.07
(1,3957)	1:17:A:LEU:HG	1:10:B:THR:HB	16	1.07
(1,3898)	1:10:B:THR:HA	1:14:B:ILE:HB	1	1.07
(1,3898)	1:10:B:THR:HA	1:11:B:GLU:HB2	9	1.07
(1,3897)	1:10:A:THR:HA	1:14:A:ILE:HB	1	1.07
(1,3897)	1:10:A:THR:HA	1:11:A:GLU:HB2	9	1.07
(1,3872)	1:39:B:PHE:H	1:34:B:LEU:HD12	8	1.07
(1,3871)	1:39:A:PHE:H	1:34:A:LEU:HD12	8	1.07
(1,3850)	1:34:B:LEU:HB2	1:39:B:PHE:HB2	14	1.07
(1,3849)	1:34:A:LEU:HB2	1:39:A:PHE:HB2	14	1.07
(1,3782)	1:16:B:SER:H	1:14:B:ILE:HD13	13	1.07
(1,3781)	1:16:A:SER:H	1:14:A:ILE:HD13	13	1.07
(1,3778)	1:57:B:PRO:HA	1:63:B:MET:HG3	19	1.07
(1,3777)	1:57:A:PRO:HA	1:63:A:MET:HG3	19	1.07
(1,3776)	1:49:B:ALA:HB1	1:87:B:LEU:HD22	13	1.07
(1,3775)	1:49:A:ALA:HB1	1:87:A:LEU:HD22	13	1.07
(1,3762)	1:58:B:GLY:HA3	1:60:B:LEU:HG	19	1.07
(1,3726)	1:46:B:GLU:HB2	1:20:B:VAL:HG11	9	1.07
(1,3725)	1:46:A:GLU:HB2	1:20:A:VAL:HG11	9	1.07
(1,3720)	1:47:B:LEU:HD12	1:10:A:THR:H	14	1.07
(1,3719)	1:47:A:LEU:HD12	1:10:B:THR:H	14	1.07
(1,3704)	1:39:B:PHE:HB2	1:75:B:LEU:HB3	2	1.07
(1,3703)	1:39:A:PHE:HB2	1:75:A:LEU:HB3	2	1.07
(1,3618)	1:37:B:THR:HB	1:34:B:LEU:HD22	3	1.07
(1,3617)	1:37:A:THR:HB	1:34:A:LEU:HD22	3	1.07
(1,3558)	1:68:B:ASP:HA	1:33:B:THR:HG21	6	1.07
(1,3557)	1:68:A:ASP:HA	1:33:A:THR:HG21	6	1.07
(1,3488)	1:10:B:THR:HB	1:81:A:LEU:HD22	5	1.07
(1,3428)	1:62:B:ARG:HD2	1:59:B:VAL:HG13	11	1.07
(1,3428)	1:62:B:ARG:HD2	1:59:B:VAL:HG13	18	1.07
(1,3424)	1:60:B:LEU:HB2	1:37:B:THR:HA	12	1.07
(1,3423)	1:60:A:LEU:HB2	1:37:A:THR:HA	12	1.07
(1,3406)	1:9:B:GLU:HB3	1:17:A:LEU:HG	2	1.07
(1,3406)	1:9:B:GLU:HB3	1:17:A:LEU:HG	6	1.07
(1,3393)	1:81:A:LEU:HD13	1:87:B:LEU:HD11	8	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3379)	1:20:A:VAL:HG12	1:12:B:ARG:HG3	4	1.07
(1,3362)	1:19:B:ALA:HB3	1:9:A:GLU:HA	11	1.07
(1,3360)	1:19:B:ALA:HB3	1:9:A:GLU:HA	11	1.07
(1,2240)	1:47:B:LEU:HB2	1:47:B:LEU:HD21	14	1.07
(1,2240)	1:47:B:LEU:HB2	1:47:B:LEU:HD22	18	1.07
(1,2239)	1:47:A:LEU:HB2	1:47:A:LEU:HD21	14	1.07
(1,2239)	1:47:A:LEU:HB2	1:47:A:LEU:HD22	18	1.07
(1,2138)	1:47:B:LEU:HB2	1:50:B:PHE:HB3	18	1.07
(1,2137)	1:47:A:LEU:HB2	1:50:A:PHE:HB3	18	1.07
(1,744)	1:13:B:CYS:HB3	1:10:B:THR:HG21	3	1.07
(1,744)	1:13:B:CYS:HB3	1:10:B:THR:HG23	8	1.07
(1,743)	1:13:A:CYS:HB3	1:10:A:THR:HG21	3	1.07
(1,743)	1:13:A:CYS:HB3	1:10:A:THR:HG23	8	1.07
(1,636)	1:62:B:ARG:HG2	1:61:B:ASP:HB2	14	1.07
(1,636)	1:62:B:ARG:HG2	1:61:B:ASP:HB2	17	1.07
(1,624)	1:34:B:LEU:HB2	1:38:B:GLU:HB2	1	1.07
(1,623)	1:34:A:LEU:HB2	1:38:A:GLU:HB2	1	1.07
(1,145)	1:78:A:SER:HB2	1:81:A:LEU:HB3	10	1.07
(1,5649)	1:18:A:ILE:H	1:14:A:ILE:HG23	17	1.06
(1,5536)	1:23:B:LYS:H	1:22:B:GLN:HG3	20	1.06
(1,5535)	1:23:A:LYS:H	1:22:A:GLN:HG2	8	1.06
(1,5404)	1:12:B:ARG:H	1:14:B:ILE:HD12	17	1.06
(1,5403)	1:12:A:ARG:H	1:14:A:ILE:HD12	17	1.06
(1,5385)	1:40:A:LEU:H	1:75:A:LEU:HD13	4	1.06
(1,5332)	1:21:B:PHE:H	1:18:B:ILE:HG23	6	1.06
(1,5331)	1:21:A:PHE:H	1:18:A:ILE:HG23	6	1.06
(1,5322)	1:47:B:LEU:H	1:87:B:LEU:HD12	4	1.06
(1,5322)	1:47:B:LEU:H	1:87:B:LEU:HD13	7	1.06
(1,5321)	1:47:A:LEU:H	1:87:A:LEU:HD12	4	1.06
(1,5218)	1:9:B:GLU:H	1:47:A:LEU:HD22	20	1.06
(1,5214)	1:77:B:PHE:H	1:81:B:LEU:HB2	5	1.06
(1,5213)	1:77:A:PHE:H	1:81:A:LEU:HB2	5	1.06
(1,4817)	1:59:A:VAL:HA	1:62:A:ARG:HG2	5	1.06
(1,4678)	1:36:B:LYS:HA	1:74:B:GLN:HB2	6	1.06
(1,4399)	1:48:A:ALA:HB2	1:47:A:LEU:HD23	4	1.06
(1,4391)	1:17:A:LEU:HG	1:81:A:LEU:HD23	16	1.06
(1,4327)	1:15:A:GLU:HG3	1:88:B:ALA:HB1	12	1.06
(1,4301)	1:34:A:LEU:HD13	1:80:A:PHE:HB3	20	1.06
(1,4253)	1:15:A:GLU:HG2	1:19:A:ALA:HB1	9	1.06
(1,4229)	1:91:A:CYS:HB2	1:14:B:ILE:HB	17	1.06
(1,4160)	1:42:B:PHE:HB3	1:43:B:MET:HB2	13	1.06
(1,4159)	1:42:A:PHE:HB3	1:43:A:MET:HB2	13	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4120)	1:46:B:GLU:HB3	1:87:B:LEU:HD11	6	1.06
(1,4119)	1:46:A:GLU:HB3	1:87:A:LEU:HD11	6	1.06
(1,4030)	1:73:B:GLY:HA3	1:36:B:LYS:HD3	4	1.06
(1,4029)	1:73:A:GLY:HA3	1:36:A:LYS:HD3	4	1.06
(1,4008)	1:12:B:ARG:H	1:14:B:ILE:HD11	9	1.06
(1,4007)	1:12:A:ARG:H	1:14:A:ILE:HD11	9	1.06
(1,3984)	1:60:B:LEU:HD13	1:52:B:LYS:H	3	1.06
(1,3782)	1:16:B:SER:H	1:14:B:ILE:HD12	1	1.06
(1,3781)	1:16:A:SER:H	1:14:A:ILE:HD13	14	1.06
(1,3776)	1:49:B:ALA:HB3	1:87:B:LEU:HD23	14	1.06
(1,3775)	1:49:A:ALA:HB3	1:87:A:LEU:HD23	14	1.06
(1,3772)	1:96:B:LEU:HD22	1:93:B:ASP:HB2	6	1.06
(1,3761)	1:58:A:GLY:HA3	1:60:A:LEU:HG	19	1.06
(1,3749)	1:49:A:ALA:HB3	1:87:A:LEU:HD21	8	1.06
(1,3730)	1:18:B:ILE:HG22	1:95:A:PHE:HA	11	1.06
(1,3618)	1:51:B:THR:HB	1:87:B:LEU:HD21	14	1.06
(1,3617)	1:51:A:THR:HB	1:87:A:LEU:HD21	14	1.06
(1,3558)	1:68:B:ASP:HA	1:33:B:THR:HG21	2	1.06
(1,3557)	1:68:A:ASP:HA	1:33:A:THR:HG21	2	1.06
(1,3552)	1:47:B:LEU:HB2	1:11:A:GLU:HG3	6	1.06
(1,3487)	1:10:A:THR:HB	1:81:B:LEU:HD22	5	1.06
(1,3427)	1:62:A:ARG:HD2	1:59:A:VAL:HG13	11	1.06
(1,3405)	1:9:A:GLU:HB3	1:17:B:LEU:HG	2	1.06
(1,3389)	1:17:A:LEU:HD21	1:17:B:LEU:HD13	9	1.06
(1,3362)	1:19:B:ALA:HB3	1:10:A:THR:HB	10	1.06
(1,2240)	1:47:B:LEU:HB2	1:47:B:LEU:HD22	5	1.06
(1,2239)	1:47:A:LEU:HB2	1:47:A:LEU:HD22	5	1.06
(1,2138)	1:47:B:LEU:HB2	1:50:B:PHE:HB3	7	1.06
(1,1628)	1:24:B:TYR:HB3	1:42:B:PHE:HB3	10	1.06
(1,1627)	1:24:A:TYR:HB3	1:42:A:PHE:HB3	10	1.06
(1,744)	1:13:B:CYS:HB3	1:10:B:THR:HG23	10	1.06
(1,743)	1:13:A:CYS:HB3	1:10:A:THR:HG23	10	1.06
(1,636)	1:62:B:ARG:HG2	1:61:B:ASP:HB2	7	1.06
(1,635)	1:62:A:ARG:HG2	1:61:A:ASP:HB2	17	1.06
(1,624)	1:34:B:LEU:HB2	1:38:B:GLU:HB2	8	1.06
(1,623)	1:34:A:LEU:HB2	1:38:A:GLU:HB2	8	1.06
(1,224)	1:34:B:LEU:HB2	1:39:B:PHE:HB3	1	1.06
(1,223)	1:34:A:LEU:HB2	1:39:A:PHE:HB3	1	1.06
(1,146)	1:78:B:SER:HB2	1:81:B:LEU:HB3	10	1.06
(1,106)	1:102:B:GLN:HG3	1:22:A:GLN:HB3	19	1.06
(1,89)	1:15:A:GLU:HB2	1:9:B:GLU:HG3	7	1.06
(1,87)	1:15:A:GLU:HB2	1:9:B:GLU:HG3	7	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5650)	1:18:B:ILE:H	1:14:B:ILE:HG23	18	1.05
(1,5649)	1:18:A:ILE:H	1:14:A:ILE:HG22	7	1.05
(1,5649)	1:18:A:ILE:H	1:14:A:ILE:HG23	18	1.05
(1,5536)	1:23:B:LYS:H	1:22:B:GLN:HG2	8	1.05
(1,5536)	1:23:B:LYS:H	1:22:B:GLN:HG2	12	1.05
(1,5535)	1:23:A:LYS:H	1:22:A:GLN:HG2	12	1.05
(1,5535)	1:23:A:LYS:H	1:22:A:GLN:HG3	20	1.05
(1,5386)	1:40:B:LEU:H	1:75:B:LEU:HD11	13	1.05
(1,5385)	1:40:A:LEU:H	1:75:A:LEU:HD11	13	1.05
(1,5374)	1:10:B:THR:H	1:47:A:LEU:HD22	10	1.05
(1,5346)	1:51:B:THR:H	1:47:B:LEU:HD22	13	1.05
(1,5345)	1:51:A:THR:H	1:47:A:LEU:HD22	13	1.05
(1,5332)	1:21:B:PHE:H	1:18:B:ILE:HG22	12	1.05
(1,5321)	1:47:A:LEU:H	1:87:A:LEU:HD13	7	1.05
(1,5217)	1:9:A:GLU:H	1:47:B:LEU:HD23	14	1.05
(1,5217)	1:9:A:GLU:H	1:47:B:LEU:HD22	20	1.05
(1,4758)	1:60:B:LEU:HD11	1:47:B:LEU:H	16	1.05
(1,4757)	1:60:A:LEU:HD11	1:47:A:LEU:H	16	1.05
(1,4696)	1:20:B:VAL:HG12	1:47:B:LEU:HD23	3	1.05
(1,4695)	1:20:A:VAL:HG12	1:47:A:LEU:HD23	3	1.05
(1,4678)	1:36:B:LYS:HA	1:74:B:GLN:HB2	8	1.05
(1,4677)	1:36:A:LYS:HA	1:74:A:GLN:HB2	8	1.05
(1,4438)	1:25:B:ALA:HB3	1:24:B:TYR:HB3	6	1.05
(1,4437)	1:25:A:ALA:HB3	1:24:A:TYR:HB3	6	1.05
(1,4400)	1:48:B:ALA:HB2	1:47:B:LEU:HD23	4	1.05
(1,4392)	1:17:B:LEU:HG	1:81:B:LEU:HD23	15	1.05
(1,4392)	1:17:B:LEU:HG	1:81:B:LEU:HD23	16	1.05
(1,4391)	1:17:A:LEU:HG	1:81:A:LEU:HD23	15	1.05
(1,4328)	1:15:B:GLU:HG3	1:88:A:ALA:HB1	12	1.05
(1,4229)	1:91:A:CYS:HB2	1:14:B:ILE:HB	15	1.05
(1,4196)	1:52:B:LYS:HD3	1:44:B:ASN:HB3	1	1.05
(1,4196)	1:52:B:LYS:HB2	1:53:B:ASN:HB3	9	1.05
(1,4195)	1:52:A:LYS:HD3	1:44:A:ASN:HB3	1	1.05
(1,4195)	1:52:A:LYS:HB2	1:53:A:ASN:HB3	9	1.05
(1,4048)	1:74:B:GLN:HB2	1:76:B:ASP:HB3	20	1.05
(1,4047)	1:74:A:GLN:HB2	1:76:A:ASP:HB3	20	1.05
(1,3960)	1:99:B:VAL:HG12	1:100:B:PRO:HD2	12	1.05
(1,3959)	1:99:A:VAL:HG12	1:100:A:PRO:HD2	12	1.05
(1,3838)	1:33:B:THR:HA	1:34:B:LEU:HG	6	1.05
(1,3837)	1:75:A:LEU:HB3	1:33:A:THR:HA	6	1.05
(1,3782)	1:16:B:SER:H	1:14:B:ILE:HD13	7	1.05
(1,3782)	1:16:B:SER:H	1:14:B:ILE:HD13	14	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3781)	1:16:A:SER:H	1:14:A:ILE:HD12	1	1.05
(1,3775)	1:49:A:ALA:HB2	1:87:A:LEU:HD22	16	1.05
(1,3771)	1:96:A:LEU:HD22	1:93:A:ASP:HB2	6	1.05
(1,3762)	1:58:B:GLY:HA3	1:62:B:ARG:HG2	10	1.05
(1,3761)	1:58:A:GLY:HA3	1:62:A:ARG:HG2	10	1.05
(1,3750)	1:49:B:ALA:HB3	1:87:B:LEU:HD21	8	1.05
(1,3729)	1:18:A:ILE:HG22	1:95:B:PHE:HA	11	1.05
(1,3720)	1:47:B:LEU:HD12	1:10:A:THR:H	17	1.05
(1,3695)	1:12:A:ARG:HD2	1:17:B:LEU:HD21	4	1.05
(1,3600)	1:37:B:THR:HG23	1:40:B:LEU:HA	20	1.05
(1,3551)	1:47:A:LEU:HB2	1:11:B:GLU:HG3	6	1.05
(1,3514)	1:40:B:LEU:HB2	1:39:B:PHE:HB3	12	1.05
(1,3513)	1:40:A:LEU:HB2	1:39:A:PHE:HB3	12	1.05
(1,3458)	1:11:B:GLU:HA	1:12:B:ARG:HD3	3	1.05
(1,3457)	1:11:A:GLU:HA	1:12:A:ARG:HD3	3	1.05
(1,3424)	1:60:B:LEU:HB2	1:37:B:THR:HA	18	1.05
(1,3423)	1:60:A:LEU:HB2	1:37:A:THR:HA	1	1.05
(1,3396)	1:81:B:LEU:HD13	1:17:A:LEU:HD12	8	1.05
(1,3390)	1:17:B:LEU:HD21	1:17:A:LEU:HD13	9	1.05
(1,3364)	1:81:B:LEU:HD23	1:81:A:LEU:HA	5	1.05
(1,3362)	1:19:B:ALA:HB3	1:9:A:GLU:HA	6	1.05
(1,3361)	1:19:A:ALA:HB3	1:10:B:THR:HB	10	1.05
(1,3360)	1:19:B:ALA:HB3	1:9:A:GLU:HA	6	1.05
(1,2240)	1:47:B:LEU:HB2	1:47:B:LEU:HD21	15	1.05
(1,2239)	1:47:A:LEU:HB2	1:47:A:LEU:HD21	15	1.05
(1,2137)	1:47:A:LEU:HB2	1:50:A:PHE:HB3	7	1.05
(1,1628)	1:24:B:TYR:HB3	1:42:B:PHE:HB3	3	1.05
(1,1627)	1:24:A:TYR:HB3	1:42:A:PHE:HB3	3	1.05
(1,1210)	1:52:B:LYS:HE3	1:51:B:THR:HG21	14	1.05
(1,1209)	1:52:A:LYS:HE3	1:51:A:THR:HG21	14	1.05
(1,1076)	1:7:B:PRO:HG2	1:12:B:ARG:HD3	18	1.05
(1,744)	1:13:B:CYS:HB3	1:10:B:THR:HG21	6	1.05
(1,744)	1:13:B:CYS:HB3	1:10:B:THR:HG21	11	1.05
(1,743)	1:13:A:CYS:HB3	1:10:A:THR:HG21	6	1.05
(1,743)	1:13:A:CYS:HB3	1:10:A:THR:HG21	11	1.05
(1,636)	1:62:B:ARG:HG2	1:61:B:ASP:HB2	9	1.05
(1,635)	1:62:A:ARG:HG2	1:61:A:ASP:HB2	7	1.05
(1,635)	1:62:A:ARG:HG2	1:61:A:ASP:HB2	9	1.05
(1,90)	1:15:B:GLU:HB2	1:9:A:GLU:HG3	7	1.05
(1,88)	1:15:B:GLU:HB2	1:9:A:GLU:HG3	7	1.05
(1,13)	1:14:A:ILE:HG21	1:84:B:ILE:HG22	6	1.05
(1,5650)	1:18:B:ILE:H	1:14:B:ILE:HG22	7	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5590)	1:19:B:ALA:H	1:14:B:ILE:HG22	4	1.04
(1,5589)	1:19:A:ALA:H	1:14:A:ILE:HG22	4	1.04
(1,5536)	1:23:B:LYS:H	1:22:B:GLN:HG3	4	1.04
(1,5496)	1:90:B:ALA:H	1:89:B:MET:HG2	20	1.04
(1,5460)	1:22:B:GLN:H	1:23:B:LYS:HD3	9	1.04
(1,5460)	1:22:B:GLN:H	1:20:B:VAL:HG22	15	1.04
(1,5404)	1:12:B:ARG:H	1:14:B:ILE:HD13	10	1.04
(1,5403)	1:12:A:ARG:H	1:14:A:ILE:HD13	10	1.04
(1,5373)	1:10:A:THR:H	1:47:B:LEU:HD22	10	1.04
(1,5349)	1:26:A:GLY:H	1:23:A:LYS:HB2	13	1.04
(1,5332)	1:21:B:PHE:H	1:18:B:ILE:HG22	14	1.04
(1,5331)	1:21:A:PHE:H	1:18:A:ILE:HG22	12	1.04
(1,5331)	1:21:A:PHE:H	1:18:A:ILE:HG22	14	1.04
(1,5218)	1:9:B:GLU:H	1:47:A:LEU:HD23	14	1.04
(1,5020)	1:20:B:VAL:HA	1:20:B:VAL:HG13	7	1.04
(1,5019)	1:20:A:VAL:HA	1:20:A:VAL:HG13	7	1.04
(1,4858)	1:23:B:LYS:HB2	1:23:B:LYS:HE3	15	1.04
(1,4857)	1:23:A:LYS:HB2	1:23:A:LYS:HE3	15	1.04
(1,4840)	1:68:B:ASP:HB2	1:72:B:ASP:HB2	13	1.04
(1,4818)	1:59:B:VAL:HA	1:62:B:ARG:HG2	2	1.04
(1,4818)	1:62:B:ARG:HB3	1:59:B:VAL:HA	6	1.04
(1,4817)	1:59:A:VAL:HA	1:62:A:ARG:HG2	2	1.04
(1,4817)	1:62:A:ARG:HB3	1:59:A:VAL:HA	6	1.04
(1,4628)	1:60:B:LEU:HD23	1:47:B:LEU:H	5	1.04
(1,4627)	1:60:A:LEU:HD23	1:47:A:LEU:H	5	1.04
(1,4394)	1:17:B:LEU:HB2	1:15:B:GLU:HG3	8	1.04
(1,4394)	1:17:B:LEU:HB2	1:9:A:GLU:HG3	19	1.04
(1,4391)	1:17:A:LEU:HG	1:81:A:LEU:HD21	6	1.04
(1,4359)	1:49:A:ALA:HB2	1:47:A:LEU:HD22	16	1.04
(1,4327)	1:15:A:GLU:HG3	1:88:B:ALA:HB1	19	1.04
(1,4230)	1:91:B:CYS:HB2	1:14:A:ILE:HB	15	1.04
(1,4186)	1:40:B:LEU:HG	1:42:B:PHE:HB3	8	1.04
(1,4186)	1:7:B:PRO:HG2	1:11:B:GLU:HG2	10	1.04
(1,4185)	1:40:A:LEU:HG	1:42:A:PHE:HB3	8	1.04
(1,4185)	1:7:A:PRO:HG2	1:11:A:GLU:HG2	10	1.04
(1,4170)	1:17:B:LEU:HG	1:16:B:SER:HB3	4	1.04
(1,4169)	1:17:A:LEU:HG	1:16:A:SER:HB3	4	1.04
(1,4168)	1:20:B:VAL:HB	1:34:B:LEU:HD22	13	1.04
(1,4167)	1:20:A:VAL:HB	1:34:A:LEU:HD22	13	1.04
(1,4136)	1:20:B:VAL:HB	1:34:B:LEU:HD22	13	1.04
(1,4135)	1:20:A:VAL:HB	1:34:A:LEU:HD22	13	1.04
(1,4120)	1:46:B:GLU:HB3	1:87:B:LEU:HD12	10	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4119)	1:46:A:GLU:HB3	1:87:A:LEU:HD12	10	1.04
(1,4044)	1:57:B:PRO:HG2	1:61:B:ASP:HB2	8	1.04
(1,4043)	1:57:A:PRO:HG2	1:61:A:ASP:HB2	8	1.04
(1,4010)	1:59:B:VAL:HG21	1:87:B:LEU:HD22	12	1.04
(1,4009)	1:59:A:VAL:HG21	1:87:A:LEU:HD22	12	1.04
(1,4008)	1:12:B:ARG:H	1:14:B:ILE:HD13	14	1.04
(1,4007)	1:12:A:ARG:H	1:14:A:ILE:HD13	14	1.04
(1,3960)	1:99:B:VAL:HG13	1:100:B:PRO:HD2	3	1.04
(1,3960)	1:99:B:VAL:HG11	1:100:B:PRO:HD2	14	1.04
(1,3959)	1:99:A:VAL:HG13	1:100:A:PRO:HD2	3	1.04
(1,3959)	1:99:A:VAL:HG11	1:100:A:PRO:HD2	14	1.04
(1,3953)	1:68:A:ASP:HB3	1:75:A:LEU:HB3	11	1.04
(1,3838)	1:33:B:THR:HA	1:34:B:LEU:HG	3	1.04
(1,3837)	1:33:A:THR:HA	1:34:A:LEU:HG	3	1.04
(1,3781)	1:16:A:SER:H	1:14:A:ILE:HD13	7	1.04
(1,3778)	1:57:B:PRO:HA	1:61:B:ASP:HB3	3	1.04
(1,3777)	1:57:A:PRO:HA	1:61:A:ASP:HB3	3	1.04
(1,3772)	1:75:B:LEU:HD21	1:82:B:ASN:HB3	9	1.04
(1,3771)	1:75:A:LEU:HD21	1:82:A:ASN:HB3	9	1.04
(1,3762)	1:58:B:GLY:HA3	1:62:B:ARG:HG2	11	1.04
(1,3750)	1:49:B:ALA:HB3	1:87:B:LEU:HD23	10	1.04
(1,3749)	1:49:A:ALA:HB3	1:87:A:LEU:HD23	10	1.04
(1,3730)	1:18:B:ILE:HG22	1:16:B:SER:HA	2	1.04
(1,3696)	1:12:B:ARG:HD2	1:17:A:LEU:HD21	4	1.04
(1,3599)	1:37:A:THR:HG23	1:40:A:LEU:HA	20	1.04
(1,3595)	1:13:A:CYS:HB2	1:20:B:VAL:HG13	13	1.04
(1,3551)	1:47:A:LEU:HB2	1:11:B:GLU:HG3	7	1.04
(1,3514)	1:40:B:LEU:HB2	1:39:B:PHE:HB3	10	1.04
(1,3513)	1:40:A:LEU:HB2	1:39:A:PHE:HB3	10	1.04
(1,3488)	1:10:B:THR:HB	1:81:A:LEU:HD21	2	1.04
(1,3487)	1:10:A:THR:HB	1:81:B:LEU:HD21	2	1.04
(1,3466)	1:100:B:PRO:HD2	1:98:B:ALA:HB1	10	1.04
(1,3465)	1:100:A:PRO:HD2	1:98:A:ALA:HB1	10	1.04
(1,3424)	1:60:B:LEU:HB2	1:37:B:THR:HA	1	1.04
(1,3424)	1:60:B:LEU:HB2	1:37:B:THR:HA	5	1.04
(1,3423)	1:60:A:LEU:HB2	1:37:A:THR:HA	18	1.04
(1,3363)	1:81:A:LEU:HD23	1:81:B:LEU:HA	5	1.04
(1,3362)	1:19:B:ALA:HB3	1:9:A:GLU:HA	20	1.04
(1,3361)	1:19:A:ALA:HB1	1:9:B:GLU:HA	3	1.04
(1,3361)	1:19:A:ALA:HB3	1:9:B:GLU:HA	6	1.04
(1,3361)	1:19:A:ALA:HB3	1:9:B:GLU:HA	14	1.04
(1,3361)	1:19:A:ALA:HB3	1:9:B:GLU:HA	20	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3360)	1:19:B:ALA:HB3	1:9:A:GLU:HA	20	1.04
(1,3359)	1:19:A:ALA:HB1	1:9:B:GLU:HA	3	1.04
(1,3359)	1:19:A:ALA:HB3	1:9:B:GLU:HA	6	1.04
(1,3359)	1:19:A:ALA:HB3	1:9:B:GLU:HA	14	1.04
(1,3359)	1:19:A:ALA:HB3	1:9:B:GLU:HA	20	1.04
(1,1075)	1:7:A:PRO:HG2	1:12:A:ARG:HD3	18	1.04
(1,623)	1:34:A:LEU:HB2	1:38:A:GLU:HB2	3	1.04
(1,320)	1:74:B:GLN:HB3	1:76:B:ASP:HB3	8	1.04
(1,319)	1:74:A:GLN:HB3	1:76:A:ASP:HB3	8	1.04
(1,224)	1:34:B:LEU:HB2	1:39:B:PHE:HB3	2	1.04
(1,223)	1:34:A:LEU:HB2	1:39:A:PHE:HB3	2	1.04
(1,5535)	1:23:A:LYS:H	1:22:A:GLN:HG3	4	1.03
(1,5495)	1:90:A:ALA:H	1:89:A:MET:HG2	20	1.03
(1,5485)	1:87:A:LEU:H	1:14:B:ILE:HD11	13	1.03
(1,5459)	1:22:A:GLN:H	1:23:A:LYS:HD3	9	1.03
(1,5459)	1:22:A:GLN:H	1:20:A:VAL:HG22	15	1.03
(1,5404)	1:12:B:ARG:H	1:14:B:ILE:HD13	11	1.03
(1,5404)	1:12:B:ARG:H	1:14:B:ILE:HD12	19	1.03
(1,5403)	1:12:A:ARG:H	1:14:A:ILE:HD13	11	1.03
(1,5403)	1:12:A:ARG:H	1:14:A:ILE:HD12	19	1.03
(1,5386)	1:40:B:LEU:H	1:75:B:LEU:HD11	18	1.03
(1,5385)	1:40:A:LEU:H	1:75:A:LEU:HD11	18	1.03
(1,5350)	1:26:B:GLY:H	1:23:B:LYS:HB2	13	1.03
(1,5322)	1:47:B:LEU:H	1:87:B:LEU:HD12	2	1.03
(1,5322)	1:47:B:LEU:H	1:87:B:LEU:HD12	5	1.03
(1,5322)	1:47:B:LEU:H	1:87:B:LEU:HD13	18	1.03
(1,5321)	1:47:A:LEU:H	1:87:A:LEU:HD12	2	1.03
(1,5321)	1:47:A:LEU:H	1:87:A:LEU:HD12	5	1.03
(1,5321)	1:47:A:LEU:H	1:87:A:LEU:HD13	18	1.03
(1,4847)	1:95:A:PHE:HB3	1:93:A:ASP:HB2	3	1.03
(1,4845)	1:97:A:LYS:HE2	1:95:A:PHE:HB3	3	1.03
(1,4839)	1:68:A:ASP:HB2	1:72:A:ASP:HB2	13	1.03
(1,4695)	1:20:A:VAL:HG12	1:47:A:LEU:HD21	11	1.03
(1,4627)	1:60:A:LEU:HD23	1:47:A:LEU:H	6	1.03
(1,4503)	1:24:A:TYR:H	1:34:A:LEU:HD11	11	1.03
(1,4400)	1:48:B:ALA:HB1	1:47:B:LEU:HD23	1	1.03
(1,4399)	1:48:A:ALA:HB1	1:47:A:LEU:HD23	1	1.03
(1,4393)	1:17:A:LEU:HB2	1:9:B:GLU:HG3	8	1.03
(1,4392)	1:17:B:LEU:HG	1:81:B:LEU:HD21	6	1.03
(1,4360)	1:49:B:ALA:HB1	1:47:B:LEU:HD21	3	1.03
(1,4360)	1:49:B:ALA:HB1	1:47:B:LEU:HD22	5	1.03
(1,4360)	1:49:B:ALA:HB2	1:47:B:LEU:HD22	16	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4359)	1:49:A:ALA:HB1	1:47:A:LEU:HD21	3	1.03
(1,4359)	1:49:A:ALA:HB1	1:47:A:LEU:HD22	5	1.03
(1,4328)	1:15:B:GLU:HG3	1:88:A:ALA:HB3	20	1.03
(1,4327)	1:15:A:GLU:HG3	1:88:B:ALA:HB3	2	1.03
(1,4254)	1:15:B:GLU:HG2	1:19:B:ALA:HB1	7	1.03
(1,4254)	1:15:B:GLU:HG2	1:88:A:ALA:HB3	16	1.03
(1,4253)	1:15:A:GLU:HG2	1:19:A:ALA:HB1	7	1.03
(1,4253)	1:15:A:GLU:HG2	1:88:B:ALA:HB3	16	1.03
(1,4214)	1:27:B:LYS:HD2	1:26:B:GLY:H	7	1.03
(1,4214)	1:53:B:ASN:H	1:52:B:LYS:HD3	13	1.03
(1,4186)	1:40:B:LEU:HG	1:42:B:PHE:HB3	2	1.03
(1,4186)	1:40:B:LEU:HG	1:42:B:PHE:HB3	3	1.03
(1,4185)	1:40:A:LEU:HG	1:42:A:PHE:HB3	2	1.03
(1,4057)	1:18:A:ILE:HG23	1:91:B:CYS:HB3	17	1.03
(1,4048)	1:74:B:GLN:HB2	1:76:B:ASP:HB3	7	1.03
(1,4047)	1:74:A:GLN:HB2	1:76:A:ASP:HB3	7	1.03
(1,4008)	1:12:B:ARG:H	1:14:B:ILE:HD13	13	1.03
(1,4008)	1:12:B:ARG:H	1:14:B:ILE:HD11	20	1.03
(1,4007)	1:12:A:ARG:H	1:14:A:ILE:HD13	13	1.03
(1,4007)	1:12:A:ARG:H	1:14:A:ILE:HD11	20	1.03
(1,3954)	1:68:B:ASP:HB3	1:75:B:LEU:HB3	11	1.03
(1,3936)	1:82:B:ASN:HB3	1:83:B:LEU:HB3	16	1.03
(1,3935)	1:82:A:ASN:HB3	1:83:A:LEU:HB3	16	1.03
(1,3891)	1:34:A:LEU:HD22	1:40:A:LEU:HA	6	1.03
(1,3776)	1:49:B:ALA:HB2	1:87:B:LEU:HD22	16	1.03
(1,3772)	1:96:B:LEU:HD21	1:93:B:ASP:HB2	10	1.03
(1,3761)	1:58:A:GLY:HA3	1:62:A:ARG:HG2	11	1.03
(1,3750)	1:49:B:ALA:HB3	1:87:B:LEU:HD21	11	1.03
(1,3749)	1:49:A:ALA:HB3	1:87:A:LEU:HD21	11	1.03
(1,3749)	1:49:A:ALA:HB2	1:87:A:LEU:HD22	20	1.03
(1,3729)	1:18:A:ILE:HG22	1:16:A:SER:HA	2	1.03
(1,3726)	1:46:B:GLU:HB2	1:20:B:VAL:HG13	14	1.03
(1,3725)	1:46:A:GLU:HB2	1:20:A:VAL:HG13	14	1.03
(1,3596)	1:13:B:CYS:HB2	1:20:A:VAL:HG13	13	1.03
(1,3558)	1:68:B:ASP:HA	1:33:B:THR:HG22	7	1.03
(1,3558)	1:68:B:ASP:HA	1:33:B:THR:HG22	9	1.03
(1,3558)	1:68:B:ASP:HA	1:33:B:THR:HG22	15	1.03
(1,3557)	1:68:A:ASP:HA	1:33:A:THR:HG22	7	1.03
(1,3557)	1:68:A:ASP:HA	1:33:A:THR:HG22	15	1.03
(1,3428)	1:62:B:ARG:HD2	1:59:B:VAL:HG12	7	1.03
(1,3428)	1:62:B:ARG:HD2	1:59:B:VAL:HG11	13	1.03
(1,3427)	1:62:A:ARG:HD2	1:59:A:VAL:HG12	7	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3427)	1:62:A:ARG:HD2	1:59:A:VAL:HG11	13	1.03
(1,3423)	1:60:A:LEU:HB2	1:37:A:THR:HA	5	1.03
(1,3362)	1:19:B:ALA:HB3	1:9:A:GLU:HA	14	1.03
(1,3360)	1:19:B:ALA:HB3	1:9:A:GLU:HA	14	1.03
(1,1628)	1:24:B:TYR:HB3	1:42:B:PHE:HB3	1	1.03
(1,1628)	1:24:B:TYR:HB3	1:42:B:PHE:HB3	16	1.03
(1,1627)	1:24:A:TYR:HB3	1:42:A:PHE:HB3	1	1.03
(1,1627)	1:24:A:TYR:HB3	1:42:A:PHE:HB3	16	1.03
(1,1596)	1:84:B:ILE:HB	1:81:B:LEU:HB2	17	1.03
(1,1595)	1:84:A:ILE:HB	1:81:A:LEU:HB2	17	1.03
(1,624)	1:34:B:LEU:HB2	1:38:B:GLU:HB2	3	1.03
(1,486)	1:59:B:VAL:H	1:62:B:ARG:HG2	19	1.03
(1,14)	1:14:B:ILE:HG22	1:84:A:ILE:HG21	1	1.03
(1,14)	1:14:B:ILE:HG21	1:84:A:ILE:HG22	6	1.03
(1,13)	1:14:A:ILE:HG22	1:84:B:ILE:HG21	1	1.03
(1,12)	1:18:B:ILE:HG22	1:94:A:SER:HB2	8	1.03
(1,11)	1:18:A:ILE:HG22	1:94:B:SER:HB2	8	1.03
(2,154)	1:71:B:SER:H	1:73:B:GLY:HA3	6	1.02
(1,5460)	1:22:B:GLN:H	1:23:B:LYS:HD3	7	1.02
(1,5459)	1:22:A:GLN:H	1:23:A:LYS:HD3	7	1.02
(1,5440)	1:93:B:ASP:H	1:96:B:LEU:HB2	19	1.02
(1,5439)	1:93:A:ASP:H	1:96:A:LEU:HB2	19	1.02
(1,5346)	1:51:B:THR:H	1:47:B:LEU:HD11	1	1.02
(1,5332)	1:21:B:PHE:H	1:18:B:ILE:HG22	2	1.02
(1,5331)	1:21:A:PHE:H	1:18:A:ILE:HG22	2	1.02
(1,5331)	1:21:A:PHE:H	1:18:A:ILE:HG22	17	1.02
(1,5196)	1:73:B:GLY:H	1:69:B:THR:HG22	5	1.02
(1,5196)	1:73:B:GLY:H	1:69:B:THR:HG22	20	1.02
(1,5195)	1:73:A:GLY:H	1:69:A:THR:HG22	20	1.02
(1,5020)	1:69:B:THR:HG23	1:69:B:THR:HA	4	1.02
(1,5019)	1:69:A:THR:HG23	1:69:A:THR:HA	4	1.02
(1,5019)	1:69:A:THR:HG22	1:69:A:THR:HA	9	1.02
(1,4848)	1:95:B:PHE:HB3	1:93:B:ASP:HB2	3	1.02
(1,4846)	1:97:B:LYS:HE2	1:95:B:PHE:HB3	3	1.02
(1,4846)	1:97:B:LYS:HE2	1:95:B:PHE:HB3	7	1.02
(1,4845)	1:97:A:LYS:HE2	1:95:A:PHE:HB3	7	1.02
(1,4696)	1:20:B:VAL:HG12	1:47:B:LEU:HD21	11	1.02
(1,4685)	1:20:A:VAL:HG11	1:11:B:GLU:HB2	12	1.02
(1,4628)	1:60:B:LEU:HD23	1:47:B:LEU:H	6	1.02
(1,4628)	1:83:B:LEU:HD21	1:47:B:LEU:H	10	1.02
(1,4627)	1:83:A:LEU:HD21	1:47:A:LEU:H	10	1.02
(1,4618)	1:68:B:ASP:HA	1:74:B:GLN:HB3	11	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4617)	1:68:A:ASP:HA	1:74:A:GLN:HB3	11	1.02
(1,4504)	1:24:B:TYR:H	1:34:B:LEU:HD11	11	1.02
(1,4400)	1:48:B:ALA:HB1	1:47:B:LEU:HD21	5	1.02
(1,4399)	1:48:A:ALA:HB1	1:47:A:LEU:HD21	5	1.02
(1,4399)	1:48:A:ALA:HB3	1:47:A:LEU:HD22	10	1.02
(1,4394)	1:17:B:LEU:HB2	1:9:A:GLU:HG3	11	1.02
(1,4360)	1:49:B:ALA:HB1	1:47:B:LEU:HD22	7	1.02
(1,4327)	1:15:A:GLU:HG3	1:88:B:ALA:HB3	20	1.02
(1,4298)	1:44:B:ASN:HA	1:47:B:LEU:HD11	18	1.02
(1,4297)	1:44:A:ASN:HA	1:47:A:LEU:HD13	8	1.02
(1,4297)	1:44:A:ASN:HA	1:47:A:LEU:HD11	18	1.02
(1,4258)	1:10:B:THR:HA	1:14:B:ILE:HD11	5	1.02
(1,4257)	1:10:A:THR:HA	1:14:A:ILE:HD11	5	1.02
(1,4213)	1:27:A:LYS:HD2	1:26:A:GLY:H	7	1.02
(1,4213)	1:53:A:ASN:H	1:52:A:LYS:HD3	13	1.02
(1,4185)	1:40:A:LEU:HG	1:42:A:PHE:HB3	3	1.02
(1,4094)	1:38:B:GLU:HB3	1:27:B:LYS:HE3	11	1.02
(1,3956)	1:48:B:ALA:HA	1:50:B:PHE:HB3	3	1.02
(1,3955)	1:48:A:ALA:HA	1:50:A:PHE:HB3	3	1.02
(1,3926)	1:9:B:GLU:HB3	1:13:B:CYS:HB3	4	1.02
(1,3892)	1:34:B:LEU:HD22	1:40:B:LEU:HA	6	1.02
(1,3883)	1:89:A:MET:HG3	1:82:B:ASN:H	12	1.02
(1,3872)	1:39:B:PHE:H	1:34:B:LEU:HD11	16	1.02
(1,3871)	1:39:A:PHE:H	1:34:A:LEU:HD11	16	1.02
(1,3789)	1:91:A:CYS:HA	1:18:B:ILE:HG23	3	1.02
(1,3778)	1:57:B:PRO:HA	1:61:B:ASP:HB3	9	1.02
(1,3771)	1:96:A:LEU:HD21	1:93:A:ASP:HB2	10	1.02
(1,3771)	1:96:A:LEU:HD21	1:93:A:ASP:HB2	16	1.02
(1,3762)	1:58:B:GLY:HA3	1:62:B:ARG:HG2	8	1.02
(1,3750)	1:49:B:ALA:HB1	1:87:B:LEU:HD22	19	1.02
(1,3750)	1:49:B:ALA:HB2	1:87:B:LEU:HD22	20	1.02
(1,3749)	1:49:A:ALA:HB1	1:87:A:LEU:HD22	19	1.02
(1,3726)	1:46:B:GLU:HB2	1:20:B:VAL:HG13	5	1.02
(1,3725)	1:46:A:GLU:HB2	1:20:A:VAL:HG13	5	1.02
(1,3719)	1:47:A:LEU:HD12	1:10:B:THR:H	17	1.02
(1,3656)	1:48:B:ALA:HB1	1:46:B:GLU:HG2	10	1.02
(1,3655)	1:48:A:ALA:HB1	1:46:A:GLU:HG2	10	1.02
(1,3557)	1:68:A:ASP:HA	1:33:A:THR:HG22	9	1.02
(1,3534)	1:47:B:LEU:HB2	1:11:A:GLU:HG3	6	1.02
(1,3457)	1:11:A:GLU:HA	1:50:B:PHE:HB2	6	1.02
(1,3406)	1:15:B:GLU:HB3	1:102:A:GLN:HG3	10	1.02
(1,3405)	1:15:A:GLU:HB3	1:102:B:GLN:HG3	10	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3395)	1:81:A:LEU:HD13	1:17:B:LEU:HD12	8	1.02
(1,948)	1:13:B:CYS:HB2	1:10:B:THR:HG22	1	1.02
(1,947)	1:13:A:CYS:HB2	1:10:A:THR:HG22	1	1.02
(1,485)	1:59:A:VAL:H	1:62:A:ARG:HG2	19	1.02
(1,105)	1:102:A:GLN:HG3	1:22:B:GLN:HB3	19	1.02
(1,12)	1:18:B:ILE:HG21	1:94:A:SER:HB2	7	1.02
(1,12)	1:18:B:ILE:HG21	1:94:A:SER:HB3	10	1.02
(2,153)	1:71:A:SER:H	1:73:A:GLY:HA3	6	1.01
(1,5650)	1:18:B:ILE:H	1:17:B:LEU:HD12	14	1.01
(1,5650)	1:18:B:ILE:H	1:14:B:ILE:HG21	15	1.01
(1,5649)	1:18:A:ILE:H	1:17:A:LEU:HD12	14	1.01
(1,5649)	1:18:A:ILE:H	1:14:A:ILE:HG21	15	1.01
(1,5495)	1:90:A:ALA:H	1:89:A:MET:HG2	11	1.01
(1,5486)	1:87:B:LEU:H	1:14:A:ILE:HD11	13	1.01
(1,5346)	1:51:B:THR:H	1:47:B:LEU:HD23	8	1.01
(1,5345)	1:51:A:THR:H	1:47:A:LEU:HD11	1	1.01
(1,5345)	1:51:A:THR:H	1:47:A:LEU:HD23	8	1.01
(1,5332)	1:21:B:PHE:H	1:18:B:ILE:HG22	17	1.01
(1,5332)	1:21:B:PHE:H	1:18:B:ILE:HG22	20	1.01
(1,5322)	1:47:B:LEU:H	1:87:B:LEU:HD22	8	1.01
(1,5321)	1:47:A:LEU:H	1:87:A:LEU:HD22	8	1.01
(1,5214)	1:77:B:PHE:H	1:81:B:LEU:HB2	7	1.01
(1,5214)	1:77:B:PHE:H	1:81:B:LEU:HB2	8	1.01
(1,5213)	1:77:A:PHE:H	1:81:A:LEU:HB2	8	1.01
(1,5195)	1:73:A:GLY:H	1:69:A:THR:HG22	5	1.01
(1,5020)	1:69:B:THR:HG22	1:69:B:THR:HA	9	1.01
(1,4858)	1:23:B:LYS:HB2	1:23:B:LYS:HE3	7	1.01
(1,4857)	1:23:A:LYS:HB2	1:23:A:LYS:HE3	7	1.01
(1,4818)	1:59:B:VAL:HA	1:62:B:ARG:HG2	13	1.01
(1,4818)	1:59:B:VAL:HA	1:62:B:ARG:HG2	18	1.01
(1,4817)	1:59:A:VAL:HA	1:62:A:ARG:HG2	13	1.01
(1,4817)	1:59:A:VAL:HA	1:62:A:ARG:HG2	18	1.01
(1,4782)	1:8:B:THR:HB	1:7:B:PRO:HG2	15	1.01
(1,4781)	1:8:A:THR:HB	1:7:A:PRO:HG2	15	1.01
(1,4758)	1:60:B:LEU:HD11	1:47:B:LEU:H	7	1.01
(1,4757)	1:60:A:LEU:HD11	1:47:A:LEU:H	7	1.01
(1,4741)	1:44:A:ASN:HA	1:60:A:LEU:HD12	14	1.01
(1,4686)	1:20:B:VAL:HG13	1:23:B:LYS:HB2	1	1.01
(1,4685)	1:20:A:VAL:HG13	1:23:A:LYS:HB2	1	1.01
(1,4400)	1:48:B:ALA:HB3	1:47:B:LEU:HD22	10	1.01
(1,4400)	1:48:B:ALA:HB2	1:47:B:LEU:HD21	12	1.01
(1,4399)	1:48:A:ALA:HB2	1:47:A:LEU:HD22	8	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4399)	1:48:A:ALA:HB2	1:47:A:LEU:HD21	12	1.01
(1,4393)	1:17:A:LEU:HB2	1:9:B:GLU:HG3	3	1.01
(1,4360)	1:49:B:ALA:HB2	1:47:B:LEU:HD22	2	1.01
(1,4359)	1:49:A:ALA:HB2	1:47:A:LEU:HD22	2	1.01
(1,4359)	1:49:A:ALA:HB1	1:47:A:LEU:HD22	7	1.01
(1,4328)	1:15:B:GLU:HG3	1:88:A:ALA:HB3	2	1.01
(1,4327)	1:15:A:GLU:HG3	1:88:B:ALA:HB2	6	1.01
(1,4298)	1:44:B:ASN:HA	1:47:B:LEU:HD13	8	1.01
(1,4120)	1:46:B:GLU:HB3	1:23:B:LYS:HG3	14	1.01
(1,4119)	1:46:A:GLU:HB3	1:23:A:LYS:HG3	14	1.01
(1,4104)	1:42:B:PHE:HA	1:20:B:VAL:HB	17	1.01
(1,4103)	1:42:A:PHE:HA	1:20:A:VAL:HB	17	1.01
(1,4093)	1:38:A:GLU:HB3	1:27:A:LYS:HE3	11	1.01
(1,4048)	1:52:B:LYS:HB2	1:53:B:ASN:HB3	12	1.01
(1,4047)	1:52:A:LYS:HB2	1:53:A:ASN:HB3	12	1.01
(1,4010)	1:59:B:VAL:HG22	1:87:B:LEU:HD22	5	1.01
(1,3966)	1:15:B:GLU:HB2	1:12:B:ARG:HD3	20	1.01
(1,3965)	1:15:A:GLU:HB2	1:12:A:ARG:HD3	20	1.01
(1,3938)	1:65:B:LYS:HG2	1:64:B:MET:HA	17	1.01
(1,3937)	1:65:A:LYS:HG2	1:64:A:MET:HA	17	1.01
(1,3925)	1:9:A:GLU:HB3	1:13:A:CYS:HB3	4	1.01
(1,3898)	1:10:B:THR:HA	1:14:B:ILE:HB	12	1.01
(1,3897)	1:10:A:THR:HA	1:14:A:ILE:HB	12	1.01
(1,3892)	1:34:B:LEU:HD21	1:40:B:LEU:HA	9	1.01
(1,3891)	1:34:A:LEU:HD21	1:40:A:LEU:HA	9	1.01
(1,3884)	1:89:B:MET:HG3	1:82:A:ASN:H	12	1.01
(1,3838)	1:33:B:THR:HA	1:34:B:LEU:HG	2	1.01
(1,3837)	1:33:A:THR:HA	1:34:A:LEU:HG	2	1.01
(1,3778)	1:57:B:PRO:HA	1:61:B:ASP:HB3	1	1.01
(1,3778)	1:57:B:PRO:HA	1:61:B:ASP:HB3	18	1.01
(1,3777)	1:57:A:PRO:HA	1:61:A:ASP:HB3	9	1.01
(1,3777)	1:57:A:PRO:HA	1:61:A:ASP:HB3	18	1.01
(1,3776)	1:49:B:ALA:HB2	1:87:B:LEU:HD23	18	1.01
(1,3775)	1:49:A:ALA:HB2	1:87:A:LEU:HD23	18	1.01
(1,3772)	1:96:B:LEU:HD21	1:93:B:ASP:HB2	16	1.01
(1,3761)	1:58:A:GLY:HA3	1:62:A:ARG:HG2	8	1.01
(1,3750)	1:49:B:ALA:HB1	1:87:B:LEU:HD22	13	1.01
(1,3749)	1:49:A:ALA:HB1	1:87:A:LEU:HD22	13	1.01
(1,3694)	1:12:B:ARG:HD2	1:10:B:THR:HG23	12	1.01
(1,3693)	1:12:A:ARG:HD2	1:10:A:THR:HG23	12	1.01
(1,3677)	1:74:A:GLN:HG2	1:34:A:LEU:HA	3	1.01
(1,3552)	1:47:B:LEU:HB2	1:11:A:GLU:HG3	7	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3533)	1:47:A:LEU:HB2	1:11:B:GLU:HG3	6	1.01
(1,3466)	1:100:B:PRO:HD2	1:96:B:LEU:HB3	2	1.01
(1,3466)	1:100:B:PRO:HD2	1:96:B:LEU:HB3	19	1.01
(1,3465)	1:100:A:PRO:HD2	1:96:A:LEU:HB3	2	1.01
(1,3465)	1:100:A:PRO:HD2	1:98:A:ALA:HB2	9	1.01
(1,3465)	1:100:A:PRO:HD2	1:96:A:LEU:HB3	19	1.01
(1,3458)	1:11:B:GLU:HA	1:50:A:PHE:HB2	6	1.01
(1,3415)	1:83:A:LEU:HG	1:82:A:ASN:HB2	17	1.01
(1,3362)	1:19:B:ALA:HB1	1:9:A:GLU:HA	3	1.01
(1,3360)	1:19:B:ALA:HB1	1:9:A:GLU:HA	3	1.01
(1,1076)	1:7:B:PRO:HG2	1:12:B:ARG:HD3	15	1.01
(1,1075)	1:7:A:PRO:HG2	1:12:A:ARG:HD3	15	1.01
(1,636)	1:62:B:ARG:HG2	1:61:B:ASP:HB2	6	1.01
(1,11)	1:18:A:ILE:HG21	1:94:B:SER:HB3	10	1.01
(1,5535)	1:23:A:LYS:H	1:22:A:GLN:HG2	15	1.0
(1,5496)	1:90:B:ALA:H	1:89:B:MET:HG2	11	1.0
(1,5404)	1:12:B:ARG:H	1:14:B:ILE:HD11	9	1.0
(1,5403)	1:12:A:ARG:H	1:14:A:ILE:HD11	9	1.0
(1,5349)	1:26:A:GLY:H	1:22:A:GLN:HB3	18	1.0
(1,5346)	1:51:B:THR:H	1:47:B:LEU:HD22	18	1.0
(1,5345)	1:51:A:THR:H	1:47:A:LEU:HD22	18	1.0
(1,5332)	1:21:B:PHE:H	1:18:B:ILE:HG23	13	1.0
(1,5331)	1:21:A:PHE:H	1:18:A:ILE:HG23	13	1.0
(1,5331)	1:21:A:PHE:H	1:18:A:ILE:HG22	20	1.0
(1,5218)	1:9:B:GLU:H	1:47:A:LEU:HD21	3	1.0
(1,5213)	1:77:A:PHE:H	1:81:A:LEU:HB2	7	1.0
(1,4858)	1:23:B:LYS:HB2	1:23:B:LYS:HE3	9	1.0
(1,4858)	1:23:B:LYS:HB2	1:23:B:LYS:HE3	19	1.0
(1,4857)	1:23:A:LYS:HB2	1:23:A:LYS:HE3	9	1.0
(1,4840)	1:68:B:ASP:HB2	1:72:B:ASP:HB2	11	1.0
(1,4782)	1:8:B:THR:HB	1:7:B:PRO:HG2	16	1.0
(1,4758)	1:60:B:LEU:HD12	1:47:B:LEU:H	4	1.0
(1,4757)	1:60:A:LEU:HD12	1:47:A:LEU:H	4	1.0
(1,4742)	1:44:B:ASN:HA	1:60:B:LEU:HD12	14	1.0
(1,4686)	1:20:B:VAL:HG11	1:11:A:GLU:HB2	12	1.0
(1,4464)	1:83:B:LEU:HD12	1:86:B:GLY:H	6	1.0
(1,4436)	1:45:B:THR:HG23	1:42:B:PHE:HB3	6	1.0
(1,4435)	1:45:A:THR:HG23	1:42:A:PHE:HB3	6	1.0
(1,4400)	1:48:B:ALA:HB2	1:47:B:LEU:HD22	8	1.0
(1,4393)	1:17:A:LEU:HB2	1:9:B:GLU:HG3	11	1.0
(1,4383)	1:11:A:GLU:HB3	1:47:B:LEU:HD23	6	1.0
(1,4360)	1:49:B:ALA:HB1	1:47:B:LEU:HD22	9	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4359)	1:49:A:ALA:HB1	1:47:A:LEU:HD22	9	1.0
(1,4328)	1:15:B:GLU:HG3	1:88:A:ALA:HB2	6	1.0
(1,4316)	1:22:B:GLN:HA	1:26:B:GLY:HA2	16	1.0
(1,4298)	1:44:B:ASN:HA	1:47:B:LEU:HD11	16	1.0
(1,4214)	1:53:B:ASN:H	1:52:B:LYS:HD3	5	1.0
(1,4213)	1:53:A:ASN:H	1:52:A:LYS:HD3	5	1.0
(1,4058)	1:21:B:PHE:HB2	1:18:B:ILE:HG23	6	1.0
(1,4058)	1:18:B:ILE:HG22	1:91:A:CYS:HB3	8	1.0
(1,4057)	1:21:A:PHE:HB2	1:18:A:ILE:HG23	6	1.0
(1,4048)	1:74:B:GLN:HB2	1:76:B:ASP:HB3	1	1.0
(1,4047)	1:74:A:GLN:HB2	1:76:A:ASP:HB3	1	1.0
(1,4009)	1:59:A:VAL:HG22	1:87:A:LEU:HD22	5	1.0
(1,4008)	1:12:B:ARG:H	1:14:B:ILE:HD13	4	1.0
(1,4007)	1:12:A:ARG:H	1:14:A:ILE:HD13	4	1.0
(1,4007)	1:12:A:ARG:H	1:14:A:ILE:HD13	7	1.0
(1,3956)	1:48:B:ALA:HA	1:50:B:PHE:HB3	17	1.0
(1,3955)	1:48:A:ALA:HA	1:50:A:PHE:HB3	17	1.0
(1,3938)	1:65:B:LYS:HG2	1:64:B:MET:HA	1	1.0
(1,3938)	1:65:B:LYS:HG2	1:64:B:MET:HA	2	1.0
(1,3937)	1:65:A:LYS:HG2	1:64:A:MET:HA	1	1.0
(1,3937)	1:65:A:LYS:HG2	1:64:A:MET:HA	2	1.0
(1,3935)	1:82:A:ASN:HB3	1:66:A:LYS:HD2	14	1.0
(1,3777)	1:57:A:PRO:HA	1:61:A:ASP:HB3	1	1.0
(1,3762)	1:58:B:GLY:HA3	1:62:B:ARG:HG2	4	1.0
(1,3761)	1:58:A:GLY:HA3	1:62:A:ARG:HG2	4	1.0
(1,3750)	1:49:B:ALA:HB3	1:87:B:LEU:HD23	14	1.0
(1,3749)	1:49:A:ALA:HB3	1:87:A:LEU:HD23	14	1.0
(1,3729)	1:18:A:ILE:HG22	1:95:B:PHE:HA	18	1.0
(1,3726)	1:46:B:GLU:HB2	1:20:B:VAL:HG12	3	1.0
(1,3726)	1:46:B:GLU:HB2	1:20:B:VAL:HG13	19	1.0
(1,3725)	1:46:A:GLU:HB2	1:20:A:VAL:HG12	3	1.0
(1,3725)	1:46:A:GLU:HB2	1:20:A:VAL:HG13	19	1.0
(1,3678)	1:74:B:GLN:HG2	1:34:B:LEU:HA	3	1.0
(1,3677)	1:74:A:GLN:HG2	1:34:A:LEU:HA	18	1.0
(1,3655)	1:48:A:ALA:HB3	1:46:A:GLU:HG2	4	1.0
(1,3596)	1:13:B:CYS:HB2	1:20:A:VAL:HG13	7	1.0
(1,3595)	1:13:A:CYS:HB2	1:20:B:VAL:HG13	7	1.0
(1,3562)	1:76:B:ASP:HA	1:34:B:LEU:HD12	16	1.0
(1,3561)	1:76:A:ASP:HA	1:34:A:LEU:HD12	16	1.0
(1,3533)	1:47:A:LEU:HB2	1:11:B:GLU:HG3	7	1.0
(1,3466)	1:100:B:PRO:HD2	1:98:B:ALA:HB1	7	1.0
(1,3466)	1:100:B:PRO:HD2	1:98:B:ALA:HB2	9	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3465)	1:100:A:PRO:HD2	1:98:A:ALA:HB1	7	1.0
(1,3416)	1:83:B:LEU:HG	1:82:B:ASN:HB2	17	1.0
(1,3390)	1:17:B:LEU:HD23	1:17:A:LEU:HD13	16	1.0
(1,3389)	1:17:A:LEU:HD23	1:17:B:LEU:HD13	16	1.0
(1,1628)	1:24:B:TYR:HB3	1:42:B:PHE:HB3	14	1.0
(1,1627)	1:24:A:TYR:HB3	1:42:A:PHE:HB3	14	1.0
(1,1210)	1:52:B:LYS:HE3	1:51:B:THR:HG23	15	1.0
(1,1209)	1:52:A:LYS:HE3	1:51:A:THR:HG23	15	1.0
(1,948)	1:13:B:CYS:HB2	1:10:B:THR:HG21	16	1.0
(1,947)	1:13:A:CYS:HB2	1:10:A:THR:HG21	16	1.0
(1,744)	1:13:B:CYS:HB3	1:10:B:THR:HG21	5	1.0
(1,743)	1:13:A:CYS:HB3	1:10:A:THR:HG21	5	1.0
(1,635)	1:62:A:ARG:HG2	1:61:A:ASP:HB2	6	1.0
(1,486)	1:59:B:VAL:H	1:62:B:ARG:HG2	10	1.0
(1,485)	1:59:A:VAL:H	1:62:A:ARG:HG2	10	1.0
(1,224)	1:34:B:LEU:HB2	1:39:B:PHE:HB3	13	1.0
(1,223)	1:34:A:LEU:HB2	1:39:A:PHE:HB3	13	1.0
(1,182)	1:39:B:PHE:HB3	1:34:B:LEU:HA	4	1.0
(1,182)	1:39:B:PHE:HB3	1:34:B:LEU:HA	17	1.0
(1,181)	1:39:A:PHE:HB3	1:34:A:LEU:HA	4	1.0
(1,181)	1:39:A:PHE:HB3	1:34:A:LEU:HA	17	1.0
(1,12)	1:18:B:ILE:HG22	1:94:A:SER:HB2	19	1.0
(1,5536)	1:23:B:LYS:H	1:22:B:GLN:HG2	15	0.99
(1,5495)	1:59:A:VAL:H	1:61:A:ASP:HB3	7	0.99
(1,5350)	1:26:B:GLY:H	1:22:B:GLN:HB3	18	0.99
(1,5332)	1:21:B:PHE:H	1:18:B:ILE:HG21	8	0.99
(1,5332)	1:21:B:PHE:H	1:18:B:ILE:HG21	11	0.99
(1,5331)	1:21:A:PHE:H	1:18:A:ILE:HG21	8	0.99
(1,5322)	1:47:B:LEU:H	1:87:B:LEU:HD11	9	0.99
(1,5321)	1:47:A:LEU:H	1:87:A:LEU:HD11	9	0.99
(1,5217)	1:9:A:GLU:H	1:47:B:LEU:HD23	4	0.99
(1,5020)	1:69:B:THR:HG21	1:69:B:THR:HA	15	0.99
(1,4857)	1:23:A:LYS:HB2	1:23:A:LYS:HE3	19	0.99
(1,4839)	1:68:A:ASP:HB2	1:72:A:ASP:HB2	11	0.99
(1,4818)	1:59:B:VAL:HA	1:62:B:ARG:HG2	12	0.99
(1,4818)	1:59:B:VAL:HA	1:62:B:ARG:HG2	15	0.99
(1,4817)	1:59:A:VAL:HA	1:62:A:ARG:HG2	12	0.99
(1,4781)	1:8:A:THR:HB	1:7:A:PRO:HG2	16	0.99
(1,4688)	1:61:B:ASP:H	1:40:B:LEU:HD21	13	0.99
(1,4687)	1:61:A:ASP:H	1:40:A:LEU:HD21	13	0.99
(1,4678)	1:65:B:LYS:HD2	1:36:B:LYS:HA	17	0.99
(1,4677)	1:65:A:LYS:HD2	1:36:A:LYS:HA	17	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4564)	1:98:B:ALA:HB1	1:97:B:LYS:HB2	1	0.99
(1,4563)	1:98:A:ALA:HB1	1:97:A:LYS:HB2	1	0.99
(1,4536)	1:64:B:MET:HG3	1:75:B:LEU:HD23	15	0.99
(1,4535)	1:64:A:MET:HG3	1:75:A:LEU:HD23	15	0.99
(1,4463)	1:83:A:LEU:HD12	1:86:A:GLY:H	6	0.99
(1,4399)	1:48:A:ALA:HB2	1:47:A:LEU:HD22	16	0.99
(1,4392)	1:17:B:LEU:HG	1:81:B:LEU:HD23	14	0.99
(1,4391)	1:17:A:LEU:HG	1:81:A:LEU:HD23	14	0.99
(1,4360)	1:49:B:ALA:HB1	1:47:B:LEU:HD23	1	0.99
(1,4359)	1:49:A:ALA:HB1	1:47:A:LEU:HD23	1	0.99
(1,4316)	1:37:B:THR:HA	1:40:B:LEU:HA	6	0.99
(1,4315)	1:37:A:THR:HA	1:40:A:LEU:HA	6	0.99
(1,4315)	1:22:A:GLN:HA	1:26:A:GLY:HA2	16	0.99
(1,4297)	1:44:A:ASN:HA	1:47:A:LEU:HD11	16	0.99
(1,4258)	1:10:B:THR:HA	1:14:B:ILE:HD11	9	0.99
(1,4257)	1:10:A:THR:HA	1:14:A:ILE:HD11	9	0.99
(1,4230)	1:91:B:CYS:HB2	1:14:A:ILE:HB	7	0.99
(1,4230)	1:14:B:ILE:HB	1:13:B:CYS:HB3	18	0.99
(1,4229)	1:91:A:CYS:HB2	1:14:B:ILE:HB	7	0.99
(1,4229)	1:14:A:ILE:HB	1:13:A:CYS:HB3	18	0.99
(1,4168)	1:20:B:VAL:HB	1:34:B:LEU:HD21	10	0.99
(1,4167)	1:20:A:VAL:HB	1:34:A:LEU:HD21	10	0.99
(1,4136)	1:20:B:VAL:HB	1:34:B:LEU:HD21	10	0.99
(1,4135)	1:20:A:VAL:HB	1:34:A:LEU:HD21	10	0.99
(1,4120)	1:46:B:GLU:HB3	1:23:B:LYS:HG3	19	0.99
(1,4119)	1:46:A:GLU:HB3	1:23:A:LYS:HG3	19	0.99
(1,4058)	1:18:B:ILE:HG23	1:91:A:CYS:HB3	17	0.99
(1,4057)	1:18:A:ILE:HG22	1:91:B:CYS:HB3	8	0.99
(1,4048)	1:74:B:GLN:HB2	1:76:B:ASP:HB3	6	0.99
(1,4048)	1:74:B:GLN:HB2	1:76:B:ASP:HB3	8	0.99
(1,4048)	1:74:B:GLN:HB2	1:76:B:ASP:HB3	18	0.99
(1,4047)	1:74:A:GLN:HB2	1:76:A:ASP:HB3	6	0.99
(1,4047)	1:74:A:GLN:HB2	1:76:A:ASP:HB3	8	0.99
(1,4047)	1:74:A:GLN:HB2	1:76:A:ASP:HB3	18	0.99
(1,4008)	1:12:B:ARG:H	1:14:B:ILE:HD13	7	0.99
(1,3937)	1:65:A:LYS:HG2	1:64:A:MET:HA	3	0.99
(1,3936)	1:82:B:ASN:HB3	1:66:B:LYS:HD2	14	0.99
(1,3897)	1:10:A:THR:HA	1:14:A:ILE:HB	4	0.99
(1,3884)	1:63:B:MET:HG3	1:65:B:LYS:H	1	0.99
(1,3883)	1:63:A:MET:HG3	1:65:A:LYS:H	1	0.99
(1,3872)	1:76:B:ASP:H	1:75:B:LEU:HD13	9	0.99
(1,3871)	1:76:A:ASP:H	1:75:A:LEU:HD13	9	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3790)	1:91:B:CYS:HA	1:18:A:ILE:HG23	3	0.99
(1,3778)	1:57:B:PRO:HA	1:63:B:MET:HG3	8	0.99
(1,3771)	1:75:A:LEU:HD23	1:70:A:ASN:HB3	17	0.99
(1,3762)	1:58:B:GLY:HA3	1:62:B:ARG:HG2	9	0.99
(1,3761)	1:58:A:GLY:HA3	1:62:A:ARG:HG2	9	0.99
(1,3749)	1:49:A:ALA:HB2	1:87:A:LEU:HD22	16	0.99
(1,3734)	1:90:B:ALA:HA	1:87:B:LEU:HD21	1	0.99
(1,3733)	1:90:A:ALA:HA	1:87:A:LEU:HD21	1	0.99
(1,3730)	1:18:B:ILE:HG22	1:95:A:PHE:HA	18	0.99
(1,3678)	1:74:B:GLN:HG2	1:34:B:LEU:HA	18	0.99
(1,3656)	1:48:B:ALA:HB3	1:46:B:GLU:HG2	4	0.99
(1,3656)	1:48:B:ALA:HB1	1:46:B:GLU:HG2	7	0.99
(1,3656)	1:48:B:ALA:HB3	1:46:B:GLU:HG2	8	0.99
(1,3655)	1:48:A:ALA:HB1	1:46:A:GLU:HG2	7	0.99
(1,3655)	1:48:A:ALA:HB3	1:46:A:GLU:HG2	8	0.99
(1,3552)	1:47:B:LEU:HB2	1:11:A:GLU:HG3	1	0.99
(1,3552)	1:87:B:LEU:HB2	1:89:B:MET:HB2	4	0.99
(1,3551)	1:47:A:LEU:HB2	1:11:B:GLU:HG3	1	0.99
(1,3551)	1:47:A:LEU:HB2	1:11:B:GLU:HG3	4	0.99
(1,3551)	1:47:A:LEU:HB2	1:11:B:GLU:HG3	19	0.99
(1,3524)	1:73:B:GLY:HA3	1:68:B:ASP:HB3	9	0.99
(1,3523)	1:73:A:GLY:HA3	1:68:A:ASP:HB3	9	0.99
(1,3458)	1:11:B:GLU:HA	1:12:B:ARG:HD3	5	0.99
(1,3457)	1:11:A:GLU:HA	1:12:A:ARG:HD3	5	0.99
(1,3362)	1:19:B:ALA:HB1	1:9:A:GLU:HA	15	0.99
(1,3362)	1:19:B:ALA:HB3	1:9:A:GLU:HA	16	0.99
(1,3361)	1:19:A:ALA:HB3	1:9:B:GLU:HA	16	0.99
(1,3360)	1:19:B:ALA:HB1	1:9:A:GLU:HA	15	0.99
(1,3360)	1:19:B:ALA:HB3	1:9:A:GLU:HA	16	0.99
(1,3359)	1:19:A:ALA:HB3	1:9:B:GLU:HA	16	0.99
(1,1628)	1:24:B:TYR:HB3	1:42:B:PHE:HB3	5	0.99
(1,1627)	1:24:A:TYR:HB3	1:42:A:PHE:HB3	5	0.99
(1,182)	1:39:B:PHE:HB3	1:34:B:LEU:HA	13	0.99
(1,181)	1:39:A:PHE:HB3	1:34:A:LEU:HA	13	0.99
(1,11)	1:18:A:ILE:HG21	1:94:B:SER:HB2	7	0.99
(2,154)	1:71:B:SER:H	1:73:B:GLY:HA3	13	0.98
(2,148)	1:89:B:MET:HG2	1:93:B:ASP:HB3	9	0.98
(2,147)	1:89:A:MET:HG2	1:93:A:ASP:HB3	9	0.98
(2,144)	1:89:B:MET:HG2	1:93:B:ASP:HB3	9	0.98
(2,143)	1:89:A:MET:HG2	1:93:A:ASP:HB3	9	0.98
(2,130)	1:89:B:MET:HG2	1:93:B:ASP:HB3	9	0.98
(2,129)	1:89:A:MET:HG2	1:93:A:ASP:HB3	9	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5536)	1:23:B:LYS:H	1:22:B:GLN:HG3	5	0.98
(1,5535)	1:23:A:LYS:H	1:22:A:GLN:HG3	5	0.98
(1,5499)	1:51:A:THR:H	1:49:A:ALA:HB2	16	0.98
(1,5496)	1:90:B:ALA:H	1:89:B:MET:HG2	6	0.98
(1,5496)	1:59:B:VAL:H	1:61:B:ASP:HB3	7	0.98
(1,5404)	1:12:B:ARG:H	1:14:B:ILE:HD13	14	0.98
(1,5404)	1:12:B:ARG:H	1:14:B:ILE:HD11	20	0.98
(1,5403)	1:12:A:ARG:H	1:14:A:ILE:HD13	14	0.98
(1,5332)	1:21:B:PHE:H	1:18:B:ILE:HG23	7	0.98
(1,5331)	1:21:A:PHE:H	1:18:A:ILE:HG23	7	0.98
(1,5331)	1:21:A:PHE:H	1:18:A:ILE:HG21	11	0.98
(1,5218)	1:9:B:GLU:H	1:47:A:LEU:HD23	4	0.98
(1,5218)	1:9:B:GLU:H	1:47:A:LEU:HD23	6	0.98
(1,5217)	1:9:A:GLU:H	1:47:B:LEU:HD21	3	0.98
(1,5019)	1:69:A:THR:HG21	1:69:A:THR:HA	15	0.98
(1,4817)	1:59:A:VAL:HA	1:62:A:ARG:HG2	14	0.98
(1,4817)	1:59:A:VAL:HA	1:62:A:ARG:HG2	15	0.98
(1,4685)	1:20:A:VAL:HG13	1:22:A:GLN:HB3	20	0.98
(1,4550)	1:88:B:ALA:HB1	1:91:B:CYS:HB2	3	0.98
(1,4549)	1:88:A:ALA:HB1	1:91:A:CYS:HB2	3	0.98
(1,4400)	1:48:B:ALA:HB2	1:47:B:LEU:HD22	16	0.98
(1,4391)	1:17:A:LEU:HG	1:81:A:LEU:HD23	4	0.98
(1,4384)	1:11:B:GLU:HB3	1:47:A:LEU:HD23	6	0.98
(1,4360)	1:49:B:ALA:HB3	1:47:B:LEU:HD23	14	0.98
(1,4359)	1:49:A:ALA:HB3	1:47:A:LEU:HD23	14	0.98
(1,4327)	1:15:A:GLU:HG3	1:88:B:ALA:HB1	11	0.98
(1,4257)	1:10:A:THR:HA	1:14:A:ILE:HD12	18	0.98
(1,4229)	1:14:A:ILE:HB	1:13:A:CYS:HB3	4	0.98
(1,4102)	1:36:B:LYS:HD2	1:65:B:LYS:H	16	0.98
(1,4101)	1:36:A:LYS:HD2	1:65:A:LYS:H	16	0.98
(1,4094)	1:38:B:GLU:HB3	1:27:B:LYS:HE2	8	0.98
(1,4094)	1:38:B:GLU:HB3	1:27:B:LYS:HE2	20	0.98
(1,4093)	1:38:A:GLU:HB3	1:27:A:LYS:HE2	20	0.98
(1,4057)	1:18:A:ILE:HG22	1:91:B:CYS:HB3	18	0.98
(1,4008)	1:12:B:ARG:H	1:14:B:ILE:HD12	1	0.98
(1,4007)	1:12:A:ARG:H	1:14:A:ILE:HD12	1	0.98
(1,3966)	1:15:B:GLU:HB2	1:12:B:ARG:HD3	2	0.98
(1,3965)	1:15:A:GLU:HB2	1:12:A:ARG:HD3	2	0.98
(1,3960)	1:99:B:VAL:HG12	1:100:B:PRO:HD2	4	0.98
(1,3938)	1:65:B:LYS:HG2	1:64:B:MET:HA	3	0.98
(1,3898)	1:10:B:THR:HA	1:14:B:ILE:HB	4	0.98
(1,3884)	1:89:B:MET:HG3	1:82:A:ASN:H	11	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3884)	1:89:B:MET:HG3	1:82:A:ASN:H	17	0.98
(1,3883)	1:89:A:MET:HG3	1:82:B:ASN:H	11	0.98
(1,3790)	1:91:B:CYS:HA	1:18:A:ILE:HG23	4	0.98
(1,3777)	1:57:A:PRO:HA	1:63:A:MET:HG3	8	0.98
(1,3772)	1:75:B:LEU:HD23	1:70:B:ASN:HB3	17	0.98
(1,3761)	1:58:A:GLY:HA3	1:62:A:ARG:HG2	1	0.98
(1,3756)	1:39:B:PHE:HB2	1:43:B:MET:HB2	18	0.98
(1,3755)	1:39:A:PHE:HB2	1:43:A:MET:HB2	18	0.98
(1,3614)	1:52:B:LYS:HG3	1:59:B:VAL:HG11	15	0.98
(1,3558)	1:68:B:ASP:HA	1:33:B:THR:HG21	5	0.98
(1,3466)	1:100:B:PRO:HD2	1:98:B:ALA:HB3	11	0.98
(1,3465)	1:100:A:PRO:HD2	1:98:A:ALA:HB3	11	0.98
(1,3428)	1:62:B:ARG:HD2	1:59:B:VAL:HG13	15	0.98
(1,3427)	1:62:A:ARG:HD2	1:59:A:VAL:HG13	15	0.98
(1,3405)	1:9:A:GLU:HB3	1:17:B:LEU:HG	4	0.98
(1,3361)	1:19:A:ALA:HB1	1:9:B:GLU:HA	15	0.98
(1,3359)	1:19:A:ALA:HB1	1:9:B:GLU:HA	15	0.98
(1,3350)	1:14:B:ILE:HD13	1:88:A:ALA:HB1	15	0.98
(1,1628)	1:24:B:TYR:HB3	1:42:B:PHE:HB3	8	0.98
(1,1627)	1:24:A:TYR:HB3	1:42:A:PHE:HB3	8	0.98
(1,635)	1:62:A:ARG:HG2	1:61:A:ASP:HB2	1	0.98
(1,224)	1:34:B:LEU:HB2	1:39:B:PHE:HB3	8	0.98
(1,223)	1:34:A:LEU:HB2	1:39:A:PHE:HB3	8	0.98
(1,14)	1:14:B:ILE:HG23	1:84:A:ILE:HG23	2	0.98
(1,13)	1:14:A:ILE:HG23	1:84:B:ILE:HG23	2	0.98
(1,12)	1:18:B:ILE:HG23	1:94:A:SER:HB2	2	0.98
(1,11)	1:18:A:ILE:HG23	1:94:B:SER:HB2	2	0.98
(1,11)	1:18:A:ILE:HG22	1:94:B:SER:HB2	19	0.98
(2,154)	1:71:B:SER:H	1:73:B:GLY:HA3	7	0.97
(2,154)	1:71:B:SER:H	1:73:B:GLY:HA3	10	0.97
(2,153)	1:71:A:SER:H	1:73:A:GLY:HA3	3	0.97
(2,153)	1:71:A:SER:H	1:73:A:GLY:HA3	7	0.97
(2,153)	1:71:A:SER:H	1:73:A:GLY:HA3	10	0.97
(2,153)	1:71:A:SER:H	1:73:A:GLY:HA3	13	0.97
(1,5536)	1:23:B:LYS:H	1:22:B:GLN:HG3	1	0.97
(1,5535)	1:23:A:LYS:H	1:22:A:GLN:HG3	1	0.97
(1,5500)	1:51:B:THR:H	1:49:B:ALA:HB1	13	0.97
(1,5500)	1:51:B:THR:H	1:49:B:ALA:HB2	16	0.97
(1,5500)	1:51:B:THR:H	1:49:B:ALA:HB2	18	0.97
(1,5499)	1:51:A:THR:H	1:49:A:ALA:HB3	8	0.97
(1,5499)	1:51:A:THR:H	1:49:A:ALA:HB1	13	0.97
(1,5499)	1:51:A:THR:H	1:49:A:ALA:HB2	18	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5499)	1:51:A:THR:H	1:49:A:ALA:HB2	20	0.97
(1,5496)	1:59:B:VAL:H	1:61:B:ASP:HB3	1	0.97
(1,5496)	1:90:B:ALA:H	1:89:B:MET:HG2	5	0.97
(1,5496)	1:90:B:ALA:H	1:89:B:MET:HG2	15	0.97
(1,5495)	1:59:A:VAL:H	1:61:A:ASP:HB3	1	0.97
(1,5495)	1:90:A:ALA:H	1:89:A:MET:HG2	5	0.97
(1,5495)	1:90:A:ALA:H	1:89:A:MET:HG2	6	0.97
(1,5495)	1:90:A:ALA:H	1:89:A:MET:HG2	9	0.97
(1,5495)	1:90:A:ALA:H	1:89:A:MET:HG2	15	0.97
(1,5440)	1:93:B:ASP:H	1:96:B:LEU:HB2	17	0.97
(1,5439)	1:93:A:ASP:H	1:96:A:LEU:HB2	17	0.97
(1,5404)	1:12:B:ARG:H	1:14:B:ILE:HD13	13	0.97
(1,5403)	1:12:A:ARG:H	1:14:A:ILE:HD13	13	0.97
(1,5403)	1:12:A:ARG:H	1:14:A:ILE:HD11	20	0.97
(1,5346)	1:51:B:THR:H	1:47:B:LEU:HD13	11	0.97
(1,5332)	1:21:B:PHE:H	1:18:B:ILE:HG21	1	0.97
(1,5332)	1:21:B:PHE:H	1:18:B:ILE:HG21	19	0.97
(1,5331)	1:21:A:PHE:H	1:18:A:ILE:HG21	1	0.97
(1,5331)	1:21:A:PHE:H	1:18:A:ILE:HG21	19	0.97
(1,5328)	1:99:B:VAL:H	1:96:B:LEU:HD21	17	0.97
(1,5327)	1:99:A:VAL:H	1:96:A:LEU:HD21	17	0.97
(1,5306)	1:81:B:LEU:H	1:82:B:ASN:HB3	8	0.97
(1,5217)	1:9:A:GLU:H	1:47:B:LEU:HD23	6	0.97
(1,4974)	1:83:B:LEU:HD21	1:80:B:PHE:HA	7	0.97
(1,4973)	1:83:A:LEU:HD21	1:80:A:PHE:HA	7	0.97
(1,4818)	1:59:B:VAL:HA	1:62:B:ARG:HG2	7	0.97
(1,4818)	1:59:B:VAL:HA	1:62:B:ARG:HG2	14	0.97
(1,4817)	1:59:A:VAL:HA	1:62:A:ARG:HG2	7	0.97
(1,4688)	1:61:B:ASP:H	1:40:B:LEU:HD22	17	0.97
(1,4687)	1:61:A:ASP:H	1:40:A:LEU:HD22	17	0.97
(1,4686)	1:20:B:VAL:HG13	1:23:B:LYS:HB2	8	0.97
(1,4686)	1:20:B:VAL:HG13	1:22:B:GLN:HB3	20	0.97
(1,4618)	1:68:B:ASP:HA	1:74:B:GLN:HB3	7	0.97
(1,4617)	1:68:A:ASP:HA	1:74:A:GLN:HB3	7	0.97
(1,4550)	1:88:B:ALA:HB3	1:91:B:CYS:HB2	20	0.97
(1,4549)	1:88:A:ALA:HB3	1:91:A:CYS:HB2	20	0.97
(1,4488)	1:84:B:ILE:HB	1:17:B:LEU:HD22	17	0.97
(1,4487)	1:84:A:ILE:HB	1:17:A:LEU:HD22	17	0.97
(1,4399)	1:48:A:ALA:HB3	1:47:A:LEU:HD22	9	0.97
(1,4394)	1:17:B:LEU:HB2	1:9:A:GLU:HG3	15	0.97
(1,4392)	1:17:B:LEU:HG	1:81:B:LEU:HD23	4	0.97
(1,4392)	1:17:B:LEU:HG	1:81:B:LEU:HD23	9	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4391)	1:17:A:LEU:HG	1:81:A:LEU:HD23	9	0.97
(1,4391)	1:17:A:LEU:HG	1:81:A:LEU:HD22	20	0.97
(1,4359)	1:49:A:ALA:HB3	1:47:A:LEU:HD22	10	0.97
(1,4328)	1:15:B:GLU:HG3	1:88:A:ALA:HB1	3	0.97
(1,4316)	1:22:B:GLN:HA	1:26:B:GLY:HA2	4	0.97
(1,4315)	1:22:A:GLN:HA	1:26:A:GLY:HA2	4	0.97
(1,4272)	1:82:B:ASN:HA	1:83:B:LEU:HA	1	0.97
(1,4271)	1:82:A:ASN:HA	1:83:A:LEU:HA	1	0.97
(1,4258)	1:10:B:THR:HA	1:14:B:ILE:HD12	18	0.97
(1,4258)	1:10:B:THR:HA	1:14:B:ILE:HD11	20	0.97
(1,4257)	1:10:A:THR:HA	1:14:A:ILE:HD11	20	0.97
(1,4230)	1:14:B:ILE:HB	1:13:B:CYS:HB3	4	0.97
(1,4214)	1:53:B:ASN:H	1:52:B:LYS:HD3	8	0.97
(1,4214)	1:66:B:LYS:H	1:65:B:LYS:HD2	17	0.97
(1,4213)	1:53:A:ASN:H	1:52:A:LYS:HD3	8	0.97
(1,4198)	1:60:B:LEU:HD12	1:44:B:ASN:HB2	9	0.97
(1,4197)	1:60:A:LEU:HD12	1:44:A:ASN:HB2	9	0.97
(1,4120)	1:46:B:GLU:HB3	1:23:B:LYS:HG3	5	0.97
(1,4119)	1:46:A:GLU:HB3	1:23:A:LYS:HG3	5	0.97
(1,4093)	1:38:A:GLU:HB3	1:27:A:LYS:HE2	8	0.97
(1,4058)	1:18:B:ILE:HG22	1:91:A:CYS:HB3	11	0.97
(1,4058)	1:18:B:ILE:HG22	1:91:A:CYS:HB3	18	0.97
(1,4057)	1:18:A:ILE:HG22	1:91:B:CYS:HB3	11	0.97
(1,3959)	1:99:A:VAL:HG12	1:100:A:PRO:HD2	4	0.97
(1,3883)	1:89:A:MET:HG3	1:82:B:ASN:H	17	0.97
(1,3776)	1:49:B:ALA:HB3	1:87:B:LEU:HD21	12	0.97
(1,3772)	1:96:B:LEU:HD23	1:93:B:ASP:HB2	8	0.97
(1,3771)	1:96:A:LEU:HD23	1:93:A:ASP:HB2	8	0.97
(1,3762)	1:58:B:GLY:HA3	1:62:B:ARG:HG2	1	0.97
(1,3750)	1:49:B:ALA:HB2	1:87:B:LEU:HD22	16	0.97
(1,3720)	1:47:B:LEU:HD12	1:10:A:THR:H	12	0.97
(1,3656)	1:48:B:ALA:HB1	1:46:B:GLU:HG2	17	0.97
(1,3655)	1:48:A:ALA:HB1	1:46:A:GLU:HG2	17	0.97
(1,3613)	1:52:A:LYS:HG3	1:59:A:VAL:HG11	15	0.97
(1,3607)	1:37:A:THR:HG21	1:39:A:PHE:H	12	0.97
(1,3557)	1:68:A:ASP:HA	1:33:A:THR:HG21	5	0.97
(1,3552)	1:47:B:LEU:HB2	1:11:A:GLU:HG3	10	0.97
(1,3551)	1:47:A:LEU:HB2	1:11:B:GLU:HG3	10	0.97
(1,3534)	1:47:B:LEU:HB2	1:11:A:GLU:HG3	7	0.97
(1,3379)	1:20:A:VAL:HG11	1:12:B:ARG:HG3	9	0.97
(1,3363)	1:81:A:LEU:HD22	1:81:B:LEU:HA	15	0.97
(1,3361)	1:19:A:ALA:HB2	1:9:B:GLU:HA	19	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3359)	1:19:A:ALA:HB2	1:9:B:GLU:HA	19	0.97
(1,3349)	1:14:A:ILE:HD13	1:88:B:ALA:HB1	15	0.97
(1,2636)	1:43:B:MET:H	1:34:B:LEU:HD23	7	0.97
(1,2635)	1:43:A:MET:H	1:34:A:LEU:HD23	7	0.97
(1,1768)	1:20:B:VAL:HG11	1:24:B:TYR:H	17	0.97
(1,1767)	1:20:A:VAL:HG11	1:24:A:TYR:H	17	0.97
(1,948)	1:13:B:CYS:HB2	1:10:B:THR:HG23	18	0.97
(1,947)	1:13:A:CYS:HB2	1:10:A:THR:HG23	18	0.97
(1,636)	1:62:B:ARG:HG2	1:61:B:ASP:HB2	1	0.97
(1,636)	1:62:B:ARG:HG2	1:61:B:ASP:HB2	10	0.97
(1,635)	1:62:A:ARG:HG2	1:61:A:ASP:HB2	10	0.97
(1,565)	1:25:A:ALA:HB1	1:33:A:THR:HG21	6	0.97
(1,342)	1:69:B:THR:HB	1:75:B:LEU:HD21	2	0.97
(1,341)	1:69:A:THR:HB	1:75:A:LEU:HD21	2	0.97
(1,105)	1:102:A:GLN:HG3	1:22:B:GLN:HB3	8	0.97
(1,90)	1:15:B:GLU:HB2	1:9:A:GLU:HG3	13	0.97
(1,88)	1:15:B:GLU:HB2	1:9:A:GLU:HG3	13	0.97
(1,11)	1:18:A:ILE:HG23	1:94:B:SER:HB2	17	0.97
(2,154)	1:71:B:SER:H	1:73:B:GLY:HA3	3	0.96
(2,154)	1:71:B:SER:H	1:73:B:GLY:HA3	5	0.96
(2,154)	1:71:B:SER:H	1:73:B:GLY:HA3	9	0.96
(2,154)	1:71:B:SER:H	1:73:B:GLY:HA3	15	0.96
(2,153)	1:71:A:SER:H	1:73:A:GLY:HA3	9	0.96
(2,153)	1:71:A:SER:H	1:73:A:GLY:HA3	15	0.96
(1,5590)	1:19:B:ALA:H	1:14:B:ILE:HG23	1	0.96
(1,5590)	1:19:B:ALA:H	1:14:B:ILE:HG22	16	0.96
(1,5589)	1:19:A:ALA:H	1:14:A:ILE:HG23	1	0.96
(1,5589)	1:19:A:ALA:H	1:14:A:ILE:HG22	16	0.96
(1,5500)	1:51:B:THR:H	1:49:B:ALA:HB3	8	0.96
(1,5500)	1:51:B:THR:H	1:49:B:ALA:HB2	20	0.96
(1,5496)	1:90:B:ALA:H	1:89:B:MET:HG2	9	0.96
(1,5496)	1:90:B:ALA:H	1:89:B:MET:HG2	19	0.96
(1,5495)	1:90:A:ALA:H	1:89:A:MET:HG2	19	0.96
(1,5480)	1:86:B:GLY:H	1:67:B:LEU:HD21	18	0.96
(1,5479)	1:86:A:GLY:H	1:67:A:LEU:HD21	18	0.96
(1,5345)	1:51:A:THR:H	1:47:A:LEU:HD13	11	0.96
(1,5332)	1:21:B:PHE:H	1:18:B:ILE:HG23	10	0.96
(1,5331)	1:21:A:PHE:H	1:18:A:ILE:HG23	10	0.96
(1,5305)	1:81:A:LEU:H	1:82:A:ASN:HB3	8	0.96
(1,5217)	1:9:A:GLU:H	1:47:B:LEU:HD21	12	0.96
(1,5214)	1:77:B:PHE:H	1:81:B:LEU:HB2	2	0.96
(1,5213)	1:77:A:PHE:H	1:81:A:LEU:HB2	2	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4845)	1:66:A:LYS:HE2	1:62:A:ARG:HD3	19	0.96
(1,4818)	1:59:B:VAL:HA	1:62:B:ARG:HG2	3	0.96
(1,4818)	1:59:B:VAL:HA	1:62:B:ARG:HG2	4	0.96
(1,4817)	1:59:A:VAL:HA	1:62:A:ARG:HG2	3	0.96
(1,4817)	1:59:A:VAL:HA	1:62:A:ARG:HG2	4	0.96
(1,4685)	1:20:A:VAL:HG11	1:23:A:LYS:HB2	3	0.96
(1,4685)	1:20:A:VAL:HG13	1:23:A:LYS:HB2	8	0.96
(1,4629)	1:66:A:LYS:HE2	1:62:A:ARG:HD3	19	0.96
(1,4618)	1:68:B:ASP:HA	1:74:B:GLN:HB3	2	0.96
(1,4604)	1:47:B:LEU:HD11	1:42:B:PHE:HA	17	0.96
(1,4603)	1:47:A:LEU:HD11	1:42:A:PHE:HA	17	0.96
(1,4462)	1:100:B:PRO:HD3	1:99:B:VAL:HG21	3	0.96
(1,4461)	1:100:A:PRO:HD3	1:99:A:VAL:HG21	3	0.96
(1,4400)	1:48:B:ALA:HB2	1:47:B:LEU:HD22	2	0.96
(1,4400)	1:48:B:ALA:HB1	1:47:B:LEU:HD21	3	0.96
(1,4400)	1:48:B:ALA:HB3	1:47:B:LEU:HD22	9	0.96
(1,4400)	1:48:B:ALA:HB2	1:47:B:LEU:HD23	14	0.96
(1,4400)	1:48:B:ALA:HB2	1:47:B:LEU:HD23	15	0.96
(1,4399)	1:48:A:ALA:HB2	1:47:A:LEU:HD22	2	0.96
(1,4394)	1:17:B:LEU:HB2	1:9:A:GLU:HG3	3	0.96
(1,4393)	1:17:A:LEU:HB2	1:9:B:GLU:HG3	15	0.96
(1,4392)	1:17:B:LEU:HG	1:81:B:LEU:HD23	1	0.96
(1,4392)	1:17:B:LEU:HG	1:81:B:LEU:HD22	20	0.96
(1,4391)	1:17:A:LEU:HG	1:81:A:LEU:HD23	1	0.96
(1,4360)	1:49:B:ALA:HB3	1:47:B:LEU:HD22	10	0.96
(1,4360)	1:49:B:ALA:HB2	1:47:B:LEU:HD21	18	0.96
(1,4359)	1:49:A:ALA:HB2	1:47:A:LEU:HD21	18	0.96
(1,4272)	1:82:B:ASN:HA	1:83:B:LEU:HA	16	0.96
(1,4272)	1:82:B:ASN:HA	1:83:B:LEU:HA	17	0.96
(1,4271)	1:82:A:ASN:HA	1:83:A:LEU:HA	16	0.96
(1,4271)	1:82:A:ASN:HA	1:83:A:LEU:HA	17	0.96
(1,4258)	1:10:B:THR:HA	1:14:B:ILE:HD12	12	0.96
(1,4257)	1:10:A:THR:HA	1:14:A:ILE:HD12	12	0.96
(1,4213)	1:66:A:LYS:H	1:65:A:LYS:HD2	17	0.96
(1,4120)	1:46:B:GLU:HB3	1:87:B:LEU:HD11	18	0.96
(1,4119)	1:46:A:GLU:HB3	1:87:A:LEU:HD11	18	0.96
(1,4102)	1:36:B:LYS:HD2	1:65:B:LYS:H	6	0.96
(1,4066)	1:44:B:ASN:HB3	1:60:B:LEU:HD12	10	0.96
(1,4065)	1:44:A:ASN:HB3	1:60:A:LEU:HD12	10	0.96
(1,4048)	1:74:B:GLN:HB2	1:76:B:ASP:HB3	15	0.96
(1,4047)	1:74:A:GLN:HB2	1:76:A:ASP:HB3	15	0.96
(1,4030)	1:73:B:GLY:HA3	1:36:B:LYS:HD3	14	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4029)	1:73:A:GLY:HA3	1:36:A:LYS:HD3	14	0.96
(1,3956)	1:48:B:ALA:HA	1:50:B:PHE:HB3	2	0.96
(1,3955)	1:48:A:ALA:HA	1:50:A:PHE:HB3	2	0.96
(1,3954)	1:77:B:PHE:HB2	1:17:B:LEU:HB3	2	0.96
(1,3953)	1:77:A:PHE:HB2	1:17:A:LEU:HB3	2	0.96
(1,3936)	1:82:B:ASN:HB3	1:66:B:LYS:HD2	6	0.96
(1,3935)	1:82:A:ASN:HB3	1:66:A:LYS:HD2	6	0.96
(1,3838)	1:33:B:THR:HA	1:34:B:LEU:HG	18	0.96
(1,3837)	1:33:A:THR:HA	1:34:A:LEU:HG	18	0.96
(1,3776)	1:49:B:ALA:HB1	1:87:B:LEU:HD21	5	0.96
(1,3775)	1:49:A:ALA:HB1	1:87:A:LEU:HD21	5	0.96
(1,3775)	1:49:A:ALA:HB3	1:87:A:LEU:HD21	12	0.96
(1,3719)	1:47:A:LEU:HD12	1:10:B:THR:H	20	0.96
(1,3678)	1:74:B:GLN:HG2	1:34:B:LEU:HA	2	0.96
(1,3678)	1:74:B:GLN:HG2	1:34:B:LEU:HA	15	0.96
(1,3677)	1:74:A:GLN:HG2	1:34:A:LEU:HA	2	0.96
(1,3677)	1:74:A:GLN:HG2	1:34:A:LEU:HA	15	0.96
(1,3668)	1:17:B:LEU:HD12	1:16:B:SER:H	20	0.96
(1,3667)	1:17:A:LEU:HD12	1:16:A:SER:H	20	0.96
(1,3608)	1:37:B:THR:HG21	1:39:B:PHE:H	12	0.96
(1,3600)	1:37:B:THR:HG23	1:40:B:LEU:HA	19	0.96
(1,3599)	1:37:A:THR:HG23	1:40:A:LEU:HA	19	0.96
(1,3534)	1:87:B:LEU:HB2	1:89:B:MET:HB2	4	0.96
(1,3458)	1:11:B:GLU:HA	1:12:B:ARG:HD2	17	0.96
(1,3457)	1:11:A:GLU:HA	1:12:A:ARG:HD2	17	0.96
(1,3406)	1:9:B:GLU:HB3	1:17:A:LEU:HG	4	0.96
(1,3380)	1:20:B:VAL:HG11	1:12:A:ARG:HG3	9	0.96
(1,3364)	1:81:B:LEU:HD22	1:81:A:LEU:HA	15	0.96
(1,3359)	1:19:A:ALA:HB2	1:9:B:GLU:HA	8	0.96
(1,2138)	1:47:B:LEU:HB2	1:50:B:PHE:HB3	11	0.96
(1,2137)	1:47:A:LEU:HB2	1:50:A:PHE:HB3	11	0.96
(1,1210)	1:52:B:LYS:HE3	1:51:B:THR:HG21	9	0.96
(1,1209)	1:52:A:LYS:HE3	1:51:A:THR:HG21	9	0.96
(1,636)	1:62:B:ARG:HG2	1:61:B:ASP:HB2	8	0.96
(1,566)	1:25:B:ALA:HB1	1:33:B:THR:HG21	6	0.96
(1,486)	1:59:B:VAL:H	1:62:B:ARG:HG2	20	0.96
(1,485)	1:59:A:VAL:H	1:62:A:ARG:HG2	20	0.96
(1,342)	1:69:B:THR:HB	1:75:B:LEU:HD23	16	0.96
(1,341)	1:69:A:THR:HB	1:75:A:LEU:HD23	16	0.96
(1,89)	1:15:A:GLU:HB2	1:9:B:GLU:HG3	13	0.96
(1,87)	1:15:A:GLU:HB2	1:9:B:GLU:HG3	13	0.96
(1,56)	1:17:B:LEU:HD11	1:13:A:CYS:HB2	2	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,12)	1:18:B:ILE:HG23	1:94:A:SER:HB2	3	0.96
(2,154)	1:71:B:SER:H	1:73:B:GLY:HA3	4	0.95
(2,154)	1:71:B:SER:H	1:73:B:GLY:HA3	8	0.95
(2,154)	1:71:B:SER:H	1:73:B:GLY:HA3	11	0.95
(2,154)	1:71:B:SER:H	1:73:B:GLY:HA3	14	0.95
(2,154)	1:71:B:SER:H	1:73:B:GLY:HA3	16	0.95
(2,154)	1:71:B:SER:H	1:73:B:GLY:HA3	19	0.95
(2,153)	1:71:A:SER:H	1:73:A:GLY:HA3	4	0.95
(2,153)	1:71:A:SER:H	1:73:A:GLY:HA3	5	0.95
(2,153)	1:71:A:SER:H	1:73:A:GLY:HA3	8	0.95
(2,153)	1:71:A:SER:H	1:73:A:GLY:HA3	11	0.95
(2,153)	1:71:A:SER:H	1:73:A:GLY:HA3	14	0.95
(2,153)	1:71:A:SER:H	1:73:A:GLY:HA3	16	0.95
(2,153)	1:71:A:SER:H	1:73:A:GLY:HA3	19	0.95
(1,5496)	1:90:B:ALA:H	1:89:B:MET:HG2	2	0.95
(1,5496)	1:90:B:ALA:H	1:89:B:MET:HG2	8	0.95
(1,5496)	1:59:B:VAL:H	1:61:B:ASP:HB2	14	0.95
(1,5495)	1:90:A:ALA:H	1:89:A:MET:HG2	2	0.95
(1,5495)	1:90:A:ALA:H	1:89:A:MET:HG2	8	0.95
(1,5495)	1:59:A:VAL:H	1:61:A:ASP:HB2	14	0.95
(1,5458)	1:95:B:PHE:H	1:96:B:LEU:HD22	18	0.95
(1,5457)	1:95:A:PHE:H	1:96:A:LEU:HD22	18	0.95
(1,5385)	1:40:A:LEU:H	1:34:A:LEU:HD12	8	0.95
(1,5349)	1:26:A:GLY:H	1:22:A:GLN:HB3	15	0.95
(1,5346)	1:51:B:THR:H	1:47:B:LEU:HD13	12	0.95
(1,5345)	1:51:A:THR:H	1:47:A:LEU:HD13	12	0.95
(1,5322)	1:47:B:LEU:H	1:87:B:LEU:HD21	10	0.95
(1,5321)	1:47:A:LEU:H	1:87:A:LEU:HD21	10	0.95
(1,5313)	1:92:A:HIS:H	1:18:B:ILE:HG22	7	0.95
(1,4857)	1:23:A:LYS:HB2	1:23:A:LYS:HE3	16	0.95
(1,4846)	1:66:B:LYS:HE2	1:62:B:ARG:HD3	19	0.95
(1,4830)	1:18:B:ILE:HG22	1:14:B:ILE:HG23	6	0.95
(1,4829)	1:18:A:ILE:HG22	1:14:A:ILE:HG23	6	0.95
(1,4806)	1:18:B:ILE:HG22	1:14:B:ILE:HG23	6	0.95
(1,4805)	1:18:A:ILE:HG22	1:14:A:ILE:HG23	6	0.95
(1,4781)	1:8:A:THR:HB	1:7:A:PRO:HG2	14	0.95
(1,4686)	1:20:B:VAL:HG11	1:23:B:LYS:HB2	3	0.95
(1,4630)	1:66:B:LYS:HE2	1:62:B:ARG:HD3	19	0.95
(1,4617)	1:68:A:ASP:HA	1:74:A:GLN:HB3	2	0.95
(1,4564)	1:48:B:ALA:HB1	1:52:B:LYS:HD3	12	0.95
(1,4563)	1:48:A:ALA:HB1	1:52:A:LYS:HD3	12	0.95
(1,4399)	1:48:A:ALA:HB1	1:47:A:LEU:HD21	3	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4399)	1:48:A:ALA:HB2	1:47:A:LEU:HD23	14	0.95
(1,4399)	1:48:A:ALA:HB2	1:47:A:LEU:HD23	15	0.95
(1,4376)	1:74:B:GLN:H	1:33:B:THR:HG21	19	0.95
(1,4375)	1:74:A:GLN:H	1:33:A:THR:HG21	19	0.95
(1,4360)	1:49:B:ALA:HB3	1:47:B:LEU:HD22	11	0.95
(1,4328)	1:15:B:GLU:HG3	1:88:A:ALA:HB1	11	0.95
(1,4327)	1:15:A:GLU:HG3	1:88:B:ALA:HB1	17	0.95
(1,4272)	1:82:B:ASN:HA	1:83:B:LEU:HA	5	0.95
(1,4272)	1:82:B:ASN:HA	1:83:B:LEU:HA	13	0.95
(1,4271)	1:82:A:ASN:HA	1:83:A:LEU:HA	5	0.95
(1,4271)	1:82:A:ASN:HA	1:83:A:LEU:HA	13	0.95
(1,4258)	1:10:B:THR:HA	1:14:B:ILE:HD12	3	0.95
(1,4101)	1:36:A:LYS:HD2	1:65:A:LYS:H	6	0.95
(1,4048)	1:74:B:GLN:HB2	1:76:B:ASP:HB3	14	0.95
(1,4047)	1:74:A:GLN:HB2	1:76:A:ASP:HB3	14	0.95
(1,3956)	1:48:B:ALA:HA	1:50:B:PHE:HB3	7	0.95
(1,3956)	1:48:B:ALA:HA	1:50:B:PHE:HB3	19	0.95
(1,3955)	1:48:A:ALA:HA	1:50:A:PHE:HB3	7	0.95
(1,3955)	1:48:A:ALA:HA	1:50:A:PHE:HB3	19	0.95
(1,3938)	1:39:B:PHE:HB2	1:36:B:LYS:HG3	6	0.95
(1,3937)	1:39:A:PHE:HB2	1:36:A:LYS:HG3	6	0.95
(1,3899)	1:34:A:LEU:HB2	1:74:A:GLN:HG2	20	0.95
(1,3897)	1:10:A:THR:HA	1:14:A:ILE:HB	18	0.95
(1,3870)	1:12:B:ARG:HD3	1:14:B:ILE:HA	12	0.95
(1,3869)	1:12:A:ARG:HD3	1:14:A:ILE:HA	12	0.95
(1,3837)	1:33:A:THR:HA	1:34:A:LEU:HG	7	0.95
(1,3789)	1:91:A:CYS:HA	1:18:B:ILE:HG22	1	0.95
(1,3771)	1:75:A:LEU:HD22	1:70:A:ASN:HB3	19	0.95
(1,3750)	1:49:B:ALA:HB2	1:87:B:LEU:HD23	18	0.95
(1,3749)	1:49:A:ALA:HB2	1:87:A:LEU:HD23	18	0.95
(1,3730)	1:18:B:ILE:HG21	1:95:A:PHE:HA	13	0.95
(1,3729)	1:18:A:ILE:HG21	1:95:B:PHE:HA	13	0.95
(1,3720)	1:47:B:LEU:HD12	1:10:A:THR:H	20	0.95
(1,3719)	1:47:A:LEU:HD12	1:10:B:THR:H	12	0.95
(1,3678)	1:74:B:GLN:HG2	1:34:B:LEU:HA	16	0.95
(1,3677)	1:74:A:GLN:HG2	1:34:A:LEU:HA	16	0.95
(1,3648)	1:12:B:ARG:HD3	1:14:B:ILE:HA	12	0.95
(1,3647)	1:12:A:ARG:HD3	1:14:A:ILE:HA	12	0.95
(1,3646)	1:12:B:ARG:HD3	1:14:B:ILE:HA	12	0.95
(1,3645)	1:12:A:ARG:HD3	1:14:A:ILE:HA	12	0.95
(1,3596)	1:13:B:CYS:HB2	1:20:A:VAL:HG11	4	0.95
(1,3595)	1:13:A:CYS:HB2	1:20:B:VAL:HG11	4	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3562)	1:76:B:ASP:HA	1:34:B:LEU:HD12	13	0.95
(1,3561)	1:76:A:ASP:HA	1:34:A:LEU:HD12	13	0.95
(1,3552)	1:87:B:LEU:HB2	1:89:B:MET:HB2	11	0.95
(1,3552)	1:47:B:LEU:HB2	1:11:A:GLU:HG3	19	0.95
(1,3551)	1:47:A:LEU:HB2	1:11:B:GLU:HG3	3	0.95
(1,3551)	1:87:A:LEU:HB2	1:89:A:MET:HB2	11	0.95
(1,3534)	1:47:B:LEU:HB2	1:11:A:GLU:HG3	1	0.95
(1,3533)	1:47:A:LEU:HB2	1:11:B:GLU:HG3	1	0.95
(1,3533)	1:47:A:LEU:HB2	1:11:B:GLU:HG3	4	0.95
(1,3533)	1:47:A:LEU:HB2	1:11:B:GLU:HG3	19	0.95
(1,3424)	1:60:B:LEU:HB2	1:37:B:THR:HA	15	0.95
(1,3423)	1:60:A:LEU:HB2	1:37:A:THR:HA	15	0.95
(1,3362)	1:19:B:ALA:HB2	1:9:A:GLU:HA	19	0.95
(1,3361)	1:19:A:ALA:HB2	1:10:B:THR:HB	8	0.95
(1,3360)	1:19:B:ALA:HB2	1:9:A:GLU:HA	8	0.95
(1,3360)	1:19:B:ALA:HB2	1:9:A:GLU:HA	19	0.95
(1,2506)	1:37:B:THR:H	1:34:B:LEU:HD23	11	0.95
(1,2505)	1:37:A:THR:H	1:34:A:LEU:HD23	11	0.95
(1,1014)	1:62:B:ARG:HB3	1:63:B:MET:HG2	20	0.95
(1,1013)	1:62:A:ARG:HB3	1:63:A:MET:HG2	20	0.95
(1,635)	1:62:A:ARG:HG2	1:61:A:ASP:HB2	8	0.95
(1,341)	1:69:A:THR:HB	1:75:A:LEU:HD21	14	0.95
(1,320)	1:74:B:GLN:HB3	1:76:B:ASP:HB3	7	0.95
(1,319)	1:74:A:GLN:HB3	1:76:A:ASP:HB3	7	0.95
(1,79)	1:12:A:ARG:HG3	1:17:B:LEU:HD22	15	0.95
(1,77)	1:12:A:ARG:HG3	1:17:B:LEU:HD22	15	0.95
(1,55)	1:17:A:LEU:HD11	1:13:B:CYS:HB2	2	0.95
(2,154)	1:71:B:SER:H	1:73:B:GLY:HA3	2	0.94
(2,154)	1:71:B:SER:H	1:73:B:GLY:HA3	12	0.94
(2,153)	1:71:A:SER:H	1:73:A:GLY:HA3	2	0.94
(2,153)	1:71:A:SER:H	1:73:A:GLY:HA3	12	0.94
(1,5499)	1:51:A:THR:H	1:49:A:ALA:HB3	10	0.94
(1,5496)	1:90:B:ALA:H	1:89:B:MET:HG2	12	0.94
(1,5495)	1:90:A:ALA:H	1:89:A:MET:HG2	12	0.94
(1,5486)	1:87:B:LEU:H	1:14:A:ILE:HD11	8	0.94
(1,5486)	1:87:B:LEU:H	1:14:A:ILE:HD11	12	0.94
(1,5478)	1:37:B:THR:H	1:40:B:LEU:HD12	17	0.94
(1,5477)	1:37:A:THR:H	1:40:A:LEU:HD12	17	0.94
(1,5404)	1:12:B:ARG:H	1:14:B:ILE:HD13	4	0.94
(1,5404)	1:12:B:ARG:H	1:14:B:ILE:HD13	7	0.94
(1,5403)	1:12:A:ARG:H	1:14:A:ILE:HD13	4	0.94
(1,5403)	1:12:A:ARG:H	1:14:A:ILE:HD13	7	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5386)	1:40:B:LEU:H	1:34:B:LEU:HD12	1	0.94
(1,5386)	1:40:B:LEU:H	1:34:B:LEU:HD12	8	0.94
(1,5385)	1:40:A:LEU:H	1:34:A:LEU:HD12	1	0.94
(1,5373)	1:10:A:THR:H	1:47:B:LEU:HD21	11	0.94
(1,5350)	1:26:B:GLY:H	1:22:B:GLN:HB3	15	0.94
(1,5314)	1:92:B:HIS:H	1:18:A:ILE:HG23	20	0.94
(1,5313)	1:92:A:HIS:H	1:18:B:ILE:HG23	20	0.94
(1,5218)	1:9:B:GLU:H	1:47:A:LEU:HD21	12	0.94
(1,5214)	1:77:B:PHE:H	1:81:B:LEU:HB2	3	0.94
(1,5213)	1:77:A:PHE:H	1:81:A:LEU:HB2	3	0.94
(1,5202)	1:40:B:LEU:H	1:64:B:MET:HG3	5	0.94
(1,5201)	1:40:A:LEU:H	1:64:A:MET:HG3	5	0.94
(1,4858)	1:23:B:LYS:HB2	1:23:B:LYS:HE3	10	0.94
(1,4858)	1:23:B:LYS:HB2	1:23:B:LYS:HE3	16	0.94
(1,4857)	1:23:A:LYS:HB2	1:23:A:LYS:HE3	10	0.94
(1,4817)	1:59:A:VAL:HA	1:62:A:ARG:HG2	1	0.94
(1,4782)	1:8:B:THR:HB	1:7:B:PRO:HG2	14	0.94
(1,4758)	1:60:B:LEU:HD12	1:47:B:LEU:H	8	0.94
(1,4757)	1:60:A:LEU:HD12	1:47:A:LEU:H	8	0.94
(1,4678)	1:39:B:PHE:HA	1:46:B:GLU:HB2	7	0.94
(1,4677)	1:65:A:LYS:HD2	1:36:A:LYS:HA	1	0.94
(1,4677)	1:39:A:PHE:HA	1:46:A:GLU:HB2	7	0.94
(1,4628)	1:60:B:LEU:HD23	1:47:B:LEU:H	3	0.94
(1,4627)	1:60:A:LEU:HD23	1:47:A:LEU:H	3	0.94
(1,4463)	1:83:A:LEU:HD12	1:86:A:GLY:H	5	0.94
(1,4438)	1:22:B:GLN:HG2	1:25:B:ALA:HB1	14	0.94
(1,4437)	1:22:A:GLN:HG2	1:25:A:ALA:HB1	14	0.94
(1,4400)	1:48:B:ALA:HB3	1:47:B:LEU:HD22	17	0.94
(1,4400)	1:48:B:ALA:HB2	1:47:B:LEU:HD22	19	0.94
(1,4399)	1:48:A:ALA:HB2	1:47:A:LEU:HD21	18	0.94
(1,4399)	1:48:A:ALA:HB2	1:47:A:LEU:HD22	19	0.94
(1,4394)	1:17:B:LEU:HB2	1:9:A:GLU:HG3	17	0.94
(1,4360)	1:49:B:ALA:HB2	1:47:B:LEU:HD23	4	0.94
(1,4360)	1:49:B:ALA:HB1	1:47:B:LEU:HD22	17	0.94
(1,4359)	1:49:A:ALA:HB2	1:47:A:LEU:HD23	4	0.94
(1,4359)	1:49:A:ALA:HB3	1:47:A:LEU:HD22	11	0.94
(1,4359)	1:49:A:ALA:HB1	1:47:A:LEU:HD22	17	0.94
(1,4327)	1:15:A:GLU:HG3	1:88:B:ALA:HB1	3	0.94
(1,4302)	1:34:B:LEU:HD12	1:80:B:PHE:HB3	16	0.94
(1,4301)	1:34:A:LEU:HD12	1:80:A:PHE:HB3	16	0.94
(1,4258)	1:10:B:THR:HA	1:14:B:ILE:HD13	13	0.94
(1,4257)	1:10:A:THR:HA	1:14:A:ILE:HD12	3	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3954)	1:77:B:PHE:HB2	1:17:B:LEU:HB3	13	0.94
(1,3953)	1:77:A:PHE:HB2	1:17:A:LEU:HB3	13	0.94
(1,3938)	1:65:B:LYS:HG2	1:64:B:MET:HA	18	0.94
(1,3900)	1:34:B:LEU:HB2	1:74:B:GLN:HG2	20	0.94
(1,3898)	1:10:B:THR:HA	1:14:B:ILE:HB	18	0.94
(1,3872)	1:77:B:PHE:H	1:34:B:LEU:HD12	10	0.94
(1,3871)	1:77:A:PHE:H	1:34:A:LEU:HD12	10	0.94
(1,3838)	1:33:B:THR:HA	1:34:B:LEU:HG	7	0.94
(1,3838)	1:33:B:THR:HA	1:34:B:LEU:HG	20	0.94
(1,3837)	1:33:A:THR:HA	1:34:A:LEU:HG	20	0.94
(1,3802)	1:21:B:PHE:HB2	1:22:B:GLN:HA	18	0.94
(1,3801)	1:21:A:PHE:HB2	1:22:A:GLN:HA	18	0.94
(1,3790)	1:91:B:CYS:HA	1:18:A:ILE:HG22	1	0.94
(1,3789)	1:91:A:CYS:HA	1:18:B:ILE:HG23	4	0.94
(1,3778)	1:57:B:PRO:HA	1:61:B:ASP:HB3	14	0.94
(1,3777)	1:57:A:PRO:HA	1:61:A:ASP:HB3	14	0.94
(1,3776)	1:49:B:ALA:HB3	1:87:B:LEU:HD21	6	0.94
(1,3775)	1:49:A:ALA:HB3	1:87:A:LEU:HD21	6	0.94
(1,3772)	1:75:B:LEU:HD22	1:70:B:ASN:HB3	19	0.94
(1,3719)	1:47:A:LEU:HD13	1:10:B:THR:H	19	0.94
(1,3656)	1:48:B:ALA:HB3	1:46:B:GLU:HG2	19	0.94
(1,3655)	1:48:A:ALA:HB3	1:46:A:GLU:HG2	19	0.94
(1,3626)	1:34:B:LEU:HA	1:24:B:TYR:HB2	10	0.94
(1,3625)	1:34:A:LEU:HA	1:24:A:TYR:HB2	10	0.94
(1,3562)	1:76:B:ASP:HA	1:34:B:LEU:HD12	3	0.94
(1,3562)	1:76:B:ASP:HA	1:34:B:LEU:HD13	11	0.94
(1,3561)	1:76:A:ASP:HA	1:34:A:LEU:HD12	3	0.94
(1,3561)	1:76:A:ASP:HA	1:34:A:LEU:HD13	11	0.94
(1,3552)	1:47:B:LEU:HB2	1:11:A:GLU:HG3	8	0.94
(1,3552)	1:87:B:LEU:HB2	1:89:B:MET:HB2	12	0.94
(1,3551)	1:87:A:LEU:HB2	1:89:A:MET:HB2	12	0.94
(1,3428)	1:62:B:ARG:HD2	1:59:B:VAL:HG13	17	0.94
(1,2506)	1:37:B:THR:H	1:34:B:LEU:HD22	5	0.94
(1,2506)	1:37:B:THR:H	1:34:B:LEU:HD23	13	0.94
(1,2505)	1:37:A:THR:H	1:34:A:LEU:HD22	5	0.94
(1,2138)	1:47:B:LEU:HB2	1:50:B:PHE:HB3	4	0.94
(1,2137)	1:47:A:LEU:HB2	1:50:A:PHE:HB3	4	0.94
(1,1628)	1:24:B:TYR:HB3	1:42:B:PHE:HB3	9	0.94
(1,1627)	1:24:A:TYR:HB3	1:42:A:PHE:HB3	9	0.94
(1,1014)	1:62:B:ARG:HB3	1:63:B:MET:HG2	4	0.94
(1,1013)	1:62:A:ARG:HB3	1:63:A:MET:HG2	4	0.94
(1,635)	1:62:A:ARG:HG2	1:61:A:ASP:HB2	11	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,342)	1:69:B:THR:HB	1:75:B:LEU:HD21	14	0.94
(1,182)	1:39:B:PHE:HB3	1:34:B:LEU:HA	1	0.94
(1,181)	1:39:A:PHE:HB3	1:34:A:LEU:HA	1	0.94
(1,106)	1:102:B:GLN:HG3	1:22:A:GLN:HB3	8	0.94
(1,90)	1:15:B:GLU:HB2	1:9:A:GLU:HG3	1	0.94
(1,89)	1:15:A:GLU:HB2	1:9:B:GLU:HG3	1	0.94
(1,88)	1:15:B:GLU:HB2	1:9:A:GLU:HG3	1	0.94
(1,87)	1:15:A:GLU:HB2	1:9:B:GLU:HG3	1	0.94
(1,80)	1:12:B:ARG:HG3	1:17:A:LEU:HD22	15	0.94
(1,80)	1:12:B:ARG:HG3	1:17:A:LEU:HD22	20	0.94
(1,78)	1:12:B:ARG:HG3	1:17:A:LEU:HD22	15	0.94
(1,78)	1:12:B:ARG:HG3	1:17:A:LEU:HD22	20	0.94
(1,14)	1:14:B:ILE:HG22	1:84:A:ILE:HG22	5	0.94
(1,13)	1:14:A:ILE:HG21	1:84:B:ILE:HG21	16	0.94
(1,11)	1:18:A:ILE:HG23	1:94:B:SER:HB2	3	0.94
(2,86)	1:42:B:PHE:HB2	1:47:B:LEU:H	8	0.93
(2,16)	1:61:B:ASP:HB2	1:62:B:ARG:HD2	15	0.93
(2,15)	1:61:A:ASP:HB2	1:62:A:ARG:HD2	15	0.93
(1,5500)	1:51:B:THR:H	1:49:B:ALA:HB3	10	0.93
(1,5500)	1:51:B:THR:H	1:49:B:ALA:HB2	15	0.93
(1,5496)	1:90:B:ALA:H	1:89:B:MET:HG2	18	0.93
(1,5495)	1:90:A:ALA:H	1:89:A:MET:HG2	18	0.93
(1,5485)	1:87:A:LEU:H	1:14:B:ILE:HD11	12	0.93
(1,5374)	1:10:B:THR:H	1:47:A:LEU:HD21	11	0.93
(1,5346)	1:51:B:THR:H	1:47:B:LEU:HD13	7	0.93
(1,5345)	1:51:A:THR:H	1:47:A:LEU:HD13	7	0.93
(1,5345)	1:51:A:THR:H	1:47:A:LEU:HD13	9	0.93
(1,5322)	1:47:B:LEU:H	1:87:B:LEU:HD12	11	0.93
(1,5321)	1:47:A:LEU:H	1:87:A:LEU:HD12	11	0.93
(1,5218)	1:9:B:GLU:H	1:47:A:LEU:HD23	1	0.93
(1,5217)	1:9:A:GLU:H	1:47:B:LEU:HD23	1	0.93
(1,5205)	1:44:A:ASN:H	1:60:A:LEU:HB2	7	0.93
(1,5202)	1:40:B:LEU:H	1:64:B:MET:HG3	14	0.93
(1,5201)	1:40:A:LEU:H	1:64:A:MET:HG3	14	0.93
(1,4857)	1:23:A:LYS:HB2	1:23:A:LYS:HE3	1	0.93
(1,4831)	1:12:A:ARG:HD2	1:12:A:ARG:HA	7	0.93
(1,4818)	1:59:B:VAL:HA	1:62:B:ARG:HG2	1	0.93
(1,4818)	1:59:B:VAL:HA	1:62:B:ARG:HG2	16	0.93
(1,4818)	1:59:B:VAL:HA	1:62:B:ARG:HG2	17	0.93
(1,4817)	1:59:A:VAL:HA	1:62:A:ARG:HG2	16	0.93
(1,4817)	1:59:A:VAL:HA	1:62:A:ARG:HG2	17	0.93
(1,4758)	1:60:B:LEU:HD12	1:47:B:LEU:H	10	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4757)	1:60:A:LEU:HD12	1:47:A:LEU:H	10	0.93
(1,4705)	1:65:A:LYS:HE2	1:68:A:ASP:HB3	19	0.93
(1,4696)	1:20:B:VAL:HG13	1:47:B:LEU:HD21	2	0.93
(1,4695)	1:20:A:VAL:HG13	1:47:A:LEU:HD21	2	0.93
(1,4685)	1:20:A:VAL:HG12	1:23:A:LYS:HB2	5	0.93
(1,4678)	1:65:B:LYS:HD2	1:36:B:LYS:HA	1	0.93
(1,4628)	1:60:B:LEU:HD22	1:47:B:LEU:H	16	0.93
(1,4627)	1:60:A:LEU:HD22	1:47:A:LEU:H	16	0.93
(1,4464)	1:83:B:LEU:HD12	1:86:B:GLY:H	5	0.93
(1,4400)	1:48:B:ALA:HB2	1:47:B:LEU:HD21	18	0.93
(1,4399)	1:48:A:ALA:HB3	1:47:A:LEU:HD22	17	0.93
(1,4376)	1:74:B:GLN:H	1:33:B:THR:HG21	13	0.93
(1,4375)	1:74:A:GLN:H	1:33:A:THR:HG21	13	0.93
(1,4341)	1:83:A:LEU:HD12	1:86:A:GLY:H	16	0.93
(1,4316)	1:37:B:THR:HA	1:40:B:LEU:HA	2	0.93
(1,4315)	1:37:A:THR:HA	1:40:A:LEU:HA	2	0.93
(1,4272)	1:82:B:ASN:HA	1:83:B:LEU:HA	3	0.93
(1,4272)	1:82:B:ASN:HA	1:83:B:LEU:HA	6	0.93
(1,4272)	1:82:B:ASN:HA	1:83:B:LEU:HA	8	0.93
(1,4272)	1:82:B:ASN:HA	1:83:B:LEU:HA	14	0.93
(1,4272)	1:82:B:ASN:HA	1:83:B:LEU:HA	20	0.93
(1,4271)	1:82:A:ASN:HA	1:83:A:LEU:HA	3	0.93
(1,4271)	1:82:A:ASN:HA	1:83:A:LEU:HA	6	0.93
(1,4271)	1:82:A:ASN:HA	1:83:A:LEU:HA	8	0.93
(1,4271)	1:82:A:ASN:HA	1:83:A:LEU:HA	14	0.93
(1,4271)	1:82:A:ASN:HA	1:83:A:LEU:HA	20	0.93
(1,4257)	1:10:A:THR:HA	1:14:A:ILE:HD13	13	0.93
(1,4186)	1:40:B:LEU:HG	1:42:B:PHE:HB3	5	0.93
(1,4185)	1:40:A:LEU:HG	1:42:A:PHE:HB3	5	0.93
(1,4058)	1:18:B:ILE:HG22	1:91:A:CYS:HB3	5	0.93
(1,4012)	1:81:B:LEU:HD23	1:89:A:MET:HG3	6	0.93
(1,3960)	1:99:B:VAL:HG13	1:100:B:PRO:HD2	18	0.93
(1,3959)	1:99:A:VAL:HG13	1:100:A:PRO:HD2	18	0.93
(1,3956)	1:48:B:ALA:HA	1:50:B:PHE:HB3	14	0.93
(1,3955)	1:48:A:ALA:HA	1:50:A:PHE:HB3	14	0.93
(1,3937)	1:65:A:LYS:HG2	1:64:A:MET:HA	18	0.93
(1,3936)	1:82:B:ASN:HB3	1:83:B:LEU:HB3	2	0.93
(1,3935)	1:82:A:ASN:HB3	1:83:A:LEU:HB3	2	0.93
(1,3935)	1:82:A:ASN:HB3	1:83:A:LEU:HB3	7	0.93
(1,3761)	1:58:A:GLY:HA3	1:62:A:ARG:HG2	16	0.93
(1,3726)	1:46:B:GLU:HB2	1:20:B:VAL:HG11	1	0.93
(1,3725)	1:46:A:GLU:HB2	1:20:A:VAL:HG11	1	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3720)	1:47:B:LEU:HD11	1:10:A:THR:H	8	0.93
(1,3656)	1:48:B:ALA:HB2	1:46:B:GLU:HG2	1	0.93
(1,3656)	1:48:B:ALA:HB2	1:46:B:GLU:HG2	3	0.93
(1,3655)	1:48:A:ALA:HB2	1:46:A:GLU:HG2	3	0.93
(1,3618)	1:51:B:THR:HB	1:87:B:LEU:HD21	10	0.93
(1,3617)	1:51:A:THR:HB	1:87:A:LEU:HD21	10	0.93
(1,3562)	1:76:B:ASP:HA	1:34:B:LEU:HD11	6	0.93
(1,3561)	1:76:A:ASP:HA	1:34:A:LEU:HD11	6	0.93
(1,3534)	1:47:B:LEU:HB2	1:11:A:GLU:HG3	10	0.93
(1,3533)	1:47:A:LEU:HB2	1:11:B:GLU:HG3	10	0.93
(1,3465)	1:100:A:PRO:HD2	1:98:A:ALA:HB2	13	0.93
(1,3458)	1:11:B:GLU:HA	1:12:B:ARG:HD2	18	0.93
(1,3457)	1:11:A:GLU:HA	1:12:A:ARG:HD2	18	0.93
(1,3427)	1:62:A:ARG:HD2	1:59:A:VAL:HG13	17	0.93
(1,3350)	1:14:B:ILE:HD12	1:88:A:ALA:HB1	14	0.93
(1,3349)	1:14:A:ILE:HD12	1:88:B:ALA:HB1	14	0.93
(1,2635)	1:43:A:MET:H	1:34:A:LEU:HD22	6	0.93
(1,2506)	1:37:B:THR:H	1:34:B:LEU:HD23	17	0.93
(1,2505)	1:37:A:THR:H	1:34:A:LEU:HD23	13	0.93
(1,2505)	1:37:A:THR:H	1:34:A:LEU:HD23	17	0.93
(1,1628)	1:24:B:TYR:HB3	1:42:B:PHE:HB3	11	0.93
(1,1627)	1:24:A:TYR:HB3	1:42:A:PHE:HB3	11	0.93
(1,1210)	1:52:B:LYS:HE3	1:51:B:THR:HG23	10	0.93
(1,1209)	1:52:A:LYS:HE3	1:51:A:THR:HG23	10	0.93
(1,816)	1:9:B:GLU:HG3	1:10:B:THR:HG21	6	0.93
(1,815)	1:9:A:GLU:HG3	1:10:A:THR:HG21	6	0.93
(1,636)	1:62:B:ARG:HG2	1:61:B:ASP:HB2	11	0.93
(1,635)	1:62:A:ARG:HG2	1:61:A:ASP:HB2	16	0.93
(1,182)	1:39:B:PHE:HB3	1:34:B:LEU:HA	18	0.93
(1,181)	1:39:A:PHE:HB3	1:34:A:LEU:HA	18	0.93
(1,79)	1:12:A:ARG:HG3	1:17:B:LEU:HD22	20	0.93
(1,77)	1:12:A:ARG:HG3	1:17:B:LEU:HD22	20	0.93
(1,14)	1:14:B:ILE:HG21	1:84:A:ILE:HG21	16	0.93
(1,13)	1:14:A:ILE:HG22	1:84:B:ILE:HG22	5	0.93
(1,13)	1:14:A:ILE:HG23	1:84:B:ILE:HG23	18	0.93
(1,12)	1:18:B:ILE:HG23	1:94:A:SER:HB2	17	0.93
(1,11)	1:18:A:ILE:HG22	1:94:B:SER:HB2	15	0.93
(2,85)	1:42:A:PHE:HB2	1:47:A:LEU:H	8	0.92
(1,5658)	1:47:B:LEU:H	1:47:B:LEU:HD23	15	0.92
(1,5657)	1:47:A:LEU:H	1:47:A:LEU:HD23	15	0.92
(1,5650)	1:18:B:ILE:H	1:17:B:LEU:HD13	10	0.92
(1,5649)	1:18:A:ILE:H	1:17:A:LEU:HD13	10	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5535)	1:23:A:LYS:H	1:22:A:GLN:HG3	18	0.92
(1,5500)	1:51:B:THR:H	1:49:B:ALA:HB1	7	0.92
(1,5500)	1:51:B:THR:H	1:49:B:ALA:HB3	12	0.92
(1,5499)	1:51:A:THR:H	1:49:A:ALA:HB3	12	0.92
(1,5499)	1:51:A:THR:H	1:49:A:ALA:HB2	15	0.92
(1,5404)	1:12:B:ARG:H	1:14:B:ILE:HD12	1	0.92
(1,5403)	1:12:A:ARG:H	1:14:A:ILE:HD12	1	0.92
(1,5373)	1:10:A:THR:H	1:47:B:LEU:HD21	2	0.92
(1,5346)	1:51:B:THR:H	1:47:B:LEU:HD12	2	0.92
(1,5346)	1:51:B:THR:H	1:47:B:LEU:HD11	4	0.92
(1,5346)	1:51:B:THR:H	1:47:B:LEU:HD13	9	0.92
(1,5345)	1:51:A:THR:H	1:47:A:LEU:HD12	2	0.92
(1,5345)	1:51:A:THR:H	1:47:A:LEU:HD11	4	0.92
(1,5328)	1:99:B:VAL:H	1:96:B:LEU:HD23	7	0.92
(1,5327)	1:99:A:VAL:H	1:96:A:LEU:HD23	7	0.92
(1,5314)	1:92:B:HIS:H	1:18:A:ILE:HG22	7	0.92
(1,5218)	1:9:B:GLU:H	1:47:A:LEU:HD21	5	0.92
(1,5206)	1:44:B:ASN:H	1:60:B:LEU:HB2	7	0.92
(1,4858)	1:23:B:LYS:HB2	1:23:B:LYS:HE3	1	0.92
(1,4840)	1:68:B:ASP:HB2	1:72:B:ASP:HB2	2	0.92
(1,4832)	1:12:B:ARG:HD2	1:12:B:ARG:HA	7	0.92
(1,4706)	1:65:B:LYS:HE2	1:68:B:ASP:HB3	19	0.92
(1,4686)	1:20:B:VAL:HG12	1:23:B:LYS:HB2	5	0.92
(1,4686)	1:20:B:VAL:HG12	1:23:B:LYS:HB2	18	0.92
(1,4678)	1:36:B:LYS:HA	1:74:B:GLN:HB2	2	0.92
(1,4618)	1:68:B:ASP:HA	1:74:B:GLN:HB3	15	0.92
(1,4617)	1:68:A:ASP:HA	1:74:A:GLN:HB3	15	0.92
(1,4569)	1:66:A:LYS:H	1:66:A:LYS:HG2	4	0.92
(1,4504)	1:24:B:TYR:H	1:34:B:LEU:HD13	3	0.92
(1,4503)	1:24:A:TYR:H	1:34:A:LEU:HD13	3	0.92
(1,4464)	1:83:B:LEU:HD12	1:86:B:GLY:H	17	0.92
(1,4463)	1:83:A:LEU:HD12	1:86:A:GLY:H	17	0.92
(1,4392)	1:17:B:LEU:HG	1:81:B:LEU:HD21	12	0.92
(1,4392)	1:17:B:LEU:HG	1:81:B:LEU:HD21	17	0.92
(1,4391)	1:17:A:LEU:HG	1:81:A:LEU:HD21	12	0.92
(1,4391)	1:17:A:LEU:HG	1:81:A:LEU:HD21	17	0.92
(1,4360)	1:49:B:ALA:HB3	1:47:B:LEU:HD21	12	0.92
(1,4342)	1:83:B:LEU:HD12	1:86:B:GLY:H	16	0.92
(1,4328)	1:15:B:GLU:HG3	1:88:A:ALA:HB1	17	0.92
(1,4272)	1:82:B:ASN:HA	1:83:B:LEU:HA	11	0.92
(1,4272)	1:82:B:ASN:HA	1:83:B:LEU:HA	12	0.92
(1,4272)	1:82:B:ASN:HA	1:83:B:LEU:HA	18	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4271)	1:82:A:ASN:HA	1:83:A:LEU:HA	11	0.92
(1,4271)	1:82:A:ASN:HA	1:83:A:LEU:HA	18	0.92
(1,4257)	1:10:A:THR:HA	1:14:A:ILE:HD12	17	0.92
(1,4254)	1:15:B:GLU:HG2	1:88:A:ALA:HB2	6	0.92
(1,4253)	1:15:A:GLU:HG2	1:88:B:ALA:HB2	6	0.92
(1,4171)	1:44:A:ASN:HB2	1:43:A:MET:HB2	9	0.92
(1,4168)	1:20:B:VAL:HB	1:34:B:LEU:HD23	12	0.92
(1,4167)	1:20:A:VAL:HB	1:34:A:LEU:HD23	12	0.92
(1,4136)	1:20:B:VAL:HB	1:34:B:LEU:HD23	12	0.92
(1,4135)	1:20:A:VAL:HB	1:34:A:LEU:HD23	12	0.92
(1,4104)	1:42:B:PHE:HA	1:20:B:VAL:HB	4	0.92
(1,4103)	1:42:A:PHE:HA	1:20:A:VAL:HB	4	0.92
(1,4057)	1:18:A:ILE:HG22	1:91:B:CYS:HB3	5	0.92
(1,4030)	1:73:B:GLY:HA3	1:36:B:LYS:HD3	16	0.92
(1,4029)	1:73:A:GLY:HA3	1:36:A:LYS:HD3	16	0.92
(1,4011)	1:81:A:LEU:HD23	1:89:B:MET:HG3	6	0.92
(1,3954)	1:68:B:ASP:HB3	1:75:B:LEU:HB3	10	0.92
(1,3953)	1:68:A:ASP:HB3	1:75:A:LEU:HB3	10	0.92
(1,3938)	1:65:B:LYS:HG2	1:64:B:MET:HA	8	0.92
(1,3937)	1:65:A:LYS:HG2	1:64:A:MET:HA	8	0.92
(1,3936)	1:82:B:ASN:HB3	1:83:B:LEU:HB3	7	0.92
(1,3900)	1:75:B:LEU:HB2	1:64:B:MET:HB2	9	0.92
(1,3899)	1:75:A:LEU:HB2	1:64:A:MET:HB2	9	0.92
(1,3790)	1:91:B:CYS:HA	1:18:A:ILE:HG22	6	0.92
(1,3762)	1:58:B:GLY:HA3	1:62:B:ARG:HG2	16	0.92
(1,3730)	1:18:B:ILE:HG23	1:95:A:PHE:HA	14	0.92
(1,3729)	1:18:A:ILE:HG23	1:95:B:PHE:HA	14	0.92
(1,3720)	1:47:B:LEU:HD13	1:10:A:THR:H	1	0.92
(1,3716)	1:14:B:ILE:HB	1:87:A:LEU:HD12	1	0.92
(1,3716)	1:14:B:ILE:HB	1:87:A:LEU:HD12	14	0.92
(1,3715)	1:14:A:ILE:HB	1:87:B:LEU:HD12	14	0.92
(1,3680)	1:33:B:THR:HB	1:34:B:LEU:HG	20	0.92
(1,3679)	1:33:A:THR:HB	1:34:A:LEU:HG	20	0.92
(1,3655)	1:48:A:ALA:HB2	1:46:A:GLU:HG2	1	0.92
(1,3552)	1:47:B:LEU:HB2	1:11:A:GLU:HG3	3	0.92
(1,3551)	1:47:A:LEU:HB2	1:11:B:GLU:HG3	8	0.92
(1,3500)	1:73:B:GLY:HA2	1:72:B:ASP:HB2	3	0.92
(1,3500)	1:73:B:GLY:HA2	1:72:B:ASP:HB2	14	0.92
(1,3499)	1:73:A:GLY:HA2	1:72:A:ASP:HB2	3	0.92
(1,3499)	1:73:A:GLY:HA2	1:72:A:ASP:HB2	14	0.92
(1,3466)	1:100:B:PRO:HD2	1:98:B:ALA:HB2	13	0.92
(1,3458)	1:11:B:GLU:HA	1:12:B:ARG:HD2	19	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3457)	1:11:A:GLU:HA	1:12:A:ARG:HD2	19	0.92
(1,3428)	1:62:B:ARG:HD2	1:59:B:VAL:HG12	16	0.92
(1,3427)	1:62:A:ARG:HD2	1:59:A:VAL:HG12	16	0.92
(1,3400)	1:22:B:GLN:HB2	1:100:A:PRO:HB3	2	0.92
(1,3394)	1:81:B:LEU:HD11	1:87:A:LEU:HD13	20	0.92
(1,3393)	1:81:A:LEU:HD11	1:87:B:LEU:HD13	20	0.92
(1,3388)	1:17:B:LEU:HD23	1:88:A:ALA:HB3	20	0.92
(1,3362)	1:19:B:ALA:HB3	1:9:A:GLU:HA	5	0.92
(1,3362)	1:19:B:ALA:HB2	1:10:A:THR:HB	8	0.92
(1,3361)	1:19:A:ALA:HB3	1:9:B:GLU:HA	5	0.92
(1,3360)	1:19:B:ALA:HB3	1:9:A:GLU:HA	5	0.92
(1,3359)	1:19:A:ALA:HB3	1:9:B:GLU:HA	5	0.92
(1,2636)	1:43:B:MET:H	1:34:B:LEU:HD22	6	0.92
(1,2505)	1:37:A:THR:H	1:34:A:LEU:HD23	15	0.92
(1,2505)	1:37:A:THR:H	1:34:A:LEU:HD21	16	0.92
(1,2138)	1:47:B:LEU:HB2	1:50:B:PHE:HB3	15	0.92
(1,2137)	1:47:A:LEU:HB2	1:50:A:PHE:HB3	15	0.92
(1,1606)	1:74:B:GLN:HG3	1:33:B:THR:HG22	4	0.92
(1,1605)	1:74:A:GLN:HG3	1:33:A:THR:HG22	4	0.92
(1,744)	1:13:B:CYS:HB3	1:10:B:THR:HG22	15	0.92
(1,743)	1:13:A:CYS:HB3	1:10:A:THR:HG22	15	0.92
(1,636)	1:62:B:ARG:HG2	1:61:B:ASP:HB2	16	0.92
(1,464)	1:68:B:ASP:HB2	1:33:B:THR:HG21	3	0.92
(1,464)	1:68:B:ASP:HB2	1:33:B:THR:HG23	8	0.92
(1,464)	1:68:B:ASP:HB2	1:33:B:THR:HG23	12	0.92
(1,464)	1:68:B:ASP:HB2	1:33:B:THR:HG21	14	0.92
(1,463)	1:68:A:ASP:HB2	1:33:A:THR:HG23	8	0.92
(1,463)	1:68:A:ASP:HB2	1:33:A:THR:HG23	12	0.92
(1,418)	1:69:B:THR:HA	1:75:B:LEU:HD22	18	0.92
(1,417)	1:69:A:THR:HA	1:75:A:LEU:HD22	18	0.92
(1,210)	1:76:B:ASP:HA	1:34:B:LEU:HB3	11	0.92
(1,209)	1:76:A:ASP:HA	1:34:A:LEU:HB3	11	0.92
(1,182)	1:39:B:PHE:HB3	1:34:B:LEU:HA	8	0.92
(1,181)	1:39:A:PHE:HB3	1:34:A:LEU:HA	8	0.92
(1,80)	1:12:B:ARG:HG3	1:17:A:LEU:HD21	19	0.92
(1,78)	1:12:B:ARG:HG3	1:17:A:LEU:HD21	19	0.92
(1,14)	1:14:B:ILE:HG23	1:84:A:ILE:HG23	18	0.92
(1,12)	1:18:B:ILE:HG23	1:94:A:SER:HB2	12	0.92
(2,153)	1:71:A:SER:H	1:73:A:GLY:HA3	17	0.91
(1,5536)	1:23:B:LYS:H	1:22:B:GLN:HG3	18	0.91
(1,5500)	1:51:B:THR:H	1:49:B:ALA:HB3	6	0.91
(1,5500)	1:51:B:THR:H	1:49:B:ALA:HB3	14	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5499)	1:51:A:THR:H	1:49:A:ALA:HB3	6	0.91
(1,5499)	1:51:A:THR:H	1:49:A:ALA:HB1	7	0.91
(1,5499)	1:51:A:THR:H	1:49:A:ALA:HB3	14	0.91
(1,5496)	1:90:B:ALA:H	1:89:B:MET:HG2	4	0.91
(1,5495)	1:90:A:ALA:H	1:89:A:MET:HG2	4	0.91
(1,5485)	1:87:A:LEU:H	1:14:B:ILE:HD13	3	0.91
(1,5485)	1:87:A:LEU:H	1:14:B:ILE:HD11	8	0.91
(1,5472)	1:80:B:PHE:H	1:75:B:LEU:HD12	10	0.91
(1,5471)	1:80:A:PHE:H	1:75:A:LEU:HD12	10	0.91
(1,5374)	1:10:B:THR:H	1:47:A:LEU:HD21	2	0.91
(1,5346)	1:51:B:THR:H	1:47:B:LEU:HD21	14	0.91
(1,5346)	1:51:B:THR:H	1:47:B:LEU:HD23	17	0.91
(1,5346)	1:51:B:THR:H	1:47:B:LEU:HD23	20	0.91
(1,5345)	1:51:A:THR:H	1:47:A:LEU:HD21	14	0.91
(1,5345)	1:51:A:THR:H	1:47:A:LEU:HD13	20	0.91
(1,5218)	1:9:B:GLU:H	1:47:A:LEU:HD22	7	0.91
(1,5216)	1:34:B:LEU:H	1:77:B:PHE:HB2	17	0.91
(1,5215)	1:34:A:LEU:H	1:77:A:PHE:HB2	17	0.91
(1,4839)	1:68:A:ASP:HB2	1:72:A:ASP:HB2	2	0.91
(1,4818)	1:59:B:VAL:HA	1:62:B:ARG:HG2	11	0.91
(1,4742)	1:44:B:ASN:HA	1:60:B:LEU:HD11	16	0.91
(1,4741)	1:44:A:ASN:HA	1:60:A:LEU:HD11	16	0.91
(1,4685)	1:20:A:VAL:HG12	1:23:A:LYS:HB2	18	0.91
(1,4677)	1:36:A:LYS:HA	1:74:A:GLN:HB2	2	0.91
(1,4628)	1:60:B:LEU:HD22	1:47:B:LEU:H	11	0.91
(1,4627)	1:60:A:LEU:HD22	1:47:A:LEU:H	11	0.91
(1,4570)	1:66:B:LYS:H	1:66:B:LYS:HG2	4	0.91
(1,4569)	1:53:A:ASN:H	1:52:A:LYS:HG2	7	0.91
(1,4564)	1:98:B:ALA:HB1	1:97:B:LYS:HB2	3	0.91
(1,4563)	1:98:A:ALA:HB1	1:97:A:LYS:HB2	3	0.91
(1,4504)	1:75:B:LEU:HD11	1:83:B:LEU:H	1	0.91
(1,4504)	1:24:B:TYR:H	1:34:B:LEU:HD12	18	0.91
(1,4503)	1:75:A:LEU:HD11	1:83:A:LEU:H	1	0.91
(1,4503)	1:24:A:TYR:H	1:34:A:LEU:HD12	18	0.91
(1,4392)	1:17:B:LEU:HG	1:81:B:LEU:HD21	7	0.91
(1,4392)	1:17:B:LEU:HG	1:81:B:LEU:HD23	13	0.91
(1,4391)	1:17:A:LEU:HG	1:81:A:LEU:HD21	7	0.91
(1,4391)	1:17:A:LEU:HG	1:81:A:LEU:HD23	13	0.91
(1,4359)	1:49:A:ALA:HB3	1:47:A:LEU:HD21	12	0.91
(1,4272)	1:82:B:ASN:HA	1:83:B:LEU:HA	7	0.91
(1,4272)	1:82:B:ASN:HA	1:83:B:LEU:HA	9	0.91
(1,4271)	1:82:A:ASN:HA	1:83:A:LEU:HA	7	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4271)	1:82:A:ASN:HA	1:83:A:LEU:HA	9	0.91
(1,4271)	1:82:A:ASN:HA	1:83:A:LEU:HA	12	0.91
(1,4258)	1:10:B:THR:HA	1:14:B:ILE:HD12	17	0.91
(1,4257)	1:10:A:THR:HA	1:14:A:ILE:HD13	7	0.91
(1,4230)	1:91:B:CYS:HB3	1:14:A:ILE:HB	1	0.91
(1,4196)	1:52:B:LYS:HD3	1:44:B:ASN:HB3	6	0.91
(1,4195)	1:52:A:LYS:HD3	1:44:A:ASN:HB3	6	0.91
(1,4195)	1:52:A:LYS:HB2	1:53:A:ASN:HB3	11	0.91
(1,4185)	1:40:A:LEU:HG	1:42:A:PHE:HB3	1	0.91
(1,4172)	1:44:B:ASN:HB2	1:43:B:MET:HB2	1	0.91
(1,4172)	1:44:B:ASN:HB2	1:43:B:MET:HB2	3	0.91
(1,4172)	1:44:B:ASN:HB2	1:43:B:MET:HB2	9	0.91
(1,4171)	1:44:A:ASN:HB2	1:43:A:MET:HB2	1	0.91
(1,4119)	1:46:A:GLU:HB3	1:23:A:LYS:HG3	20	0.91
(1,4058)	1:18:B:ILE:HG21	1:91:A:CYS:HB3	13	0.91
(1,3936)	1:82:B:ASN:HB3	1:83:B:LEU:HB3	1	0.91
(1,3935)	1:82:A:ASN:HB3	1:83:A:LEU:HB3	1	0.91
(1,3884)	1:89:B:MET:HG3	1:82:A:ASN:H	3	0.91
(1,3884)	1:89:B:MET:HG3	1:82:A:ASN:H	10	0.91
(1,3884)	1:89:B:MET:HG3	1:82:A:ASN:H	16	0.91
(1,3883)	1:89:A:MET:HG3	1:82:B:ASN:H	10	0.91
(1,3883)	1:89:A:MET:HG3	1:82:B:ASN:H	16	0.91
(1,3778)	1:57:B:PRO:HA	1:61:B:ASP:HB3	13	0.91
(1,3777)	1:57:A:PRO:HA	1:61:A:ASP:HB3	13	0.91
(1,3750)	1:49:B:ALA:HB1	1:87:B:LEU:HD21	5	0.91
(1,3750)	1:49:B:ALA:HB3	1:87:B:LEU:HD21	12	0.91
(1,3749)	1:49:A:ALA:HB1	1:87:A:LEU:HD21	5	0.91
(1,3749)	1:49:A:ALA:HB3	1:87:A:LEU:HD21	12	0.91
(1,3719)	1:47:A:LEU:HD13	1:10:B:THR:H	1	0.91
(1,3715)	1:14:A:ILE:HB	1:87:B:LEU:HD12	1	0.91
(1,3704)	1:39:B:PHE:HB2	1:75:B:LEU:HB3	17	0.91
(1,3703)	1:39:A:PHE:HB2	1:75:A:LEU:HB3	17	0.91
(1,3596)	1:13:B:CYS:HB2	1:20:A:VAL:HG13	9	0.91
(1,3595)	1:13:A:CYS:HB2	1:20:B:VAL:HG13	9	0.91
(1,3534)	1:87:B:LEU:HB2	1:89:B:MET:HB2	11	0.91
(1,3534)	1:47:B:LEU:HB2	1:11:A:GLU:HG3	19	0.91
(1,3533)	1:47:A:LEU:HB2	1:11:B:GLU:HG3	3	0.91
(1,3533)	1:87:A:LEU:HB2	1:89:A:MET:HB2	11	0.91
(1,3533)	1:87:A:LEU:HB2	1:89:A:MET:HB2	12	0.91
(1,3500)	1:73:B:GLY:HA2	1:72:B:ASP:HB2	6	0.91
(1,3499)	1:73:A:GLY:HA2	1:72:A:ASP:HB2	6	0.91
(1,3466)	1:100:B:PRO:HD2	1:98:B:ALA:HB3	8	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3465)	1:100:A:PRO:HD2	1:96:A:LEU:HB3	6	0.91
(1,3424)	1:60:B:LEU:HB2	1:37:B:THR:HA	3	0.91
(1,3424)	1:60:B:LEU:HB2	1:37:B:THR:HA	16	0.91
(1,3424)	1:60:B:LEU:HB2	1:37:B:THR:HA	17	0.91
(1,3423)	1:60:A:LEU:HB2	1:37:A:THR:HA	3	0.91
(1,3423)	1:60:A:LEU:HB2	1:37:A:THR:HA	16	0.91
(1,3423)	1:60:A:LEU:HB2	1:37:A:THR:HA	17	0.91
(1,3399)	1:22:A:GLN:HB2	1:100:B:PRO:HB3	2	0.91
(1,3387)	1:17:A:LEU:HD23	1:88:B:ALA:HB3	20	0.91
(1,3378)	1:8:B:THR:HG23	1:48:A:ALA:HA	4	0.91
(1,2636)	1:43:B:MET:H	1:34:B:LEU:HD23	14	0.91
(1,2635)	1:43:A:MET:H	1:34:A:LEU:HD23	14	0.91
(1,2506)	1:37:B:THR:H	1:34:B:LEU:HD22	14	0.91
(1,2506)	1:37:B:THR:H	1:34:B:LEU:HD23	15	0.91
(1,2506)	1:37:B:THR:H	1:34:B:LEU:HD21	16	0.91
(1,2505)	1:37:A:THR:H	1:34:A:LEU:HD22	14	0.91
(1,1628)	1:24:B:TYR:HB3	1:42:B:PHE:HB3	7	0.91
(1,1627)	1:24:A:TYR:HB3	1:42:A:PHE:HB3	7	0.91
(1,1016)	1:9:B:GLU:HG2	1:13:B:CYS:HB3	15	0.91
(1,1015)	1:9:A:GLU:HG2	1:13:A:CYS:HB3	15	0.91
(1,566)	1:25:B:ALA:HB3	1:33:B:THR:HG22	20	0.91
(1,565)	1:25:A:ALA:HB3	1:33:A:THR:HG22	20	0.91
(1,463)	1:68:A:ASP:HB2	1:33:A:THR:HG21	3	0.91
(1,463)	1:68:A:ASP:HB2	1:33:A:THR:HG21	14	0.91
(1,431)	1:48:A:ALA:HB1	1:44:A:ASN:HB3	7	0.91
(1,412)	1:62:B:ARG:HD2	1:59:B:VAL:HG12	19	0.91
(1,411)	1:62:A:ARG:HD2	1:59:A:VAL:HG12	19	0.91
(1,342)	1:69:B:THR:HB	1:75:B:LEU:HD22	12	0.91
(1,341)	1:69:A:THR:HB	1:75:A:LEU:HD22	12	0.91
(1,320)	1:74:B:GLN:HB3	1:76:B:ASP:HB3	3	0.91
(1,320)	1:74:B:GLN:HB3	1:76:B:ASP:HB3	18	0.91
(1,320)	1:74:B:GLN:HB3	1:76:B:ASP:HB3	20	0.91
(1,319)	1:74:A:GLN:HB3	1:76:A:ASP:HB3	3	0.91
(1,319)	1:74:A:GLN:HB3	1:76:A:ASP:HB3	11	0.91
(1,319)	1:74:A:GLN:HB3	1:76:A:ASP:HB3	18	0.91
(1,224)	1:34:B:LEU:HB2	1:39:B:PHE:HB3	18	0.91
(1,223)	1:34:A:LEU:HB2	1:39:A:PHE:HB3	18	0.91
(1,210)	1:76:B:ASP:HA	1:34:B:LEU:HB3	17	0.91
(1,209)	1:76:A:ASP:HA	1:34:A:LEU:HB3	13	0.91
(1,209)	1:76:A:ASP:HA	1:34:A:LEU:HB3	17	0.91
(1,80)	1:12:B:ARG:HG3	1:17:A:LEU:HD21	2	0.91
(1,79)	1:12:A:ARG:HG3	1:17:B:LEU:HD21	2	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,79)	1:12:A:ARG:HG3	1:17:B:LEU:HD21	16	0.91
(1,78)	1:12:B:ARG:HG3	1:17:A:LEU:HD21	2	0.91
(1,77)	1:12:A:ARG:HG3	1:17:B:LEU:HD21	2	0.91
(1,77)	1:12:A:ARG:HG3	1:17:B:LEU:HD21	16	0.91
(1,12)	1:18:B:ILE:HG22	1:94:A:SER:HB2	15	0.91
(1,11)	1:18:A:ILE:HG23	1:94:B:SER:HB2	12	0.91
(2,154)	1:71:B:SER:H	1:73:B:GLY:HA3	17	0.9
(1,5590)	1:19:B:ALA:H	1:14:B:ILE:HG22	8	0.9
(1,5589)	1:19:A:ALA:H	1:14:A:ILE:HG22	8	0.9
(1,5500)	1:51:B:THR:H	1:49:B:ALA:HB1	17	0.9
(1,5495)	1:59:A:VAL:H	1:61:A:ASP:HB3	3	0.9
(1,5486)	1:87:B:LEU:H	1:14:A:ILE:HD11	14	0.9
(1,5472)	1:80:B:PHE:H	1:75:B:LEU:HD22	15	0.9
(1,5471)	1:80:A:PHE:H	1:75:A:LEU:HD22	15	0.9
(1,5345)	1:51:A:THR:H	1:47:A:LEU:HD23	17	0.9
(1,5332)	1:21:B:PHE:H	1:18:B:ILE:HG22	9	0.9
(1,5331)	1:21:A:PHE:H	1:18:A:ILE:HG22	9	0.9
(1,5328)	1:99:B:VAL:H	1:96:B:LEU:HD21	19	0.9
(1,5217)	1:9:A:GLU:H	1:47:B:LEU:HD21	5	0.9
(1,5217)	1:9:A:GLU:H	1:47:B:LEU:HD22	7	0.9
(1,5214)	1:77:B:PHE:H	1:81:B:LEU:HB2	18	0.9
(1,5213)	1:77:A:PHE:H	1:81:A:LEU:HB2	11	0.9
(1,4858)	1:23:B:LYS:HB2	1:23:B:LYS:HE3	2	0.9
(1,4857)	1:23:A:LYS:HB2	1:23:A:LYS:HE3	2	0.9
(1,4817)	1:59:A:VAL:HA	1:62:A:ARG:HG2	11	0.9
(1,4782)	1:8:B:THR:HB	1:7:B:PRO:HG2	18	0.9
(1,4781)	1:8:A:THR:HB	1:7:A:PRO:HG2	18	0.9
(1,4618)	1:68:B:ASP:HA	1:74:B:GLN:HB3	9	0.9
(1,4617)	1:68:A:ASP:HA	1:74:A:GLN:HB3	9	0.9
(1,4604)	1:47:B:LEU:HD11	1:42:B:PHE:HA	18	0.9
(1,4603)	1:47:A:LEU:HD11	1:42:A:PHE:HA	18	0.9
(1,4600)	1:43:B:MET:H	1:60:B:LEU:HD13	9	0.9
(1,4570)	1:53:B:ASN:H	1:52:B:LYS:HG2	7	0.9
(1,4570)	1:66:B:LYS:H	1:66:B:LYS:HG2	16	0.9
(1,4569)	1:66:A:LYS:H	1:66:A:LYS:HG2	10	0.9
(1,4569)	1:66:A:LYS:H	1:66:A:LYS:HG2	13	0.9
(1,4569)	1:66:A:LYS:H	1:66:A:LYS:HG2	16	0.9
(1,4550)	1:88:B:ALA:HB1	1:91:B:CYS:HB2	18	0.9
(1,4549)	1:88:A:ALA:HB1	1:91:A:CYS:HB2	18	0.9
(1,4421)	1:42:A:PHE:HA	1:45:A:THR:HG23	11	0.9
(1,4393)	1:17:A:LEU:HB2	1:9:B:GLU:HG3	17	0.9
(1,4392)	1:17:B:LEU:HG	1:81:B:LEU:HD21	8	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4391)	1:17:A:LEU:HG	1:81:A:LEU:HD21	8	0.9
(1,4302)	1:34:B:LEU:HD13	1:80:B:PHE:HB3	8	0.9
(1,4301)	1:34:A:LEU:HD13	1:80:A:PHE:HB3	8	0.9
(1,4298)	1:44:B:ASN:HA	1:47:B:LEU:HD11	9	0.9
(1,4273)	1:89:A:MET:HB2	1:81:B:LEU:HD13	9	0.9
(1,4272)	1:82:B:ASN:HA	1:83:B:LEU:HA	15	0.9
(1,4272)	1:82:B:ASN:HA	1:83:B:LEU:HA	19	0.9
(1,4271)	1:82:A:ASN:HA	1:83:A:LEU:HA	2	0.9
(1,4271)	1:82:A:ASN:HA	1:83:A:LEU:HA	15	0.9
(1,4271)	1:82:A:ASN:HA	1:83:A:LEU:HA	19	0.9
(1,4270)	1:25:B:ALA:HB1	1:24:B:TYR:HB2	2	0.9
(1,4269)	1:25:A:ALA:HB1	1:24:A:TYR:HB2	2	0.9
(1,4258)	1:10:B:THR:HA	1:14:B:ILE:HD13	7	0.9
(1,4229)	1:91:A:CYS:HB3	1:14:B:ILE:HB	1	0.9
(1,4229)	1:91:A:CYS:HB2	1:14:B:ILE:HB	6	0.9
(1,4196)	1:52:B:LYS:HB2	1:53:B:ASN:HB3	11	0.9
(1,4186)	1:40:B:LEU:HG	1:42:B:PHE:HB3	1	0.9
(1,4171)	1:44:A:ASN:HB2	1:43:A:MET:HB2	3	0.9
(1,4120)	1:46:B:GLU:HB3	1:87:B:LEU:HD13	4	0.9
(1,4120)	1:46:B:GLU:HB3	1:23:B:LYS:HG3	20	0.9
(1,4119)	1:46:A:GLU:HB3	1:87:A:LEU:HD13	4	0.9
(1,4094)	1:38:B:GLU:HB3	1:27:B:LYS:HE2	9	0.9
(1,4093)	1:38:A:GLU:HB3	1:27:A:LYS:HE2	9	0.9
(1,4066)	1:44:B:ASN:HB3	1:60:B:LEU:HD11	2	0.9
(1,4065)	1:44:A:ASN:HB3	1:60:A:LEU:HD11	2	0.9
(1,4057)	1:18:A:ILE:HG21	1:91:B:CYS:HB3	13	0.9
(1,4030)	1:73:B:GLY:HA3	1:36:B:LYS:HD2	6	0.9
(1,4029)	1:73:A:GLY:HA3	1:36:A:LYS:HD2	6	0.9
(1,3884)	1:63:B:MET:HG3	1:65:B:LYS:H	9	0.9
(1,3883)	1:89:A:MET:HG3	1:82:B:ASN:H	3	0.9
(1,3883)	1:63:A:MET:HG3	1:65:A:LYS:H	9	0.9
(1,3850)	1:34:B:LEU:HB2	1:39:B:PHE:HB2	11	0.9
(1,3849)	1:34:A:LEU:HB2	1:39:A:PHE:HB2	11	0.9
(1,3777)	1:57:A:PRO:HA	1:61:A:ASP:HB3	7	0.9
(1,3720)	1:47:B:LEU:HD13	1:10:A:THR:H	19	0.9
(1,3680)	1:33:B:THR:HB	1:34:B:LEU:HG	4	0.9
(1,3679)	1:33:A:THR:HB	1:34:A:LEU:HG	4	0.9
(1,3562)	1:76:B:ASP:HA	1:34:B:LEU:HD12	2	0.9
(1,3562)	1:76:B:ASP:HA	1:34:B:LEU:HD13	8	0.9
(1,3561)	1:76:A:ASP:HA	1:34:A:LEU:HD13	8	0.9
(1,3534)	1:47:B:LEU:HB2	1:11:A:GLU:HG3	8	0.9
(1,3534)	1:87:B:LEU:HB2	1:89:B:MET:HB2	12	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3524)	1:73:B:GLY:HA3	1:64:B:MET:HG3	7	0.9
(1,3523)	1:73:A:GLY:HA3	1:64:A:MET:HG3	7	0.9
(1,3510)	1:7:B:PRO:HB2	1:12:B:ARG:HD3	18	0.9
(1,3509)	1:7:A:PRO:HB2	1:12:A:ARG:HD3	18	0.9
(1,3500)	1:73:B:GLY:HA2	1:72:B:ASP:HB2	7	0.9
(1,3499)	1:73:A:GLY:HA2	1:72:A:ASP:HB2	7	0.9
(1,3466)	1:100:B:PRO:HD2	1:96:B:LEU:HB3	6	0.9
(1,3466)	1:100:B:PRO:HD2	1:98:B:ALA:HB1	15	0.9
(1,3466)	1:100:B:PRO:HD2	1:96:B:LEU:HB3	20	0.9
(1,3465)	1:100:A:PRO:HD2	1:98:A:ALA:HB3	8	0.9
(1,3465)	1:100:A:PRO:HD2	1:98:A:ALA:HB1	15	0.9
(1,3465)	1:100:A:PRO:HD2	1:98:A:ALA:HB3	16	0.9
(1,3465)	1:100:A:PRO:HD2	1:96:A:LEU:HB3	20	0.9
(1,3458)	1:11:B:GLU:HA	1:12:B:ARG:HD2	15	0.9
(1,3458)	1:11:B:GLU:HA	1:12:B:ARG:HD2	20	0.9
(1,3457)	1:11:A:GLU:HA	1:12:A:ARG:HD2	15	0.9
(1,3457)	1:11:A:GLU:HA	1:12:A:ARG:HD2	20	0.9
(1,3377)	1:8:A:THR:HG23	1:48:B:ALA:HA	4	0.9
(1,2636)	1:43:B:MET:H	1:34:B:LEU:HD23	4	0.9
(1,2635)	1:43:A:MET:H	1:34:A:LEU:HD23	4	0.9
(1,2506)	1:37:B:THR:H	1:34:B:LEU:HD22	10	0.9
(1,1768)	1:20:B:VAL:HG11	1:24:B:TYR:H	20	0.9
(1,1767)	1:20:A:VAL:HG11	1:24:A:TYR:H	20	0.9
(1,1014)	1:62:B:ARG:HB3	1:63:B:MET:HG2	9	0.9
(1,1013)	1:62:A:ARG:HB3	1:63:A:MET:HG2	9	0.9
(1,464)	1:68:B:ASP:HB2	1:33:B:THR:HG22	7	0.9
(1,464)	1:68:B:ASP:HB2	1:33:B:THR:HG22	15	0.9
(1,463)	1:68:A:ASP:HB2	1:33:A:THR:HG22	7	0.9
(1,463)	1:68:A:ASP:HB2	1:33:A:THR:HG22	15	0.9
(1,432)	1:48:B:ALA:HB1	1:44:B:ASN:HB3	7	0.9
(1,418)	1:69:B:THR:HA	1:75:B:LEU:HD22	16	0.9
(1,417)	1:69:A:THR:HA	1:75:A:LEU:HD22	16	0.9
(1,357)	1:73:A:GLY:HA2	1:72:A:ASP:HB2	18	0.9
(1,342)	1:69:B:THR:HB	1:75:B:LEU:HD21	11	0.9
(1,341)	1:69:A:THR:HB	1:75:A:LEU:HD21	11	0.9
(1,322)	1:22:B:GLN:HG3	1:25:B:ALA:HB2	6	0.9
(1,321)	1:22:A:GLN:HG3	1:25:A:ALA:HB2	6	0.9
(1,320)	1:74:B:GLN:HB3	1:76:B:ASP:HB3	11	0.9
(1,319)	1:74:A:GLN:HB3	1:76:A:ASP:HB3	20	0.9
(1,252)	1:76:B:ASP:HB2	1:77:B:PHE:HB2	17	0.9
(1,251)	1:76:A:ASP:HB2	1:77:A:PHE:HB2	17	0.9
(1,210)	1:76:B:ASP:HA	1:34:B:LEU:HB3	13	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,210)	1:76:B:ASP:HA	1:34:B:LEU:HB3	18	0.9
(1,209)	1:76:A:ASP:HA	1:34:A:LEU:HB3	18	0.9
(1,146)	1:78:B:SER:HB2	1:81:B:LEU:HB3	17	0.9
(1,14)	1:14:B:ILE:HG22	1:84:A:ILE:HG23	19	0.9
(1,5500)	1:51:B:THR:H	1:49:B:ALA:HB1	1	0.89
(1,5500)	1:51:B:THR:H	1:49:B:ALA:HB2	4	0.89
(1,5500)	1:51:B:THR:H	1:49:B:ALA:HB1	9	0.89
(1,5499)	1:51:A:THR:H	1:49:A:ALA:HB1	1	0.89
(1,5499)	1:51:A:THR:H	1:49:A:ALA:HB1	9	0.89
(1,5499)	1:51:A:THR:H	1:49:A:ALA:HB1	17	0.89
(1,5496)	1:59:B:VAL:H	1:61:B:ASP:HB3	3	0.89
(1,5486)	1:87:B:LEU:H	1:14:A:ILE:HD12	4	0.89
(1,5485)	1:87:A:LEU:H	1:14:B:ILE:HD11	14	0.89
(1,5480)	1:86:B:GLY:H	1:67:B:LEU:HD23	4	0.89
(1,5480)	1:86:B:GLY:H	1:67:B:LEU:HD22	7	0.89
(1,5479)	1:86:A:GLY:H	1:67:A:LEU:HD23	4	0.89
(1,5479)	1:86:A:GLY:H	1:67:A:LEU:HD22	7	0.89
(1,5346)	1:51:B:THR:H	1:47:B:LEU:HD21	15	0.89
(1,5345)	1:51:A:THR:H	1:47:A:LEU:HD21	15	0.89
(1,5328)	1:99:B:VAL:H	1:96:B:LEU:HD22	11	0.89
(1,5328)	1:99:B:VAL:H	1:96:B:LEU:HD22	16	0.89
(1,5327)	1:99:A:VAL:H	1:96:A:LEU:HD22	11	0.89
(1,5327)	1:99:A:VAL:H	1:96:A:LEU:HD21	19	0.89
(1,5322)	1:47:B:LEU:H	1:87:B:LEU:HD13	17	0.89
(1,5321)	1:47:A:LEU:H	1:87:A:LEU:HD13	17	0.89
(1,5306)	1:81:B:LEU:H	1:82:B:ASN:HB3	1	0.89
(1,5305)	1:81:A:LEU:H	1:82:A:ASN:HB3	1	0.89
(1,5305)	1:81:A:LEU:H	1:82:A:ASN:HB3	4	0.89
(1,5216)	1:34:B:LEU:H	1:77:B:PHE:HB2	3	0.89
(1,5215)	1:34:A:LEU:H	1:77:A:PHE:HB2	3	0.89
(1,5214)	1:77:B:PHE:H	1:81:B:LEU:HB2	11	0.89
(1,5213)	1:77:A:PHE:H	1:81:A:LEU:HB2	18	0.89
(1,4696)	1:20:B:VAL:HG13	1:47:B:LEU:HD23	5	0.89
(1,4695)	1:20:A:VAL:HG13	1:47:A:LEU:HD23	5	0.89
(1,4677)	1:39:A:PHE:HA	1:46:A:GLU:HB2	20	0.89
(1,4632)	1:61:B:ASP:H	1:40:B:LEU:HD21	13	0.89
(1,4631)	1:61:A:ASP:H	1:40:A:LEU:HD21	13	0.89
(1,4618)	1:68:B:ASP:HA	1:74:B:GLN:HB3	4	0.89
(1,4599)	1:43:A:MET:H	1:60:A:LEU:HD13	9	0.89
(1,4570)	1:66:B:LYS:H	1:66:B:LYS:HG2	10	0.89
(1,4570)	1:66:B:LYS:H	1:66:B:LYS:HG2	13	0.89
(1,4564)	1:48:B:ALA:HB1	1:52:B:LYS:HD2	18	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4504)	1:24:B:TYR:H	1:34:B:LEU:HD11	17	0.89
(1,4464)	1:83:B:LEU:HD11	1:86:B:GLY:H	1	0.89
(1,4464)	1:83:B:LEU:HD12	1:86:B:GLY:H	3	0.89
(1,4463)	1:83:A:LEU:HD11	1:86:A:GLY:H	1	0.89
(1,4463)	1:83:A:LEU:HD12	1:86:A:GLY:H	3	0.89
(1,4422)	1:42:B:PHE:HA	1:45:B:THR:HG23	11	0.89
(1,4394)	1:17:B:LEU:HB2	1:77:B:PHE:HB2	2	0.89
(1,4393)	1:17:A:LEU:HB2	1:77:A:PHE:HB2	2	0.89
(1,4360)	1:49:B:ALA:HB1	1:47:B:LEU:HD22	19	0.89
(1,4359)	1:49:A:ALA:HB1	1:47:A:LEU:HD22	19	0.89
(1,4328)	1:15:B:GLU:HG3	1:88:A:ALA:HB2	14	0.89
(1,4327)	1:15:A:GLU:HG3	1:88:B:ALA:HB2	14	0.89
(1,4316)	1:22:B:GLN:HA	1:26:B:GLY:HA2	1	0.89
(1,4315)	1:22:A:GLN:HA	1:26:A:GLY:HA2	1	0.89
(1,4297)	1:44:A:ASN:HA	1:47:A:LEU:HD11	9	0.89
(1,4294)	1:27:B:LYS:HB3	1:28:B:ASP:HB3	10	0.89
(1,4293)	1:27:A:LYS:HB3	1:28:A:ASP:HB3	10	0.89
(1,4272)	1:82:B:ASN:HA	1:83:B:LEU:HA	2	0.89
(1,4272)	1:82:B:ASN:HA	1:83:B:LEU:HA	4	0.89
(1,4271)	1:82:A:ASN:HA	1:83:A:LEU:HA	4	0.89
(1,4258)	1:10:B:THR:HA	1:14:B:ILE:HD13	10	0.89
(1,4258)	1:10:B:THR:HA	1:14:B:ILE:HD13	11	0.89
(1,4257)	1:10:A:THR:HA	1:14:A:ILE:HD13	10	0.89
(1,4257)	1:10:A:THR:HA	1:14:A:ILE:HD13	11	0.89
(1,4254)	1:15:B:GLU:HG2	1:88:A:ALA:HB2	15	0.89
(1,4253)	1:15:A:GLU:HG2	1:88:B:ALA:HB2	15	0.89
(1,4230)	1:91:B:CYS:HB2	1:14:A:ILE:HB	6	0.89
(1,4186)	1:40:B:LEU:HG	1:42:B:PHE:HB3	15	0.89
(1,4185)	1:40:A:LEU:HG	1:42:A:PHE:HB3	15	0.89
(1,4072)	1:66:B:LYS:H	1:66:B:LYS:HD3	14	0.89
(1,4071)	1:66:A:LYS:H	1:66:A:LYS:HD3	14	0.89
(1,4050)	1:89:B:MET:HB2	1:91:B:CYS:HB3	10	0.89
(1,4049)	1:89:A:MET:HB2	1:91:A:CYS:HB3	10	0.89
(1,4048)	1:74:B:GLN:HB2	1:76:B:ASP:HB3	10	0.89
(1,4047)	1:74:A:GLN:HB2	1:76:A:ASP:HB3	10	0.89
(1,4029)	1:73:A:GLY:HA3	1:36:A:LYS:HD3	5	0.89
(1,3966)	1:9:B:GLU:HB2	1:12:B:ARG:HD2	3	0.89
(1,3935)	1:82:A:ASN:HB3	1:83:A:LEU:HB3	12	0.89
(1,3884)	1:63:B:MET:HG3	1:65:B:LYS:H	8	0.89
(1,3802)	1:21:B:PHE:HB2	1:22:B:GLN:HA	13	0.89
(1,3801)	1:21:A:PHE:HB2	1:22:A:GLN:HA	9	0.89
(1,3801)	1:21:A:PHE:HB2	1:22:A:GLN:HA	13	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3790)	1:91:B:CYS:HA	1:18:A:ILE:HG23	20	0.89
(1,3789)	1:91:A:CYS:HA	1:18:B:ILE:HG22	6	0.89
(1,3789)	1:91:A:CYS:HA	1:18:B:ILE:HG23	20	0.89
(1,3778)	1:57:B:PRO:HA	1:61:B:ASP:HB3	7	0.89
(1,3730)	1:18:B:ILE:HG23	1:95:A:PHE:HA	12	0.89
(1,3719)	1:47:A:LEU:HD11	1:10:B:THR:H	8	0.89
(1,3678)	1:74:B:GLN:HG2	1:34:B:LEU:HA	8	0.89
(1,3587)	1:76:A:ASP:HB2	1:77:A:PHE:HB3	4	0.89
(1,3561)	1:76:A:ASP:HA	1:34:A:LEU:HD12	2	0.89
(1,3513)	1:40:A:LEU:HB2	1:39:A:PHE:HB3	19	0.89
(1,3466)	1:100:B:PRO:HD2	1:98:B:ALA:HB3	1	0.89
(1,3466)	1:100:B:PRO:HD2	1:98:B:ALA:HB3	16	0.89
(1,3465)	1:100:A:PRO:HD2	1:98:A:ALA:HB3	1	0.89
(1,3462)	1:84:B:ILE:HB	1:80:B:PHE:HB3	7	0.89
(1,3461)	1:84:A:ILE:HB	1:80:A:PHE:HB3	7	0.89
(1,3458)	1:11:B:GLU:HA	1:12:B:ARG:HD3	8	0.89
(1,3457)	1:11:A:GLU:HA	1:12:A:ARG:HD3	8	0.89
(1,3404)	1:9:B:GLU:HB3	1:20:A:VAL:HA	12	0.89
(1,1768)	1:20:B:VAL:HG13	1:24:B:TYR:H	8	0.89
(1,1767)	1:20:A:VAL:HG13	1:24:A:TYR:H	8	0.89
(1,1606)	1:74:B:GLN:HG3	1:33:B:THR:HG22	6	0.89
(1,1014)	1:62:B:ARG:HB3	1:63:B:MET:HG2	5	0.89
(1,1013)	1:62:A:ARG:HB3	1:63:A:MET:HG2	5	0.89
(1,464)	1:68:B:ASP:HB2	1:33:B:THR:HG21	5	0.89
(1,463)	1:68:A:ASP:HB2	1:33:A:THR:HG21	5	0.89
(1,418)	1:69:B:THR:HA	1:75:B:LEU:HD23	11	0.89
(1,417)	1:69:A:THR:HA	1:75:A:LEU:HD23	11	0.89
(1,358)	1:73:B:GLY:HA2	1:72:B:ASP:HB2	18	0.89
(1,319)	1:74:A:GLN:HB3	1:76:A:ASP:HB3	9	0.89
(1,224)	1:34:B:LEU:HB2	1:39:B:PHE:HB3	17	0.89
(1,223)	1:34:A:LEU:HB2	1:39:A:PHE:HB3	17	0.89
(1,145)	1:78:A:SER:HB2	1:81:A:LEU:HB3	17	0.89
(1,80)	1:12:B:ARG:HG3	1:17:A:LEU:HD23	5	0.89
(1,80)	1:12:B:ARG:HG3	1:17:A:LEU:HD21	16	0.89
(1,79)	1:12:A:ARG:HG3	1:17:B:LEU:HD23	5	0.89
(1,79)	1:12:A:ARG:HG3	1:17:B:LEU:HD23	11	0.89
(1,79)	1:12:A:ARG:HG3	1:17:B:LEU:HD21	19	0.89
(1,78)	1:12:B:ARG:HG3	1:17:A:LEU:HD23	5	0.89
(1,78)	1:12:B:ARG:HG3	1:17:A:LEU:HD21	16	0.89
(1,77)	1:12:A:ARG:HG3	1:17:B:LEU:HD23	5	0.89
(1,77)	1:12:A:ARG:HG3	1:17:B:LEU:HD23	11	0.89
(1,77)	1:12:A:ARG:HG3	1:17:B:LEU:HD21	19	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,13)	1:14:A:ILE:HG22	1:84:B:ILE:HG23	19	0.89
(2,154)	1:71:B:SER:H	1:73:B:GLY:HA3	1	0.88
(2,153)	1:71:A:SER:H	1:73:A:GLY:HA3	1	0.88
(2,122)	1:76:B:ASP:HB3	1:68:B:ASP:HA	4	0.88
(2,121)	1:76:A:ASP:HB3	1:68:A:ASP:HA	4	0.88
(1,5500)	1:51:B:THR:H	1:49:B:ALA:HB1	5	0.88
(1,5499)	1:51:A:THR:H	1:49:A:ALA:HB2	4	0.88
(1,5499)	1:51:A:THR:H	1:49:A:ALA:HB1	5	0.88
(1,5486)	1:87:B:LEU:H	1:14:A:ILE:HD13	3	0.88
(1,5457)	1:95:A:PHE:H	1:96:A:LEU:HD22	13	0.88
(1,5346)	1:51:B:THR:H	1:47:B:LEU:HD23	16	0.88
(1,5345)	1:51:A:THR:H	1:47:A:LEU:HD23	16	0.88
(1,5327)	1:99:A:VAL:H	1:96:A:LEU:HD22	16	0.88
(1,5322)	1:47:B:LEU:H	1:87:B:LEU:HD22	6	0.88
(1,5322)	1:47:B:LEU:H	1:87:B:LEU:HD23	19	0.88
(1,5321)	1:47:A:LEU:H	1:87:A:LEU:HD22	6	0.88
(1,5321)	1:47:A:LEU:H	1:87:A:LEU:HD23	19	0.88
(1,5306)	1:81:B:LEU:H	1:82:B:ASN:HB3	4	0.88
(1,4858)	1:23:B:LYS:HB2	1:23:B:LYS:HE3	8	0.88
(1,4781)	1:8:A:THR:HB	1:7:A:PRO:HG2	4	0.88
(1,4758)	1:60:B:LEU:HD12	1:47:B:LEU:H	18	0.88
(1,4678)	1:39:B:PHE:HA	1:46:B:GLU:HB2	20	0.88
(1,4617)	1:68:A:ASP:HA	1:74:A:GLN:HB3	4	0.88
(1,4570)	1:66:B:LYS:H	1:66:B:LYS:HG2	5	0.88
(1,4570)	1:66:B:LYS:H	1:66:B:LYS:HG2	17	0.88
(1,4569)	1:66:A:LYS:H	1:66:A:LYS:HG2	5	0.88
(1,4569)	1:66:A:LYS:H	1:66:A:LYS:HG2	17	0.88
(1,4563)	1:48:A:ALA:HB1	1:52:A:LYS:HD2	18	0.88
(1,4503)	1:24:A:TYR:H	1:34:A:LEU:HD11	17	0.88
(1,4400)	1:48:B:ALA:HB3	1:47:B:LEU:HD22	7	0.88
(1,4392)	1:17:B:LEU:HG	1:81:B:LEU:HD23	19	0.88
(1,4391)	1:17:A:LEU:HG	1:81:A:LEU:HD23	19	0.88
(1,4376)	1:74:B:GLN:H	1:33:B:THR:HG22	20	0.88
(1,4375)	1:74:A:GLN:H	1:33:A:THR:HG22	20	0.88
(1,4359)	1:49:A:ALA:HB2	1:47:A:LEU:HD23	15	0.88
(1,4302)	1:75:B:LEU:HD12	1:68:B:ASP:HB2	13	0.88
(1,4301)	1:75:A:LEU:HD12	1:68:A:ASP:HB2	13	0.88
(1,4298)	1:44:B:ASN:HA	1:47:B:LEU:HD11	3	0.88
(1,4297)	1:44:A:ASN:HA	1:47:A:LEU:HD11	3	0.88
(1,4274)	1:89:B:MET:HB2	1:81:A:LEU:HD13	9	0.88
(1,4254)	1:15:B:GLU:HG2	1:19:B:ALA:HB2	18	0.88
(1,4246)	1:89:B:MET:HB2	1:85:B:GLY:H	5	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4245)	1:89:A:MET:HB2	1:85:A:GLY:H	5	0.88
(1,4186)	1:40:B:LEU:HG	1:42:B:PHE:HB3	14	0.88
(1,4185)	1:40:A:LEU:HG	1:42:A:PHE:HB3	14	0.88
(1,4030)	1:73:B:GLY:HA3	1:36:B:LYS:HD3	5	0.88
(1,4010)	1:59:B:VAL:HG23	1:87:B:LEU:HD21	18	0.88
(1,4009)	1:59:A:VAL:HG23	1:87:A:LEU:HD21	18	0.88
(1,3984)	1:60:B:LEU:HD13	1:52:B:LYS:H	1	0.88
(1,3965)	1:9:A:GLU:HB2	1:12:A:ARG:HD2	3	0.88
(1,3942)	1:13:B:CYS:HB2	1:9:B:GLU:HG2	12	0.88
(1,3941)	1:13:A:CYS:HB2	1:9:A:GLU:HG2	12	0.88
(1,3936)	1:82:B:ASN:HB3	1:83:B:LEU:HB3	12	0.88
(1,3883)	1:63:A:MET:HG3	1:65:A:LYS:H	8	0.88
(1,3870)	1:12:B:ARG:HD3	1:14:B:ILE:HA	13	0.88
(1,3869)	1:12:A:ARG:HD3	1:14:A:ILE:HA	13	0.88
(1,3850)	1:39:B:PHE:HB2	1:64:B:MET:HB2	15	0.88
(1,3849)	1:39:A:PHE:HB2	1:64:A:MET:HB2	15	0.88
(1,3838)	1:33:B:THR:HA	1:34:B:LEU:HG	16	0.88
(1,3837)	1:33:A:THR:HA	1:34:A:LEU:HG	16	0.88
(1,3802)	1:21:B:PHE:HB2	1:22:B:GLN:HA	9	0.88
(1,3756)	1:39:B:PHE:HB2	1:43:B:MET:HB2	8	0.88
(1,3755)	1:39:A:PHE:HB2	1:43:A:MET:HB2	8	0.88
(1,3750)	1:49:B:ALA:HB3	1:87:B:LEU:HD21	6	0.88
(1,3749)	1:49:A:ALA:HB3	1:87:A:LEU:HD21	6	0.88
(1,3729)	1:18:A:ILE:HG23	1:95:B:PHE:HA	12	0.88
(1,3704)	1:39:B:PHE:HB2	1:36:B:LYS:HG3	13	0.88
(1,3703)	1:39:A:PHE:HB2	1:36:A:LYS:HG3	13	0.88
(1,3677)	1:74:A:GLN:HG2	1:34:A:LEU:HA	8	0.88
(1,3648)	1:12:B:ARG:HD3	1:14:B:ILE:HA	13	0.88
(1,3647)	1:12:A:ARG:HD3	1:14:A:ILE:HA	13	0.88
(1,3646)	1:12:B:ARG:HD3	1:14:B:ILE:HA	13	0.88
(1,3645)	1:12:A:ARG:HD3	1:14:A:ILE:HA	13	0.88
(1,3588)	1:76:B:ASP:HB2	1:77:B:PHE:HB3	4	0.88
(1,3551)	1:47:A:LEU:HB2	1:11:B:GLU:HG3	14	0.88
(1,3534)	1:47:B:LEU:HB2	1:11:A:GLU:HG3	3	0.88
(1,3533)	1:47:A:LEU:HB2	1:11:B:GLU:HG3	8	0.88
(1,3514)	1:40:B:LEU:HB2	1:39:B:PHE:HB3	19	0.88
(1,3500)	1:73:B:GLY:HA2	1:72:B:ASP:HB2	11	0.88
(1,3499)	1:73:A:GLY:HA2	1:72:A:ASP:HB2	11	0.88
(1,3424)	1:60:B:LEU:HB2	1:37:B:THR:HA	14	0.88
(1,3423)	1:60:A:LEU:HB2	1:37:A:THR:HA	14	0.88
(1,3403)	1:9:A:GLU:HB3	1:20:B:VAL:HA	12	0.88
(1,3378)	1:8:B:THR:HG23	1:48:A:ALA:HA	19	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2636)	1:43:B:MET:H	1:34:B:LEU:HD21	11	0.88
(1,2635)	1:43:A:MET:H	1:34:A:LEU:HD21	11	0.88
(1,2505)	1:37:A:THR:H	1:34:A:LEU:HD22	10	0.88
(1,1605)	1:74:A:GLN:HG3	1:33:A:THR:HG22	6	0.88
(1,1209)	1:52:A:LYS:HE3	1:51:A:THR:HG22	19	0.88
(1,1014)	1:62:B:ARG:HB3	1:63:B:MET:HG2	6	0.88
(1,1014)	1:62:B:ARG:HB3	1:63:B:MET:HG2	16	0.88
(1,1013)	1:62:A:ARG:HB3	1:63:A:MET:HG2	6	0.88
(1,1013)	1:62:A:ARG:HB3	1:63:A:MET:HG2	10	0.88
(1,1013)	1:62:A:ARG:HB3	1:63:A:MET:HG2	16	0.88
(1,950)	1:94:B:SER:HB3	1:91:B:CYS:HB2	10	0.88
(1,464)	1:68:B:ASP:HB2	1:33:B:THR:HG21	6	0.88
(1,464)	1:68:B:ASP:HB2	1:33:B:THR:HG21	18	0.88
(1,463)	1:68:A:ASP:HB2	1:33:A:THR:HG21	6	0.88
(1,463)	1:68:A:ASP:HB2	1:33:A:THR:HG21	18	0.88
(1,418)	1:69:B:THR:HA	1:75:B:LEU:HD21	12	0.88
(1,417)	1:69:A:THR:HA	1:75:A:LEU:HD21	12	0.88
(1,342)	1:69:B:THR:HB	1:75:B:LEU:HD21	13	0.88
(1,341)	1:69:A:THR:HB	1:75:A:LEU:HD21	13	0.88
(1,320)	1:74:B:GLN:HB3	1:76:B:ASP:HB3	9	0.88
(1,80)	1:12:B:ARG:HG3	1:17:A:LEU:HD23	11	0.88
(1,78)	1:12:B:ARG:HG3	1:17:A:LEU:HD23	11	0.88
(1,13)	1:14:A:ILE:HG21	1:84:B:ILE:HG23	15	0.88
(2,86)	1:42:B:PHE:HB2	1:47:B:LEU:H	16	0.87
(2,85)	1:42:A:PHE:HB2	1:47:A:LEU:H	16	0.87
(1,5500)	1:51:B:THR:H	1:49:B:ALA:HB3	11	0.87
(1,5486)	1:87:B:LEU:H	1:14:A:ILE:HD13	1	0.87
(1,5486)	1:87:B:LEU:H	1:14:A:ILE:HD11	17	0.87
(1,5485)	1:87:A:LEU:H	1:14:B:ILE:HD13	1	0.87
(1,5485)	1:87:A:LEU:H	1:14:B:ILE:HD12	4	0.87
(1,5458)	1:95:B:PHE:H	1:96:B:LEU:HD22	13	0.87
(1,5440)	1:93:B:ASP:H	1:96:B:LEU:HB2	7	0.87
(1,5439)	1:93:A:ASP:H	1:96:A:LEU:HB2	7	0.87
(1,5373)	1:10:A:THR:H	1:47:B:LEU:HD21	17	0.87
(1,5346)	1:51:B:THR:H	1:47:B:LEU:HD13	6	0.87
(1,5345)	1:51:A:THR:H	1:47:A:LEU:HD13	6	0.87
(1,5328)	1:99:B:VAL:H	1:96:B:LEU:HD23	6	0.87
(1,5328)	1:99:B:VAL:H	1:96:B:LEU:HD21	8	0.87
(1,5327)	1:99:A:VAL:H	1:96:A:LEU:HD23	6	0.87
(1,5306)	1:81:B:LEU:H	1:82:B:ASN:HB3	16	0.87
(1,5305)	1:81:A:LEU:H	1:82:A:ASN:HB3	16	0.87
(1,5217)	1:9:A:GLU:H	1:47:B:LEU:HD22	9	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5216)	1:34:B:LEU:H	1:77:B:PHE:HB2	8	0.87
(1,5215)	1:34:A:LEU:H	1:77:A:PHE:HB2	8	0.87
(1,4937)	1:10:A:THR:HG22	1:87:B:LEU:HD22	16	0.87
(1,4857)	1:23:A:LYS:HB2	1:23:A:LYS:HE3	8	0.87
(1,4782)	1:8:B:THR:HB	1:7:B:PRO:HG2	4	0.87
(1,4782)	1:8:B:THR:HB	1:7:B:PRO:HG2	13	0.87
(1,4781)	1:8:A:THR:HB	1:7:A:PRO:HG2	2	0.87
(1,4757)	1:60:A:LEU:HD12	1:47:A:LEU:H	18	0.87
(1,4742)	1:44:B:ASN:HA	1:60:B:LEU:HD11	2	0.87
(1,4741)	1:44:A:ASN:HA	1:60:A:LEU:HD11	2	0.87
(1,4686)	1:20:B:VAL:HG12	1:23:B:LYS:HB2	14	0.87
(1,4685)	1:20:A:VAL:HG12	1:23:A:LYS:HB2	14	0.87
(1,4570)	1:53:B:ASN:H	1:52:B:LYS:HG2	1	0.87
(1,4570)	1:66:B:LYS:H	1:66:B:LYS:HG2	15	0.87
(1,4569)	1:53:A:ASN:H	1:52:A:LYS:HG2	1	0.87
(1,4569)	1:66:A:LYS:H	1:66:A:LYS:HG2	15	0.87
(1,4516)	1:94:B:SER:HB2	1:95:B:PHE:HB2	4	0.87
(1,4464)	1:83:B:LEU:HD11	1:86:B:GLY:H	13	0.87
(1,4463)	1:83:A:LEU:HD11	1:86:A:GLY:H	13	0.87
(1,4462)	1:100:B:PRO:HD3	1:99:B:VAL:HG22	13	0.87
(1,4461)	1:100:A:PRO:HD3	1:99:A:VAL:HG22	13	0.87
(1,4438)	1:22:B:GLN:HG2	1:25:B:ALA:HB1	4	0.87
(1,4438)	1:22:B:GLN:HG2	1:25:B:ALA:HB1	19	0.87
(1,4437)	1:22:A:GLN:HG2	1:25:A:ALA:HB1	4	0.87
(1,4437)	1:22:A:GLN:HG2	1:25:A:ALA:HB1	19	0.87
(1,4422)	1:42:B:PHE:HA	1:45:B:THR:HG23	6	0.87
(1,4421)	1:42:A:PHE:HA	1:45:A:THR:HG23	6	0.87
(1,4400)	1:48:B:ALA:HB2	1:47:B:LEU:HD21	13	0.87
(1,4399)	1:48:A:ALA:HB3	1:47:A:LEU:HD22	7	0.87
(1,4399)	1:48:A:ALA:HB2	1:47:A:LEU:HD21	13	0.87
(1,4392)	1:17:B:LEU:HG	1:81:B:LEU:HD21	5	0.87
(1,4391)	1:17:A:LEU:HG	1:81:A:LEU:HD21	5	0.87
(1,4360)	1:49:B:ALA:HB2	1:47:B:LEU:HD23	15	0.87
(1,4360)	1:49:B:ALA:HB2	1:47:B:LEU:HD22	20	0.87
(1,4359)	1:49:A:ALA:HB2	1:47:A:LEU:HD22	20	0.87
(1,4258)	1:10:B:THR:HA	1:14:B:ILE:HD13	14	0.87
(1,4258)	1:10:B:THR:HA	1:14:B:ILE:HD12	19	0.87
(1,4257)	1:10:A:THR:HA	1:14:A:ILE:HD13	14	0.87
(1,4253)	1:15:A:GLU:HG2	1:19:A:ALA:HB2	18	0.87
(1,4172)	1:24:B:TYR:HB2	1:27:B:LYS:HD2	4	0.87
(1,4066)	1:44:B:ASN:HB3	1:60:B:LEU:HD12	20	0.87
(1,4065)	1:44:A:ASN:HB3	1:60:A:LEU:HD12	20	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4050)	1:74:B:GLN:HG3	1:68:B:ASP:HB2	3	0.87
(1,4049)	1:74:A:GLN:HG3	1:68:A:ASP:HB2	3	0.87
(1,3983)	1:60:A:LEU:HD13	1:52:A:LYS:H	1	0.87
(1,3960)	1:99:B:VAL:HG11	1:101:B:SER:HB3	10	0.87
(1,3959)	1:99:A:VAL:HG12	1:101:A:SER:HB2	7	0.87
(1,3936)	1:82:B:ASN:HB3	1:66:B:LYS:HD2	10	0.87
(1,3935)	1:82:A:ASN:HB3	1:66:A:LYS:HD2	10	0.87
(1,3900)	1:75:B:LEU:HB2	1:74:B:GLN:HG2	5	0.87
(1,3899)	1:75:A:LEU:HB2	1:74:A:GLN:HG2	5	0.87
(1,3884)	1:89:B:MET:HG3	1:82:A:ASN:H	15	0.87
(1,3884)	1:89:B:MET:HG3	1:82:A:ASN:H	18	0.87
(1,3872)	1:39:B:PHE:H	1:34:B:LEU:HD12	5	0.87
(1,3802)	1:21:B:PHE:HB2	1:22:B:GLN:HA	2	0.87
(1,3802)	1:21:B:PHE:HB2	1:22:B:GLN:HA	7	0.87
(1,3802)	1:21:B:PHE:HB2	1:22:B:GLN:HA	12	0.87
(1,3801)	1:21:A:PHE:HB2	1:22:A:GLN:HA	2	0.87
(1,3801)	1:21:A:PHE:HB2	1:22:A:GLN:HA	7	0.87
(1,3801)	1:21:A:PHE:HB2	1:22:A:GLN:HA	12	0.87
(1,3757)	1:40:A:LEU:HA	1:36:A:LYS:HE2	13	0.87
(1,3732)	1:25:B:ALA:HB3	1:35:B:SER:HB2	15	0.87
(1,3726)	1:46:B:GLU:HB2	1:20:B:VAL:HG11	8	0.87
(1,3719)	1:47:A:LEU:HD13	1:10:B:THR:H	13	0.87
(1,3704)	1:39:B:PHE:HB2	1:75:B:LEU:HB3	4	0.87
(1,3703)	1:39:A:PHE:HB2	1:75:A:LEU:HB3	4	0.87
(1,3678)	1:74:B:GLN:HG2	1:34:B:LEU:HA	5	0.87
(1,3677)	1:74:A:GLN:HG2	1:34:A:LEU:HA	5	0.87
(1,3618)	1:37:B:THR:HB	1:34:B:LEU:HD21	6	0.87
(1,3617)	1:37:A:THR:HB	1:34:A:LEU:HD21	6	0.87
(1,3552)	1:47:B:LEU:HB2	1:11:A:GLU:HG3	14	0.87
(1,3552)	1:47:B:LEU:HB2	1:11:A:GLU:HG3	17	0.87
(1,3500)	1:29:B:GLY:HA2	1:28:B:ASP:HB2	9	0.87
(1,3499)	1:29:A:GLY:HA2	1:28:A:ASP:HB2	9	0.87
(1,3416)	1:83:B:LEU:HG	1:66:B:LYS:HE2	3	0.87
(1,3415)	1:83:A:LEU:HG	1:66:A:LYS:HE2	3	0.87
(1,3371)	1:10:A:THR:HG22	1:87:B:LEU:HD22	16	0.87
(1,2636)	1:43:B:MET:H	1:34:B:LEU:HD23	5	0.87
(1,2635)	1:43:A:MET:H	1:34:A:LEU:HD23	5	0.87
(1,2138)	1:47:B:LEU:HB2	1:50:B:PHE:HB2	9	0.87
(1,2137)	1:47:A:LEU:HB2	1:50:A:PHE:HB2	9	0.87
(1,1768)	1:20:B:VAL:HG13	1:24:B:TYR:H	1	0.87
(1,1210)	1:52:B:LYS:HE3	1:51:B:THR:HG22	19	0.87
(1,1014)	1:62:B:ARG:HB3	1:63:B:MET:HG2	1	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1014)	1:62:B:ARG:HB3	1:63:B:MET:HG2	2	0.87
(1,1014)	1:62:B:ARG:HB3	1:63:B:MET:HG2	10	0.87
(1,1013)	1:62:A:ARG:HB3	1:63:A:MET:HG2	1	0.87
(1,1013)	1:62:A:ARG:HB3	1:63:A:MET:HG2	2	0.87
(1,949)	1:94:A:SER:HB3	1:91:A:CYS:HB2	10	0.87
(1,688)	1:46:B:GLU:HG3	1:20:B:VAL:HG22	20	0.87
(1,687)	1:46:A:GLU:HG3	1:20:A:VAL:HG22	20	0.87
(1,636)	1:62:B:ARG:HG2	1:61:B:ASP:HB2	19	0.87
(1,635)	1:62:A:ARG:HG2	1:61:A:ASP:HB2	19	0.87
(1,319)	1:74:A:GLN:HB3	1:76:A:ASP:HB3	1	0.87
(1,188)	1:42:B:PHE:HA	1:34:B:LEU:HD22	19	0.87
(1,187)	1:42:A:PHE:HA	1:34:A:LEU:HD22	19	0.87
(1,80)	1:12:B:ARG:HG3	1:17:A:LEU:HD23	10	0.87
(1,79)	1:12:A:ARG:HG3	1:17:B:LEU:HD21	17	0.87
(1,78)	1:12:B:ARG:HG3	1:17:A:LEU:HD23	10	0.87
(1,77)	1:12:A:ARG:HG3	1:17:B:LEU:HD21	17	0.87
(1,14)	1:14:B:ILE:HG22	1:84:A:ILE:HG22	14	0.87
(1,14)	1:14:B:ILE:HG21	1:84:A:ILE:HG23	15	0.87
(1,12)	1:18:B:ILE:HG22	1:94:A:SER:HB2	16	0.87
(1,11)	1:18:A:ILE:HG22	1:94:B:SER:HB2	16	0.87
(2,16)	1:61:B:ASP:HB2	1:62:B:ARG:HD2	18	0.86
(1,5590)	1:19:B:ALA:H	1:14:B:ILE:HG22	10	0.86
(1,5590)	1:19:B:ALA:H	1:14:B:ILE:HG22	15	0.86
(1,5589)	1:19:A:ALA:H	1:14:A:ILE:HG22	10	0.86
(1,5589)	1:19:A:ALA:H	1:14:A:ILE:HG22	15	0.86
(1,5500)	1:51:B:THR:H	1:49:B:ALA:HB1	19	0.86
(1,5499)	1:51:A:THR:H	1:49:A:ALA:HB3	11	0.86
(1,5499)	1:51:A:THR:H	1:49:A:ALA:HB1	19	0.86
(1,5495)	1:59:A:VAL:H	1:61:A:ASP:HB3	16	0.86
(1,5486)	1:87:B:LEU:H	1:14:A:ILE:HD13	9	0.86
(1,5485)	1:87:A:LEU:H	1:14:B:ILE:HD13	9	0.86
(1,5485)	1:87:A:LEU:H	1:14:B:ILE:HD12	10	0.86
(1,5480)	1:86:B:GLY:H	1:67:B:LEU:HD21	1	0.86
(1,5480)	1:86:B:GLY:H	1:67:B:LEU:HD23	2	0.86
(1,5480)	1:86:B:GLY:H	1:67:B:LEU:HD21	19	0.86
(1,5479)	1:86:A:GLY:H	1:67:A:LEU:HD21	1	0.86
(1,5479)	1:86:A:GLY:H	1:67:A:LEU:HD23	2	0.86
(1,5479)	1:86:A:GLY:H	1:67:A:LEU:HD21	19	0.86
(1,5472)	1:80:B:PHE:H	1:75:B:LEU:HD12	5	0.86
(1,5471)	1:80:A:PHE:H	1:75:A:LEU:HD12	5	0.86
(1,5350)	1:26:B:GLY:H	1:38:B:GLU:HB3	2	0.86
(1,5350)	1:26:B:GLY:H	1:22:B:GLN:HB3	3	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5349)	1:26:A:GLY:H	1:38:A:GLU:HB3	2	0.86
(1,5349)	1:26:A:GLY:H	1:22:A:GLN:HB3	3	0.86
(1,5328)	1:99:B:VAL:H	1:96:B:LEU:HD21	15	0.86
(1,5327)	1:99:A:VAL:H	1:96:A:LEU:HD21	8	0.86
(1,5327)	1:99:A:VAL:H	1:96:A:LEU:HD21	15	0.86
(1,5216)	1:34:B:LEU:H	1:77:B:PHE:HB2	11	0.86
(1,5215)	1:34:A:LEU:H	1:77:A:PHE:HB2	11	0.86
(1,4938)	1:10:B:THR:HG22	1:87:A:LEU:HD22	16	0.86
(1,4840)	1:80:B:PHE:HB3	1:39:B:PHE:HB3	15	0.86
(1,4839)	1:80:A:PHE:HB3	1:39:A:PHE:HB3	15	0.86
(1,4818)	1:59:B:VAL:HA	1:62:B:ARG:HG2	8	0.86
(1,4782)	1:8:B:THR:HB	1:7:B:PRO:HG2	2	0.86
(1,4781)	1:8:A:THR:HB	1:7:A:PRO:HG2	13	0.86
(1,4756)	1:46:B:GLU:HB2	1:45:B:THR:HG22	17	0.86
(1,4742)	1:44:B:ASN:HA	1:60:B:LEU:HD11	5	0.86
(1,4741)	1:44:A:ASN:HA	1:60:A:LEU:HD11	5	0.86
(1,4632)	1:61:B:ASP:H	1:40:B:LEU:HD22	17	0.86
(1,4631)	1:61:A:ASP:H	1:40:A:LEU:HD22	17	0.86
(1,4618)	1:68:B:ASP:HA	1:74:B:GLN:HB3	1	0.86
(1,4617)	1:68:A:ASP:HA	1:74:A:GLN:HB3	1	0.86
(1,4570)	1:66:B:LYS:H	1:66:B:LYS:HG2	14	0.86
(1,4569)	1:53:A:ASN:H	1:52:A:LYS:HG2	8	0.86
(1,4569)	1:66:A:LYS:H	1:66:A:LYS:HG2	14	0.86
(1,4515)	1:94:A:SER:HB2	1:95:A:PHE:HB2	4	0.86
(1,4488)	1:84:B:ILE:HB	1:17:B:LEU:HD22	16	0.86
(1,4438)	1:22:B:GLN:HG2	1:25:B:ALA:HB3	16	0.86
(1,4437)	1:22:A:GLN:HG2	1:25:A:ALA:HB3	16	0.86
(1,4376)	1:74:B:GLN:H	1:33:B:THR:HG23	1	0.86
(1,4376)	1:74:B:GLN:H	1:33:B:THR:HG22	6	0.86
(1,4375)	1:74:A:GLN:H	1:33:A:THR:HG22	6	0.86
(1,4360)	1:49:B:ALA:HB3	1:47:B:LEU:HD23	6	0.86
(1,4359)	1:49:A:ALA:HB3	1:47:A:LEU:HD23	6	0.86
(1,4359)	1:49:A:ALA:HB3	1:47:A:LEU:HD22	8	0.86
(1,4316)	1:22:B:GLN:HA	1:26:B:GLY:HA2	3	0.86
(1,4316)	1:37:B:THR:HA	1:40:B:LEU:HA	10	0.86
(1,4316)	1:22:B:GLN:HA	1:26:B:GLY:HA2	12	0.86
(1,4315)	1:22:A:GLN:HA	1:26:A:GLY:HA2	3	0.86
(1,4315)	1:37:A:THR:HA	1:40:A:LEU:HA	10	0.86
(1,4315)	1:22:A:GLN:HA	1:26:A:GLY:HA2	12	0.86
(1,4302)	1:34:B:LEU:HD13	1:80:B:PHE:HB3	17	0.86
(1,4301)	1:34:A:LEU:HD13	1:80:A:PHE:HB3	17	0.86
(1,4257)	1:10:A:THR:HA	1:14:A:ILE:HD13	8	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4257)	1:10:A:THR:HA	1:14:A:ILE:HD12	19	0.86
(1,4254)	1:15:B:GLU:HG2	1:88:A:ALA:HB2	5	0.86
(1,4172)	1:24:B:TYR:HB2	1:27:B:LYS:HD2	8	0.86
(1,4171)	1:24:A:TYR:HB2	1:27:A:LYS:HD2	4	0.86
(1,4171)	1:24:A:TYR:HB2	1:27:A:LYS:HD2	8	0.86
(1,4048)	1:74:B:GLN:HB2	1:76:B:ASP:HB3	2	0.86
(1,4047)	1:74:A:GLN:HB2	1:76:A:ASP:HB3	2	0.86
(1,4029)	1:73:A:GLY:HA3	1:36:A:LYS:HD3	2	0.86
(1,4022)	1:49:B:ALA:HB1	1:91:B:CYS:HB3	18	0.86
(1,4021)	1:49:A:ALA:HB1	1:91:A:CYS:HB3	18	0.86
(1,3956)	1:48:B:ALA:HA	1:50:B:PHE:HB3	15	0.86
(1,3955)	1:48:A:ALA:HA	1:50:A:PHE:HB3	15	0.86
(1,3942)	1:13:B:CYS:HB2	1:9:B:GLU:HG2	9	0.86
(1,3941)	1:13:A:CYS:HB2	1:9:A:GLU:HG2	9	0.86
(1,3898)	1:10:B:THR:HA	1:14:B:ILE:HB	14	0.86
(1,3898)	1:10:B:THR:HA	1:14:B:ILE:HB	20	0.86
(1,3897)	1:10:A:THR:HA	1:14:A:ILE:HB	5	0.86
(1,3897)	1:10:A:THR:HA	1:14:A:ILE:HB	14	0.86
(1,3897)	1:10:A:THR:HA	1:14:A:ILE:HB	20	0.86
(1,3883)	1:89:A:MET:HG3	1:82:B:ASN:H	15	0.86
(1,3883)	1:89:A:MET:HG3	1:82:B:ASN:H	18	0.86
(1,3871)	1:39:A:PHE:H	1:34:A:LEU:HD13	18	0.86
(1,3758)	1:40:B:LEU:HA	1:36:B:LYS:HE2	13	0.86
(1,3735)	1:37:A:THR:HB	1:35:A:SER:HA	17	0.86
(1,3731)	1:25:A:ALA:HB3	1:35:A:SER:HB2	15	0.86
(1,3725)	1:46:A:GLU:HB2	1:20:A:VAL:HG11	8	0.86
(1,3656)	1:48:B:ALA:HB3	1:46:B:GLU:HG2	2	0.86
(1,3655)	1:48:A:ALA:HB3	1:46:A:GLU:HG2	2	0.86
(1,3551)	1:47:A:LEU:HB2	1:11:B:GLU:HG3	5	0.86
(1,3516)	1:51:B:THR:HG22	1:50:B:PHE:HB2	5	0.86
(1,3515)	1:51:A:THR:HG22	1:50:A:PHE:HB2	5	0.86
(1,3500)	1:73:B:GLY:HA2	1:72:B:ASP:HB2	15	0.86
(1,3499)	1:73:A:GLY:HA2	1:72:A:ASP:HB2	15	0.86
(1,3454)	1:87:B:LEU:HB2	1:89:B:MET:HB2	9	0.86
(1,3453)	1:87:A:LEU:HB2	1:89:A:MET:HB2	9	0.86
(1,3372)	1:10:B:THR:HG22	1:87:A:LEU:HD22	16	0.86
(1,3364)	1:81:B:LEU:HD22	1:81:A:LEU:HA	19	0.86
(1,1768)	1:20:B:VAL:HG12	1:24:B:TYR:H	5	0.86
(1,1767)	1:20:A:VAL:HG13	1:24:A:TYR:H	1	0.86
(1,1767)	1:20:A:VAL:HG12	1:24:A:TYR:H	5	0.86
(1,418)	1:69:B:THR:HA	1:75:B:LEU:HD23	14	0.86
(1,417)	1:69:A:THR:HA	1:75:A:LEU:HD23	14	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,347)	1:75:A:LEU:HD12	1:74:A:GLN:HA	9	0.86
(1,342)	1:69:B:THR:HB	1:75:B:LEU:HD23	18	0.86
(1,320)	1:74:B:GLN:HB3	1:76:B:ASP:HB3	1	0.86
(1,320)	1:74:B:GLN:HB3	1:76:B:ASP:HB3	12	0.86
(1,319)	1:74:A:GLN:HB3	1:76:A:ASP:HB3	12	0.86
(1,210)	1:76:B:ASP:HA	1:34:B:LEU:HB3	10	0.86
(1,209)	1:76:A:ASP:HA	1:34:A:LEU:HB3	10	0.86
(1,79)	1:12:A:ARG:HG3	1:17:B:LEU:HD23	10	0.86
(1,77)	1:12:A:ARG:HG3	1:17:B:LEU:HD23	10	0.86
(1,76)	1:91:B:CYS:HB3	1:14:A:ILE:HG22	9	0.86
(1,13)	1:14:A:ILE:HG22	1:84:B:ILE:HG22	14	0.86
(2,15)	1:61:A:ASP:HB2	1:62:A:ARG:HD2	18	0.85
(1,5650)	1:18:B:ILE:H	1:14:B:ILE:HG21	13	0.85
(1,5649)	1:18:A:ILE:H	1:14:A:ILE:HG21	13	0.85
(1,5590)	1:19:B:ALA:H	1:14:B:ILE:HG23	5	0.85
(1,5590)	1:19:B:ALA:H	1:14:B:ILE:HG23	12	0.85
(1,5589)	1:19:A:ALA:H	1:14:A:ILE:HG23	5	0.85
(1,5589)	1:19:A:ALA:H	1:14:A:ILE:HG23	12	0.85
(1,5486)	1:87:B:LEU:H	1:14:A:ILE:HD12	10	0.85
(1,5486)	1:87:B:LEU:H	1:14:A:ILE:HD11	18	0.85
(1,5485)	1:87:A:LEU:H	1:14:B:ILE:HD11	18	0.85
(1,5480)	1:86:B:GLY:H	1:67:B:LEU:HD23	17	0.85
(1,5479)	1:86:A:GLY:H	1:67:A:LEU:HD23	17	0.85
(1,5374)	1:10:B:THR:H	1:47:A:LEU:HD21	17	0.85
(1,5328)	1:99:B:VAL:H	1:96:B:LEU:HD22	10	0.85
(1,5327)	1:99:A:VAL:H	1:96:A:LEU:HD22	10	0.85
(1,5314)	1:92:B:HIS:H	1:96:B:LEU:HD22	3	0.85
(1,5313)	1:92:A:HIS:H	1:96:A:LEU:HD22	3	0.85
(1,5202)	1:40:B:LEU:H	1:64:B:MET:HG3	16	0.85
(1,5201)	1:40:A:LEU:H	1:64:A:MET:HG3	16	0.85
(1,4817)	1:59:A:VAL:HA	1:62:A:ARG:HG2	8	0.85
(1,4782)	1:8:B:THR:HB	1:7:B:PRO:HG2	8	0.85
(1,4781)	1:8:A:THR:HB	1:7:A:PRO:HG2	8	0.85
(1,4755)	1:46:A:GLU:HB2	1:45:A:THR:HG22	17	0.85
(1,4742)	1:44:B:ASN:HA	1:60:B:LEU:HD13	1	0.85
(1,4742)	1:44:B:ASN:HA	1:60:B:LEU:HD13	3	0.85
(1,4741)	1:44:A:ASN:HA	1:60:A:LEU:HD13	1	0.85
(1,4741)	1:44:A:ASN:HA	1:60:A:LEU:HD13	3	0.85
(1,4706)	1:64:B:MET:HG3	1:36:B:LYS:HE3	5	0.85
(1,4705)	1:64:A:MET:HG3	1:36:A:LYS:HE3	5	0.85
(1,4686)	1:20:B:VAL:HG13	1:22:B:GLN:HB2	11	0.85
(1,4685)	1:20:A:VAL:HG13	1:22:A:GLN:HB2	11	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4628)	1:60:B:LEU:HD21	1:47:B:LEU:H	2	0.85
(1,4627)	1:60:A:LEU:HD21	1:47:A:LEU:H	2	0.85
(1,4618)	1:68:B:ASP:HA	1:74:B:GLN:HB3	3	0.85
(1,4618)	1:68:B:ASP:HA	1:74:B:GLN:HB3	8	0.85
(1,4617)	1:68:A:ASP:HA	1:74:A:GLN:HB3	3	0.85
(1,4617)	1:68:A:ASP:HA	1:74:A:GLN:HB3	8	0.85
(1,4570)	1:53:B:ASN:H	1:52:B:LYS:HG2	8	0.85
(1,4522)	1:69:B:THR:HG23	1:70:B:ASN:HB3	7	0.85
(1,4504)	1:24:B:TYR:H	1:34:B:LEU:HD13	13	0.85
(1,4503)	1:24:A:TYR:H	1:34:A:LEU:HD13	13	0.85
(1,4487)	1:84:A:ILE:HB	1:17:A:LEU:HD22	16	0.85
(1,4392)	1:17:B:LEU:HG	1:81:B:LEU:HD23	2	0.85
(1,4391)	1:17:A:LEU:HG	1:81:A:LEU:HD23	2	0.85
(1,4384)	1:11:B:GLU:HB3	1:14:B:ILE:HD12	12	0.85
(1,4383)	1:11:A:GLU:HB3	1:14:A:ILE:HD12	12	0.85
(1,4376)	1:74:B:GLN:H	1:33:B:THR:HG22	10	0.85
(1,4375)	1:74:A:GLN:H	1:33:A:THR:HG23	1	0.85
(1,4375)	1:74:A:GLN:H	1:33:A:THR:HG22	10	0.85
(1,4360)	1:49:B:ALA:HB3	1:47:B:LEU:HD22	8	0.85
(1,4316)	1:22:B:GLN:HA	1:26:B:GLY:HA2	9	0.85
(1,4315)	1:22:A:GLN:HA	1:26:A:GLY:HA2	9	0.85
(1,4298)	1:44:B:ASN:HA	1:47:B:LEU:HD12	13	0.85
(1,4297)	1:44:A:ASN:HA	1:47:A:LEU:HD12	13	0.85
(1,4258)	1:10:B:THR:HA	1:14:B:ILE:HD12	1	0.85
(1,4258)	1:10:B:THR:HA	1:14:B:ILE:HD13	8	0.85
(1,4257)	1:10:A:THR:HA	1:14:A:ILE:HD12	1	0.85
(1,4254)	1:15:B:GLU:HG2	1:88:A:ALA:HB1	19	0.85
(1,4253)	1:15:A:GLU:HG2	1:88:B:ALA:HB2	5	0.85
(1,4253)	1:15:A:GLU:HG2	1:88:B:ALA:HB1	17	0.85
(1,4246)	1:89:B:MET:HB2	1:85:B:GLY:H	13	0.85
(1,4245)	1:89:A:MET:HB2	1:85:A:GLY:H	13	0.85
(1,4214)	1:53:B:ASN:H	1:52:B:LYS:HD3	16	0.85
(1,4213)	1:53:A:ASN:H	1:52:A:LYS:HD3	16	0.85
(1,4065)	1:44:A:ASN:HB3	1:60:A:LEU:HD11	18	0.85
(1,4030)	1:73:B:GLY:HA3	1:36:B:LYS:HD3	2	0.85
(1,3960)	1:99:B:VAL:HG12	1:101:B:SER:HB2	6	0.85
(1,3960)	1:99:B:VAL:HG12	1:101:B:SER:HB2	7	0.85
(1,3959)	1:99:A:VAL:HG12	1:101:A:SER:HB2	6	0.85
(1,3959)	1:99:A:VAL:HG11	1:101:A:SER:HB3	10	0.85
(1,3959)	1:99:A:VAL:HG11	1:101:A:SER:HB2	20	0.85
(1,3904)	1:57:B:PRO:HA	1:59:B:VAL:HA	15	0.85
(1,3903)	1:57:A:PRO:HA	1:59:A:VAL:HA	15	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3898)	1:10:B:THR:HA	1:14:B:ILE:HB	5	0.85
(1,3883)	1:89:A:MET:HG3	1:82:B:ASN:H	14	0.85
(1,3872)	1:39:B:PHE:H	1:34:B:LEU:HD13	18	0.85
(1,3871)	1:39:A:PHE:H	1:34:A:LEU:HD12	5	0.85
(1,3790)	1:91:B:CYS:HA	1:18:A:ILE:HG22	15	0.85
(1,3762)	1:58:B:GLY:HA3	1:62:B:ARG:HG2	20	0.85
(1,3761)	1:58:A:GLY:HA3	1:62:A:ARG:HG2	20	0.85
(1,3736)	1:37:B:THR:HB	1:35:B:SER:HA	17	0.85
(1,3720)	1:47:B:LEU:HD13	1:10:A:THR:H	13	0.85
(1,3716)	1:14:B:ILE:HB	1:87:A:LEU:HD13	3	0.85
(1,3678)	1:74:B:GLN:HG2	1:34:B:LEU:HA	7	0.85
(1,3677)	1:74:A:GLN:HG2	1:34:A:LEU:HA	7	0.85
(1,3655)	1:48:A:ALA:HB2	1:11:B:GLU:HG3	16	0.85
(1,3626)	1:34:B:LEU:HA	1:24:B:TYR:HB2	2	0.85
(1,3625)	1:34:A:LEU:HA	1:24:A:TYR:HB2	2	0.85
(1,3558)	1:68:B:ASP:HA	1:33:B:THR:HG21	18	0.85
(1,3557)	1:68:A:ASP:HA	1:33:A:THR:HG21	18	0.85
(1,3552)	1:47:B:LEU:HB2	1:11:A:GLU:HG3	5	0.85
(1,3481)	1:69:A:THR:HB	1:67:A:LEU:HD21	2	0.85
(1,3462)	1:84:B:ILE:HB	1:80:B:PHE:HB3	18	0.85
(1,3461)	1:84:A:ILE:HB	1:80:A:PHE:HB3	18	0.85
(1,3458)	1:11:B:GLU:HA	1:12:B:ARG:HD2	1	0.85
(1,3458)	1:11:B:GLU:HA	1:12:B:ARG:HD2	2	0.85
(1,3457)	1:11:A:GLU:HA	1:12:A:ARG:HD2	1	0.85
(1,3457)	1:11:A:GLU:HA	1:12:A:ARG:HD2	2	0.85
(1,3454)	1:87:B:LEU:HB2	1:89:B:MET:HB2	7	0.85
(1,3453)	1:87:A:LEU:HB2	1:89:A:MET:HB2	7	0.85
(1,3377)	1:8:A:THR:HG23	1:48:B:ALA:HA	16	0.85
(1,3377)	1:8:A:THR:HG23	1:48:B:ALA:HA	19	0.85
(1,3364)	1:81:B:LEU:HD22	1:81:A:LEU:HA	9	0.85
(1,3363)	1:81:A:LEU:HD22	1:81:B:LEU:HA	9	0.85
(1,2505)	1:37:A:THR:H	1:34:A:LEU:HD22	7	0.85
(1,1944)	1:42:B:PHE:HA	1:27:B:LYS:HE2	13	0.85
(1,1943)	1:42:A:PHE:HA	1:27:A:LYS:HE2	13	0.85
(1,1768)	1:20:B:VAL:HG12	1:24:B:TYR:H	14	0.85
(1,1767)	1:20:A:VAL:HG12	1:24:A:TYR:H	14	0.85
(1,1605)	1:74:A:GLN:HG3	1:33:A:THR:HG23	20	0.85
(1,1014)	1:62:B:ARG:HB3	1:63:B:MET:HG2	8	0.85
(1,1013)	1:62:A:ARG:HB3	1:63:A:MET:HG2	8	0.85
(1,418)	1:69:B:THR:HA	1:75:B:LEU:HD22	15	0.85
(1,417)	1:69:A:THR:HA	1:75:A:LEU:HD22	15	0.85
(1,348)	1:75:B:LEU:HD12	1:74:B:GLN:HA	9	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,342)	1:69:B:THR:HB	1:75:B:LEU:HD22	1	0.85
(1,341)	1:69:A:THR:HB	1:75:A:LEU:HD21	17	0.85
(1,341)	1:69:A:THR:HB	1:75:A:LEU:HD23	18	0.85
(1,320)	1:74:B:GLN:HB3	1:76:B:ASP:HB3	15	0.85
(1,319)	1:74:A:GLN:HB3	1:76:A:ASP:HB3	15	0.85
(1,90)	1:15:B:GLU:HB2	1:9:A:GLU:HG3	18	0.85
(1,88)	1:15:B:GLU:HB2	1:9:A:GLU:HG3	18	0.85
(1,79)	1:12:A:ARG:HG3	1:17:B:LEU:HD21	6	0.85
(1,77)	1:12:A:ARG:HG3	1:17:B:LEU:HD21	6	0.85
(1,75)	1:91:A:CYS:HB3	1:14:B:ILE:HG22	9	0.85
(2,86)	1:42:B:PHE:HB2	1:47:B:LEU:H	2	0.84
(2,85)	1:42:A:PHE:HB2	1:47:A:LEU:H	2	0.84
(2,16)	1:61:B:ASP:HB2	1:62:B:ARG:HD2	13	0.84
(1,5590)	1:19:B:ALA:H	1:14:B:ILE:HG22	3	0.84
(1,5590)	1:19:B:ALA:H	1:14:B:ILE:HG22	9	0.84
(1,5589)	1:19:A:ALA:H	1:14:A:ILE:HG22	3	0.84
(1,5589)	1:19:A:ALA:H	1:14:A:ILE:HG22	9	0.84
(1,5499)	1:51:A:THR:H	1:49:A:ALA:HB2	2	0.84
(1,5496)	1:59:B:VAL:H	1:61:B:ASP:HB3	16	0.84
(1,5486)	1:87:B:LEU:H	1:14:A:ILE:HD13	5	0.84
(1,5485)	1:87:A:LEU:H	1:14:B:ILE:HD13	5	0.84
(1,5485)	1:87:A:LEU:H	1:14:B:ILE:HD12	15	0.84
(1,5478)	1:37:B:THR:H	1:40:B:LEU:HD12	13	0.84
(1,5477)	1:37:A:THR:H	1:40:A:LEU:HD12	13	0.84
(1,5416)	1:69:B:THR:H	1:75:B:LEU:HB2	20	0.84
(1,5415)	1:69:A:THR:H	1:75:A:LEU:HB2	20	0.84
(1,5328)	1:99:B:VAL:H	1:96:B:LEU:HD22	2	0.84
(1,5328)	1:99:B:VAL:H	1:96:B:LEU:HD22	14	0.84
(1,5327)	1:99:A:VAL:H	1:96:A:LEU:HD22	2	0.84
(1,5327)	1:99:A:VAL:H	1:96:A:LEU:HD22	4	0.84
(1,5327)	1:99:A:VAL:H	1:96:A:LEU:HD22	14	0.84
(1,5218)	1:9:B:GLU:H	1:47:A:LEU:HD22	9	0.84
(1,5216)	1:34:B:LEU:H	1:77:B:PHE:HB2	7	0.84
(1,5216)	1:34:B:LEU:H	1:77:B:PHE:HB2	20	0.84
(1,5215)	1:34:A:LEU:H	1:77:A:PHE:HB2	20	0.84
(1,4858)	1:23:B:LYS:HB2	1:23:B:LYS:HE3	4	0.84
(1,4858)	1:23:B:LYS:HB2	1:23:B:LYS:HE3	5	0.84
(1,4857)	1:23:A:LYS:HB2	1:23:A:LYS:HE3	4	0.84
(1,4857)	1:23:A:LYS:HB2	1:23:A:LYS:HE3	5	0.84
(1,4782)	1:8:B:THR:HB	1:7:B:PRO:HG2	7	0.84
(1,4686)	1:20:B:VAL:HG12	1:23:B:LYS:HB2	2	0.84
(1,4685)	1:20:A:VAL:HG12	1:23:A:LYS:HB2	2	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4570)	1:53:B:ASN:H	1:52:B:LYS:HG2	12	0.84
(1,4569)	1:53:A:ASN:H	1:52:A:LYS:HG2	12	0.84
(1,4521)	1:45:A:THR:HG21	1:44:A:ASN:HB2	7	0.84
(1,4504)	1:24:B:TYR:H	1:34:B:LEU:HD12	14	0.84
(1,4503)	1:24:A:TYR:H	1:34:A:LEU:HD12	14	0.84
(1,4464)	1:83:B:LEU:HD13	1:86:B:GLY:H	18	0.84
(1,4463)	1:83:A:LEU:HD13	1:86:A:GLY:H	18	0.84
(1,4462)	1:100:B:PRO:HD3	1:99:B:VAL:HG21	15	0.84
(1,4461)	1:100:A:PRO:HD3	1:99:A:VAL:HG21	15	0.84
(1,4378)	1:21:B:PHE:HB2	1:20:B:VAL:HG21	4	0.84
(1,4377)	1:21:A:PHE:HB2	1:20:A:VAL:HG21	4	0.84
(1,4376)	1:74:B:GLN:H	1:33:B:THR:HG21	8	0.84
(1,4360)	1:49:B:ALA:HB1	1:47:B:LEU:HD21	13	0.84
(1,4359)	1:49:A:ALA:HB1	1:47:A:LEU:HD21	13	0.84
(1,4316)	1:22:B:GLN:HA	1:26:B:GLY:HA2	11	0.84
(1,4315)	1:22:A:GLN:HA	1:26:A:GLY:HA2	11	0.84
(1,4270)	1:25:B:ALA:HB2	1:24:B:TYR:HB2	10	0.84
(1,4270)	1:25:B:ALA:HB1	1:24:B:TYR:HB2	16	0.84
(1,4269)	1:25:A:ALA:HB2	1:24:A:TYR:HB2	10	0.84
(1,4230)	1:91:B:CYS:HB2	1:14:A:ILE:HB	16	0.84
(1,4229)	1:91:A:CYS:HB2	1:14:B:ILE:HB	16	0.84
(1,4214)	1:53:B:ASN:H	1:52:B:LYS:HD2	6	0.84
(1,4213)	1:53:A:ASN:H	1:52:A:LYS:HD2	6	0.84
(1,4120)	1:46:B:GLU:HB3	1:87:B:LEU:HD11	7	0.84
(1,4119)	1:46:A:GLU:HB3	1:87:A:LEU:HD11	7	0.84
(1,4102)	1:36:B:LYS:HD2	1:65:B:LYS:H	18	0.84
(1,4101)	1:36:A:LYS:HD2	1:65:A:LYS:H	18	0.84
(1,4066)	1:44:B:ASN:HB3	1:60:B:LEU:HD11	12	0.84
(1,4066)	1:44:B:ASN:HB3	1:60:B:LEU:HD11	18	0.84
(1,4065)	1:44:A:ASN:HB3	1:60:A:LEU:HD11	12	0.84
(1,4048)	1:52:B:LYS:HB2	1:53:B:ASN:HB3	9	0.84
(1,4010)	1:59:B:VAL:HG21	1:87:B:LEU:HD21	15	0.84
(1,4009)	1:59:A:VAL:HG21	1:87:A:LEU:HD21	15	0.84
(1,3960)	1:99:B:VAL:HG11	1:101:B:SER:HB2	20	0.84
(1,3900)	1:75:B:LEU:HB2	1:74:B:GLN:HG2	3	0.84
(1,3899)	1:75:A:LEU:HB2	1:74:A:GLN:HG2	3	0.84
(1,3884)	1:89:B:MET:HG3	1:82:A:ASN:H	14	0.84
(1,3884)	1:89:B:MET:HG3	1:82:A:ASN:H	20	0.84
(1,3802)	1:21:B:PHE:HB2	1:22:B:GLN:HA	14	0.84
(1,3802)	1:21:B:PHE:HB2	1:22:B:GLN:HA	16	0.84
(1,3801)	1:21:A:PHE:HB2	1:22:A:GLN:HA	14	0.84
(1,3801)	1:21:A:PHE:HB2	1:22:A:GLN:HA	16	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3778)	1:57:B:PRO:HA	1:61:B:ASP:HB3	15	0.84
(1,3777)	1:57:A:PRO:HA	1:61:A:ASP:HB3	15	0.84
(1,3758)	1:40:B:LEU:HA	1:36:B:LYS:HE2	8	0.84
(1,3736)	1:37:B:THR:HB	1:35:B:SER:HA	20	0.84
(1,3735)	1:37:A:THR:HB	1:35:A:SER:HA	20	0.84
(1,3720)	1:47:B:LEU:HD12	1:10:A:THR:H	18	0.84
(1,3716)	1:14:B:ILE:HB	1:87:A:LEU:HD12	5	0.84
(1,3716)	1:14:B:ILE:HB	1:87:A:LEU:HD13	12	0.84
(1,3715)	1:14:A:ILE:HB	1:87:B:LEU:HD13	12	0.84
(1,3694)	1:12:B:ARG:HD2	1:10:B:THR:HG22	4	0.84
(1,3693)	1:12:A:ARG:HD2	1:10:A:THR:HG22	4	0.84
(1,3656)	1:48:B:ALA:HB2	1:11:A:GLU:HG3	16	0.84
(1,3558)	1:68:B:ASP:HA	1:33:B:THR:HG21	3	0.84
(1,3557)	1:68:A:ASP:HA	1:33:A:THR:HG21	3	0.84
(1,3552)	1:87:B:LEU:HB2	1:89:B:MET:HB2	2	0.84
(1,3551)	1:87:A:LEU:HB2	1:89:A:MET:HB2	2	0.84
(1,3534)	1:47:B:LEU:HB2	1:11:A:GLU:HG3	17	0.84
(1,3533)	1:47:A:LEU:HB2	1:11:B:GLU:HG3	14	0.84
(1,3500)	1:29:B:GLY:HA2	1:28:B:ASP:HB2	4	0.84
(1,3499)	1:29:A:GLY:HA2	1:28:A:ASP:HB2	4	0.84
(1,3482)	1:69:B:THR:HB	1:67:B:LEU:HD21	2	0.84
(1,3424)	1:60:B:LEU:HB2	1:37:B:THR:HA	6	0.84
(1,3423)	1:60:A:LEU:HB2	1:37:A:THR:HA	6	0.84
(1,3416)	1:83:B:LEU:HG	1:66:B:LYS:HE2	9	0.84
(1,3415)	1:83:A:LEU:HG	1:66:A:LYS:HE2	9	0.84
(1,3378)	1:8:B:THR:HG23	1:48:A:ALA:HA	16	0.84
(1,3363)	1:81:A:LEU:HD23	1:81:B:LEU:HA	17	0.84
(1,3363)	1:81:A:LEU:HD22	1:81:B:LEU:HA	19	0.84
(1,3358)	1:88:B:ALA:HB1	1:14:A:ILE:HB	15	0.84
(1,3357)	1:88:A:ALA:HB1	1:14:B:ILE:HB	15	0.84
(1,2673)	1:92:A:HIS:H	1:14:B:ILE:HG21	13	0.84
(1,2506)	1:37:B:THR:H	1:34:B:LEU:HD22	7	0.84
(1,2505)	1:37:A:THR:H	1:34:A:LEU:HD21	1	0.84
(1,1768)	1:20:B:VAL:HG11	1:24:B:TYR:H	3	0.84
(1,1768)	1:20:B:VAL:HG11	1:24:B:TYR:H	11	0.84
(1,1767)	1:20:A:VAL:HG11	1:24:A:TYR:H	3	0.84
(1,1767)	1:20:A:VAL:HG11	1:24:A:TYR:H	11	0.84
(1,1628)	1:24:B:TYR:HB3	1:42:B:PHE:HB3	2	0.84
(1,1627)	1:24:A:TYR:HB3	1:42:A:PHE:HB3	2	0.84
(1,1606)	1:74:B:GLN:HG3	1:33:B:THR:HG23	20	0.84
(1,1016)	1:9:B:GLU:HG3	1:13:B:CYS:HB3	19	0.84
(1,1015)	1:9:A:GLU:HG3	1:13:A:CYS:HB3	19	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1014)	1:62:B:ARG:HB3	1:63:B:MET:HG2	7	0.84
(1,1013)	1:62:A:ARG:HB3	1:63:A:MET:HG2	7	0.84
(1,464)	1:68:B:ASP:HB2	1:33:B:THR:HG22	1	0.84
(1,463)	1:68:A:ASP:HB2	1:33:A:THR:HG22	1	0.84
(1,418)	1:69:B:THR:HA	1:75:B:LEU:HD23	19	0.84
(1,417)	1:69:A:THR:HA	1:75:A:LEU:HD21	1	0.84
(1,417)	1:69:A:THR:HA	1:75:A:LEU:HD23	19	0.84
(1,412)	1:62:B:ARG:HD2	1:59:B:VAL:HG11	10	0.84
(1,411)	1:62:A:ARG:HD2	1:59:A:VAL:HG11	10	0.84
(1,358)	1:73:B:GLY:HA2	1:72:B:ASP:HB2	12	0.84
(1,357)	1:73:A:GLY:HA2	1:72:A:ASP:HB2	12	0.84
(1,342)	1:69:B:THR:HB	1:75:B:LEU:HD21	17	0.84
(1,341)	1:69:A:THR:HB	1:75:A:LEU:HD22	1	0.84
(1,341)	1:69:A:THR:HB	1:75:A:LEU:HD23	6	0.84
(1,89)	1:15:A:GLU:HB2	1:9:B:GLU:HG3	18	0.84
(1,87)	1:15:A:GLU:HB2	1:9:B:GLU:HG3	18	0.84
(1,80)	1:12:B:ARG:HG3	1:17:A:LEU:HD21	6	0.84
(1,80)	1:12:B:ARG:HG3	1:17:A:LEU:HD21	17	0.84
(1,78)	1:12:B:ARG:HG3	1:17:A:LEU:HD21	6	0.84
(1,78)	1:12:B:ARG:HG3	1:17:A:LEU:HD21	17	0.84
(2,86)	1:42:B:PHE:HB2	1:47:B:LEU:H	1	0.83
(2,86)	1:42:B:PHE:HB2	1:47:B:LEU:H	3	0.83
(2,85)	1:42:A:PHE:HB2	1:47:A:LEU:H	1	0.83
(2,85)	1:42:A:PHE:HB2	1:47:A:LEU:H	3	0.83
(2,15)	1:61:A:ASP:HB2	1:62:A:ARG:HD2	13	0.83
(1,5657)	1:47:A:LEU:H	1:47:A:LEU:HD21	18	0.83
(1,5590)	1:19:B:ALA:H	1:14:B:ILE:HG23	14	0.83
(1,5589)	1:19:A:ALA:H	1:14:A:ILE:HG23	14	0.83
(1,5535)	1:23:A:LYS:H	1:22:A:GLN:HG2	10	0.83
(1,5500)	1:51:B:THR:H	1:49:B:ALA:HB2	2	0.83
(1,5498)	1:76:B:ASP:H	1:72:B:ASP:HB3	5	0.83
(1,5495)	1:59:A:VAL:H	1:61:A:ASP:HB3	13	0.83
(1,5495)	1:59:A:VAL:H	1:61:A:ASP:HB3	17	0.83
(1,5486)	1:87:B:LEU:H	1:14:A:ILE:HD12	15	0.83
(1,5486)	1:87:B:LEU:H	1:14:A:ILE:HD12	20	0.83
(1,5485)	1:87:A:LEU:H	1:14:B:ILE:HD11	17	0.83
(1,5485)	1:87:A:LEU:H	1:14:B:ILE:HD13	19	0.83
(1,5485)	1:87:A:LEU:H	1:14:B:ILE:HD12	20	0.83
(1,5374)	1:10:B:THR:H	1:47:A:LEU:HD21	3	0.83
(1,5373)	1:10:A:THR:H	1:47:B:LEU:HD21	3	0.83
(1,5349)	1:26:A:GLY:H	1:22:A:GLN:HB3	10	0.83
(1,5328)	1:99:B:VAL:H	1:96:B:LEU:HD22	4	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5305)	1:81:A:LEU:H	1:82:A:ASN:HB3	7	0.83
(1,5215)	1:34:A:LEU:H	1:77:A:PHE:HB2	7	0.83
(1,4858)	1:23:B:LYS:HB2	1:23:B:LYS:HE3	6	0.83
(1,4857)	1:23:A:LYS:HB2	1:23:A:LYS:HE3	6	0.83
(1,4782)	1:8:B:THR:HB	1:7:B:PRO:HG2	5	0.83
(1,4781)	1:8:A:THR:HB	1:7:A:PRO:HG2	5	0.83
(1,4781)	1:8:A:THR:HB	1:7:A:PRO:HG2	7	0.83
(1,4756)	1:46:B:GLU:HB2	1:45:B:THR:HG21	20	0.83
(1,4686)	1:20:B:VAL:HG13	1:23:B:LYS:HB2	10	0.83
(1,4685)	1:20:A:VAL:HG13	1:23:A:LYS:HB2	10	0.83
(1,4685)	1:20:A:VAL:HG12	1:23:A:LYS:HB2	16	0.83
(1,4618)	1:68:B:ASP:HA	1:74:B:GLN:HB3	10	0.83
(1,4618)	1:68:B:ASP:HA	1:74:B:GLN:HB3	12	0.83
(1,4617)	1:68:A:ASP:HA	1:74:A:GLN:HB3	10	0.83
(1,4617)	1:68:A:ASP:HA	1:74:A:GLN:HB3	12	0.83
(1,4488)	1:84:B:ILE:HB	1:17:B:LEU:HD21	10	0.83
(1,4487)	1:84:A:ILE:HB	1:17:A:LEU:HD21	10	0.83
(1,4464)	1:83:B:LEU:HD13	1:86:B:GLY:H	2	0.83
(1,4464)	1:83:B:LEU:HD13	1:86:B:GLY:H	12	0.83
(1,4463)	1:83:A:LEU:HD13	1:86:A:GLY:H	2	0.83
(1,4463)	1:83:A:LEU:HD13	1:86:A:GLY:H	12	0.83
(1,4462)	1:100:B:PRO:HD3	1:99:B:VAL:HG22	1	0.83
(1,4462)	1:100:B:PRO:HD3	1:99:B:VAL:HG21	16	0.83
(1,4462)	1:100:B:PRO:HD3	1:99:B:VAL:HG21	18	0.83
(1,4461)	1:100:A:PRO:HD3	1:99:A:VAL:HG22	1	0.83
(1,4461)	1:100:A:PRO:HD3	1:99:A:VAL:HG21	16	0.83
(1,4461)	1:100:A:PRO:HD3	1:99:A:VAL:HG21	18	0.83
(1,4392)	1:17:B:LEU:HG	1:81:B:LEU:HD22	10	0.83
(1,4391)	1:17:A:LEU:HG	1:81:A:LEU:HD22	10	0.83
(1,4391)	1:17:A:LEU:HG	1:81:A:LEU:HD21	11	0.83
(1,4375)	1:74:A:GLN:H	1:33:A:THR:HG21	8	0.83
(1,4316)	1:37:B:THR:HA	1:40:B:LEU:HA	19	0.83
(1,4315)	1:37:A:THR:HA	1:40:A:LEU:HA	19	0.83
(1,4298)	1:44:B:ASN:HA	1:47:B:LEU:HD11	5	0.83
(1,4269)	1:25:A:ALA:HB1	1:24:A:TYR:HB2	16	0.83
(1,4245)	1:89:A:MET:HB2	1:85:A:GLY:H	6	0.83
(1,4201)	1:11:A:GLU:HG2	1:8:A:THR:HG22	2	0.83
(1,4071)	1:66:A:LYS:H	1:66:A:LYS:HD3	6	0.83
(1,4048)	1:74:B:GLN:HB2	1:76:B:ASP:HB3	13	0.83
(1,4047)	1:52:A:LYS:HB2	1:53:A:ASN:HB3	9	0.83
(1,4047)	1:74:A:GLN:HB2	1:76:A:ASP:HB3	13	0.83
(1,3984)	1:60:B:LEU:HD11	1:52:B:LYS:H	12	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3983)	1:60:A:LEU:HD11	1:52:A:LYS:H	12	0.83
(1,3956)	1:48:B:ALA:HA	1:50:B:PHE:HB3	10	0.83
(1,3955)	1:48:A:ALA:HA	1:50:A:PHE:HB3	10	0.83
(1,3898)	1:10:B:THR:HA	1:14:B:ILE:HB	3	0.83
(1,3897)	1:10:A:THR:HA	1:14:A:ILE:HB	3	0.83
(1,3892)	1:34:B:LEU:HD21	1:40:B:LEU:HA	15	0.83
(1,3891)	1:34:A:LEU:HD21	1:40:A:LEU:HA	15	0.83
(1,3883)	1:89:A:MET:HG3	1:82:B:ASN:H	5	0.83
(1,3883)	1:89:A:MET:HG3	1:82:B:ASN:H	20	0.83
(1,3870)	1:12:B:ARG:HD3	1:14:B:ILE:HA	9	0.83
(1,3802)	1:21:B:PHE:HB2	1:22:B:GLN:HA	3	0.83
(1,3801)	1:21:A:PHE:HB2	1:22:A:GLN:HA	3	0.83
(1,3789)	1:91:A:CYS:HA	1:18:B:ILE:HG22	15	0.83
(1,3772)	1:75:B:LEU:HD21	1:70:B:ASN:HB3	4	0.83
(1,3771)	1:75:A:LEU:HD21	1:70:A:ASN:HB3	4	0.83
(1,3757)	1:40:A:LEU:HA	1:36:A:LYS:HE2	8	0.83
(1,3726)	1:46:B:GLU:HB2	1:20:B:VAL:HG12	4	0.83
(1,3725)	1:46:A:GLU:HB2	1:20:A:VAL:HG12	4	0.83
(1,3720)	1:47:B:LEU:HD12	1:10:A:THR:H	6	0.83
(1,3719)	1:47:A:LEU:HD12	1:10:B:THR:H	6	0.83
(1,3719)	1:47:A:LEU:HD12	1:10:B:THR:H	18	0.83
(1,3715)	1:14:A:ILE:HB	1:87:B:LEU:HD12	5	0.83
(1,3715)	1:14:A:ILE:HB	1:87:B:LEU:HD13	8	0.83
(1,3680)	1:33:B:THR:HB	1:34:B:LEU:HG	13	0.83
(1,3667)	1:17:A:LEU:HD11	1:16:A:SER:H	1	0.83
(1,3648)	1:12:B:ARG:HD3	1:14:B:ILE:HA	9	0.83
(1,3646)	1:12:B:ARG:HD3	1:14:B:ILE:HA	9	0.83
(1,3585)	1:11:A:GLU:HA	1:84:B:ILE:HA	16	0.83
(1,3562)	1:76:B:ASP:HA	1:34:B:LEU:HD13	7	0.83
(1,3561)	1:76:A:ASP:HA	1:34:A:LEU:HD13	7	0.83
(1,3551)	1:47:A:LEU:HB2	1:11:B:GLU:HG3	17	0.83
(1,3534)	1:47:B:LEU:HB2	1:11:A:GLU:HG3	14	0.83
(1,3500)	1:29:B:GLY:HA2	1:28:B:ASP:HB2	8	0.83
(1,3499)	1:29:A:GLY:HA2	1:28:A:ASP:HB2	8	0.83
(1,3466)	1:100:B:PRO:HD2	1:98:B:ALA:HB3	14	0.83
(1,3465)	1:100:A:PRO:HD2	1:96:A:LEU:HB3	12	0.83
(1,3465)	1:100:A:PRO:HD2	1:98:A:ALA:HB3	14	0.83
(1,3458)	1:11:B:GLU:HA	1:12:B:ARG:HD2	10	0.83
(1,3458)	1:11:B:GLU:HA	1:12:B:ARG:HD2	11	0.83
(1,3457)	1:11:A:GLU:HA	1:12:A:ARG:HD2	10	0.83
(1,3457)	1:11:A:GLU:HA	1:12:A:ARG:HD2	11	0.83
(1,3454)	1:87:B:LEU:HB2	1:89:B:MET:HB2	10	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3453)	1:87:A:LEU:HB2	1:89:A:MET:HB2	10	0.83
(1,3364)	1:81:B:LEU:HD23	1:81:A:LEU:HA	17	0.83
(1,2674)	1:92:B:HIS:H	1:14:A:ILE:HG22	12	0.83
(1,2674)	1:92:B:HIS:H	1:14:A:ILE:HG21	13	0.83
(1,2636)	1:43:B:MET:H	1:34:B:LEU:HD22	1	0.83
(1,2635)	1:43:A:MET:H	1:34:A:LEU:HD22	1	0.83
(1,2506)	1:37:B:THR:H	1:34:B:LEU:HD21	1	0.83
(1,2482)	1:78:B:SER:H	1:33:B:THR:HG23	2	0.83
(1,2481)	1:78:A:SER:H	1:33:A:THR:HG23	2	0.83
(1,1768)	1:20:B:VAL:HG13	1:24:B:TYR:H	10	0.83
(1,1767)	1:20:A:VAL:HG13	1:24:A:TYR:H	10	0.83
(1,1606)	1:74:B:GLN:HG2	1:33:B:THR:HG23	13	0.83
(1,1605)	1:74:A:GLN:HG2	1:33:A:THR:HG23	13	0.83
(1,1075)	1:7:A:PRO:HG2	1:12:A:ARG:HD3	9	0.83
(1,1014)	1:62:B:ARG:HB3	1:63:B:MET:HG2	14	0.83
(1,1014)	1:62:B:ARG:HB3	1:63:B:MET:HG2	19	0.83
(1,1013)	1:62:A:ARG:HB3	1:63:A:MET:HG2	11	0.83
(1,1013)	1:62:A:ARG:HB3	1:63:A:MET:HG2	14	0.83
(1,1013)	1:62:A:ARG:HB3	1:63:A:MET:HG2	19	0.83
(1,636)	1:62:B:ARG:HG2	1:61:B:ASP:HB2	20	0.83
(1,635)	1:62:A:ARG:HG2	1:61:A:ASP:HB2	20	0.83
(1,464)	1:68:B:ASP:HB2	1:33:B:THR:HG22	11	0.83
(1,464)	1:68:B:ASP:HB2	1:33:B:THR:HG22	17	0.83
(1,464)	1:68:B:ASP:HB2	1:33:B:THR:HG21	19	0.83
(1,463)	1:68:A:ASP:HB2	1:33:A:THR:HG22	11	0.83
(1,463)	1:68:A:ASP:HB2	1:33:A:THR:HG22	17	0.83
(1,463)	1:68:A:ASP:HB2	1:33:A:THR:HG21	19	0.83
(1,418)	1:69:B:THR:HA	1:75:B:LEU:HD21	1	0.83
(1,348)	1:75:B:LEU:HD12	1:74:B:GLN:HA	3	0.83
(1,347)	1:75:A:LEU:HD12	1:74:A:GLN:HA	3	0.83
(1,342)	1:69:B:THR:HB	1:75:B:LEU:HD23	6	0.83
(1,210)	1:76:B:ASP:HA	1:34:B:LEU:HB3	1	0.83
(1,147)	1:18:A:ILE:HG22	1:92:B:HIS:H	6	0.83
(1,146)	1:78:B:SER:HB3	1:81:B:LEU:HB3	20	0.83
(1,145)	1:78:A:SER:HB3	1:81:A:LEU:HB3	20	0.83
(2,154)	1:71:B:SER:H	1:73:B:GLY:HA3	20	0.82
(2,153)	1:71:A:SER:H	1:73:A:GLY:HA3	20	0.82
(2,86)	1:42:B:PHE:HB2	1:47:B:LEU:H	20	0.82
(2,85)	1:42:A:PHE:HB2	1:47:A:LEU:H	20	0.82
(1,5658)	1:47:B:LEU:H	1:47:B:LEU:HD21	18	0.82
(1,5590)	1:19:B:ALA:H	1:14:B:ILE:HG22	11	0.82
(1,5589)	1:19:A:ALA:H	1:14:A:ILE:HG22	11	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5586)	1:46:B:GLU:H	1:45:B:THR:HG23	13	0.82
(1,5585)	1:46:A:GLU:H	1:45:A:THR:HG23	13	0.82
(1,5536)	1:23:B:LYS:H	1:22:B:GLN:HG2	10	0.82
(1,5497)	1:76:A:ASP:H	1:72:A:ASP:HB3	5	0.82
(1,5496)	1:59:B:VAL:H	1:61:B:ASP:HB3	13	0.82
(1,5496)	1:59:B:VAL:H	1:61:B:ASP:HB3	17	0.82
(1,5480)	1:86:B:GLY:H	1:67:B:LEU:HD23	9	0.82
(1,5479)	1:86:A:GLY:H	1:67:A:LEU:HD23	9	0.82
(1,5350)	1:26:B:GLY:H	1:22:B:GLN:HB3	10	0.82
(1,5350)	1:26:B:GLY:H	1:22:B:GLN:HB3	20	0.82
(1,5345)	1:51:A:THR:H	1:47:A:LEU:HD22	5	0.82
(1,5327)	1:99:A:VAL:H	1:96:A:LEU:HD21	12	0.82
(1,5306)	1:81:B:LEU:H	1:89:A:MET:HG2	5	0.82
(1,5306)	1:81:B:LEU:H	1:82:B:ASN:HB3	7	0.82
(1,5306)	1:81:B:LEU:H	1:89:A:MET:HG2	10	0.82
(1,5306)	1:81:B:LEU:H	1:82:B:ASN:HB3	18	0.82
(1,5305)	1:81:A:LEU:H	1:89:B:MET:HG2	10	0.82
(1,5305)	1:81:A:LEU:H	1:82:A:ASN:HB3	18	0.82
(1,5214)	1:77:B:PHE:H	1:81:B:LEU:HB2	12	0.82
(1,5213)	1:77:A:PHE:H	1:81:A:LEU:HB2	12	0.82
(1,4840)	1:80:B:PHE:HB3	1:39:B:PHE:HB3	12	0.82
(1,4839)	1:80:A:PHE:HB3	1:39:A:PHE:HB3	12	0.82
(1,4832)	1:12:B:ARG:HD2	1:9:B:GLU:HA	16	0.82
(1,4832)	1:12:B:ARG:HD2	1:9:B:GLU:HA	20	0.82
(1,4831)	1:12:A:ARG:HD2	1:9:A:GLU:HA	16	0.82
(1,4831)	1:12:A:ARG:HD2	1:9:A:GLU:HA	20	0.82
(1,4782)	1:8:B:THR:HB	1:7:B:PRO:HG2	17	0.82
(1,4781)	1:8:A:THR:HB	1:7:A:PRO:HG2	17	0.82
(1,4755)	1:46:A:GLU:HB2	1:45:A:THR:HG21	20	0.82
(1,4686)	1:20:B:VAL:HG12	1:23:B:LYS:HB2	16	0.82
(1,4628)	1:60:B:LEU:HD23	1:47:B:LEU:H	7	0.82
(1,4627)	1:60:A:LEU:HD23	1:47:A:LEU:H	7	0.82
(1,4618)	1:68:B:ASP:HA	1:74:B:GLN:HB3	14	0.82
(1,4617)	1:68:A:ASP:HA	1:74:A:GLN:HB3	6	0.82
(1,4617)	1:68:A:ASP:HA	1:74:A:GLN:HB3	14	0.82
(1,4600)	1:43:B:MET:H	1:60:B:LEU:HD11	7	0.82
(1,4599)	1:43:A:MET:H	1:60:A:LEU:HD11	7	0.82
(1,4570)	1:53:B:ASN:H	1:52:B:LYS:HG2	18	0.82
(1,4569)	1:53:A:ASN:H	1:52:A:LYS:HG2	18	0.82
(1,4564)	1:98:B:ALA:HB1	1:97:B:LYS:HB2	16	0.82
(1,4488)	1:84:B:ILE:HB	1:17:B:LEU:HD23	15	0.82
(1,4487)	1:84:A:ILE:HB	1:17:A:LEU:HD21	1	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4487)	1:84:A:ILE:HB	1:17:A:LEU:HD23	15	0.82
(1,4464)	1:83:B:LEU:HD12	1:86:B:GLY:H	19	0.82
(1,4463)	1:83:A:LEU:HD12	1:86:A:GLY:H	19	0.82
(1,4461)	1:100:A:PRO:HD3	1:99:A:VAL:HG23	14	0.82
(1,4438)	1:22:B:GLN:HG2	1:25:B:ALA:HB1	8	0.82
(1,4437)	1:22:A:GLN:HG2	1:25:A:ALA:HB1	8	0.82
(1,4392)	1:17:B:LEU:HG	1:81:B:LEU:HD21	3	0.82
(1,4392)	1:17:B:LEU:HG	1:81:B:LEU:HD21	11	0.82
(1,4391)	1:17:A:LEU:HG	1:81:A:LEU:HD21	3	0.82
(1,4376)	1:74:B:GLN:H	1:33:B:THR:HG23	16	0.82
(1,4375)	1:74:A:GLN:H	1:33:A:THR:HG23	16	0.82
(1,4342)	1:83:B:LEU:HD12	1:86:B:GLY:H	6	0.82
(1,4341)	1:83:A:LEU:HD12	1:86:A:GLY:H	6	0.82
(1,4318)	1:67:B:LEU:HD23	1:63:B:MET:HG3	9	0.82
(1,4316)	1:22:B:GLN:HA	1:26:B:GLY:HA2	18	0.82
(1,4315)	1:22:A:GLN:HA	1:26:A:GLY:HA2	18	0.82
(1,4297)	1:44:A:ASN:HA	1:47:A:LEU:HD11	5	0.82
(1,4274)	1:89:B:MET:HB2	1:81:A:LEU:HD12	20	0.82
(1,4273)	1:89:A:MET:HB2	1:81:B:LEU:HD12	20	0.82
(1,4254)	1:15:B:GLU:HG2	1:19:B:ALA:HB2	13	0.82
(1,4254)	1:15:B:GLU:HG2	1:88:A:ALA:HB1	17	0.82
(1,4253)	1:15:A:GLU:HG2	1:19:A:ALA:HB2	13	0.82
(1,4246)	1:89:B:MET:HB2	1:85:B:GLY:H	6	0.82
(1,4214)	1:98:B:ALA:H	1:97:B:LYS:HD2	1	0.82
(1,4213)	1:98:A:ALA:H	1:97:A:LYS:HD2	1	0.82
(1,4202)	1:11:B:GLU:HG2	1:8:B:THR:HG22	2	0.82
(1,4172)	1:24:B:TYR:HB2	1:27:B:LYS:HD2	7	0.82
(1,4171)	1:24:A:TYR:HB2	1:27:A:LYS:HD2	7	0.82
(1,4123)	1:67:A:LEU:HA	1:82:A:ASN:HB2	20	0.82
(1,4094)	1:38:B:GLU:HB3	1:27:B:LYS:HE3	3	0.82
(1,4093)	1:38:A:GLU:HB3	1:27:A:LYS:HE3	3	0.82
(1,4072)	1:66:B:LYS:H	1:66:B:LYS:HD3	6	0.82
(1,4071)	1:66:A:LYS:H	1:66:A:LYS:HD3	2	0.82
(1,4066)	1:44:B:ASN:HB3	1:60:B:LEU:HD13	1	0.82
(1,4065)	1:44:A:ASN:HB3	1:60:A:LEU:HD13	1	0.82
(1,4030)	1:73:B:GLY:HA3	1:36:B:LYS:HD2	13	0.82
(1,3960)	1:99:B:VAL:HG11	1:101:B:SER:HB3	15	0.82
(1,3930)	1:74:B:GLN:HA	1:34:B:LEU:HB3	15	0.82
(1,3929)	1:74:A:GLN:HA	1:34:A:LEU:HB3	15	0.82
(1,3900)	1:34:B:LEU:HB2	1:74:B:GLN:HG2	4	0.82
(1,3899)	1:34:A:LEU:HB2	1:74:A:GLN:HG2	4	0.82
(1,3884)	1:89:B:MET:HG3	1:82:A:ASN:H	4	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3884)	1:89:B:MET:HG3	1:82:A:ASN:H	5	0.82
(1,3884)	1:63:B:MET:HG3	1:65:B:LYS:H	7	0.82
(1,3883)	1:63:A:MET:HG3	1:65:A:LYS:H	7	0.82
(1,3869)	1:12:A:ARG:HD3	1:14:A:ILE:HA	9	0.82
(1,3864)	1:74:B:GLN:HG3	1:75:B:LEU:HD23	2	0.82
(1,3863)	1:74:A:GLN:HG3	1:75:A:LEU:HD23	2	0.82
(1,3862)	1:98:B:ALA:HB3	1:96:B:LEU:HD22	11	0.82
(1,3861)	1:98:A:ALA:HB3	1:96:A:LEU:HD22	11	0.82
(1,3838)	1:33:B:THR:HA	1:34:B:LEU:HG	10	0.82
(1,3837)	1:33:A:THR:HA	1:34:A:LEU:HG	10	0.82
(1,3802)	1:21:B:PHE:HB2	1:22:B:GLN:HA	4	0.82
(1,3802)	1:21:B:PHE:HB2	1:22:B:GLN:HA	8	0.82
(1,3802)	1:40:B:LEU:HA	1:36:B:LYS:HE2	19	0.82
(1,3801)	1:21:A:PHE:HB2	1:22:A:GLN:HA	4	0.82
(1,3801)	1:21:A:PHE:HB2	1:22:A:GLN:HA	8	0.82
(1,3801)	1:40:A:LEU:HA	1:36:A:LYS:HE2	19	0.82
(1,3771)	1:75:A:LEU:HD23	1:70:A:ASN:HB3	2	0.82
(1,3762)	1:58:B:GLY:HA3	1:62:B:ARG:HG2	17	0.82
(1,3736)	1:37:B:THR:HB	1:35:B:SER:HA	16	0.82
(1,3735)	1:37:A:THR:HB	1:35:A:SER:HA	16	0.82
(1,3716)	1:14:B:ILE:HB	1:87:A:LEU:HD13	8	0.82
(1,3716)	1:14:B:ILE:HB	1:87:A:LEU:HD12	10	0.82
(1,3716)	1:14:B:ILE:HB	1:87:A:LEU:HD12	20	0.82
(1,3715)	1:14:A:ILE:HB	1:87:B:LEU:HD13	3	0.82
(1,3715)	1:14:A:ILE:HB	1:87:B:LEU:HD12	10	0.82
(1,3715)	1:14:A:ILE:HB	1:87:B:LEU:HD11	18	0.82
(1,3679)	1:33:A:THR:HB	1:34:A:LEU:HG	13	0.82
(1,3678)	1:74:B:GLN:HG2	1:34:B:LEU:HA	11	0.82
(1,3678)	1:74:B:GLN:HG2	1:34:B:LEU:HA	20	0.82
(1,3677)	1:74:A:GLN:HG2	1:34:A:LEU:HA	11	0.82
(1,3677)	1:74:A:GLN:HG2	1:34:A:LEU:HA	20	0.82
(1,3668)	1:17:B:LEU:HD11	1:16:B:SER:H	1	0.82
(1,3647)	1:12:A:ARG:HD3	1:14:A:ILE:HA	9	0.82
(1,3645)	1:12:A:ARG:HD3	1:14:A:ILE:HA	9	0.82
(1,3596)	1:13:B:CYS:HB2	1:20:A:VAL:HG11	15	0.82
(1,3595)	1:13:A:CYS:HB2	1:20:B:VAL:HG11	15	0.82
(1,3586)	1:11:B:GLU:HA	1:84:A:ILE:HA	16	0.82
(1,3558)	1:68:B:ASP:HA	1:33:B:THR:HG22	17	0.82
(1,3533)	1:47:A:LEU:HB2	1:11:B:GLU:HG3	5	0.82
(1,3510)	1:7:B:PRO:HB2	1:12:B:ARG:HD2	15	0.82
(1,3509)	1:7:A:PRO:HB2	1:12:A:ARG:HD2	15	0.82
(1,3500)	1:29:B:GLY:HA2	1:28:B:ASP:HB2	19	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3499)	1:29:A:GLY:HA2	1:28:A:ASP:HB2	19	0.82
(1,3466)	1:100:B:PRO:HD2	1:96:B:LEU:HB3	12	0.82
(1,3458)	1:11:B:GLU:HA	1:12:B:ARG:HD2	7	0.82
(1,3457)	1:11:A:GLU:HA	1:12:A:ARG:HD2	7	0.82
(1,3454)	1:81:B:LEU:HB2	1:77:B:PHE:HB2	1	0.82
(1,3428)	1:62:B:ARG:HD2	1:59:B:VAL:HG12	8	0.82
(1,3427)	1:62:A:ARG:HD2	1:59:A:VAL:HG12	8	0.82
(1,3394)	1:81:B:LEU:HD13	1:81:A:LEU:HD21	10	0.82
(1,3393)	1:81:A:LEU:HD13	1:81:B:LEU:HD21	10	0.82
(1,2673)	1:92:A:HIS:H	1:14:B:ILE:HG22	12	0.82
(1,1076)	1:7:B:PRO:HG2	1:12:B:ARG:HD3	9	0.82
(1,1016)	1:9:B:GLU:HG3	1:13:B:CYS:HB3	2	0.82
(1,1015)	1:9:A:GLU:HG3	1:13:A:CYS:HB3	2	0.82
(1,1014)	1:62:B:ARG:HB3	1:63:B:MET:HG2	11	0.82
(1,816)	1:9:B:GLU:HG3	1:10:B:THR:HG21	10	0.82
(1,815)	1:9:A:GLU:HG3	1:10:A:THR:HG22	2	0.82
(1,815)	1:9:A:GLU:HG3	1:10:A:THR:HG21	10	0.82
(1,566)	1:25:B:ALA:HB3	1:33:B:THR:HG23	8	0.82
(1,565)	1:25:A:ALA:HB3	1:33:A:THR:HG23	8	0.82
(1,418)	1:69:B:THR:HA	1:75:B:LEU:HD22	5	0.82
(1,418)	1:69:B:THR:HA	1:75:B:LEU:HD21	8	0.82
(1,417)	1:69:A:THR:HA	1:75:A:LEU:HD22	5	0.82
(1,342)	1:69:B:THR:HB	1:75:B:LEU:HD22	8	0.82
(1,341)	1:69:A:THR:HB	1:75:A:LEU:HD22	8	0.82
(1,209)	1:76:A:ASP:HA	1:34:A:LEU:HB3	1	0.82
(1,148)	1:18:B:ILE:HG22	1:92:A:HIS:H	6	0.82
(1,80)	1:12:B:ARG:HG3	1:17:A:LEU:HD22	3	0.82
(1,80)	1:12:B:ARG:HG3	1:17:A:LEU:HD23	14	0.82
(1,78)	1:12:B:ARG:HG3	1:17:A:LEU:HD22	3	0.82
(1,78)	1:12:B:ARG:HG3	1:17:A:LEU:HD23	14	0.82
(1,74)	1:91:B:CYS:HB3	1:14:A:ILE:HG22	9	0.82
(1,73)	1:91:A:CYS:HB3	1:14:B:ILE:HG22	9	0.82
(1,11)	1:18:A:ILE:HG23	1:94:B:SER:HB2	4	0.82
(2,86)	1:42:B:PHE:HB2	1:47:B:LEU:H	5	0.81
(2,86)	1:42:B:PHE:HB2	1:47:B:LEU:H	6	0.81
(2,86)	1:42:B:PHE:HB2	1:47:B:LEU:H	10	0.81
(2,85)	1:42:A:PHE:HB2	1:47:A:LEU:H	5	0.81
(2,85)	1:42:A:PHE:HB2	1:47:A:LEU:H	6	0.81
(2,85)	1:42:A:PHE:HB2	1:47:A:LEU:H	10	0.81
(1,5658)	1:47:B:LEU:H	1:47:B:LEU:HD23	6	0.81
(1,5658)	1:47:B:LEU:H	1:47:B:LEU:HD22	8	0.81
(1,5657)	1:47:A:LEU:H	1:47:A:LEU:HD23	6	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5657)	1:47:A:LEU:H	1:47:A:LEU:HD22	8	0.81
(1,5586)	1:46:B:GLU:H	1:45:B:THR:HG22	20	0.81
(1,5585)	1:46:A:GLU:H	1:45:A:THR:HG22	20	0.81
(1,5480)	1:86:B:GLY:H	1:67:B:LEU:HD22	13	0.81
(1,5479)	1:86:A:GLY:H	1:67:A:LEU:HD22	10	0.81
(1,5479)	1:86:A:GLY:H	1:67:A:LEU:HD22	13	0.81
(1,5464)	1:45:B:THR:H	1:43:B:MET:HB3	13	0.81
(1,5463)	1:45:A:THR:H	1:43:A:MET:HB3	13	0.81
(1,5374)	1:10:B:THR:H	1:47:A:LEU:HD21	19	0.81
(1,5349)	1:26:A:GLY:H	1:22:A:GLN:HB3	20	0.81
(1,5346)	1:51:B:THR:H	1:47:B:LEU:HD22	5	0.81
(1,5328)	1:99:B:VAL:H	1:96:B:LEU:HD21	12	0.81
(1,5327)	1:99:A:VAL:H	1:96:A:LEU:HD23	20	0.81
(1,5322)	1:47:B:LEU:H	1:87:B:LEU:HD21	14	0.81
(1,5321)	1:47:A:LEU:H	1:87:A:LEU:HD21	14	0.81
(1,5305)	1:81:A:LEU:H	1:89:B:MET:HG2	5	0.81
(1,4831)	1:12:A:ARG:HD2	1:9:A:GLU:HA	17	0.81
(1,4782)	1:8:B:THR:HB	1:7:B:PRO:HG2	3	0.81
(1,4781)	1:8:A:THR:HB	1:7:A:PRO:HG2	3	0.81
(1,4705)	1:64:A:MET:HG3	1:36:A:LYS:HE3	20	0.81
(1,4678)	1:36:B:LYS:HA	1:74:B:GLN:HB2	15	0.81
(1,4677)	1:36:A:LYS:HA	1:74:A:GLN:HB2	15	0.81
(1,4652)	1:37:B:THR:HG21	1:41:B:SER:H	13	0.81
(1,4652)	1:37:B:THR:HG22	1:41:B:SER:H	17	0.81
(1,4651)	1:37:A:THR:HG22	1:41:A:SER:H	17	0.81
(1,4618)	1:68:B:ASP:HA	1:74:B:GLN:HB3	6	0.81
(1,4570)	1:66:B:LYS:H	1:66:B:LYS:HG2	19	0.81
(1,4569)	1:66:A:LYS:H	1:66:A:LYS:HG2	19	0.81
(1,4563)	1:98:A:ALA:HB1	1:97:A:LYS:HB2	16	0.81
(1,4516)	1:94:B:SER:HB3	1:95:B:PHE:HB2	18	0.81
(1,4515)	1:94:A:SER:HB3	1:95:A:PHE:HB2	18	0.81
(1,4488)	1:84:B:ILE:HB	1:17:B:LEU:HD21	1	0.81
(1,4462)	1:100:B:PRO:HD3	1:99:B:VAL:HG23	14	0.81
(1,4460)	1:20:B:VAL:HG21	1:81:B:LEU:HD21	6	0.81
(1,4459)	1:20:A:VAL:HG21	1:81:A:LEU:HD21	6	0.81
(1,4384)	1:11:B:GLU:HB3	1:14:B:ILE:HD11	15	0.81
(1,4383)	1:11:A:GLU:HB3	1:14:A:ILE:HD11	15	0.81
(1,4317)	1:67:A:LEU:HD23	1:63:A:MET:HG3	9	0.81
(1,4302)	1:34:B:LEU:HD13	1:80:B:PHE:HB3	5	0.81
(1,4301)	1:34:A:LEU:HD13	1:80:A:PHE:HB3	5	0.81
(1,4254)	1:15:B:GLU:HG2	1:88:A:ALA:HB1	3	0.81
(1,4253)	1:15:A:GLU:HG2	1:88:B:ALA:HB1	19	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4246)	1:89:B:MET:HB2	1:85:B:GLY:H	1	0.81
(1,4245)	1:89:A:MET:HB2	1:85:A:GLY:H	1	0.81
(1,4202)	1:11:B:GLU:HG2	1:8:B:THR:HG22	8	0.81
(1,4186)	1:40:B:LEU:HG	1:42:B:PHE:HB3	7	0.81
(1,4185)	1:40:A:LEU:HG	1:42:A:PHE:HB3	7	0.81
(1,4124)	1:67:B:LEU:HA	1:82:B:ASN:HB2	20	0.81
(1,4104)	1:42:B:PHE:HA	1:20:B:VAL:HB	15	0.81
(1,4103)	1:42:A:PHE:HA	1:20:A:VAL:HB	15	0.81
(1,4102)	1:36:B:LYS:HD3	1:65:B:LYS:H	12	0.81
(1,4094)	1:38:B:GLU:HB3	1:27:B:LYS:HE3	5	0.81
(1,4093)	1:38:A:GLU:HB3	1:27:A:LYS:HE3	5	0.81
(1,4072)	1:66:B:LYS:H	1:66:B:LYS:HD3	2	0.81
(1,4066)	1:44:B:ASN:HB3	1:60:B:LEU:HD11	4	0.81
(1,4066)	1:44:B:ASN:HB3	1:60:B:LEU:HD12	9	0.81
(1,4066)	1:44:B:ASN:HB3	1:60:B:LEU:HD11	16	0.81
(1,4065)	1:44:A:ASN:HB3	1:60:A:LEU:HD11	4	0.81
(1,4065)	1:44:A:ASN:HB3	1:60:A:LEU:HD12	9	0.81
(1,4065)	1:44:A:ASN:HB3	1:60:A:LEU:HD11	16	0.81
(1,4057)	1:18:A:ILE:HG23	1:91:B:CYS:HB3	2	0.81
(1,4029)	1:73:A:GLY:HA3	1:36:A:LYS:HD2	13	0.81
(1,3965)	1:9:A:GLU:HB2	1:12:A:ARG:HD2	14	0.81
(1,3959)	1:99:A:VAL:HG11	1:101:A:SER:HB3	15	0.81
(1,3898)	1:10:B:THR:HA	1:14:B:ILE:HB	16	0.81
(1,3897)	1:10:A:THR:HA	1:14:A:ILE:HB	16	0.81
(1,3883)	1:89:A:MET:HG3	1:82:B:ASN:H	4	0.81
(1,3802)	1:21:B:PHE:HB2	1:22:B:GLN:HA	5	0.81
(1,3802)	1:21:B:PHE:HB2	1:22:B:GLN:HA	17	0.81
(1,3801)	1:21:A:PHE:HB2	1:22:A:GLN:HA	5	0.81
(1,3801)	1:21:A:PHE:HB2	1:22:A:GLN:HA	17	0.81
(1,3772)	1:75:B:LEU:HD23	1:70:B:ASN:HB3	2	0.81
(1,3761)	1:58:A:GLY:HA3	1:62:A:ARG:HG2	17	0.81
(1,3729)	1:18:A:ILE:HG22	1:95:B:PHE:HA	15	0.81
(1,3716)	1:14:B:ILE:HB	1:87:A:LEU:HD11	18	0.81
(1,3715)	1:14:A:ILE:HB	1:87:B:LEU:HD12	20	0.81
(1,3702)	1:52:B:LYS:HD2	1:44:B:ASN:HB3	2	0.81
(1,3678)	1:74:B:GLN:HG2	1:34:B:LEU:HA	9	0.81
(1,3557)	1:68:A:ASP:HA	1:33:A:THR:HG22	17	0.81
(1,3552)	1:47:B:LEU:HB2	1:46:B:GLU:HG2	15	0.81
(1,3551)	1:47:A:LEU:HB2	1:46:A:GLU:HG2	15	0.81
(1,3540)	1:73:B:GLY:HA3	1:68:B:ASP:HB2	15	0.81
(1,3539)	1:73:A:GLY:HA3	1:68:A:ASP:HB2	15	0.81
(1,3534)	1:47:B:LEU:HB2	1:11:A:GLU:HG3	5	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3453)	1:81:A:LEU:HB2	1:77:A:PHE:HB2	1	0.81
(1,3406)	1:9:B:GLU:HB3	1:17:A:LEU:HG	16	0.81
(1,3405)	1:9:A:GLU:HB3	1:17:B:LEU:HG	16	0.81
(1,3405)	1:15:A:GLU:HB3	1:102:B:GLN:HG2	19	0.81
(1,3363)	1:81:A:LEU:HD23	1:81:B:LEU:HA	8	0.81
(1,2674)	1:92:B:HIS:H	1:14:A:ILE:HG22	14	0.81
(1,2673)	1:92:A:HIS:H	1:14:B:ILE:HG22	14	0.81
(1,2636)	1:43:B:MET:H	1:34:B:LEU:HD22	16	0.81
(1,1606)	1:74:B:GLN:HG3	1:33:B:THR:HG23	17	0.81
(1,1605)	1:74:A:GLN:HG3	1:33:A:THR:HG23	17	0.81
(1,1016)	1:9:B:GLU:HG2	1:13:B:CYS:HB3	6	0.81
(1,1016)	1:9:B:GLU:HG3	1:13:B:CYS:HB3	14	0.81
(1,1015)	1:9:A:GLU:HG3	1:13:A:CYS:HB3	14	0.81
(1,816)	1:9:B:GLU:HG3	1:10:B:THR:HG22	2	0.81
(1,816)	1:9:B:GLU:HG3	1:10:B:THR:HG22	11	0.81
(1,815)	1:9:A:GLU:HG3	1:10:A:THR:HG22	11	0.81
(1,417)	1:69:A:THR:HA	1:75:A:LEU:HD21	8	0.81
(1,417)	1:69:A:THR:HA	1:75:A:LEU:HD23	17	0.81
(1,348)	1:75:B:LEU:HD11	1:74:B:GLN:HA	18	0.81
(1,348)	1:75:B:LEU:HD12	1:74:B:GLN:HA	20	0.81
(1,347)	1:75:A:LEU:HD11	1:74:A:GLN:HA	18	0.81
(1,347)	1:75:A:LEU:HD12	1:74:A:GLN:HA	20	0.81
(1,79)	1:12:A:ARG:HG3	1:17:B:LEU:HD21	8	0.81
(1,79)	1:12:A:ARG:HG3	1:17:B:LEU:HD23	14	0.81
(1,77)	1:12:A:ARG:HG3	1:17:B:LEU:HD21	8	0.81
(1,77)	1:12:A:ARG:HG3	1:17:B:LEU:HD23	14	0.81
(1,11)	1:18:A:ILE:HG22	1:94:B:SER:HB3	6	0.81
(1,5676)	1:61:B:ASP:H	1:60:B:LEU:HG	7	0.8
(1,5675)	1:61:A:ASP:H	1:60:A:LEU:HG	7	0.8
(1,5658)	1:47:B:LEU:H	1:47:B:LEU:HD22	19	0.8
(1,5657)	1:47:A:LEU:H	1:47:A:LEU:HD22	19	0.8
(1,5586)	1:46:B:GLU:H	1:45:B:THR:HG21	19	0.8
(1,5585)	1:46:A:GLU:H	1:45:A:THR:HG21	19	0.8
(1,5536)	1:23:B:LYS:H	1:22:B:GLN:HG2	7	0.8
(1,5535)	1:23:A:LYS:H	1:22:A:GLN:HG2	7	0.8
(1,5486)	1:87:B:LEU:H	1:14:A:ILE:HD12	11	0.8
(1,5485)	1:87:A:LEU:H	1:14:B:ILE:HD12	7	0.8
(1,5480)	1:86:B:GLY:H	1:67:B:LEU:HD22	10	0.8
(1,5478)	1:37:B:THR:H	1:40:B:LEU:HD11	8	0.8
(1,5477)	1:37:A:THR:H	1:40:A:LEU:HD11	8	0.8
(1,5440)	1:93:B:ASP:H	1:96:B:LEU:HB2	20	0.8
(1,5439)	1:93:A:ASP:H	1:96:A:LEU:HB2	20	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5386)	1:40:B:LEU:H	1:34:B:LEU:HD12	17	0.8
(1,5385)	1:40:A:LEU:H	1:34:A:LEU:HD12	17	0.8
(1,5346)	1:51:B:THR:H	1:47:B:LEU:HD13	10	0.8
(1,5345)	1:51:A:THR:H	1:47:A:LEU:HD13	10	0.8
(1,5328)	1:99:B:VAL:H	1:96:B:LEU:HD22	9	0.8
(1,5328)	1:99:B:VAL:H	1:96:B:LEU:HD23	20	0.8
(1,5327)	1:99:A:VAL:H	1:96:A:LEU:HD22	9	0.8
(1,5296)	1:76:B:ASP:H	1:33:B:THR:HB	13	0.8
(1,4974)	1:83:B:LEU:HD22	1:80:B:PHE:HA	3	0.8
(1,4973)	1:83:A:LEU:HD22	1:80:A:PHE:HA	3	0.8
(1,4832)	1:12:B:ARG:HD2	1:9:B:GLU:HA	17	0.8
(1,4832)	1:12:B:ARG:HD2	1:9:B:GLU:HA	18	0.8
(1,4831)	1:12:A:ARG:HD2	1:9:A:GLU:HA	18	0.8
(1,4706)	1:64:B:MET:HG3	1:36:B:LYS:HE3	20	0.8
(1,4678)	1:39:B:PHE:HA	1:46:B:GLU:HB2	16	0.8
(1,4677)	1:39:A:PHE:HA	1:46:A:GLU:HB2	9	0.8
(1,4677)	1:39:A:PHE:HA	1:46:A:GLU:HB2	16	0.8
(1,4651)	1:37:A:THR:HG21	1:41:A:SER:H	13	0.8
(1,4628)	1:60:B:LEU:HD23	1:47:B:LEU:H	1	0.8
(1,4627)	1:60:A:LEU:HD23	1:47:A:LEU:H	1	0.8
(1,4570)	1:97:B:LYS:HG2	1:98:B:ALA:H	2	0.8
(1,4570)	1:53:B:ASN:H	1:52:B:LYS:HG2	6	0.8
(1,4569)	1:97:A:LYS:HG2	1:98:A:ALA:H	2	0.8
(1,4550)	1:88:B:ALA:HB1	1:91:B:CYS:HB2	4	0.8
(1,4549)	1:88:A:ALA:HB1	1:91:A:CYS:HB2	4	0.8
(1,4504)	1:24:B:TYR:H	1:34:B:LEU:HD11	8	0.8
(1,4503)	1:24:A:TYR:H	1:34:A:LEU:HD11	8	0.8
(1,4464)	1:83:B:LEU:HD12	1:86:B:GLY:H	14	0.8
(1,4463)	1:83:A:LEU:HD12	1:86:A:GLY:H	14	0.8
(1,4463)	1:83:A:LEU:HD12	1:86:A:GLY:H	15	0.8
(1,4394)	1:17:B:LEU:HB2	1:15:B:GLU:HG3	10	0.8
(1,4393)	1:17:A:LEU:HB2	1:15:A:GLU:HG3	10	0.8
(1,4316)	1:22:B:GLN:HA	1:26:B:GLY:HA2	17	0.8
(1,4315)	1:22:A:GLN:HA	1:26:A:GLY:HA2	17	0.8
(1,4270)	1:25:B:ALA:HB2	1:24:B:TYR:HB2	5	0.8
(1,4269)	1:25:A:ALA:HB2	1:24:A:TYR:HB2	5	0.8
(1,4246)	1:89:B:MET:HB2	1:85:B:GLY:H	12	0.8
(1,4246)	1:100:B:PRO:HB2	1:22:A:GLN:H	18	0.8
(1,4245)	1:89:A:MET:HB2	1:85:A:GLY:H	12	0.8
(1,4201)	1:11:A:GLU:HG2	1:8:A:THR:HG22	8	0.8
(1,4101)	1:36:A:LYS:HD3	1:65:A:LYS:H	12	0.8
(1,4066)	1:44:B:ASN:HB3	1:60:B:LEU:HD13	3	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4065)	1:44:A:ASN:HB3	1:60:A:LEU:HD13	3	0.8
(1,4064)	1:23:B:LYS:HD3	1:24:B:TYR:H	20	0.8
(1,4063)	1:23:A:LYS:HD3	1:24:A:TYR:H	20	0.8
(1,4058)	1:18:B:ILE:HG23	1:91:A:CYS:HB3	2	0.8
(1,4050)	1:89:B:MET:HB2	1:91:B:CYS:HB2	4	0.8
(1,4050)	1:74:B:GLN:HG3	1:68:B:ASP:HB2	7	0.8
(1,4050)	1:74:B:GLN:HG3	1:68:B:ASP:HB2	11	0.8
(1,4049)	1:89:A:MET:HB2	1:91:A:CYS:HB2	4	0.8
(1,4049)	1:74:A:GLN:HG3	1:68:A:ASP:HB2	7	0.8
(1,4049)	1:74:A:GLN:HG3	1:68:A:ASP:HB2	11	0.8
(1,3966)	1:9:B:GLU:HB2	1:12:B:ARG:HD2	9	0.8
(1,3966)	1:9:B:GLU:HB2	1:12:B:ARG:HD2	14	0.8
(1,3965)	1:9:A:GLU:HB2	1:12:A:ARG:HD2	9	0.8
(1,3958)	1:17:B:LEU:HG	1:15:B:GLU:HA	6	0.8
(1,3957)	1:17:A:LEU:HG	1:15:A:GLU:HA	6	0.8
(1,3936)	1:82:B:ASN:HB3	1:66:B:LYS:HD2	19	0.8
(1,3935)	1:82:A:ASN:HB3	1:66:A:LYS:HD2	19	0.8
(1,3900)	1:34:B:LEU:HB2	1:74:B:GLN:HG2	11	0.8
(1,3900)	1:75:B:LEU:HB2	1:74:B:GLN:HG2	16	0.8
(1,3900)	1:75:B:LEU:HB2	1:64:B:MET:HB2	18	0.8
(1,3899)	1:75:A:LEU:HB2	1:74:A:GLN:HG2	16	0.8
(1,3899)	1:75:A:LEU:HB2	1:64:A:MET:HB2	18	0.8
(1,3898)	1:10:B:THR:HA	1:14:B:ILE:HB	2	0.8
(1,3897)	1:10:A:THR:HA	1:14:A:ILE:HB	2	0.8
(1,3892)	1:34:B:LEU:HD23	1:40:B:LEU:HA	3	0.8
(1,3891)	1:34:A:LEU:HD23	1:40:A:LEU:HA	3	0.8
(1,3891)	1:34:A:LEU:HD22	1:40:A:LEU:HA	7	0.8
(1,3863)	1:74:A:GLN:HG3	1:75:A:LEU:HD23	14	0.8
(1,3838)	1:33:B:THR:HA	1:34:B:LEU:HG	11	0.8
(1,3837)	1:33:A:THR:HA	1:34:A:LEU:HG	11	0.8
(1,3735)	1:37:A:THR:HB	1:35:A:SER:HA	10	0.8
(1,3701)	1:52:A:LYS:HD2	1:44:A:ASN:HB3	2	0.8
(1,3677)	1:74:A:GLN:HG2	1:34:A:LEU:HA	9	0.8
(1,3668)	1:17:B:LEU:HD12	1:16:B:SER:H	12	0.8
(1,3668)	1:17:B:LEU:HD11	1:16:B:SER:H	15	0.8
(1,3667)	1:17:A:LEU:HD12	1:16:A:SER:H	12	0.8
(1,3656)	1:48:B:ALA:HB2	1:11:A:GLU:HG3	15	0.8
(1,3618)	1:51:B:THR:HB	1:87:B:LEU:HD23	20	0.8
(1,3617)	1:51:A:THR:HB	1:87:A:LEU:HD23	20	0.8
(1,3534)	1:87:B:LEU:HB2	1:89:B:MET:HB2	2	0.8
(1,3533)	1:87:A:LEU:HB2	1:89:A:MET:HB2	2	0.8
(1,3514)	1:40:B:LEU:HB2	1:39:B:PHE:HB3	20	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3482)	1:69:B:THR:HB	1:67:B:LEU:HD22	18	0.8
(1,3481)	1:69:A:THR:HB	1:67:A:LEU:HD22	18	0.8
(1,3364)	1:81:B:LEU:HD23	1:81:A:LEU:HA	8	0.8
(1,2760)	1:34:B:LEU:H	1:34:B:LEU:HD21	6	0.8
(1,2760)	1:34:B:LEU:H	1:34:B:LEU:HD23	15	0.8
(1,2759)	1:34:A:LEU:H	1:34:A:LEU:HD21	6	0.8
(1,2759)	1:34:A:LEU:H	1:34:A:LEU:HD23	15	0.8
(1,2635)	1:43:A:MET:H	1:34:A:LEU:HD22	16	0.8
(1,2517)	1:41:A:SER:H	1:34:A:LEU:HD21	13	0.8
(1,2506)	1:37:B:THR:H	1:34:B:LEU:HD22	8	0.8
(1,2505)	1:37:A:THR:H	1:34:A:LEU:HD22	8	0.8
(1,1606)	1:74:B:GLN:HG3	1:33:B:THR:HG22	19	0.8
(1,1605)	1:74:A:GLN:HG3	1:33:A:THR:HG22	19	0.8
(1,1015)	1:9:A:GLU:HG2	1:13:A:CYS:HB3	6	0.8
(1,1014)	1:62:B:ARG:HB3	1:63:B:MET:HG2	12	0.8
(1,1013)	1:62:A:ARG:HB3	1:63:A:MET:HG2	12	0.8
(1,816)	1:9:B:GLU:HG3	1:10:B:THR:HG23	4	0.8
(1,816)	1:9:B:GLU:HG3	1:10:B:THR:HG22	19	0.8
(1,816)	1:9:B:GLU:HG3	1:10:B:THR:HG23	20	0.8
(1,815)	1:9:A:GLU:HG3	1:10:A:THR:HG23	4	0.8
(1,815)	1:9:A:GLU:HG3	1:10:A:THR:HG22	19	0.8
(1,688)	1:46:B:GLU:HG3	1:20:B:VAL:HG21	19	0.8
(1,687)	1:46:A:GLU:HG3	1:20:A:VAL:HG21	19	0.8
(1,635)	1:62:A:ARG:HG2	1:61:A:ASP:HB2	4	0.8
(1,565)	1:25:A:ALA:HB3	1:33:A:THR:HG21	18	0.8
(1,463)	1:68:A:ASP:HB2	1:33:A:THR:HG21	4	0.8
(1,418)	1:69:B:THR:HA	1:75:B:LEU:HD22	6	0.8
(1,418)	1:69:B:THR:HA	1:75:B:LEU:HD23	17	0.8
(1,417)	1:69:A:THR:HA	1:75:A:LEU:HD22	6	0.8
(1,348)	1:75:B:LEU:HD13	1:74:B:GLN:HA	17	0.8
(1,347)	1:75:A:LEU:HD13	1:74:A:GLN:HA	17	0.8
(1,80)	1:12:B:ARG:HG3	1:17:A:LEU:HD23	7	0.8
(1,80)	1:12:B:ARG:HG3	1:17:A:LEU:HD21	8	0.8
(1,78)	1:12:B:ARG:HG3	1:17:A:LEU:HD23	7	0.8
(1,78)	1:12:B:ARG:HG3	1:17:A:LEU:HD21	8	0.8
(2,85)	1:42:A:PHE:HB2	1:47:A:LEU:H	14	0.79
(1,5590)	1:19:B:ALA:H	1:14:B:ILE:HG21	2	0.79
(1,5589)	1:19:A:ALA:H	1:14:A:ILE:HG21	2	0.79
(1,5485)	1:87:A:LEU:H	1:14:B:ILE:HD12	11	0.79
(1,5480)	1:86:B:GLY:H	1:67:B:LEU:HD23	5	0.79
(1,5480)	1:86:B:GLY:H	1:67:B:LEU:HD23	8	0.79
(1,5479)	1:86:A:GLY:H	1:67:A:LEU:HD23	5	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5479)	1:86:A:GLY:H	1:67:A:LEU:HD23	8	0.79
(1,5472)	1:80:B:PHE:H	1:75:B:LEU:HD11	19	0.79
(1,5471)	1:80:A:PHE:H	1:75:A:LEU:HD11	19	0.79
(1,5306)	1:81:B:LEU:H	1:82:B:ASN:HB3	12	0.79
(1,5306)	1:46:B:GLU:H	1:44:B:ASN:HB3	17	0.79
(1,5306)	1:81:B:LEU:H	1:89:A:MET:HG2	19	0.79
(1,5305)	1:81:A:LEU:H	1:82:A:ASN:HB3	12	0.79
(1,5305)	1:46:A:GLU:H	1:44:A:ASN:HB3	13	0.79
(1,5305)	1:46:A:GLU:H	1:44:A:ASN:HB3	17	0.79
(1,5296)	1:76:B:ASP:H	1:33:B:THR:HB	9	0.79
(1,5295)	1:76:A:ASP:H	1:33:A:THR:HB	13	0.79
(1,5202)	1:40:B:LEU:H	1:64:B:MET:HG2	15	0.79
(1,5201)	1:40:A:LEU:H	1:64:A:MET:HG2	15	0.79
(1,4857)	1:23:A:LYS:HB2	1:23:A:LYS:HE3	3	0.79
(1,4845)	1:66:A:LYS:HE2	1:62:A:ARG:HD3	17	0.79
(1,4818)	1:59:B:VAL:HA	1:62:B:ARG:HG2	9	0.79
(1,4817)	1:59:A:VAL:HA	1:62:A:ARG:HG2	9	0.79
(1,4742)	1:44:B:ASN:HA	1:60:B:LEU:HD13	7	0.79
(1,4741)	1:44:A:ASN:HA	1:60:A:LEU:HD13	7	0.79
(1,4696)	1:20:B:VAL:HG13	1:47:B:LEU:HD22	14	0.79
(1,4695)	1:20:A:VAL:HG13	1:47:A:LEU:HD22	14	0.79
(1,4686)	1:20:B:VAL:HG12	1:23:B:LYS:HB2	6	0.79
(1,4685)	1:20:A:VAL:HG12	1:23:A:LYS:HB2	6	0.79
(1,4678)	1:39:B:PHE:HA	1:46:B:GLU:HB2	9	0.79
(1,4564)	1:98:B:ALA:HB3	1:97:B:LYS:HB2	13	0.79
(1,4563)	1:98:A:ALA:HB3	1:97:A:LYS:HB2	13	0.79
(1,4515)	1:94:A:SER:HB2	1:95:A:PHE:HB2	16	0.79
(1,4464)	1:83:B:LEU:HD11	1:86:B:GLY:H	10	0.79
(1,4464)	1:83:B:LEU:HD12	1:86:B:GLY:H	15	0.79
(1,4462)	1:100:B:PRO:HD3	1:99:B:VAL:HG22	8	0.79
(1,4426)	1:89:B:MET:HG3	1:88:B:ALA:HB1	10	0.79
(1,4425)	1:89:A:MET:HG3	1:88:A:ALA:HB1	10	0.79
(1,4392)	1:17:B:LEU:HG	1:81:B:LEU:HD23	18	0.79
(1,4391)	1:17:A:LEU:HG	1:81:A:LEU:HD23	18	0.79
(1,4383)	1:11:A:GLU:HB3	1:47:B:LEU:HD22	16	0.79
(1,4375)	1:74:A:GLN:H	1:33:A:THR:HG23	9	0.79
(1,4316)	1:22:B:GLN:HA	1:26:B:GLY:HA2	5	0.79
(1,4315)	1:22:A:GLN:HA	1:26:A:GLY:HA2	5	0.79
(1,4315)	1:22:A:GLN:HA	1:26:A:GLY:HA2	7	0.79
(1,4273)	1:89:A:MET:HB2	1:81:B:LEU:HD12	12	0.79
(1,4245)	1:100:A:PRO:HB2	1:22:B:GLN:H	18	0.79
(1,4244)	1:91:B:CYS:HA	1:18:A:ILE:HB	13	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4243)	1:91:A:CYS:HA	1:18:B:ILE:HB	13	0.79
(1,4168)	1:20:B:VAL:HB	1:34:B:LEU:HD22	18	0.79
(1,4167)	1:20:A:VAL:HB	1:34:A:LEU:HD22	18	0.79
(1,4136)	1:20:B:VAL:HB	1:34:B:LEU:HD22	18	0.79
(1,4135)	1:20:A:VAL:HB	1:34:A:LEU:HD22	18	0.79
(1,4104)	1:42:B:PHE:HA	1:20:B:VAL:HB	9	0.79
(1,4104)	1:42:B:PHE:HA	1:20:B:VAL:HB	18	0.79
(1,4103)	1:42:A:PHE:HA	1:20:A:VAL:HB	18	0.79
(1,4072)	1:97:B:LYS:HD2	1:94:B:SER:H	16	0.79
(1,4071)	1:97:A:LYS:HD2	1:94:A:SER:H	16	0.79
(1,3956)	1:48:B:ALA:HA	1:50:B:PHE:HB3	11	0.79
(1,3955)	1:48:A:ALA:HA	1:50:A:PHE:HB3	11	0.79
(1,3899)	1:34:A:LEU:HB2	1:74:A:GLN:HG2	11	0.79
(1,3892)	1:34:B:LEU:HD22	1:40:B:LEU:HA	7	0.79
(1,3884)	1:89:B:MET:HG3	1:82:A:ASN:H	13	0.79
(1,3883)	1:89:A:MET:HG3	1:82:B:ASN:H	13	0.79
(1,3864)	1:74:B:GLN:HG3	1:75:B:LEU:HD23	14	0.79
(1,3863)	1:74:A:GLN:HG2	1:75:A:LEU:HD23	11	0.79
(1,3789)	1:91:A:CYS:HA	1:18:B:ILE:HG23	9	0.79
(1,3786)	1:63:B:MET:HG3	1:61:B:ASP:H	1	0.79
(1,3785)	1:63:A:MET:HG3	1:61:A:ASP:H	1	0.79
(1,3762)	1:58:B:GLY:HA3	1:62:B:ARG:HG2	6	0.79
(1,3761)	1:58:A:GLY:HA3	1:62:A:ARG:HG2	6	0.79
(1,3730)	1:18:B:ILE:HG22	1:95:A:PHE:HA	15	0.79
(1,3720)	1:47:B:LEU:HD12	1:10:A:THR:H	16	0.79
(1,3716)	1:14:B:ILE:HB	1:87:A:LEU:HD13	11	0.79
(1,3715)	1:14:A:ILE:HB	1:87:B:LEU:HD13	11	0.79
(1,3678)	1:74:B:GLN:HG2	1:34:B:LEU:HA	1	0.79
(1,3678)	1:74:B:GLN:HG2	1:34:B:LEU:HA	17	0.79
(1,3677)	1:74:A:GLN:HG2	1:34:A:LEU:HA	1	0.79
(1,3668)	1:17:B:LEU:HD12	1:16:B:SER:H	4	0.79
(1,3667)	1:17:A:LEU:HD12	1:16:A:SER:H	4	0.79
(1,3667)	1:17:A:LEU:HD11	1:16:A:SER:H	15	0.79
(1,3655)	1:48:A:ALA:HB2	1:11:B:GLU:HG3	15	0.79
(1,3607)	1:37:A:THR:HG23	1:39:A:PHE:H	10	0.79
(1,3558)	1:68:B:ASP:HA	1:33:B:THR:HG22	10	0.79
(1,3557)	1:68:A:ASP:HA	1:33:A:THR:HG22	10	0.79
(1,3551)	1:47:A:LEU:HB2	1:11:B:GLU:HG3	9	0.79
(1,3533)	1:47:A:LEU:HB2	1:11:B:GLU:HG3	17	0.79
(1,3513)	1:40:A:LEU:HB2	1:39:A:PHE:HB3	20	0.79
(1,3506)	1:69:B:THR:HB	1:82:B:ASN:HB2	19	0.79
(1,3505)	1:69:A:THR:HB	1:82:A:ASN:HB2	19	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3500)	1:29:B:GLY:HA2	1:28:B:ASP:HB2	13	0.79
(1,3462)	1:84:B:ILE:HB	1:80:B:PHE:HB3	1	0.79
(1,3461)	1:84:A:ILE:HB	1:80:A:PHE:HB3	1	0.79
(1,3388)	1:17:B:LEU:HD21	1:88:A:ALA:HB3	10	0.79
(1,3387)	1:17:A:LEU:HD21	1:88:B:ALA:HB3	10	0.79
(1,3377)	1:8:A:THR:HG22	1:48:B:ALA:HA	11	0.79
(1,3364)	1:81:B:LEU:HD22	1:81:A:LEU:HA	20	0.79
(1,3363)	1:81:A:LEU:HD22	1:81:B:LEU:HA	20	0.79
(1,3270)	1:74:B:GLN:H	1:74:B:GLN:HB3	4	0.79
(1,3270)	1:74:B:GLN:H	1:74:B:GLN:HB3	15	0.79
(1,3270)	1:74:B:GLN:H	1:74:B:GLN:HB3	18	0.79
(1,3269)	1:74:A:GLN:H	1:74:A:GLN:HB3	15	0.79
(1,3269)	1:74:A:GLN:H	1:74:A:GLN:HB3	18	0.79
(1,2695)	1:82:A:ASN:H	1:83:A:LEU:HB2	11	0.79
(1,2674)	1:92:B:HIS:H	1:14:A:ILE:HG21	10	0.79
(1,2673)	1:92:A:HIS:H	1:14:B:ILE:HG21	10	0.79
(1,2518)	1:41:B:SER:H	1:34:B:LEU:HD22	4	0.79
(1,2518)	1:41:B:SER:H	1:34:B:LEU:HD21	13	0.79
(1,2517)	1:41:A:SER:H	1:34:A:LEU:HD22	4	0.79
(1,2506)	1:37:B:THR:H	1:34:B:LEU:HD23	18	0.79
(1,2170)	1:9:B:GLU:HG3	1:16:A:SER:HB3	4	0.79
(1,2169)	1:9:A:GLU:HG3	1:16:B:SER:HB3	4	0.79
(1,1029)	1:38:A:GLU:HB3	1:24:A:TYR:HB2	14	0.79
(1,816)	1:9:B:GLU:HG3	1:10:B:THR:HG21	16	0.79
(1,815)	1:9:A:GLU:HG3	1:10:A:THR:HG21	16	0.79
(1,815)	1:9:A:GLU:HG3	1:10:A:THR:HG23	20	0.79
(1,636)	1:62:B:ARG:HG2	1:61:B:ASP:HB2	4	0.79
(1,482)	1:8:B:THR:HA	1:10:B:THR:HG21	3	0.79
(1,481)	1:8:A:THR:HA	1:10:A:THR:HG21	3	0.79
(1,464)	1:68:B:ASP:HB2	1:33:B:THR:HG21	4	0.79
(1,464)	1:68:B:ASP:HB2	1:33:B:THR:HG22	9	0.79
(1,464)	1:68:B:ASP:HB2	1:33:B:THR:HG22	20	0.79
(1,463)	1:68:A:ASP:HB2	1:33:A:THR:HG22	9	0.79
(1,463)	1:68:A:ASP:HB2	1:33:A:THR:HG22	20	0.79
(1,342)	1:69:B:THR:HB	1:75:B:LEU:HD23	7	0.79
(1,341)	1:69:A:THR:HB	1:75:A:LEU:HD23	7	0.79
(1,320)	1:74:B:GLN:HB3	1:76:B:ASP:HB3	14	0.79
(1,319)	1:74:A:GLN:HB3	1:76:A:ASP:HB3	14	0.79
(1,146)	1:78:B:SER:HB2	1:81:B:LEU:HB3	4	0.79
(1,145)	1:78:A:SER:HB2	1:81:A:LEU:HB3	4	0.79
(1,79)	1:12:A:ARG:HG3	1:17:B:LEU:HD22	3	0.79
(1,79)	1:12:A:ARG:HG3	1:17:B:LEU:HD23	7	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,77)	1:12:A:ARG:HG3	1:17:B:LEU:HD22	3	0.79
(1,77)	1:12:A:ARG:HG3	1:17:B:LEU:HD23	7	0.79
(2,86)	1:42:B:PHE:HB2	1:47:B:LEU:H	14	0.78
(2,56)	1:23:B:LYS:HG2	1:26:B:GLY:H	11	0.78
(2,55)	1:23:A:LYS:HG2	1:26:A:GLY:H	11	0.78
(2,16)	1:61:B:ASP:HB2	1:62:B:ARG:HD2	17	0.78
(1,5658)	1:47:B:LEU:H	1:47:B:LEU:HD23	14	0.78
(1,5658)	1:47:B:LEU:H	1:47:B:LEU:HD22	16	0.78
(1,5657)	1:47:A:LEU:H	1:47:A:LEU:HD23	14	0.78
(1,5657)	1:47:A:LEU:H	1:47:A:LEU:HD22	16	0.78
(1,5590)	1:19:B:ALA:H	1:14:B:ILE:HG22	20	0.78
(1,5589)	1:19:A:ALA:H	1:14:A:ILE:HG22	20	0.78
(1,5486)	1:87:B:LEU:H	1:14:A:ILE:HD13	19	0.78
(1,5314)	1:92:B:HIS:H	1:18:A:ILE:HG23	15	0.78
(1,5306)	1:46:B:GLU:H	1:44:B:ASN:HB3	13	0.78
(1,5305)	1:81:A:LEU:H	1:89:B:MET:HG2	19	0.78
(1,5295)	1:76:A:ASP:H	1:33:A:THR:HB	9	0.78
(1,5224)	1:21:B:PHE:H	1:25:B:ALA:HB2	10	0.78
(1,5223)	1:21:A:PHE:H	1:25:A:ALA:HB2	10	0.78
(1,5202)	1:40:B:LEU:H	1:64:B:MET:HG3	19	0.78
(1,5201)	1:40:A:LEU:H	1:64:A:MET:HG3	19	0.78
(1,4858)	1:23:B:LYS:HB2	1:23:B:LYS:HE3	3	0.78
(1,4858)	1:23:B:LYS:HB2	1:23:B:LYS:HE3	14	0.78
(1,4857)	1:23:A:LYS:HB2	1:23:A:LYS:HE3	14	0.78
(1,4846)	1:66:B:LYS:HE2	1:62:B:ARG:HD3	17	0.78
(1,4840)	1:80:B:PHE:HB3	1:39:B:PHE:HB3	10	0.78
(1,4839)	1:80:A:PHE:HB3	1:39:A:PHE:HB3	10	0.78
(1,4781)	1:8:A:THR:HB	1:7:A:PRO:HG2	6	0.78
(1,4569)	1:53:A:ASN:H	1:52:A:LYS:HG2	6	0.78
(1,4550)	1:88:B:ALA:HB2	1:91:B:CYS:HB2	6	0.78
(1,4516)	1:94:B:SER:HB2	1:95:B:PHE:HB2	16	0.78
(1,4488)	1:84:B:ILE:HB	1:17:B:LEU:HD22	8	0.78
(1,4487)	1:84:A:ILE:HB	1:17:A:LEU:HD22	8	0.78
(1,4463)	1:83:A:LEU:HD11	1:86:A:GLY:H	10	0.78
(1,4462)	1:100:B:PRO:HD3	1:99:B:VAL:HG21	11	0.78
(1,4461)	1:100:A:PRO:HD3	1:99:A:VAL:HG22	8	0.78
(1,4461)	1:100:A:PRO:HD3	1:99:A:VAL:HG21	11	0.78
(1,4394)	1:17:B:LEU:HB2	1:9:A:GLU:HG2	13	0.78
(1,4394)	1:17:B:LEU:HB2	1:9:A:GLU:HG3	16	0.78
(1,4393)	1:17:A:LEU:HB2	1:9:B:GLU:HG2	13	0.78
(1,4384)	1:11:B:GLU:HB3	1:47:A:LEU:HD22	16	0.78
(1,4376)	1:74:B:GLN:H	1:33:B:THR:HG23	9	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4375)	1:74:A:GLN:H	1:33:A:THR:HG22	5	0.78
(1,4316)	1:22:B:GLN:HA	1:26:B:GLY:HA2	7	0.78
(1,4316)	1:22:B:GLN:HA	1:26:B:GLY:HA2	20	0.78
(1,4315)	1:22:A:GLN:HA	1:26:A:GLY:HA2	20	0.78
(1,4302)	1:34:B:LEU:HD12	1:80:B:PHE:HB3	2	0.78
(1,4302)	1:34:B:LEU:HD13	1:80:B:PHE:HB3	4	0.78
(1,4301)	1:34:A:LEU:HD12	1:80:A:PHE:HB3	2	0.78
(1,4301)	1:34:A:LEU:HD13	1:80:A:PHE:HB3	4	0.78
(1,4274)	1:89:B:MET:HB2	1:81:A:LEU:HD12	12	0.78
(1,4273)	1:89:A:MET:HB2	1:81:B:LEU:HD13	3	0.78
(1,4245)	1:89:A:MET:HB2	1:85:A:GLY:H	4	0.78
(1,4202)	1:11:B:GLU:HG2	1:8:B:THR:HG23	20	0.78
(1,4201)	1:11:A:GLU:HG2	1:8:A:THR:HG23	20	0.78
(1,4200)	1:42:B:PHE:HA	1:39:B:PHE:HA	4	0.78
(1,4199)	1:42:A:PHE:HA	1:39:A:PHE:HA	4	0.78
(1,4172)	1:24:B:TYR:HB2	1:27:B:LYS:HD2	5	0.78
(1,4171)	1:24:A:TYR:HB2	1:27:A:LYS:HD2	5	0.78
(1,4128)	1:95:B:PHE:H	1:98:B:ALA:HB1	2	0.78
(1,4127)	1:95:A:PHE:H	1:98:A:ALA:HB1	2	0.78
(1,4103)	1:42:A:PHE:HA	1:20:A:VAL:HB	9	0.78
(1,4066)	1:44:B:ASN:HB3	1:60:B:LEU:HD12	19	0.78
(1,4065)	1:44:A:ASN:HB3	1:60:A:LEU:HD12	19	0.78
(1,4014)	1:66:B:LYS:H	1:66:B:LYS:HD3	14	0.78
(1,4013)	1:66:A:LYS:H	1:66:A:LYS:HD3	14	0.78
(1,3938)	1:39:B:PHE:HB2	1:36:B:LYS:HG3	7	0.78
(1,3937)	1:39:A:PHE:HB2	1:36:A:LYS:HG3	7	0.78
(1,3900)	1:34:B:LEU:HB2	1:74:B:GLN:HG2	14	0.78
(1,3899)	1:34:A:LEU:HB2	1:74:A:GLN:HG2	14	0.78
(1,3892)	1:34:B:LEU:HD23	1:40:B:LEU:HA	4	0.78
(1,3892)	1:34:B:LEU:HD22	1:40:B:LEU:HA	16	0.78
(1,3891)	1:34:A:LEU:HD23	1:40:A:LEU:HA	4	0.78
(1,3891)	1:34:A:LEU:HD22	1:40:A:LEU:HA	16	0.78
(1,3884)	1:89:B:MET:HG3	1:82:A:ASN:H	6	0.78
(1,3884)	1:89:B:MET:HG3	1:82:A:ASN:H	19	0.78
(1,3883)	1:89:A:MET:HG3	1:82:B:ASN:H	6	0.78
(1,3883)	1:89:A:MET:HG3	1:82:B:ASN:H	19	0.78
(1,3864)	1:74:B:GLN:HG2	1:75:B:LEU:HD23	11	0.78
(1,3802)	1:21:B:PHE:HB2	1:22:B:GLN:HA	1	0.78
(1,3801)	1:21:A:PHE:HB2	1:22:A:GLN:HA	1	0.78
(1,3789)	1:91:A:CYS:HA	1:18:B:ILE:HG22	19	0.78
(1,3778)	1:57:B:PRO:HA	1:63:B:MET:HG3	10	0.78
(1,3777)	1:57:A:PRO:HA	1:63:A:MET:HG3	10	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3762)	1:58:B:GLY:HA3	1:62:B:ARG:HG2	7	0.78
(1,3762)	1:58:B:GLY:HA3	1:62:B:ARG:HG2	14	0.78
(1,3761)	1:58:A:GLY:HA3	1:62:A:ARG:HG2	7	0.78
(1,3761)	1:58:A:GLY:HA3	1:62:A:ARG:HG2	14	0.78
(1,3736)	1:37:B:THR:HB	1:35:B:SER:HA	10	0.78
(1,3732)	1:25:B:ALA:HB3	1:35:B:SER:HB2	20	0.78
(1,3731)	1:25:A:ALA:HB3	1:35:A:SER:HB2	20	0.78
(1,3726)	1:46:B:GLU:HB2	1:20:B:VAL:HG11	7	0.78
(1,3725)	1:46:A:GLU:HB2	1:20:A:VAL:HG11	7	0.78
(1,3716)	1:14:B:ILE:HB	1:87:A:LEU:HD11	19	0.78
(1,3715)	1:14:A:ILE:HB	1:87:B:LEU:HD12	15	0.78
(1,3680)	1:33:B:THR:HB	1:34:B:LEU:HG	1	0.78
(1,3680)	1:33:B:THR:HB	1:34:B:LEU:HG	8	0.78
(1,3679)	1:33:A:THR:HB	1:34:A:LEU:HG	8	0.78
(1,3678)	1:74:B:GLN:HG2	1:34:B:LEU:HA	6	0.78
(1,3678)	1:74:B:GLN:HG2	1:34:B:LEU:HA	14	0.78
(1,3677)	1:74:A:GLN:HG2	1:34:A:LEU:HA	14	0.78
(1,3677)	1:74:A:GLN:HG2	1:34:A:LEU:HA	17	0.78
(1,3632)	1:65:B:LYS:HG2	1:61:B:ASP:HB3	16	0.78
(1,3631)	1:65:A:LYS:HG2	1:61:A:ASP:HB3	16	0.78
(1,3608)	1:37:B:THR:HG23	1:39:B:PHE:H	10	0.78
(1,3608)	1:37:B:THR:HG21	1:39:B:PHE:H	18	0.78
(1,3607)	1:37:A:THR:HG21	1:39:A:PHE:H	18	0.78
(1,3606)	1:77:B:PHE:HB3	1:88:A:ALA:HB1	7	0.78
(1,3606)	1:77:B:PHE:HB3	1:88:A:ALA:HB2	17	0.78
(1,3605)	1:77:A:PHE:HB3	1:88:B:ALA:HB1	7	0.78
(1,3510)	1:7:B:PRO:HB2	1:12:B:ARG:HD3	5	0.78
(1,3500)	1:29:B:GLY:HA2	1:28:B:ASP:HB2	1	0.78
(1,3499)	1:29:A:GLY:HA2	1:28:A:ASP:HB2	1	0.78
(1,3499)	1:29:A:GLY:HA2	1:28:A:ASP:HB2	13	0.78
(1,3482)	1:69:B:THR:HB	1:67:B:LEU:HD22	1	0.78
(1,3481)	1:69:A:THR:HB	1:67:A:LEU:HD22	1	0.78
(1,3454)	1:87:B:LEU:HB2	1:89:B:MET:HB2	3	0.78
(1,3454)	1:81:B:LEU:HB2	1:77:B:PHE:HB2	6	0.78
(1,3453)	1:87:A:LEU:HB2	1:89:A:MET:HB2	3	0.78
(1,3453)	1:81:A:LEU:HB2	1:77:A:PHE:HB2	6	0.78
(1,3406)	1:15:B:GLU:HB3	1:102:A:GLN:HG2	19	0.78
(1,3388)	1:17:B:LEU:HD21	1:88:A:ALA:HB1	11	0.78
(1,3387)	1:17:A:LEU:HD21	1:88:B:ALA:HB1	11	0.78
(1,3378)	1:8:B:THR:HG23	1:48:A:ALA:HA	6	0.78
(1,3378)	1:8:B:THR:HG22	1:48:A:ALA:HA	11	0.78
(1,3270)	1:74:B:GLN:H	1:74:B:GLN:HB3	1	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3270)	1:74:B:GLN:H	1:74:B:GLN:HB3	6	0.78
(1,3270)	1:74:B:GLN:H	1:74:B:GLN:HB3	9	0.78
(1,3269)	1:74:A:GLN:H	1:74:A:GLN:HB3	1	0.78
(1,3269)	1:74:A:GLN:H	1:74:A:GLN:HB3	4	0.78
(1,3269)	1:74:A:GLN:H	1:74:A:GLN:HB3	6	0.78
(1,3269)	1:74:A:GLN:H	1:74:A:GLN:HB3	9	0.78
(1,3269)	1:74:A:GLN:H	1:74:A:GLN:HB3	20	0.78
(1,2696)	1:82:B:ASN:H	1:83:B:LEU:HB2	11	0.78
(1,2518)	1:41:B:SER:H	1:34:B:LEU:HD21	18	0.78
(1,2517)	1:41:A:SER:H	1:34:A:LEU:HD21	18	0.78
(1,2505)	1:37:A:THR:H	1:34:A:LEU:HD23	18	0.78
(1,2109)	1:33:A:THR:HG21	1:76:A:ASP:HB3	17	0.78
(1,1918)	1:94:B:SER:H	1:93:B:ASP:HB2	10	0.78
(1,1917)	1:94:A:SER:H	1:93:A:ASP:HB2	10	0.78
(1,1768)	1:20:B:VAL:HG12	1:24:B:TYR:H	6	0.78
(1,1768)	1:20:B:VAL:HG12	1:24:B:TYR:H	16	0.78
(1,1767)	1:20:A:VAL:HG12	1:24:A:TYR:H	6	0.78
(1,1767)	1:20:A:VAL:HG12	1:24:A:TYR:H	16	0.78
(1,1076)	1:7:B:PRO:HG2	1:12:B:ARG:HD3	13	0.78
(1,1075)	1:7:A:PRO:HG2	1:12:A:ARG:HD3	13	0.78
(1,1030)	1:38:B:GLU:HB3	1:24:B:TYR:HB2	14	0.78
(1,816)	1:9:B:GLU:HG3	1:10:B:THR:HG22	3	0.78
(1,816)	1:9:B:GLU:HG3	1:10:B:THR:HG21	8	0.78
(1,815)	1:9:A:GLU:HG3	1:10:A:THR:HG22	3	0.78
(1,815)	1:9:A:GLU:HG3	1:10:A:THR:HG21	8	0.78
(1,566)	1:25:B:ALA:HB3	1:33:B:THR:HG21	18	0.78
(1,482)	1:8:B:THR:HA	1:10:B:THR:HG23	8	0.78
(1,482)	1:8:B:THR:HA	1:10:B:THR:HG21	9	0.78
(1,482)	1:8:B:THR:HA	1:10:B:THR:HG21	11	0.78
(1,481)	1:8:A:THR:HA	1:10:A:THR:HG23	8	0.78
(1,481)	1:8:A:THR:HA	1:10:A:THR:HG21	9	0.78
(1,481)	1:8:A:THR:HA	1:10:A:THR:HG21	11	0.78
(1,418)	1:69:B:THR:HA	1:75:B:LEU:HD23	13	0.78
(1,417)	1:69:A:THR:HA	1:75:A:LEU:HD23	2	0.78
(1,342)	1:69:B:THR:HB	1:75:B:LEU:HD22	10	0.78
(1,342)	1:69:B:THR:HB	1:75:B:LEU:HD22	15	0.78
(1,341)	1:69:A:THR:HB	1:75:A:LEU:HD22	10	0.78
(1,302)	1:22:B:GLN:HB2	1:25:B:ALA:HB1	18	0.78
(1,301)	1:22:A:GLN:HB2	1:25:A:ALA:HB1	18	0.78
(1,12)	1:18:B:ILE:HG22	1:94:A:SER:HB3	6	0.78
(2,15)	1:61:A:ASP:HB2	1:62:A:ARG:HD2	17	0.77
(1,5600)	1:61:B:ASP:H	1:59:B:VAL:HG13	10	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5600)	1:61:B:ASP:H	1:59:B:VAL:HG12	11	0.77
(1,5599)	1:61:A:ASP:H	1:59:A:VAL:HG13	10	0.77
(1,5599)	1:61:A:ASP:H	1:59:A:VAL:HG12	11	0.77
(1,5486)	1:87:B:LEU:H	1:14:A:ILE:HD13	2	0.77
(1,5486)	1:87:B:LEU:H	1:14:A:ILE:HD12	7	0.77
(1,5472)	1:80:B:PHE:H	1:75:B:LEU:HD11	20	0.77
(1,5471)	1:80:A:PHE:H	1:75:A:LEU:HD11	20	0.77
(1,5460)	1:22:B:GLN:H	1:20:B:VAL:HG22	12	0.77
(1,5459)	1:22:A:GLN:H	1:23:A:LYS:HD3	12	0.77
(1,5373)	1:10:A:THR:H	1:47:B:LEU:HD22	9	0.77
(1,5373)	1:10:A:THR:H	1:47:B:LEU:HD21	19	0.77
(1,5352)	1:41:B:SER:H	1:39:B:PHE:HB3	9	0.77
(1,5351)	1:41:A:SER:H	1:39:A:PHE:HB3	9	0.77
(1,5328)	1:99:B:VAL:H	1:96:B:LEU:HD23	3	0.77
(1,5327)	1:99:A:VAL:H	1:96:A:LEU:HD23	3	0.77
(1,4846)	1:97:B:LYS:HE3	1:95:B:PHE:HB3	8	0.77
(1,4845)	1:97:A:LYS:HE3	1:95:A:PHE:HB3	8	0.77
(1,4782)	1:8:B:THR:HB	1:7:B:PRO:HG2	6	0.77
(1,4756)	1:46:B:GLU:HB2	1:45:B:THR:HG21	12	0.77
(1,4755)	1:46:A:GLU:HB2	1:45:A:THR:HG21	12	0.77
(1,4742)	1:44:B:ASN:HA	1:60:B:LEU:HD11	18	0.77
(1,4741)	1:44:A:ASN:HA	1:60:A:LEU:HD11	18	0.77
(1,4696)	1:20:B:VAL:HG13	1:47:B:LEU:HD21	19	0.77
(1,4695)	1:20:A:VAL:HG13	1:47:A:LEU:HD21	19	0.77
(1,4678)	1:39:B:PHE:HA	1:46:B:GLU:HB2	19	0.77
(1,4677)	1:39:A:PHE:HA	1:46:A:GLU:HB2	19	0.77
(1,4651)	1:37:A:THR:HG21	1:41:A:SER:H	12	0.77
(1,4549)	1:88:A:ALA:HB2	1:91:A:CYS:HB2	6	0.77
(1,4536)	1:64:B:MET:HG3	1:75:B:LEU:HD21	18	0.77
(1,4535)	1:64:A:MET:HG3	1:75:A:LEU:HD21	18	0.77
(1,4462)	1:100:B:PRO:HD3	1:99:B:VAL:HG21	12	0.77
(1,4461)	1:100:A:PRO:HD3	1:99:A:VAL:HG21	12	0.77
(1,4438)	1:22:B:GLN:HG2	1:25:B:ALA:HB1	15	0.77
(1,4424)	1:58:B:GLY:HA2	1:57:B:PRO:HG2	10	0.77
(1,4424)	1:100:B:PRO:HG2	1:99:B:VAL:HA	19	0.77
(1,4423)	1:58:A:GLY:HA2	1:57:A:PRO:HG2	10	0.77
(1,4423)	1:100:A:PRO:HG2	1:99:A:VAL:HA	19	0.77
(1,4376)	1:74:B:GLN:H	1:33:B:THR:HG22	5	0.77
(1,4376)	1:74:B:GLN:H	1:33:B:THR:HG22	11	0.77
(1,4375)	1:74:A:GLN:H	1:33:A:THR:HG22	11	0.77
(1,4375)	1:74:A:GLN:H	1:33:A:THR:HG22	18	0.77
(1,4358)	1:18:B:ILE:HB	1:19:B:ALA:HA	13	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4357)	1:18:A:ILE:HB	1:19:A:ALA:HA	13	0.77
(1,4317)	1:67:A:LEU:HD23	1:63:A:MET:HG3	3	0.77
(1,4272)	1:82:B:ASN:HA	1:85:B:GLY:HA2	10	0.77
(1,4271)	1:82:A:ASN:HA	1:85:A:GLY:HA2	10	0.77
(1,4253)	1:15:A:GLU:HG2	1:88:B:ALA:HB1	12	0.77
(1,4246)	1:89:B:MET:HB2	1:85:B:GLY:H	4	0.77
(1,4202)	1:11:B:GLU:HG2	1:8:B:THR:HG22	11	0.77
(1,4200)	1:42:B:PHE:HA	1:39:B:PHE:HA	3	0.77
(1,4195)	1:52:A:LYS:HD3	1:44:A:ASN:HB3	12	0.77
(1,4072)	1:97:B:LYS:HD2	1:94:B:SER:H	1	0.77
(1,4071)	1:97:A:LYS:HD2	1:94:A:SER:H	1	0.77
(1,4058)	1:18:B:ILE:HG23	1:91:A:CYS:HB2	9	0.77
(1,4009)	1:59:A:VAL:HG21	1:87:A:LEU:HD21	20	0.77
(1,3984)	1:60:B:LEU:HD12	1:52:B:LYS:H	17	0.77
(1,3983)	1:60:A:LEU:HD12	1:52:A:LYS:H	17	0.77
(1,3982)	1:94:B:SER:HA	1:91:B:CYS:HB2	9	0.77
(1,3965)	1:9:A:GLU:HB2	1:12:A:ARG:HD2	12	0.77
(1,3958)	1:17:B:LEU:HG	1:16:B:SER:HB3	10	0.77
(1,3957)	1:17:A:LEU:HG	1:16:A:SER:HB3	10	0.77
(1,3956)	1:48:B:ALA:HA	1:50:B:PHE:HB3	1	0.77
(1,3956)	1:48:B:ALA:HA	1:50:B:PHE:HB3	13	0.77
(1,3955)	1:48:A:ALA:HA	1:50:A:PHE:HB3	1	0.77
(1,3955)	1:48:A:ALA:HA	1:50:A:PHE:HB3	13	0.77
(1,3899)	1:34:A:LEU:HB2	1:74:A:GLN:HG2	12	0.77
(1,3898)	1:10:B:THR:HA	1:14:B:ILE:HB	19	0.77
(1,3897)	1:10:A:THR:HA	1:14:A:ILE:HB	17	0.77
(1,3870)	1:12:B:ARG:HD2	1:14:B:ILE:HA	4	0.77
(1,3869)	1:12:A:ARG:HD2	1:14:A:ILE:HA	4	0.77
(1,3864)	1:74:B:GLN:HG3	1:75:B:LEU:HD21	12	0.77
(1,3786)	1:63:B:MET:HG3	1:61:B:ASP:H	14	0.77
(1,3780)	1:48:B:ALA:HA	1:50:B:PHE:HB3	3	0.77
(1,3779)	1:48:A:ALA:HA	1:50:A:PHE:HB3	3	0.77
(1,3736)	1:37:B:THR:HB	1:35:B:SER:HA	14	0.77
(1,3736)	1:37:B:THR:HB	1:35:B:SER:HA	19	0.77
(1,3735)	1:37:A:THR:HB	1:35:A:SER:HA	14	0.77
(1,3719)	1:47:A:LEU:HD12	1:10:B:THR:H	16	0.77
(1,3716)	1:14:B:ILE:HB	1:87:A:LEU:HD11	7	0.77
(1,3715)	1:14:A:ILE:HB	1:87:B:LEU:HD13	4	0.77
(1,3680)	1:33:B:THR:HB	1:34:B:LEU:HG	9	0.77
(1,3679)	1:33:A:THR:HB	1:34:A:LEU:HG	1	0.77
(1,3677)	1:74:A:GLN:HG2	1:34:A:LEU:HA	6	0.77
(1,3648)	1:12:B:ARG:HD2	1:14:B:ILE:HA	4	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3647)	1:12:A:ARG:HD2	1:14:A:ILE:HA	4	0.77
(1,3646)	1:12:B:ARG:HD2	1:14:B:ILE:HA	4	0.77
(1,3645)	1:12:A:ARG:HD2	1:14:A:ILE:HA	4	0.77
(1,3605)	1:77:A:PHE:HB3	1:88:B:ALA:HB2	17	0.77
(1,3557)	1:68:A:ASP:HA	1:33:A:THR:HG21	19	0.77
(1,3534)	1:47:B:LEU:HB2	1:46:B:GLU:HG2	15	0.77
(1,3533)	1:47:A:LEU:HB2	1:46:A:GLU:HG2	15	0.77
(1,3509)	1:7:A:PRO:HB2	1:12:A:ARG:HD3	5	0.77
(1,3482)	1:69:B:THR:HB	1:67:B:LEU:HD23	20	0.77
(1,3481)	1:69:A:THR:HB	1:67:A:LEU:HD23	20	0.77
(1,3468)	1:75:B:LEU:HB3	1:33:B:THR:HA	4	0.77
(1,3467)	1:75:A:LEU:HB3	1:33:A:THR:HA	4	0.77
(1,3270)	1:74:B:GLN:H	1:74:B:GLN:HB3	8	0.77
(1,3270)	1:74:B:GLN:H	1:74:B:GLN:HB3	20	0.77
(1,3269)	1:74:A:GLN:H	1:74:A:GLN:HB3	5	0.77
(1,3269)	1:74:A:GLN:H	1:74:A:GLN:HB3	8	0.77
(1,2760)	1:34:B:LEU:H	1:34:B:LEU:HD22	5	0.77
(1,2759)	1:34:A:LEU:H	1:34:A:LEU:HD22	5	0.77
(1,2636)	1:43:B:MET:H	1:34:B:LEU:HD21	2	0.77
(1,2636)	1:43:B:MET:H	1:34:B:LEU:HD23	10	0.77
(1,2635)	1:43:A:MET:H	1:34:A:LEU:HD23	10	0.77
(1,2110)	1:33:B:THR:HG21	1:76:B:ASP:HB3	17	0.77
(1,1500)	1:18:B:ILE:HG21	1:22:B:GLN:HG3	19	0.77
(1,1499)	1:18:A:ILE:HG21	1:22:A:GLN:HG3	19	0.77
(1,1030)	1:38:B:GLU:HB3	1:24:B:TYR:HB2	17	0.77
(1,1029)	1:38:A:GLU:HB3	1:24:A:TYR:HB2	17	0.77
(1,1014)	1:62:B:ARG:HB3	1:63:B:MET:HG2	18	0.77
(1,1013)	1:62:A:ARG:HB3	1:63:A:MET:HG2	3	0.77
(1,934)	1:97:B:LYS:HA	1:97:B:LYS:HE3	16	0.77
(1,933)	1:97:A:LYS:HA	1:97:A:LYS:HE3	16	0.77
(1,816)	1:9:B:GLU:HG3	1:10:B:THR:HG22	15	0.77
(1,482)	1:8:B:THR:HA	1:10:B:THR:HG22	12	0.77
(1,481)	1:8:A:THR:HA	1:10:A:THR:HG22	12	0.77
(1,464)	1:68:B:ASP:HB2	1:33:B:THR:HG23	13	0.77
(1,418)	1:69:B:THR:HA	1:75:B:LEU:HD23	2	0.77
(1,418)	1:69:B:THR:HA	1:75:B:LEU:HD22	10	0.77
(1,417)	1:69:A:THR:HA	1:75:A:LEU:HD22	10	0.77
(1,417)	1:69:A:THR:HA	1:75:A:LEU:HD23	13	0.77
(1,348)	1:75:B:LEU:HD12	1:74:B:GLN:HA	16	0.77
(1,347)	1:75:A:LEU:HD12	1:74:A:GLN:HA	16	0.77
(1,341)	1:69:A:THR:HB	1:75:A:LEU:HD22	15	0.77
(1,301)	1:22:A:GLN:HB2	1:25:A:ALA:HB1	20	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,146)	1:78:B:SER:HB3	1:81:B:LEU:HB3	15	0.77
(1,79)	1:12:A:ARG:HG3	1:17:B:LEU:HD22	18	0.77
(1,77)	1:12:A:ARG:HG3	1:17:B:LEU:HD22	18	0.77
(1,12)	1:18:B:ILE:HG23	1:94:A:SER:HB2	4	0.77
(1,12)	1:18:B:ILE:HG23	1:94:A:SER:HB3	20	0.77
(1,11)	1:18:A:ILE:HG23	1:94:B:SER:HB3	20	0.77
(1,5658)	1:47:B:LEU:H	1:47:B:LEU:HD21	3	0.76
(1,5658)	1:47:B:LEU:H	1:47:B:LEU:HD21	5	0.76
(1,5658)	1:47:B:LEU:H	1:47:B:LEU:HD22	17	0.76
(1,5657)	1:47:A:LEU:H	1:47:A:LEU:HD21	5	0.76
(1,5657)	1:47:A:LEU:H	1:47:A:LEU:HD22	17	0.76
(1,5600)	1:61:B:ASP:H	1:59:B:VAL:HG12	9	0.76
(1,5599)	1:61:A:ASP:H	1:59:A:VAL:HG12	9	0.76
(1,5590)	1:19:B:ALA:H	1:14:B:ILE:HG21	17	0.76
(1,5589)	1:19:A:ALA:H	1:14:A:ILE:HG21	17	0.76
(1,5586)	1:46:B:GLU:H	1:45:B:THR:HG21	12	0.76
(1,5585)	1:46:A:GLU:H	1:45:A:THR:HG21	12	0.76
(1,5485)	1:87:A:LEU:H	1:14:B:ILE:HD13	2	0.76
(1,5480)	1:86:B:GLY:H	1:67:B:LEU:HD22	11	0.76
(1,5479)	1:86:A:GLY:H	1:67:A:LEU:HD22	11	0.76
(1,5460)	1:22:B:GLN:H	1:20:B:VAL:HG21	17	0.76
(1,5459)	1:22:A:GLN:H	1:20:A:VAL:HG21	17	0.76
(1,5373)	1:10:A:THR:H	1:47:B:LEU:HD21	8	0.76
(1,5350)	1:26:B:GLY:H	1:22:B:GLN:HB3	8	0.76
(1,5349)	1:26:A:GLY:H	1:22:A:GLN:HB3	8	0.76
(1,5328)	1:99:B:VAL:H	1:96:B:LEU:HD22	5	0.76
(1,5328)	1:99:B:VAL:H	1:96:B:LEU:HD12	18	0.76
(1,5327)	1:99:A:VAL:H	1:96:A:LEU:HD22	5	0.76
(1,5322)	1:47:B:LEU:H	1:87:B:LEU:HD12	12	0.76
(1,5321)	1:47:A:LEU:H	1:87:A:LEU:HD12	12	0.76
(1,5319)	1:77:A:PHE:H	1:78:A:SER:HA	1	0.76
(1,5319)	1:77:A:PHE:H	1:78:A:SER:HA	9	0.76
(1,5313)	1:92:A:HIS:H	1:18:B:ILE:HG21	9	0.76
(1,5313)	1:92:A:HIS:H	1:18:B:ILE:HG21	12	0.76
(1,5313)	1:92:A:HIS:H	1:18:B:ILE:HG23	15	0.76
(1,5296)	1:76:B:ASP:H	1:33:B:THR:HB	1	0.76
(1,5295)	1:76:A:ASP:H	1:33:A:THR:HB	1	0.76
(1,5214)	1:77:B:PHE:H	1:81:B:LEU:HB2	17	0.76
(1,5213)	1:77:A:PHE:H	1:81:A:LEU:HB2	17	0.76
(1,5206)	1:44:B:ASN:H	1:60:B:LEU:HB2	14	0.76
(1,4756)	1:46:B:GLU:HB2	1:45:B:THR:HG22	10	0.76
(1,4755)	1:46:A:GLU:HB2	1:45:A:THR:HG22	10	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4652)	1:37:B:THR:HG21	1:41:B:SER:H	12	0.76
(1,4570)	1:97:B:LYS:HG2	1:98:B:ALA:H	20	0.76
(1,4569)	1:97:A:LYS:HG2	1:98:A:ALA:H	20	0.76
(1,4550)	1:88:B:ALA:HB3	1:91:B:CYS:HB2	2	0.76
(1,4549)	1:88:A:ALA:HB3	1:91:A:CYS:HB2	2	0.76
(1,4458)	1:18:B:ILE:HG21	1:19:B:ALA:HB3	8	0.76
(1,4458)	1:18:B:ILE:HG23	1:19:B:ALA:HB1	10	0.76
(1,4458)	1:18:B:ILE:HG22	1:19:B:ALA:HB1	14	0.76
(1,4457)	1:18:A:ILE:HG21	1:19:A:ALA:HB3	8	0.76
(1,4457)	1:18:A:ILE:HG23	1:19:A:ALA:HB1	10	0.76
(1,4457)	1:18:A:ILE:HG22	1:19:A:ALA:HB1	14	0.76
(1,4450)	1:69:B:THR:HG23	1:70:B:ASN:HB3	7	0.76
(1,4437)	1:22:A:GLN:HG2	1:25:A:ALA:HB1	15	0.76
(1,4393)	1:17:A:LEU:HB2	1:9:B:GLU:HG3	16	0.76
(1,4376)	1:74:B:GLN:H	1:33:B:THR:HG22	18	0.76
(1,4342)	1:83:B:LEU:HD12	1:86:B:GLY:H	5	0.76
(1,4341)	1:83:A:LEU:HD12	1:86:A:GLY:H	5	0.76
(1,4318)	1:67:B:LEU:HD23	1:63:B:MET:HG3	3	0.76
(1,4316)	1:22:B:GLN:HA	1:26:B:GLY:HA2	8	0.76
(1,4316)	1:22:B:GLN:HA	1:26:B:GLY:HA2	14	0.76
(1,4315)	1:22:A:GLN:HA	1:26:A:GLY:HA2	14	0.76
(1,4274)	1:89:B:MET:HB2	1:81:A:LEU:HD13	3	0.76
(1,4274)	1:89:B:MET:HB2	1:81:A:LEU:HD11	11	0.76
(1,4273)	1:89:A:MET:HB2	1:81:B:LEU:HD11	11	0.76
(1,4253)	1:15:A:GLU:HG2	1:88:B:ALA:HB1	3	0.76
(1,4202)	1:11:B:GLU:HG2	1:8:B:THR:HG21	15	0.76
(1,4201)	1:11:A:GLU:HG2	1:8:A:THR:HG22	11	0.76
(1,4199)	1:42:A:PHE:HA	1:39:A:PHE:HA	3	0.76
(1,4196)	1:52:B:LYS:HD3	1:44:B:ASN:HB3	12	0.76
(1,4171)	1:44:A:ASN:HB2	1:43:A:MET:HB3	18	0.76
(1,4128)	1:95:B:PHE:H	1:98:B:ALA:HB3	14	0.76
(1,4094)	1:38:B:GLU:HB3	1:27:B:LYS:HE3	15	0.76
(1,4072)	1:66:B:LYS:H	1:66:B:LYS:HD3	7	0.76
(1,4071)	1:66:A:LYS:H	1:66:A:LYS:HD3	7	0.76
(1,4066)	1:44:B:ASN:HB3	1:60:B:LEU:HD11	5	0.76
(1,4066)	1:44:B:ASN:HB3	1:60:B:LEU:HD12	8	0.76
(1,4065)	1:44:A:ASN:HB3	1:60:A:LEU:HD11	5	0.76
(1,4050)	1:74:B:GLN:HG3	1:68:B:ASP:HB2	12	0.76
(1,4050)	1:89:B:MET:HB2	1:91:B:CYS:HB2	15	0.76
(1,4049)	1:74:A:GLN:HG3	1:68:A:ASP:HB2	6	0.76
(1,4049)	1:74:A:GLN:HG3	1:68:A:ASP:HB2	12	0.76
(1,4047)	1:74:A:GLN:HB2	1:76:A:ASP:HB3	5	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4010)	1:59:B:VAL:HG21	1:87:B:LEU:HD21	20	0.76
(1,3981)	1:94:A:SER:HA	1:91:A:CYS:HB2	9	0.76
(1,3966)	1:9:B:GLU:HB2	1:12:B:ARG:HD2	12	0.76
(1,3965)	1:9:A:GLU:HB2	1:12:A:ARG:HD2	6	0.76
(1,3936)	1:82:B:ASN:HB3	1:83:B:LEU:HB3	18	0.76
(1,3935)	1:82:A:ASN:HB3	1:83:A:LEU:HB3	18	0.76
(1,3900)	1:34:B:LEU:HB2	1:74:B:GLN:HG2	12	0.76
(1,3898)	1:10:B:THR:HA	1:14:B:ILE:HB	17	0.76
(1,3897)	1:10:A:THR:HA	1:14:A:ILE:HB	19	0.76
(1,3892)	1:34:B:LEU:HD22	1:40:B:LEU:HA	12	0.76
(1,3892)	1:34:B:LEU:HD21	1:40:B:LEU:HA	17	0.76
(1,3892)	1:34:B:LEU:HD21	1:40:B:LEU:HA	18	0.76
(1,3891)	1:34:A:LEU:HD22	1:40:A:LEU:HA	12	0.76
(1,3891)	1:34:A:LEU:HD21	1:40:A:LEU:HA	17	0.76
(1,3872)	1:39:B:PHE:H	1:34:B:LEU:HD12	17	0.76
(1,3863)	1:74:A:GLN:HG3	1:75:A:LEU:HD21	12	0.76
(1,3862)	1:98:B:ALA:HB1	1:96:B:LEU:HD22	10	0.76
(1,3862)	1:98:B:ALA:HB2	1:96:B:LEU:HD12	13	0.76
(1,3861)	1:98:A:ALA:HB1	1:96:A:LEU:HD22	10	0.76
(1,3861)	1:98:A:ALA:HB2	1:96:A:LEU:HD12	13	0.76
(1,3838)	1:33:B:THR:HA	1:34:B:LEU:HG	5	0.76
(1,3837)	1:33:A:THR:HA	1:34:A:LEU:HG	5	0.76
(1,3802)	1:40:B:LEU:HA	1:36:B:LYS:HE2	11	0.76
(1,3785)	1:63:A:MET:HG3	1:61:A:ASP:H	14	0.76
(1,3736)	1:37:B:THR:HB	1:35:B:SER:HA	4	0.76
(1,3735)	1:37:A:THR:HB	1:35:A:SER:HA	4	0.76
(1,3735)	1:37:A:THR:HB	1:35:A:SER:HA	19	0.76
(1,3732)	1:25:B:ALA:HB3	1:35:B:SER:HB2	14	0.76
(1,3716)	1:14:B:ILE:HB	1:87:A:LEU:HD12	15	0.76
(1,3679)	1:33:A:THR:HB	1:34:A:LEU:HG	9	0.76
(1,3667)	1:17:A:LEU:HD12	1:16:A:SER:H	14	0.76
(1,3620)	1:65:B:LYS:HG2	1:61:B:ASP:HB3	16	0.76
(1,3558)	1:68:B:ASP:HA	1:33:B:THR:HG21	19	0.76
(1,3552)	1:47:B:LEU:HB2	1:11:A:GLU:HG3	9	0.76
(1,3552)	1:47:B:LEU:HB2	1:11:A:GLU:HG3	16	0.76
(1,3551)	1:47:A:LEU:HB2	1:11:B:GLU:HG3	16	0.76
(1,3500)	1:29:B:GLY:HA2	1:28:B:ASP:HB2	5	0.76
(1,3499)	1:29:A:GLY:HA2	1:28:A:ASP:HB2	5	0.76
(1,3468)	1:75:B:LEU:HB3	1:33:B:THR:HA	14	0.76
(1,3462)	1:84:B:ILE:HB	1:80:B:PHE:HB3	5	0.76
(1,3461)	1:84:A:ILE:HB	1:80:A:PHE:HB3	5	0.76
(1,3388)	1:17:B:LEU:HD22	1:88:A:ALA:HB3	2	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3387)	1:17:A:LEU:HD22	1:88:B:ALA:HB3	2	0.76
(1,3377)	1:8:A:THR:HG23	1:48:B:ALA:HA	6	0.76
(1,3270)	1:74:B:GLN:H	1:74:B:GLN:HB3	3	0.76
(1,3270)	1:74:B:GLN:H	1:74:B:GLN:HB3	5	0.76
(1,3270)	1:74:B:GLN:H	1:74:B:GLN:HB3	7	0.76
(1,3270)	1:74:B:GLN:H	1:74:B:GLN:HB3	12	0.76
(1,3269)	1:74:A:GLN:H	1:74:A:GLN:HB3	7	0.76
(1,3269)	1:74:A:GLN:H	1:74:A:GLN:HB3	12	0.76
(1,3058)	1:51:B:THR:H	1:51:B:THR:HG23	10	0.76
(1,3058)	1:51:B:THR:H	1:51:B:THR:HG21	16	0.76
(1,3058)	1:51:B:THR:H	1:51:B:THR:HG23	18	0.76
(1,3057)	1:51:A:THR:H	1:51:A:THR:HG23	8	0.76
(1,3057)	1:51:A:THR:H	1:51:A:THR:HG23	10	0.76
(1,3057)	1:51:A:THR:H	1:51:A:THR:HG21	16	0.76
(1,3057)	1:51:A:THR:H	1:51:A:THR:HG23	18	0.76
(1,2674)	1:92:B:HIS:H	1:14:A:ILE:HG21	20	0.76
(1,2636)	1:43:B:MET:H	1:34:B:LEU:HD23	8	0.76
(1,2635)	1:43:A:MET:H	1:34:A:LEU:HD21	2	0.76
(1,2635)	1:43:A:MET:H	1:34:A:LEU:HD23	8	0.76
(1,2506)	1:37:B:THR:H	1:34:B:LEU:HD21	12	0.76
(1,2505)	1:37:A:THR:H	1:34:A:LEU:HD21	12	0.76
(1,2481)	1:78:A:SER:H	1:33:A:THR:HG23	3	0.76
(1,1918)	1:94:B:SER:H	1:93:B:ASP:HB2	5	0.76
(1,1917)	1:94:A:SER:H	1:93:A:ASP:HB2	5	0.76
(1,1768)	1:20:B:VAL:HG12	1:24:B:TYR:H	2	0.76
(1,1767)	1:20:A:VAL:HG12	1:24:A:TYR:H	2	0.76
(1,1606)	1:74:B:GLN:HG3	1:33:B:THR:HG23	1	0.76
(1,1605)	1:74:A:GLN:HG3	1:33:A:THR:HG23	1	0.76
(1,1016)	1:9:B:GLU:HG3	1:13:B:CYS:HB3	5	0.76
(1,1014)	1:62:B:ARG:HB3	1:63:B:MET:HG2	3	0.76
(1,1013)	1:62:A:ARG:HB3	1:63:A:MET:HG2	18	0.76
(1,934)	1:97:B:LYS:HA	1:97:B:LYS:HE3	13	0.76
(1,933)	1:97:A:LYS:HA	1:97:A:LYS:HE3	13	0.76
(1,815)	1:9:A:GLU:HG3	1:10:A:THR:HG22	15	0.76
(1,624)	1:34:B:LEU:HB2	1:38:B:GLU:HB2	6	0.76
(1,623)	1:34:A:LEU:HB2	1:38:A:GLU:HB2	6	0.76
(1,463)	1:68:A:ASP:HB2	1:33:A:THR:HG23	13	0.76
(1,348)	1:75:B:LEU:HD12	1:74:B:GLN:HA	1	0.76
(1,347)	1:75:A:LEU:HD12	1:74:A:GLN:HA	1	0.76
(1,342)	1:69:B:THR:HB	1:75:B:LEU:HD22	4	0.76
(1,302)	1:22:B:GLN:HB2	1:25:B:ALA:HB1	20	0.76
(1,296)	1:58:B:GLY:HA2	1:59:B:VAL:HB	11	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,295)	1:58:A:GLY:HA2	1:59:A:VAL:HB	11	0.76
(1,210)	1:76:B:ASP:HA	1:34:B:LEU:HB3	12	0.76
(1,209)	1:76:A:ASP:HA	1:34:A:LEU:HB3	12	0.76
(1,145)	1:78:A:SER:HB3	1:81:A:LEU:HB3	15	0.76
(1,80)	1:12:B:ARG:HG3	1:17:A:LEU:HD22	18	0.76
(1,79)	1:12:A:ARG:HG3	1:17:B:LEU:HD23	1	0.76
(1,78)	1:12:B:ARG:HG3	1:17:A:LEU:HD22	18	0.76
(1,77)	1:12:A:ARG:HG3	1:17:B:LEU:HD23	1	0.76
(1,13)	1:14:A:ILE:HG23	1:84:B:ILE:HG22	17	0.76
(1,5658)	1:47:B:LEU:H	1:47:B:LEU:HD21	13	0.75
(1,5657)	1:47:A:LEU:H	1:47:A:LEU:HD21	3	0.75
(1,5657)	1:47:A:LEU:H	1:47:A:LEU:HD21	13	0.75
(1,5600)	1:61:B:ASP:H	1:59:B:VAL:HG11	19	0.75
(1,5599)	1:61:A:ASP:H	1:59:A:VAL:HG11	19	0.75
(1,5480)	1:86:B:GLY:H	1:67:B:LEU:HD21	15	0.75
(1,5480)	1:86:B:GLY:H	1:67:B:LEU:HD21	16	0.75
(1,5479)	1:86:A:GLY:H	1:67:A:LEU:HD21	15	0.75
(1,5478)	1:37:B:THR:H	1:40:B:LEU:HD12	18	0.75
(1,5328)	1:99:B:VAL:H	1:96:B:LEU:HD12	13	0.75
(1,5327)	1:99:A:VAL:H	1:96:A:LEU:HD12	13	0.75
(1,5327)	1:99:A:VAL:H	1:96:A:LEU:HD12	18	0.75
(1,5320)	1:77:B:PHE:H	1:78:B:SER:HA	1	0.75
(1,5320)	1:77:B:PHE:H	1:78:B:SER:HA	6	0.75
(1,5320)	1:77:B:PHE:H	1:78:B:SER:HA	9	0.75
(1,5319)	1:77:A:PHE:H	1:78:A:SER:HA	6	0.75
(1,5314)	1:92:B:HIS:H	1:18:A:ILE:HG21	12	0.75
(1,5205)	1:44:A:ASN:H	1:60:A:LEU:HB2	14	0.75
(1,5202)	1:40:B:LEU:H	1:64:B:MET:HG3	20	0.75
(1,5201)	1:40:A:LEU:H	1:64:A:MET:HG3	20	0.75
(1,4782)	1:8:B:THR:HB	1:7:B:PRO:HG2	1	0.75
(1,4781)	1:8:A:THR:HB	1:7:A:PRO:HG2	1	0.75
(1,4757)	1:60:A:LEU:HD11	1:47:A:LEU:H	15	0.75
(1,4756)	1:46:B:GLU:HB2	1:45:B:THR:HG23	16	0.75
(1,4755)	1:46:A:GLU:HB2	1:45:A:THR:HG23	16	0.75
(1,4742)	1:44:B:ASN:HA	1:60:B:LEU:HD12	10	0.75
(1,4741)	1:44:A:ASN:HA	1:60:A:LEU:HD12	10	0.75
(1,4652)	1:37:B:THR:HG22	1:41:B:SER:H	9	0.75
(1,4572)	1:47:B:LEU:HD12	1:39:B:PHE:HA	4	0.75
(1,4571)	1:47:A:LEU:HD12	1:39:A:PHE:HA	4	0.75
(1,4563)	1:48:A:ALA:HB1	1:52:A:LYS:HD3	8	0.75
(1,4550)	1:90:B:ALA:HB3	1:91:B:CYS:HB2	7	0.75
(1,4550)	1:88:B:ALA:HB2	1:91:B:CYS:HB2	15	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4549)	1:88:A:ALA:HB2	1:91:A:CYS:HB2	15	0.75
(1,4516)	1:94:B:SER:HB2	1:95:B:PHE:HB2	5	0.75
(1,4515)	1:94:A:SER:HB2	1:95:A:PHE:HB2	5	0.75
(1,4488)	1:84:B:ILE:HB	1:17:B:LEU:HD23	20	0.75
(1,4487)	1:84:A:ILE:HB	1:17:A:LEU:HD23	20	0.75
(1,4449)	1:45:A:THR:HG21	1:44:A:ASN:HB2	7	0.75
(1,4424)	1:58:B:GLY:HA2	1:57:B:PRO:HG2	20	0.75
(1,4423)	1:58:A:GLY:HA2	1:57:A:PRO:HG2	20	0.75
(1,4394)	1:17:B:LEU:HB2	1:9:A:GLU:HG2	18	0.75
(1,4393)	1:17:A:LEU:HB2	1:9:B:GLU:HG2	1	0.75
(1,4378)	1:20:B:VAL:HG23	1:42:B:PHE:HA	9	0.75
(1,4377)	1:20:A:VAL:HG23	1:42:A:PHE:HA	9	0.75
(1,4342)	1:83:B:LEU:HD12	1:86:B:GLY:H	17	0.75
(1,4341)	1:83:A:LEU:HD12	1:86:A:GLY:H	17	0.75
(1,4318)	1:67:B:LEU:HD21	1:63:B:MET:HG3	1	0.75
(1,4318)	1:67:B:LEU:HD22	1:63:B:MET:HG3	7	0.75
(1,4318)	1:67:B:LEU:HD23	1:63:B:MET:HG3	8	0.75
(1,4317)	1:67:A:LEU:HD21	1:63:A:MET:HG3	1	0.75
(1,4317)	1:67:A:LEU:HD22	1:63:A:MET:HG3	7	0.75
(1,4317)	1:67:A:LEU:HD23	1:63:A:MET:HG3	8	0.75
(1,4315)	1:22:A:GLN:HA	1:26:A:GLY:HA2	8	0.75
(1,4302)	1:34:B:LEU:HD11	1:80:B:PHE:HB3	14	0.75
(1,4301)	1:34:A:LEU:HD11	1:80:A:PHE:HB3	14	0.75
(1,4258)	1:10:B:THR:HA	1:14:B:ILE:HD13	4	0.75
(1,4257)	1:10:A:THR:HA	1:14:A:ILE:HD13	4	0.75
(1,4254)	1:15:B:GLU:HG2	1:88:A:ALA:HB1	12	0.75
(1,4245)	1:100:A:PRO:HB2	1:22:B:GLN:H	9	0.75
(1,4243)	1:91:A:CYS:HA	1:18:B:ILE:HB	5	0.75
(1,4201)	1:11:A:GLU:HG2	1:8:A:THR:HG21	15	0.75
(1,4195)	1:52:A:LYS:HD2	1:44:A:ASN:HB3	10	0.75
(1,4172)	1:44:B:ASN:HB2	1:43:B:MET:HB3	18	0.75
(1,4128)	1:95:B:PHE:H	1:98:B:ALA:HB1	12	0.75
(1,4127)	1:95:A:PHE:H	1:98:A:ALA:HB1	12	0.75
(1,4127)	1:95:A:PHE:H	1:98:A:ALA:HB3	14	0.75
(1,4093)	1:38:A:GLU:HB3	1:27:A:LYS:HE3	15	0.75
(1,4065)	1:44:A:ASN:HB3	1:60:A:LEU:HD12	8	0.75
(1,4050)	1:74:B:GLN:HG3	1:68:B:ASP:HB2	6	0.75
(1,4049)	1:89:A:MET:HB2	1:91:A:CYS:HB2	15	0.75
(1,4048)	1:74:B:GLN:HB2	1:76:B:ASP:HB3	5	0.75
(1,4048)	1:52:B:LYS:HB2	1:53:B:ASN:HB3	19	0.75
(1,4047)	1:52:A:LYS:HB2	1:53:A:ASN:HB3	19	0.75
(1,4014)	1:66:B:LYS:H	1:66:B:LYS:HD3	19	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4013)	1:66:A:LYS:H	1:66:A:LYS:HD3	19	0.75
(1,3966)	1:9:B:GLU:HB2	1:12:B:ARG:HD2	5	0.75
(1,3966)	1:9:B:GLU:HB2	1:12:B:ARG:HD2	6	0.75
(1,3965)	1:9:A:GLU:HB2	1:12:A:ARG:HD2	5	0.75
(1,3956)	1:48:B:ALA:HA	1:50:B:PHE:HB3	4	0.75
(1,3956)	1:48:B:ALA:HA	1:50:B:PHE:HB2	9	0.75
(1,3955)	1:48:A:ALA:HA	1:50:A:PHE:HB3	4	0.75
(1,3955)	1:48:A:ALA:HA	1:50:A:PHE:HB2	9	0.75
(1,3900)	1:34:B:LEU:HB2	1:74:B:GLN:HG2	13	0.75
(1,3899)	1:34:A:LEU:HB2	1:74:A:GLN:HG2	13	0.75
(1,3892)	1:34:B:LEU:HD22	1:40:B:LEU:HA	20	0.75
(1,3891)	1:34:A:LEU:HD21	1:40:A:LEU:HA	18	0.75
(1,3891)	1:34:A:LEU:HD22	1:40:A:LEU:HA	20	0.75
(1,3872)	1:39:B:PHE:H	1:34:B:LEU:HD12	19	0.75
(1,3871)	1:39:A:PHE:H	1:34:A:LEU:HD12	17	0.75
(1,3871)	1:39:A:PHE:H	1:34:A:LEU:HD12	19	0.75
(1,3801)	1:40:A:LEU:HA	1:36:A:LYS:HE2	11	0.75
(1,3780)	1:48:B:ALA:HA	1:50:B:PHE:HB3	17	0.75
(1,3779)	1:48:A:ALA:HA	1:50:A:PHE:HB3	17	0.75
(1,3761)	1:58:A:GLY:HA3	1:62:A:ARG:HG2	3	0.75
(1,3732)	1:25:B:ALA:HB1	1:35:B:SER:HB2	13	0.75
(1,3731)	1:25:A:ALA:HB1	1:35:A:SER:HB2	13	0.75
(1,3731)	1:25:A:ALA:HB3	1:35:A:SER:HB2	14	0.75
(1,3715)	1:14:A:ILE:HB	1:87:B:LEU:HD11	7	0.75
(1,3715)	1:14:A:ILE:HB	1:87:B:LEU:HD11	19	0.75
(1,3670)	1:69:B:THR:HA	1:70:B:ASN:HB2	13	0.75
(1,3669)	1:69:A:THR:HA	1:70:A:ASN:HB2	13	0.75
(1,3668)	1:17:B:LEU:HD11	1:16:B:SER:H	13	0.75
(1,3667)	1:17:A:LEU:HD11	1:16:A:SER:H	13	0.75
(1,3656)	1:48:B:ALA:HB2	1:11:A:GLU:HG3	14	0.75
(1,3655)	1:48:A:ALA:HB2	1:11:B:GLU:HG3	14	0.75
(1,3626)	1:34:B:LEU:HA	1:24:B:TYR:HB2	8	0.75
(1,3625)	1:34:A:LEU:HA	1:24:A:TYR:HB2	8	0.75
(1,3619)	1:65:A:LYS:HG2	1:61:A:ASP:HB3	16	0.75
(1,3606)	1:77:B:PHE:HB3	1:88:A:ALA:HB2	12	0.75
(1,3533)	1:47:A:LEU:HB2	1:11:B:GLU:HG3	9	0.75
(1,3530)	1:34:B:LEU:HB2	1:39:B:PHE:HA	19	0.75
(1,3529)	1:34:A:LEU:HB2	1:39:A:PHE:HA	19	0.75
(1,3500)	1:29:B:GLY:HA2	1:28:B:ASP:HB2	20	0.75
(1,3499)	1:29:A:GLY:HA2	1:28:A:ASP:HB2	16	0.75
(1,3467)	1:75:A:LEU:HB3	1:33:A:THR:HA	14	0.75
(1,3462)	1:84:B:ILE:HB	1:80:B:PHE:HB3	16	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3461)	1:84:A:ILE:HB	1:80:A:PHE:HB3	16	0.75
(1,3458)	1:11:B:GLU:HA	1:12:B:ARG:HD2	4	0.75
(1,3457)	1:11:A:GLU:HA	1:12:A:ARG:HD2	4	0.75
(1,3454)	1:87:B:LEU:HB2	1:89:B:MET:HB2	8	0.75
(1,3453)	1:87:A:LEU:HB2	1:89:A:MET:HB2	8	0.75
(1,3441)	1:69:A:THR:HB	1:66:A:LYS:HG3	3	0.75
(1,3424)	1:60:B:LEU:HB2	1:37:B:THR:HA	13	0.75
(1,3423)	1:60:A:LEU:HB2	1:37:A:THR:HA	13	0.75
(1,3410)	1:100:B:PRO:HB2	1:22:A:GLN:HB3	17	0.75
(1,3358)	1:88:B:ALA:HB1	1:14:A:ILE:HB	14	0.75
(1,3350)	1:14:B:ILE:HD13	1:88:A:ALA:HB1	5	0.75
(1,3349)	1:14:A:ILE:HD13	1:88:B:ALA:HB1	5	0.75
(1,3269)	1:74:A:GLN:H	1:74:A:GLN:HB3	3	0.75
(1,3058)	1:51:B:THR:H	1:51:B:THR:HG23	5	0.75
(1,3058)	1:51:B:THR:H	1:51:B:THR:HG23	6	0.75
(1,3058)	1:51:B:THR:H	1:51:B:THR:HG23	8	0.75
(1,3058)	1:51:B:THR:H	1:51:B:THR:HG23	12	0.75
(1,3057)	1:51:A:THR:H	1:51:A:THR:HG23	5	0.75
(1,3057)	1:51:A:THR:H	1:51:A:THR:HG23	6	0.75
(1,3057)	1:51:A:THR:H	1:51:A:THR:HG23	12	0.75
(1,2760)	1:34:B:LEU:H	1:34:B:LEU:HD23	10	0.75
(1,2759)	1:34:A:LEU:H	1:34:A:LEU:HD23	10	0.75
(1,2696)	1:82:B:ASN:H	1:83:B:LEU:HB2	1	0.75
(1,2696)	1:82:B:ASN:H	1:83:B:LEU:HB2	3	0.75
(1,2696)	1:82:B:ASN:H	1:83:B:LEU:HB2	7	0.75
(1,2696)	1:82:B:ASN:H	1:83:B:LEU:HB2	9	0.75
(1,2695)	1:82:A:ASN:H	1:83:A:LEU:HB2	1	0.75
(1,2695)	1:82:A:ASN:H	1:83:A:LEU:HB2	7	0.75
(1,2695)	1:82:A:ASN:H	1:83:A:LEU:HB2	9	0.75
(1,2674)	1:92:B:HIS:H	1:14:A:ILE:HG22	9	0.75
(1,2674)	1:92:B:HIS:H	1:14:A:ILE:HG21	11	0.75
(1,2673)	1:92:A:HIS:H	1:14:B:ILE:HG21	11	0.75
(1,2673)	1:92:A:HIS:H	1:14:B:ILE:HG21	20	0.75
(1,2482)	1:78:B:SER:H	1:33:B:THR:HG23	3	0.75
(1,1918)	1:94:B:SER:H	1:93:B:ASP:HB2	9	0.75
(1,1605)	1:74:A:GLN:HG3	1:33:A:THR:HG22	5	0.75
(1,1016)	1:9:B:GLU:HG3	1:13:B:CYS:HB3	10	0.75
(1,1015)	1:9:A:GLU:HG3	1:13:A:CYS:HB3	3	0.75
(1,1015)	1:9:A:GLU:HG3	1:13:A:CYS:HB3	5	0.75
(1,1015)	1:9:A:GLU:HG3	1:13:A:CYS:HB3	10	0.75
(1,1014)	1:62:B:ARG:HB3	1:63:B:MET:HG2	15	0.75
(1,1013)	1:62:A:ARG:HB3	1:63:A:MET:HG2	15	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,481)	1:8:A:THR:HA	1:10:A:THR:HG21	7	0.75
(1,476)	1:67:B:LEU:HB3	1:75:B:LEU:HB2	17	0.75
(1,475)	1:67:A:LEU:HB3	1:75:A:LEU:HB2	17	0.75
(1,463)	1:68:A:ASP:HB2	1:33:A:THR:HG22	10	0.75
(1,348)	1:75:B:LEU:HD13	1:74:B:GLN:HA	4	0.75
(1,347)	1:75:A:LEU:HD13	1:74:A:GLN:HA	4	0.75
(1,341)	1:69:A:THR:HB	1:75:A:LEU:HD22	4	0.75
(1,81)	1:22:A:GLN:HB3	1:100:B:PRO:HB2	17	0.75
(1,80)	1:12:B:ARG:HG3	1:17:A:LEU:HD23	1	0.75
(1,80)	1:12:B:ARG:HG3	1:17:A:LEU:HD22	9	0.75
(1,79)	1:12:A:ARG:HG3	1:17:B:LEU:HD22	9	0.75
(1,78)	1:12:B:ARG:HG3	1:17:A:LEU:HD23	1	0.75
(1,78)	1:12:B:ARG:HG3	1:17:A:LEU:HD22	9	0.75
(1,77)	1:12:A:ARG:HG3	1:17:B:LEU:HD22	9	0.75
(1,39)	1:87:A:LEU:HD21	1:14:B:ILE:HD13	5	0.75
(2,154)	1:71:B:SER:H	1:73:B:GLY:HA3	18	0.74
(2,153)	1:71:A:SER:H	1:73:A:GLY:HA3	18	0.74
(1,5590)	1:19:B:ALA:H	1:14:B:ILE:HG23	19	0.74
(1,5589)	1:19:A:ALA:H	1:14:A:ILE:HG23	19	0.74
(1,5536)	1:23:B:LYS:H	1:22:B:GLN:HG2	13	0.74
(1,5535)	1:23:A:LYS:H	1:22:A:GLN:HG2	13	0.74
(1,5480)	1:86:B:GLY:H	1:67:B:LEU:HD22	20	0.74
(1,5479)	1:86:A:GLY:H	1:67:A:LEU:HD21	16	0.74
(1,5479)	1:86:A:GLY:H	1:67:A:LEU:HD22	20	0.74
(1,5477)	1:37:A:THR:H	1:40:A:LEU:HD12	18	0.74
(1,5460)	1:22:B:GLN:H	1:20:B:VAL:HG21	1	0.74
(1,5459)	1:22:A:GLN:H	1:20:A:VAL:HG21	1	0.74
(1,5374)	1:10:B:THR:H	1:47:A:LEU:HD21	8	0.74
(1,5374)	1:10:B:THR:H	1:47:A:LEU:HD22	9	0.74
(1,5320)	1:77:B:PHE:H	1:78:B:SER:HA	14	0.74
(1,5319)	1:77:A:PHE:H	1:78:A:SER:HA	14	0.74
(1,5224)	1:21:B:PHE:H	1:25:B:ALA:HB3	16	0.74
(1,5223)	1:21:A:PHE:H	1:25:A:ALA:HB3	16	0.74
(1,5218)	1:9:B:GLU:H	1:47:A:LEU:HD21	18	0.74
(1,5217)	1:9:A:GLU:H	1:47:B:LEU:HD21	18	0.74
(1,4858)	1:23:B:LYS:HB2	1:23:B:LYS:HE3	12	0.74
(1,4858)	1:23:B:LYS:HB2	1:23:B:LYS:HE3	13	0.74
(1,4857)	1:23:A:LYS:HB2	1:23:A:LYS:HE3	12	0.74
(1,4832)	1:12:B:ARG:HD2	1:9:B:GLU:HA	15	0.74
(1,4831)	1:12:A:ARG:HD2	1:9:A:GLU:HA	15	0.74
(1,4782)	1:8:B:THR:HB	1:7:B:PRO:HG2	9	0.74
(1,4781)	1:8:A:THR:HB	1:7:A:PRO:HG2	9	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4758)	1:60:B:LEU:HD13	1:47:B:LEU:H	11	0.74
(1,4758)	1:60:B:LEU:HD11	1:47:B:LEU:H	15	0.74
(1,4757)	1:60:A:LEU:HD13	1:47:A:LEU:H	11	0.74
(1,4686)	1:20:B:VAL:HG11	1:23:B:LYS:HB2	13	0.74
(1,4685)	1:20:A:VAL:HG11	1:23:A:LYS:HB2	13	0.74
(1,4678)	1:39:B:PHE:HA	1:46:B:GLU:HB2	11	0.74
(1,4677)	1:39:A:PHE:HA	1:46:A:GLU:HB2	11	0.74
(1,4652)	1:37:B:THR:HG21	1:41:B:SER:H	18	0.74
(1,4652)	1:37:B:THR:HG21	1:41:B:SER:H	20	0.74
(1,4651)	1:37:A:THR:HG22	1:41:A:SER:H	9	0.74
(1,4651)	1:37:A:THR:HG21	1:41:A:SER:H	20	0.74
(1,4564)	1:48:B:ALA:HB1	1:52:B:LYS:HD3	8	0.74
(1,4550)	1:88:B:ALA:HB1	1:91:B:CYS:HB2	19	0.74
(1,4549)	1:90:A:ALA:HB3	1:91:A:CYS:HB2	7	0.74
(1,4549)	1:88:A:ALA:HB1	1:91:A:CYS:HB2	19	0.74
(1,4504)	1:24:B:TYR:H	1:34:B:LEU:HD13	2	0.74
(1,4503)	1:24:A:TYR:H	1:34:A:LEU:HD13	2	0.74
(1,4464)	1:83:B:LEU:HD13	1:86:B:GLY:H	8	0.74
(1,4463)	1:83:A:LEU:HD13	1:86:A:GLY:H	8	0.74
(1,4462)	1:100:B:PRO:HD3	1:99:B:VAL:HG22	2	0.74
(1,4462)	1:100:B:PRO:HD3	1:99:B:VAL:HG21	6	0.74
(1,4462)	1:100:B:PRO:HD3	1:99:B:VAL:HG23	9	0.74
(1,4461)	1:100:A:PRO:HD3	1:99:A:VAL:HG22	2	0.74
(1,4461)	1:100:A:PRO:HD3	1:99:A:VAL:HG21	6	0.74
(1,4461)	1:100:A:PRO:HD3	1:99:A:VAL:HG23	9	0.74
(1,4456)	1:57:B:PRO:HA	1:60:B:LEU:HD13	5	0.74
(1,4438)	1:22:B:GLN:HG2	1:25:B:ALA:HB3	2	0.74
(1,4437)	1:22:A:GLN:HG2	1:25:A:ALA:HB3	2	0.74
(1,4424)	1:100:B:PRO:HG2	1:99:B:VAL:HA	11	0.74
(1,4423)	1:100:A:PRO:HG2	1:99:A:VAL:HA	11	0.74
(1,4394)	1:17:B:LEU:HB2	1:9:A:GLU:HG2	1	0.74
(1,4393)	1:17:A:LEU:HB2	1:9:B:GLU:HG2	18	0.74
(1,4385)	1:96:A:LEU:H	1:98:A:ALA:HA	11	0.74
(1,4376)	1:74:B:GLN:H	1:33:B:THR:HG23	17	0.74
(1,4375)	1:74:A:GLN:H	1:33:A:THR:HG23	15	0.74
(1,4375)	1:74:A:GLN:H	1:33:A:THR:HG23	17	0.74
(1,4298)	1:44:B:ASN:HA	1:47:B:LEU:HD13	15	0.74
(1,4297)	1:44:A:ASN:HA	1:47:A:LEU:HD13	15	0.74
(1,4270)	1:25:B:ALA:HB2	1:24:B:TYR:HB2	8	0.74
(1,4269)	1:25:A:ALA:HB2	1:24:A:TYR:HB2	8	0.74
(1,4253)	1:15:A:GLU:HG2	1:88:B:ALA:HB3	2	0.74
(1,4244)	1:91:B:CYS:HA	1:18:A:ILE:HB	5	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4196)	1:52:B:LYS:HD2	1:44:B:ASN:HB3	10	0.74
(1,4186)	1:40:B:LEU:HG	1:42:B:PHE:HB3	4	0.74
(1,4185)	1:40:A:LEU:HG	1:42:A:PHE:HB3	4	0.74
(1,4172)	1:24:B:TYR:HB2	1:27:B:LYS:HD2	2	0.74
(1,4128)	1:95:B:PHE:H	1:98:B:ALA:HB1	6	0.74
(1,4127)	1:95:A:PHE:H	1:98:A:ALA:HB1	6	0.74
(1,4093)	1:38:A:GLU:HB3	1:27:A:LYS:HE2	18	0.74
(1,4062)	1:66:B:LYS:H	1:65:B:LYS:HG2	9	0.74
(1,4061)	1:66:A:LYS:H	1:65:A:LYS:HG2	9	0.74
(1,4014)	1:66:B:LYS:H	1:66:B:LYS:HD3	10	0.74
(1,4014)	1:66:B:LYS:H	1:66:B:LYS:HD3	16	0.74
(1,4013)	1:66:A:LYS:H	1:66:A:LYS:HD3	10	0.74
(1,4013)	1:66:A:LYS:H	1:66:A:LYS:HD3	16	0.74
(1,3984)	1:60:B:LEU:HD12	1:52:B:LYS:H	14	0.74
(1,3983)	1:60:A:LEU:HD12	1:52:A:LYS:H	14	0.74
(1,3926)	1:15:B:GLU:HB3	1:91:A:CYS:HB3	14	0.74
(1,3925)	1:15:A:GLU:HB3	1:91:B:CYS:HB3	14	0.74
(1,3883)	1:89:A:MET:HG3	1:82:B:ASN:H	2	0.74
(1,3864)	1:74:B:GLN:HG2	1:75:B:LEU:HD21	1	0.74
(1,3863)	1:74:A:GLN:HG2	1:75:A:LEU:HD21	1	0.74
(1,3862)	1:98:B:ALA:HB2	1:96:B:LEU:HD21	19	0.74
(1,3861)	1:98:A:ALA:HB2	1:96:A:LEU:HD21	19	0.74
(1,3838)	1:33:B:THR:HA	1:34:B:LEU:HG	19	0.74
(1,3837)	1:33:A:THR:HA	1:34:A:LEU:HG	19	0.74
(1,3790)	1:91:B:CYS:HA	1:18:A:ILE:HG22	19	0.74
(1,3786)	1:89:B:MET:HG3	1:87:B:LEU:H	6	0.74
(1,3785)	1:89:A:MET:HG3	1:87:A:LEU:H	6	0.74
(1,3762)	1:58:B:GLY:HA3	1:62:B:ARG:HG2	3	0.74
(1,3730)	1:18:B:ILE:HG22	1:16:B:SER:HA	4	0.74
(1,3729)	1:18:A:ILE:HG22	1:16:A:SER:HA	4	0.74
(1,3716)	1:14:B:ILE:HB	1:87:A:LEU:HD13	4	0.74
(1,3716)	1:14:B:ILE:HB	1:87:A:LEU:HD13	13	0.74
(1,3670)	1:69:B:THR:HA	1:70:B:ASN:HB2	1	0.74
(1,3669)	1:69:A:THR:HA	1:70:A:ASN:HB2	1	0.74
(1,3668)	1:17:B:LEU:HD12	1:16:B:SER:H	14	0.74
(1,3667)	1:17:A:LEU:HD13	1:16:A:SER:H	19	0.74
(1,3632)	1:97:B:LYS:HG2	1:93:B:ASP:HB3	9	0.74
(1,3631)	1:97:A:LYS:HG2	1:93:A:ASP:HB3	9	0.74
(1,3606)	1:77:B:PHE:HB3	1:88:A:ALA:HB2	3	0.74
(1,3605)	1:77:A:PHE:HB3	1:88:B:ALA:HB2	3	0.74
(1,3605)	1:77:A:PHE:HB3	1:88:B:ALA:HB2	12	0.74
(1,3517)	1:51:A:THR:HB	1:44:A:ASN:HB2	4	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3500)	1:29:B:GLY:HA2	1:28:B:ASP:HB2	16	0.74
(1,3499)	1:29:A:GLY:HA2	1:28:A:ASP:HB2	20	0.74
(1,3482)	1:69:B:THR:HB	1:67:B:LEU:HD21	8	0.74
(1,3481)	1:69:A:THR:HB	1:67:A:LEU:HD21	8	0.74
(1,3454)	1:87:B:LEU:HB2	1:89:B:MET:HB2	16	0.74
(1,3453)	1:87:A:LEU:HB2	1:89:A:MET:HB2	16	0.74
(1,3442)	1:69:B:THR:HB	1:66:B:LYS:HG3	3	0.74
(1,3441)	1:69:A:THR:HB	1:66:A:LYS:HG3	9	0.74
(1,3409)	1:100:A:PRO:HB2	1:22:B:GLN:HB3	17	0.74
(1,3364)	1:81:B:LEU:HD21	1:81:A:LEU:HA	10	0.74
(1,3357)	1:88:A:ALA:HB1	1:14:B:ILE:HB	14	0.74
(1,3270)	1:74:B:GLN:H	1:74:B:GLN:HB3	13	0.74
(1,3270)	1:74:B:GLN:H	1:74:B:GLN:HB3	17	0.74
(1,3269)	1:74:A:GLN:H	1:74:A:GLN:HB3	13	0.74
(1,3269)	1:74:A:GLN:H	1:74:A:GLN:HB3	17	0.74
(1,3058)	1:51:B:THR:H	1:51:B:THR:HG21	1	0.74
(1,3058)	1:51:B:THR:H	1:51:B:THR:HG22	7	0.74
(1,3058)	1:51:B:THR:H	1:51:B:THR:HG22	20	0.74
(1,3057)	1:51:A:THR:H	1:51:A:THR:HG21	1	0.74
(1,3057)	1:51:A:THR:H	1:51:A:THR:HG22	7	0.74
(1,3057)	1:51:A:THR:H	1:51:A:THR:HG22	20	0.74
(1,2760)	1:34:B:LEU:H	1:34:B:LEU:HD22	16	0.74
(1,2759)	1:34:A:LEU:H	1:34:A:LEU:HD22	16	0.74
(1,2696)	1:82:B:ASN:H	1:83:B:LEU:HB2	14	0.74
(1,2696)	1:82:B:ASN:H	1:83:B:LEU:HB2	18	0.74
(1,2696)	1:82:B:ASN:H	1:83:B:LEU:HB2	19	0.74
(1,2695)	1:82:A:ASN:H	1:83:A:LEU:HB2	3	0.74
(1,2695)	1:82:A:ASN:H	1:83:A:LEU:HB2	12	0.74
(1,2695)	1:82:A:ASN:H	1:83:A:LEU:HB2	14	0.74
(1,2695)	1:82:A:ASN:H	1:83:A:LEU:HB2	18	0.74
(1,2695)	1:82:A:ASN:H	1:83:A:LEU:HB2	19	0.74
(1,2636)	1:43:B:MET:H	1:34:B:LEU:HD23	3	0.74
(1,2635)	1:43:A:MET:H	1:34:A:LEU:HD23	3	0.74
(1,1918)	1:94:B:SER:H	1:93:B:ASP:HB2	1	0.74
(1,1918)	1:94:B:SER:H	1:93:B:ASP:HB2	18	0.74
(1,1917)	1:94:A:SER:H	1:93:A:ASP:HB2	1	0.74
(1,1917)	1:94:A:SER:H	1:93:A:ASP:HB2	9	0.74
(1,1917)	1:94:A:SER:H	1:93:A:ASP:HB2	18	0.74
(1,1606)	1:74:B:GLN:HG3	1:33:B:THR:HG22	5	0.74
(1,1016)	1:9:B:GLU:HG3	1:13:B:CYS:HB3	3	0.74
(1,1016)	1:9:B:GLU:HG3	1:13:B:CYS:HB3	11	0.74
(1,1016)	1:9:B:GLU:HG3	1:13:B:CYS:HB3	20	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1015)	1:9:A:GLU:HG3	1:13:A:CYS:HB3	20	0.74
(1,624)	1:34:B:LEU:HB2	1:38:B:GLU:HB2	15	0.74
(1,623)	1:34:A:LEU:HB2	1:38:A:GLU:HB2	15	0.74
(1,482)	1:8:B:THR:HA	1:10:B:THR:HG22	4	0.74
(1,482)	1:8:B:THR:HA	1:10:B:THR:HG21	7	0.74
(1,464)	1:68:B:ASP:HB2	1:33:B:THR:HG22	10	0.74
(1,422)	1:18:B:ILE:HG21	1:95:A:PHE:H	7	0.74
(1,418)	1:69:B:THR:HA	1:75:B:LEU:HD22	4	0.74
(1,417)	1:69:A:THR:HA	1:75:A:LEU:HD23	7	0.74
(1,348)	1:75:B:LEU:HD12	1:74:B:GLN:HA	8	0.74
(1,348)	1:75:B:LEU:HD13	1:74:B:GLN:HA	10	0.74
(1,347)	1:75:A:LEU:HD13	1:74:A:GLN:HA	10	0.74
(1,342)	1:69:B:THR:HB	1:75:B:LEU:HD22	5	0.74
(1,341)	1:69:A:THR:HB	1:75:A:LEU:HD22	3	0.74
(1,341)	1:69:A:THR:HB	1:75:A:LEU:HD22	5	0.74
(1,147)	1:18:A:ILE:HG23	1:92:B:HIS:H	4	0.74
(1,105)	1:102:A:GLN:HG3	1:22:B:GLN:HB3	12	0.74
(1,82)	1:22:B:GLN:HB3	1:100:A:PRO:HB2	17	0.74
(1,40)	1:87:B:LEU:HD21	1:14:A:ILE:HD13	5	0.74
(1,14)	1:14:B:ILE:HG23	1:84:A:ILE:HG22	17	0.74
(2,15)	1:61:A:ASP:HB2	1:62:A:ARG:HD2	1	0.73
(1,5676)	1:61:B:ASP:H	1:60:B:LEU:HG	10	0.73
(1,5675)	1:61:A:ASP:H	1:60:A:LEU:HG	10	0.73
(1,5658)	1:47:B:LEU:H	1:47:B:LEU:HD23	1	0.73
(1,5657)	1:47:A:LEU:H	1:47:A:LEU:HD23	1	0.73
(1,5599)	1:61:A:ASP:H	1:59:A:VAL:HG11	8	0.73
(1,5599)	1:61:A:ASP:H	1:59:A:VAL:HG13	12	0.73
(1,5590)	1:19:B:ALA:H	1:14:B:ILE:HG22	7	0.73
(1,5589)	1:19:A:ALA:H	1:14:A:ILE:HG22	7	0.73
(1,5536)	1:23:B:LYS:H	1:22:B:GLN:HG3	3	0.73
(1,5480)	1:86:B:GLY:H	1:67:B:LEU:HD23	12	0.73
(1,5479)	1:86:A:GLY:H	1:67:A:LEU:HD23	12	0.73
(1,5472)	1:80:B:PHE:H	1:75:B:LEU:HD23	16	0.73
(1,5471)	1:80:A:PHE:H	1:75:A:LEU:HD23	16	0.73
(1,5460)	1:22:B:GLN:H	1:20:B:VAL:HG22	5	0.73
(1,5459)	1:22:A:GLN:H	1:20:A:VAL:HG22	5	0.73
(1,5374)	1:10:B:THR:H	1:47:A:LEU:HD22	7	0.73
(1,5328)	1:99:B:VAL:H	1:96:B:LEU:HD22	1	0.73
(1,5327)	1:99:A:VAL:H	1:96:A:LEU:HD22	1	0.73
(1,5319)	1:77:A:PHE:H	1:78:A:SER:HA	16	0.73
(1,4974)	1:83:B:LEU:HD21	1:80:B:PHE:HA	15	0.73
(1,4973)	1:83:A:LEU:HD21	1:80:A:PHE:HA	15	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4857)	1:23:A:LYS:HB2	1:23:A:LYS:HE3	13	0.73
(1,4756)	1:46:B:GLU:HB2	1:45:B:THR:HG21	1	0.73
(1,4755)	1:46:A:GLU:HB2	1:45:A:THR:HG21	1	0.73
(1,4741)	1:44:A:ASN:HA	1:60:A:LEU:HD13	11	0.73
(1,4686)	1:20:B:VAL:HG13	1:22:B:GLN:HB2	4	0.73
(1,4685)	1:20:A:VAL:HG13	1:22:A:GLN:HB2	4	0.73
(1,4678)	1:39:B:PHE:HA	1:46:B:GLU:HB2	14	0.73
(1,4677)	1:39:A:PHE:HA	1:46:A:GLU:HB2	14	0.73
(1,4651)	1:37:A:THR:HG23	1:41:A:SER:H	7	0.73
(1,4651)	1:37:A:THR:HG21	1:41:A:SER:H	18	0.73
(1,4570)	1:53:B:ASN:H	1:52:B:LYS:HG2	11	0.73
(1,4569)	1:53:A:ASN:H	1:52:A:LYS:HG2	11	0.73
(1,4564)	1:98:B:ALA:HB2	1:97:B:LYS:HB2	7	0.73
(1,4504)	1:24:B:TYR:H	1:34:B:LEU:HD12	12	0.73
(1,4503)	1:24:A:TYR:H	1:34:A:LEU:HD12	12	0.73
(1,4455)	1:57:A:PRO:HA	1:60:A:LEU:HD13	5	0.73
(1,4386)	1:96:B:LEU:H	1:98:B:ALA:HA	11	0.73
(1,4384)	1:11:B:GLU:HB2	1:47:A:LEU:HD21	13	0.73
(1,4378)	1:20:B:VAL:HG21	1:42:B:PHE:HA	15	0.73
(1,4376)	1:74:B:GLN:H	1:33:B:THR:HG23	15	0.73
(1,4302)	1:75:B:LEU:HD13	1:68:B:ASP:HB2	7	0.73
(1,4301)	1:75:A:LEU:HD13	1:68:A:ASP:HB2	7	0.73
(1,4273)	1:89:A:MET:HB2	1:81:B:LEU:HD13	5	0.73
(1,4254)	1:15:B:GLU:HG2	1:88:A:ALA:HB3	2	0.73
(1,4171)	1:24:A:TYR:HB2	1:27:A:LYS:HD2	2	0.73
(1,4134)	1:82:B:ASN:HA	1:81:B:LEU:HD22	8	0.73
(1,4134)	1:82:B:ASN:HA	1:81:B:LEU:HD21	9	0.73
(1,4133)	1:82:A:ASN:HA	1:81:A:LEU:HD22	8	0.73
(1,4133)	1:82:A:ASN:HA	1:81:A:LEU:HD21	9	0.73
(1,4128)	1:95:B:PHE:H	1:98:B:ALA:HB3	3	0.73
(1,4127)	1:95:A:PHE:H	1:98:A:ALA:HB3	3	0.73
(1,4127)	1:95:A:PHE:H	1:98:A:ALA:HB1	7	0.73
(1,4114)	1:18:B:ILE:H	1:17:B:LEU:HD12	4	0.73
(1,4113)	1:18:A:ILE:H	1:17:A:LEU:HD12	4	0.73
(1,4094)	1:38:B:GLU:HB3	1:27:B:LYS:HE2	18	0.73
(1,4060)	1:66:B:LYS:H	1:65:B:LYS:HG2	9	0.73
(1,4059)	1:66:A:LYS:H	1:65:A:LYS:HG2	9	0.73
(1,4058)	1:21:B:PHE:HB2	1:18:B:ILE:HG23	15	0.73
(1,4057)	1:21:A:PHE:HB2	1:18:A:ILE:HG23	15	0.73
(1,4044)	1:57:B:PRO:HG2	1:61:B:ASP:HB2	6	0.73
(1,3956)	1:48:B:ALA:HA	1:50:B:PHE:HB3	6	0.73
(1,3956)	1:48:B:ALA:HA	1:50:B:PHE:HB3	12	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3955)	1:48:A:ALA:HA	1:50:A:PHE:HB3	6	0.73
(1,3955)	1:48:A:ALA:HA	1:50:A:PHE:HB3	12	0.73
(1,3892)	1:34:B:LEU:HD23	1:40:B:LEU:HA	10	0.73
(1,3891)	1:34:A:LEU:HD23	1:40:A:LEU:HA	10	0.73
(1,3884)	1:89:B:MET:HG3	1:82:A:ASN:H	2	0.73
(1,3872)	1:39:B:PHE:H	1:34:B:LEU:HD13	14	0.73
(1,3862)	1:98:B:ALA:HB1	1:96:B:LEU:HD22	2	0.73
(1,3861)	1:98:A:ALA:HB1	1:96:A:LEU:HD22	2	0.73
(1,3790)	1:91:B:CYS:HA	1:18:A:ILE:HG23	9	0.73
(1,3772)	1:75:B:LEU:HD22	1:70:B:ASN:HB3	7	0.73
(1,3771)	1:75:A:LEU:HD22	1:70:A:ASN:HB3	7	0.73
(1,3762)	1:58:B:GLY:HA3	1:62:B:ARG:HG2	2	0.73
(1,3761)	1:58:A:GLY:HA3	1:62:A:ARG:HG2	2	0.73
(1,3736)	1:37:B:THR:HB	1:35:B:SER:HA	1	0.73
(1,3735)	1:37:A:THR:HB	1:35:A:SER:HA	1	0.73
(1,3715)	1:14:A:ILE:HB	1:87:B:LEU:HD13	13	0.73
(1,3704)	1:39:B:PHE:HB2	1:75:B:LEU:HB3	18	0.73
(1,3703)	1:39:A:PHE:HB2	1:75:A:LEU:HB3	18	0.73
(1,3670)	1:69:B:THR:HA	1:70:B:ASN:HB2	6	0.73
(1,3670)	1:69:B:THR:HA	1:70:B:ASN:HB2	16	0.73
(1,3669)	1:69:A:THR:HA	1:70:A:ASN:HB2	6	0.73
(1,3669)	1:69:A:THR:HA	1:70:A:ASN:HB2	16	0.73
(1,3668)	1:17:B:LEU:HD13	1:16:B:SER:H	19	0.73
(1,3667)	1:17:A:LEU:HD13	1:16:A:SER:H	6	0.73
(1,3606)	1:77:B:PHE:HB3	1:88:A:ALA:HB1	20	0.73
(1,3605)	1:77:A:PHE:HB3	1:88:B:ALA:HB1	20	0.73
(1,3562)	1:76:B:ASP:HA	1:34:B:LEU:HD13	5	0.73
(1,3561)	1:76:A:ASP:HA	1:34:A:LEU:HD13	5	0.73
(1,3518)	1:51:B:THR:HB	1:44:B:ASN:HB2	4	0.73
(1,3518)	1:51:B:THR:HB	1:44:B:ASN:HB2	9	0.73
(1,3517)	1:51:A:THR:HB	1:44:A:ASN:HB2	9	0.73
(1,3505)	1:69:A:THR:HB	1:82:A:ASN:HB2	10	0.73
(1,3462)	1:84:B:ILE:HB	1:80:B:PHE:HB3	14	0.73
(1,3461)	1:84:A:ILE:HB	1:80:A:PHE:HB3	14	0.73
(1,3454)	1:87:B:LEU:HB2	1:89:B:MET:HB2	20	0.73
(1,3442)	1:69:B:THR:HB	1:66:B:LYS:HG3	9	0.73
(1,3428)	1:62:B:ARG:HD2	1:59:B:VAL:HG13	9	0.73
(1,3427)	1:62:A:ARG:HD2	1:59:A:VAL:HG13	9	0.73
(1,3392)	1:17:B:LEU:HD11	1:13:A:CYS:HA	6	0.73
(1,3388)	1:17:B:LEU:HD22	1:88:A:ALA:HB2	8	0.73
(1,3387)	1:17:A:LEU:HD22	1:88:B:ALA:HB2	8	0.73
(1,3378)	1:8:B:THR:HG22	1:49:A:ALA:HA	13	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3363)	1:81:A:LEU:HD21	1:81:B:LEU:HA	10	0.73
(1,3358)	1:88:B:ALA:HB1	1:14:A:ILE:HB	1	0.73
(1,3350)	1:14:B:ILE:HD12	1:88:A:ALA:HB3	13	0.73
(1,3270)	1:74:B:GLN:H	1:74:B:GLN:HB3	10	0.73
(1,3270)	1:74:B:GLN:H	1:74:B:GLN:HB3	14	0.73
(1,3270)	1:74:B:GLN:H	1:74:B:GLN:HB3	16	0.73
(1,3269)	1:74:A:GLN:H	1:74:A:GLN:HB3	10	0.73
(1,3269)	1:74:A:GLN:H	1:74:A:GLN:HB3	14	0.73
(1,3269)	1:74:A:GLN:H	1:74:A:GLN:HB3	16	0.73
(1,3269)	1:74:A:GLN:H	1:74:A:GLN:HB3	19	0.73
(1,3058)	1:51:B:THR:H	1:51:B:THR:HG22	11	0.73
(1,3058)	1:51:B:THR:H	1:51:B:THR:HG23	13	0.73
(1,3058)	1:51:B:THR:H	1:51:B:THR:HG23	15	0.73
(1,3058)	1:51:B:THR:H	1:51:B:THR:HG22	17	0.73
(1,3057)	1:51:A:THR:H	1:51:A:THR:HG22	11	0.73
(1,3057)	1:51:A:THR:H	1:51:A:THR:HG23	13	0.73
(1,3057)	1:51:A:THR:H	1:51:A:THR:HG23	15	0.73
(1,3057)	1:51:A:THR:H	1:51:A:THR:HG22	17	0.73
(1,2760)	1:34:B:LEU:H	1:34:B:LEU:HD22	4	0.73
(1,2759)	1:34:A:LEU:H	1:34:A:LEU:HD22	4	0.73
(1,2696)	1:82:B:ASN:H	1:83:B:LEU:HB2	12	0.73
(1,2674)	1:92:B:HIS:H	1:14:A:ILE:HG21	8	0.73
(1,2673)	1:92:A:HIS:H	1:14:B:ILE:HG22	9	0.73
(1,2482)	1:78:B:SER:H	1:33:B:THR:HG21	15	0.73
(1,2481)	1:78:A:SER:H	1:33:A:THR:HG21	15	0.73
(1,1500)	1:18:B:ILE:HG22	1:22:B:GLN:HG3	20	0.73
(1,1499)	1:18:A:ILE:HG22	1:22:A:GLN:HG3	20	0.73
(1,1030)	1:38:B:GLU:HB3	1:24:B:TYR:HB2	12	0.73
(1,1029)	1:38:A:GLU:HB3	1:24:A:TYR:HB2	12	0.73
(1,1015)	1:9:A:GLU:HG3	1:13:A:CYS:HB3	11	0.73
(1,482)	1:8:B:THR:HA	1:10:B:THR:HG22	20	0.73
(1,481)	1:8:A:THR:HA	1:10:A:THR:HG22	4	0.73
(1,481)	1:8:A:THR:HA	1:10:A:THR:HG22	20	0.73
(1,418)	1:69:B:THR:HA	1:75:B:LEU:HD22	3	0.73
(1,418)	1:69:B:THR:HA	1:75:B:LEU:HD23	7	0.73
(1,418)	1:69:B:THR:HA	1:75:B:LEU:HD22	20	0.73
(1,417)	1:69:A:THR:HA	1:75:A:LEU:HD22	3	0.73
(1,417)	1:69:A:THR:HA	1:75:A:LEU:HD22	4	0.73
(1,417)	1:69:A:THR:HA	1:75:A:LEU:HD22	20	0.73
(1,348)	1:75:B:LEU:HD12	1:74:B:GLN:HA	2	0.73
(1,348)	1:75:B:LEU:HD11	1:74:B:GLN:HA	13	0.73
(1,348)	1:75:B:LEU:HD12	1:74:B:GLN:HA	19	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,347)	1:75:A:LEU:HD12	1:74:A:GLN:HA	2	0.73
(1,347)	1:75:A:LEU:HD12	1:74:A:GLN:HA	8	0.73
(1,347)	1:75:A:LEU:HD12	1:74:A:GLN:HA	19	0.73
(1,296)	1:58:B:GLY:HA2	1:59:B:VAL:HB	7	0.73
(1,295)	1:58:A:GLY:HA2	1:59:A:VAL:HB	7	0.73
(1,79)	1:12:A:ARG:HG3	1:17:B:LEU:HD21	4	0.73
(1,77)	1:12:A:ARG:HG3	1:17:B:LEU:HD21	4	0.73
(1,13)	1:14:A:ILE:HG21	1:84:B:ILE:HG22	4	0.73
(2,16)	1:61:B:ASP:HB2	1:62:B:ARG:HD2	1	0.72
(1,5676)	1:61:B:ASP:H	1:60:B:LEU:HG	11	0.72
(1,5675)	1:61:A:ASP:H	1:60:A:LEU:HG	11	0.72
(1,5658)	1:47:B:LEU:H	1:47:B:LEU:HD22	2	0.72
(1,5658)	1:47:B:LEU:H	1:47:B:LEU:HD22	20	0.72
(1,5657)	1:47:A:LEU:H	1:47:A:LEU:HD22	2	0.72
(1,5657)	1:47:A:LEU:H	1:47:A:LEU:HD22	20	0.72
(1,5600)	1:61:B:ASP:H	1:59:B:VAL:HG11	8	0.72
(1,5600)	1:61:B:ASP:H	1:59:B:VAL:HG13	12	0.72
(1,5600)	1:61:B:ASP:H	1:59:B:VAL:HG11	20	0.72
(1,5599)	1:61:A:ASP:H	1:59:A:VAL:HG13	6	0.72
(1,5599)	1:61:A:ASP:H	1:59:A:VAL:HG11	7	0.72
(1,5535)	1:23:A:LYS:H	1:22:A:GLN:HG3	3	0.72
(1,5500)	1:51:B:THR:H	1:49:B:ALA:HB1	3	0.72
(1,5499)	1:51:A:THR:H	1:49:A:ALA:HB1	3	0.72
(1,5486)	1:87:B:LEU:H	1:14:A:ILE:HD13	16	0.72
(1,5373)	1:10:A:THR:H	1:47:B:LEU:HD22	7	0.72
(1,5320)	1:77:B:PHE:H	1:78:B:SER:HA	16	0.72
(1,5314)	1:92:B:HIS:H	1:18:A:ILE:HG21	9	0.72
(1,5202)	1:40:B:LEU:H	1:64:B:MET:HG3	10	0.72
(1,5201)	1:40:A:LEU:H	1:64:A:MET:HG3	10	0.72
(1,4782)	1:8:B:THR:HB	1:7:B:PRO:HG2	12	0.72
(1,4781)	1:8:A:THR:HB	1:7:A:PRO:HG2	12	0.72
(1,4758)	1:60:B:LEU:HD11	1:47:B:LEU:H	13	0.72
(1,4757)	1:60:A:LEU:HD11	1:47:A:LEU:H	13	0.72
(1,4742)	1:44:B:ASN:HA	1:60:B:LEU:HD11	4	0.72
(1,4742)	1:44:B:ASN:HA	1:60:B:LEU:HD13	11	0.72
(1,4741)	1:44:A:ASN:HA	1:60:A:LEU:HD11	4	0.72
(1,4678)	1:36:B:LYS:HA	1:74:B:GLN:HB2	3	0.72
(1,4677)	1:36:A:LYS:HA	1:74:A:GLN:HB2	3	0.72
(1,4670)	1:87:B:LEU:HG	1:47:B:LEU:HD13	18	0.72
(1,4669)	1:87:A:LEU:HG	1:47:A:LEU:HD13	18	0.72
(1,4652)	1:37:B:THR:HG23	1:41:B:SER:H	7	0.72
(1,4604)	1:47:B:LEU:HD12	1:42:B:PHE:HA	19	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4603)	1:47:A:LEU:HD12	1:42:A:PHE:HA	19	0.72
(1,4563)	1:98:A:ALA:HB2	1:97:A:LYS:HB2	7	0.72
(1,4536)	1:64:B:MET:HG3	1:75:B:LEU:HD22	17	0.72
(1,4535)	1:64:A:MET:HG3	1:75:A:LEU:HD22	17	0.72
(1,4488)	1:84:B:ILE:HB	1:17:B:LEU:HD21	11	0.72
(1,4487)	1:84:A:ILE:HB	1:17:A:LEU:HD21	11	0.72
(1,4464)	1:83:B:LEU:HD11	1:86:B:GLY:H	11	0.72
(1,4464)	1:83:B:LEU:HD11	1:86:B:GLY:H	20	0.72
(1,4463)	1:83:A:LEU:HD11	1:86:A:GLY:H	11	0.72
(1,4463)	1:83:A:LEU:HD11	1:86:A:GLY:H	20	0.72
(1,4462)	1:100:B:PRO:HD3	1:99:B:VAL:HG21	5	0.72
(1,4461)	1:100:A:PRO:HD3	1:99:A:VAL:HG21	5	0.72
(1,4383)	1:11:A:GLU:HB2	1:47:B:LEU:HD21	13	0.72
(1,4378)	1:20:B:VAL:HG22	1:42:B:PHE:HA	7	0.72
(1,4377)	1:20:A:VAL:HG22	1:42:A:PHE:HA	7	0.72
(1,4377)	1:20:A:VAL:HG21	1:42:A:PHE:HA	15	0.72
(1,4341)	1:83:A:LEU:HD12	1:86:A:GLY:H	3	0.72
(1,4302)	1:75:B:LEU:HD12	1:68:B:ASP:HB2	9	0.72
(1,4301)	1:34:A:LEU:HD13	1:80:A:PHE:HB3	1	0.72
(1,4301)	1:75:A:LEU:HD12	1:68:A:ASP:HB2	9	0.72
(1,4274)	1:89:B:MET:HB2	1:81:A:LEU:HD13	5	0.72
(1,4270)	1:25:B:ALA:HB1	1:24:B:TYR:HB2	1	0.72
(1,4269)	1:25:A:ALA:HB1	1:24:A:TYR:HB2	1	0.72
(1,4246)	1:89:B:MET:HB2	1:85:B:GLY:H	3	0.72
(1,4245)	1:89:A:MET:HB2	1:85:A:GLY:H	3	0.72
(1,4245)	1:89:A:MET:HB2	1:85:A:GLY:H	16	0.72
(1,4226)	1:65:B:LYS:HA	1:64:B:MET:HA	13	0.72
(1,4225)	1:65:A:LYS:HA	1:64:A:MET:HA	13	0.72
(1,4134)	1:82:B:ASN:HA	1:81:B:LEU:HD22	17	0.72
(1,4134)	1:82:B:ASN:HA	1:81:B:LEU:HD21	20	0.72
(1,4133)	1:82:A:ASN:HA	1:81:A:LEU:HD21	20	0.72
(1,4128)	1:95:B:PHE:H	1:98:B:ALA:HB1	7	0.72
(1,4128)	1:95:B:PHE:H	1:98:B:ALA:HB3	8	0.72
(1,4128)	1:95:B:PHE:H	1:98:B:ALA:HB2	17	0.72
(1,4128)	1:95:B:PHE:H	1:98:B:ALA:HB1	20	0.72
(1,4127)	1:95:A:PHE:H	1:98:A:ALA:HB2	17	0.72
(1,4127)	1:95:A:PHE:H	1:98:A:ALA:HB1	20	0.72
(1,4114)	1:18:B:ILE:H	1:17:B:LEU:HD11	1	0.72
(1,4113)	1:18:A:ILE:H	1:17:A:LEU:HD11	1	0.72
(1,4043)	1:57:A:PRO:HG2	1:61:A:ASP:HB2	6	0.72
(1,4026)	1:60:B:LEU:HD12	1:44:B:ASN:HB2	9	0.72
(1,4025)	1:60:A:LEU:HD12	1:44:A:ASN:HB2	9	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4014)	1:66:B:LYS:H	1:66:B:LYS:HD3	6	0.72
(1,4013)	1:66:A:LYS:H	1:66:A:LYS:HD3	6	0.72
(1,3980)	1:82:B:ASN:HA	1:67:B:LEU:HB3	20	0.72
(1,3958)	1:17:B:LEU:HG	1:16:B:SER:HB3	4	0.72
(1,3958)	1:17:B:LEU:HG	1:16:B:SER:HB3	17	0.72
(1,3957)	1:17:A:LEU:HG	1:16:A:SER:HB3	17	0.72
(1,3956)	1:48:B:ALA:HA	1:50:B:PHE:HB2	5	0.72
(1,3956)	1:48:B:ALA:HA	1:50:B:PHE:HB3	8	0.72
(1,3956)	1:48:B:ALA:HA	1:50:B:PHE:HB3	16	0.72
(1,3955)	1:48:A:ALA:HA	1:50:A:PHE:HB2	5	0.72
(1,3955)	1:48:A:ALA:HA	1:50:A:PHE:HB3	8	0.72
(1,3955)	1:48:A:ALA:HA	1:50:A:PHE:HB3	16	0.72
(1,3942)	1:13:B:CYS:HB2	1:9:B:GLU:HG2	7	0.72
(1,3941)	1:13:A:CYS:HB2	1:9:A:GLU:HG2	7	0.72
(1,3871)	1:39:A:PHE:H	1:34:A:LEU:HD13	14	0.72
(1,3864)	1:74:B:GLN:HG2	1:75:B:LEU:HD21	10	0.72
(1,3864)	1:74:B:GLN:HG2	1:75:B:LEU:HD22	16	0.72
(1,3863)	1:74:A:GLN:HG2	1:75:A:LEU:HD21	10	0.72
(1,3838)	1:33:B:THR:HA	1:34:B:LEU:HG	15	0.72
(1,3838)	1:33:B:THR:HA	1:34:B:LEU:HG	17	0.72
(1,3837)	1:33:A:THR:HA	1:34:A:LEU:HG	15	0.72
(1,3837)	1:33:A:THR:HA	1:34:A:LEU:HG	17	0.72
(1,3802)	1:40:B:LEU:HA	1:36:B:LYS:HE2	20	0.72
(1,3801)	1:40:A:LEU:HA	1:36:A:LYS:HE2	20	0.72
(1,3771)	1:96:A:LEU:HD22	1:93:A:ASP:HB2	20	0.72
(1,3732)	1:25:B:ALA:HB3	1:35:B:SER:HB2	5	0.72
(1,3732)	1:25:B:ALA:HB1	1:35:B:SER:HB2	7	0.72
(1,3731)	1:25:A:ALA:HB3	1:35:A:SER:HB2	5	0.72
(1,3731)	1:25:A:ALA:HB1	1:35:A:SER:HB2	7	0.72
(1,3715)	1:14:A:ILE:HB	1:87:B:LEU:HD13	2	0.72
(1,3715)	1:14:A:ILE:HB	1:87:B:LEU:HD11	17	0.72
(1,3678)	1:74:B:GLN:HG2	1:34:B:LEU:HA	10	0.72
(1,3670)	1:69:B:THR:HA	1:70:B:ASN:HB2	8	0.72
(1,3669)	1:69:A:THR:HA	1:70:A:ASN:HB2	8	0.72
(1,3668)	1:17:B:LEU:HD13	1:16:B:SER:H	6	0.72
(1,3668)	1:17:B:LEU:HD11	1:16:B:SER:H	7	0.72
(1,3667)	1:17:A:LEU:HD11	1:16:A:SER:H	7	0.72
(1,3638)	1:34:B:LEU:HB3	1:24:B:TYR:HB3	18	0.72
(1,3536)	1:18:B:ILE:HB	1:91:A:CYS:HB3	20	0.72
(1,3535)	1:18:A:ILE:HB	1:91:B:CYS:HB3	20	0.72
(1,3534)	1:47:B:LEU:HB2	1:11:A:GLU:HG3	9	0.72
(1,3534)	1:47:B:LEU:HB2	1:11:A:GLU:HG3	16	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3533)	1:47:A:LEU:HB2	1:11:B:GLU:HG3	16	0.72
(1,3516)	1:51:B:THR:HG23	1:50:B:PHE:HB3	1	0.72
(1,3516)	1:51:B:THR:HG22	1:50:B:PHE:HB3	6	0.72
(1,3515)	1:51:A:THR:HG22	1:50:A:PHE:HB3	6	0.72
(1,3506)	1:69:B:THR:HB	1:82:B:ASN:HB2	10	0.72
(1,3466)	1:100:B:PRO:HD2	1:98:B:ALA:HB3	18	0.72
(1,3454)	1:87:B:LEU:HB2	1:89:B:MET:HB2	11	0.72
(1,3454)	1:87:B:LEU:HB2	1:89:B:MET:HB2	14	0.72
(1,3453)	1:87:A:LEU:HB2	1:89:A:MET:HB2	11	0.72
(1,3453)	1:87:A:LEU:HB2	1:89:A:MET:HB2	14	0.72
(1,3453)	1:87:A:LEU:HB2	1:89:A:MET:HB2	20	0.72
(1,3391)	1:17:A:LEU:HD11	1:13:B:CYS:HA	6	0.72
(1,3358)	1:88:B:ALA:HB3	1:14:A:ILE:HB	17	0.72
(1,3357)	1:88:A:ALA:HB1	1:14:B:ILE:HB	1	0.72
(1,3349)	1:14:A:ILE:HD12	1:88:B:ALA:HB3	13	0.72
(1,3270)	1:74:B:GLN:H	1:74:B:GLN:HB3	2	0.72
(1,3270)	1:74:B:GLN:H	1:74:B:GLN:HB3	11	0.72
(1,3270)	1:74:B:GLN:H	1:74:B:GLN:HB3	19	0.72
(1,3269)	1:74:A:GLN:H	1:74:A:GLN:HB3	2	0.72
(1,3269)	1:74:A:GLN:H	1:74:A:GLN:HB3	11	0.72
(1,3058)	1:51:B:THR:H	1:51:B:THR:HG23	2	0.72
(1,3058)	1:51:B:THR:H	1:51:B:THR:HG21	4	0.72
(1,3058)	1:51:B:THR:H	1:51:B:THR:HG21	9	0.72
(1,3058)	1:51:B:THR:H	1:51:B:THR:HG21	14	0.72
(1,3057)	1:51:A:THR:H	1:51:A:THR:HG23	2	0.72
(1,3057)	1:51:A:THR:H	1:51:A:THR:HG21	4	0.72
(1,3057)	1:51:A:THR:H	1:51:A:THR:HG21	9	0.72
(1,3057)	1:51:A:THR:H	1:51:A:THR:HG21	14	0.72
(1,2696)	1:82:B:ASN:H	1:83:B:LEU:HB2	2	0.72
(1,2695)	1:82:A:ASN:H	1:83:A:LEU:HB2	2	0.72
(1,2673)	1:92:A:HIS:H	1:14:B:ILE:HG22	5	0.72
(1,2673)	1:92:A:HIS:H	1:14:B:ILE:HG21	8	0.72
(1,2636)	1:43:B:MET:H	1:34:B:LEU:HD21	15	0.72
(1,2517)	1:41:A:SER:H	1:34:A:LEU:HD22	1	0.72
(1,2506)	1:37:B:THR:H	1:34:B:LEU:HD23	2	0.72
(1,2506)	1:37:B:THR:H	1:34:B:LEU:HD22	4	0.72
(1,2505)	1:37:A:THR:H	1:34:A:LEU:HD23	2	0.72
(1,2505)	1:37:A:THR:H	1:34:A:LEU:HD22	4	0.72
(1,1606)	1:74:B:GLN:HG3	1:33:B:THR:HG23	9	0.72
(1,1605)	1:74:A:GLN:HG3	1:33:A:THR:HG23	9	0.72
(1,1030)	1:38:B:GLU:HB3	1:24:B:TYR:HB2	18	0.72
(1,1029)	1:38:A:GLU:HB3	1:24:A:TYR:HB2	18	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1016)	1:9:B:GLU:HG3	1:13:B:CYS:HB3	8	0.72
(1,1015)	1:9:A:GLU:HG3	1:13:A:CYS:HB3	8	0.72
(1,482)	1:8:B:THR:HA	1:10:B:THR:HG23	10	0.72
(1,481)	1:8:A:THR:HA	1:10:A:THR:HG23	10	0.72
(1,476)	1:67:B:LEU:HB3	1:75:B:LEU:HB2	8	0.72
(1,475)	1:67:A:LEU:HB3	1:75:A:LEU:HB2	8	0.72
(1,348)	1:75:B:LEU:HD11	1:74:B:GLN:HA	11	0.72
(1,347)	1:75:A:LEU:HD11	1:74:A:GLN:HA	11	0.72
(1,347)	1:75:A:LEU:HD11	1:74:A:GLN:HA	13	0.72
(1,342)	1:69:B:THR:HB	1:75:B:LEU:HD22	3	0.72
(1,326)	1:96:B:LEU:HG	1:95:B:PHE:HB3	18	0.72
(1,325)	1:96:A:LEU:HG	1:95:A:PHE:HB2	18	0.72
(1,296)	1:58:B:GLY:HA2	1:59:B:VAL:HB	9	0.72
(1,295)	1:58:A:GLY:HA2	1:59:A:VAL:HB	9	0.72
(1,106)	1:102:B:GLN:HG3	1:22:A:GLN:HB3	12	0.72
(1,80)	1:12:B:ARG:HG3	1:17:A:LEU:HD21	4	0.72
(1,78)	1:12:B:ARG:HG3	1:17:A:LEU:HD21	4	0.72
(1,14)	1:14:B:ILE:HG21	1:84:A:ILE:HG21	3	0.72
(1,14)	1:14:B:ILE:HG21	1:84:A:ILE:HG22	4	0.72
(2,16)	1:61:B:ASP:HB2	1:62:B:ARG:HD2	7	0.71
(2,15)	1:61:A:ASP:HB2	1:62:A:ARG:HD2	7	0.71
(1,5600)	1:61:B:ASP:H	1:59:B:VAL:HG11	1	0.71
(1,5600)	1:61:B:ASP:H	1:59:B:VAL:HG13	6	0.71
(1,5600)	1:61:B:ASP:H	1:59:B:VAL:HG11	7	0.71
(1,5600)	1:61:B:ASP:H	1:59:B:VAL:HG12	15	0.71
(1,5599)	1:61:A:ASP:H	1:59:A:VAL:HG11	1	0.71
(1,5599)	1:61:A:ASP:H	1:59:A:VAL:HG12	4	0.71
(1,5599)	1:61:A:ASP:H	1:59:A:VAL:HG12	15	0.71
(1,5599)	1:61:A:ASP:H	1:59:A:VAL:HG11	20	0.71
(1,5590)	1:19:B:ALA:H	1:14:B:ILE:HG21	18	0.71
(1,5498)	1:76:B:ASP:H	1:77:B:PHE:HB2	20	0.71
(1,5497)	1:76:A:ASP:H	1:77:A:PHE:HB2	20	0.71
(1,5485)	1:87:A:LEU:H	1:14:B:ILE:HD13	16	0.71
(1,5478)	1:37:B:THR:H	1:40:B:LEU:HD11	2	0.71
(1,5478)	1:37:B:THR:H	1:40:B:LEU:HD13	6	0.71
(1,5477)	1:37:A:THR:H	1:40:A:LEU:HD11	2	0.71
(1,5477)	1:37:A:THR:H	1:40:A:LEU:HD13	6	0.71
(1,5306)	1:46:B:GLU:H	1:44:B:ASN:HB3	6	0.71
(1,5305)	1:46:A:GLU:H	1:44:A:ASN:HB3	6	0.71
(1,5205)	1:44:A:ASN:H	1:60:A:LEU:HB2	11	0.71
(1,4790)	1:66:B:LYS:HB3	1:67:B:LEU:HD21	2	0.71
(1,4789)	1:66:A:LYS:HB3	1:67:A:LEU:HD21	2	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4757)	1:60:A:LEU:HD12	1:47:A:LEU:H	20	0.71
(1,4734)	1:8:B:THR:HG21	1:46:A:GLU:HB2	13	0.71
(1,4733)	1:8:A:THR:HG21	1:46:B:GLU:HB2	13	0.71
(1,4628)	1:60:B:LEU:HD21	1:47:B:LEU:H	20	0.71
(1,4627)	1:60:A:LEU:HD21	1:47:A:LEU:H	20	0.71
(1,4618)	1:68:B:ASP:HA	1:74:B:GLN:HB3	13	0.71
(1,4617)	1:68:A:ASP:HA	1:74:A:GLN:HB3	13	0.71
(1,4604)	1:47:B:LEU:HD11	1:42:B:PHE:HA	12	0.71
(1,4603)	1:47:A:LEU:HD11	1:42:A:PHE:HA	12	0.71
(1,4488)	1:84:B:ILE:HB	1:17:B:LEU:HD23	18	0.71
(1,4488)	1:84:B:ILE:HB	1:17:B:LEU:HD22	19	0.71
(1,4487)	1:84:A:ILE:HB	1:17:A:LEU:HD23	18	0.71
(1,4487)	1:84:A:ILE:HB	1:17:A:LEU:HD22	19	0.71
(1,4462)	1:100:B:PRO:HD3	1:99:B:VAL:HG23	19	0.71
(1,4458)	1:18:B:ILE:HG21	1:19:B:ALA:HB1	11	0.71
(1,4458)	1:18:B:ILE:HG22	1:19:B:ALA:HB3	12	0.71
(1,4457)	1:18:A:ILE:HG21	1:19:A:ALA:HB1	11	0.71
(1,4457)	1:18:A:ILE:HG22	1:19:A:ALA:HB3	12	0.71
(1,4342)	1:83:B:LEU:HD11	1:86:B:GLY:H	1	0.71
(1,4342)	1:83:B:LEU:HD12	1:86:B:GLY:H	3	0.71
(1,4341)	1:83:A:LEU:HD11	1:86:A:GLY:H	1	0.71
(1,4302)	1:34:B:LEU:HD13	1:80:B:PHE:HB3	1	0.71
(1,4274)	1:89:B:MET:HB2	1:81:A:LEU:HD12	16	0.71
(1,4274)	1:89:B:MET:HB2	1:81:A:LEU:HD13	18	0.71
(1,4273)	1:89:A:MET:HB2	1:81:B:LEU:HD12	16	0.71
(1,4253)	1:15:A:GLU:HG2	1:88:B:ALA:HB3	20	0.71
(1,4246)	1:89:B:MET:HB2	1:85:B:GLY:H	16	0.71
(1,4226)	1:65:B:LYS:HA	1:64:B:MET:HA	7	0.71
(1,4225)	1:65:A:LYS:HA	1:64:A:MET:HA	7	0.71
(1,4149)	1:13:A:CYS:HB2	1:17:B:LEU:HG	6	0.71
(1,4134)	1:82:B:ASN:HA	1:81:B:LEU:HD21	1	0.71
(1,4134)	1:82:B:ASN:HA	1:81:B:LEU:HD21	13	0.71
(1,4134)	1:82:B:ASN:HA	1:81:B:LEU:HD21	16	0.71
(1,4133)	1:82:A:ASN:HA	1:81:A:LEU:HD21	1	0.71
(1,4133)	1:82:A:ASN:HA	1:81:A:LEU:HD21	13	0.71
(1,4133)	1:82:A:ASN:HA	1:81:A:LEU:HD21	16	0.71
(1,4133)	1:82:A:ASN:HA	1:81:A:LEU:HD22	17	0.71
(1,4127)	1:95:A:PHE:H	1:98:A:ALA:HB3	8	0.71
(1,4057)	1:18:A:ILE:HG23	1:91:B:CYS:HB2	9	0.71
(1,4050)	1:74:B:GLN:HG3	1:68:B:ASP:HB2	9	0.71
(1,4030)	1:73:B:GLY:HA3	1:36:B:LYS:HD3	19	0.71
(1,4024)	1:83:B:LEU:HB3	1:82:B:ASN:HB2	12	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4023)	1:83:A:LEU:HB3	1:82:A:ASN:HB2	12	0.71
(1,4014)	1:66:B:LYS:H	1:66:B:LYS:HD3	2	0.71
(1,4013)	1:66:A:LYS:H	1:66:A:LYS:HD3	2	0.71
(1,3979)	1:82:A:ASN:HA	1:67:A:LEU:HB3	20	0.71
(1,3957)	1:17:A:LEU:HG	1:16:A:SER:HB3	4	0.71
(1,3938)	1:39:B:PHE:HB2	1:36:B:LYS:HG3	9	0.71
(1,3937)	1:39:A:PHE:HB2	1:36:A:LYS:HG3	9	0.71
(1,3900)	1:75:B:LEU:HB2	1:74:B:GLN:HG2	6	0.71
(1,3899)	1:75:A:LEU:HB2	1:74:A:GLN:HG2	6	0.71
(1,3898)	1:10:B:THR:HA	1:14:B:ILE:HB	11	0.71
(1,3897)	1:10:A:THR:HA	1:14:A:ILE:HB	11	0.71
(1,3892)	1:34:B:LEU:HD22	1:40:B:LEU:HA	1	0.71
(1,3892)	1:34:B:LEU:HD23	1:40:B:LEU:HA	5	0.71
(1,3892)	1:34:B:LEU:HD23	1:40:B:LEU:HA	8	0.71
(1,3892)	1:34:B:LEU:HD22	1:43:B:MET:HA	19	0.71
(1,3891)	1:34:A:LEU:HD22	1:40:A:LEU:HA	1	0.71
(1,3891)	1:34:A:LEU:HD23	1:40:A:LEU:HA	5	0.71
(1,3891)	1:34:A:LEU:HD22	1:43:A:MET:HA	19	0.71
(1,3864)	1:74:B:GLN:HG3	1:75:B:LEU:HD23	13	0.71
(1,3863)	1:74:A:GLN:HG3	1:75:A:LEU:HD23	13	0.71
(1,3863)	1:74:A:GLN:HG2	1:75:A:LEU:HD22	16	0.71
(1,3800)	1:47:B:LEU:HA	1:87:B:LEU:HD13	2	0.71
(1,3799)	1:47:A:LEU:HA	1:87:A:LEU:HD13	2	0.71
(1,3789)	1:91:A:CYS:HA	1:18:B:ILE:HG23	12	0.71
(1,3785)	1:89:A:MET:HG3	1:87:A:LEU:H	17	0.71
(1,3780)	1:48:B:ALA:HA	1:50:B:PHE:HB3	2	0.71
(1,3779)	1:48:A:ALA:HA	1:50:A:PHE:HB3	2	0.71
(1,3772)	1:96:B:LEU:HD22	1:93:B:ASP:HB2	20	0.71
(1,3762)	1:58:B:GLY:HA3	1:62:B:ARG:HG2	15	0.71
(1,3761)	1:58:A:GLY:HA3	1:62:A:ARG:HG2	15	0.71
(1,3732)	1:25:B:ALA:HB1	1:35:B:SER:HB2	17	0.71
(1,3716)	1:14:B:ILE:HB	1:87:A:LEU:HD13	2	0.71
(1,3678)	1:74:B:GLN:HG2	1:34:B:LEU:HA	12	0.71
(1,3677)	1:74:A:GLN:HG2	1:34:A:LEU:HA	10	0.71
(1,3677)	1:74:A:GLN:HG2	1:34:A:LEU:HA	12	0.71
(1,3670)	1:69:B:THR:HA	1:70:B:ASN:HB2	7	0.71
(1,3669)	1:69:A:THR:HA	1:70:A:ASN:HB2	7	0.71
(1,3637)	1:34:A:LEU:HB3	1:24:A:TYR:HB3	18	0.71
(1,3620)	1:97:B:LYS:HG2	1:93:B:ASP:HB3	9	0.71
(1,3619)	1:97:A:LYS:HG2	1:93:A:ASP:HB3	9	0.71
(1,3516)	1:51:B:THR:HG22	1:50:B:PHE:HB3	2	0.71
(1,3515)	1:51:A:THR:HG23	1:50:A:PHE:HB3	1	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3515)	1:51:A:THR:HG22	1:50:A:PHE:HB3	2	0.71
(1,3515)	1:51:A:THR:HG21	1:50:A:PHE:HB3	17	0.71
(1,3510)	1:7:B:PRO:HB2	1:12:B:ARG:HD3	13	0.71
(1,3510)	1:7:B:PRO:HB2	1:12:B:ARG:HD2	17	0.71
(1,3509)	1:7:A:PRO:HB2	1:12:A:ARG:HD3	13	0.71
(1,3509)	1:7:A:PRO:HB2	1:12:A:ARG:HD2	17	0.71
(1,3465)	1:100:A:PRO:HD2	1:98:A:ALA:HB3	18	0.71
(1,3454)	1:87:B:LEU:HB2	1:89:B:MET:HB2	12	0.71
(1,3453)	1:87:A:LEU:HB2	1:89:A:MET:HB2	12	0.71
(1,3377)	1:8:A:THR:HG22	1:49:B:ALA:HA	13	0.71
(1,3367)	1:10:A:THR:HG22	1:46:B:GLU:HB3	13	0.71
(1,3357)	1:88:A:ALA:HB3	1:14:B:ILE:HB	13	0.71
(1,3350)	1:14:B:ILE:HD11	1:88:A:ALA:HB1	1	0.71
(1,3349)	1:14:A:ILE:HD11	1:88:B:ALA:HB1	1	0.71
(1,3058)	1:51:B:THR:H	1:51:B:THR:HG21	19	0.71
(1,3057)	1:51:A:THR:H	1:51:A:THR:HG21	19	0.71
(1,2816)	1:11:B:GLU:H	1:8:B:THR:HG23	9	0.71
(1,2816)	1:11:B:GLU:H	1:8:B:THR:HG22	11	0.71
(1,2815)	1:11:A:GLU:H	1:8:A:THR:HG23	9	0.71
(1,2815)	1:11:A:GLU:H	1:8:A:THR:HG22	11	0.71
(1,2760)	1:34:B:LEU:H	1:34:B:LEU:HD22	7	0.71
(1,2759)	1:34:A:LEU:H	1:34:A:LEU:HD22	7	0.71
(1,2696)	1:82:B:ASN:H	1:83:B:LEU:HB2	15	0.71
(1,2674)	1:92:B:HIS:H	1:14:A:ILE:HG22	5	0.71
(1,2674)	1:92:B:HIS:H	1:14:A:ILE:HG23	17	0.71
(1,2673)	1:92:A:HIS:H	1:14:B:ILE:HG22	19	0.71
(1,2635)	1:43:A:MET:H	1:34:A:LEU:HD21	15	0.71
(1,2518)	1:41:B:SER:H	1:34:B:LEU:HD22	1	0.71
(1,2482)	1:78:B:SER:H	1:33:B:THR:HG21	7	0.71
(1,2481)	1:78:A:SER:H	1:33:A:THR:HG21	7	0.71
(1,2332)	1:96:B:LEU:HB2	1:97:B:LYS:HE2	20	0.71
(1,2331)	1:96:A:LEU:HB2	1:97:A:LYS:HE2	20	0.71
(1,2306)	1:96:B:LEU:HB2	1:97:B:LYS:HE2	20	0.71
(1,2305)	1:96:A:LEU:HB2	1:97:A:LYS:HE2	20	0.71
(1,1918)	1:94:B:SER:H	1:93:B:ASP:HB2	16	0.71
(1,1917)	1:94:A:SER:H	1:93:A:ASP:HB2	16	0.71
(1,1500)	1:18:B:ILE:HG21	1:22:B:GLN:HG2	3	0.71
(1,1499)	1:18:A:ILE:HG21	1:22:A:GLN:HG2	3	0.71
(1,1016)	1:9:B:GLU:HG3	1:13:B:CYS:HB3	17	0.71
(1,934)	1:97:B:LYS:HA	1:97:B:LYS:HE3	10	0.71
(1,464)	1:68:B:ASP:HB2	1:33:B:THR:HG21	2	0.71
(1,463)	1:68:A:ASP:HB2	1:33:A:THR:HG21	2	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,463)	1:68:A:ASP:HB2	1:33:A:THR:HG22	16	0.71
(1,421)	1:18:A:ILE:HG21	1:95:B:PHE:H	7	0.71
(1,342)	1:69:B:THR:HB	1:75:B:LEU:HD23	19	0.71
(1,341)	1:69:A:THR:HB	1:75:A:LEU:HD23	19	0.71
(1,296)	1:58:B:GLY:HA2	1:59:B:VAL:HB	6	0.71
(1,296)	1:58:B:GLY:HA2	1:59:B:VAL:HB	14	0.71
(1,296)	1:58:B:GLY:HA2	1:59:B:VAL:HB	15	0.71
(1,296)	1:58:B:GLY:HA2	1:59:B:VAL:HB	16	0.71
(1,295)	1:58:A:GLY:HA2	1:59:A:VAL:HB	6	0.71
(1,295)	1:58:A:GLY:HA2	1:59:A:VAL:HB	16	0.71
(1,210)	1:76:B:ASP:HA	1:34:B:LEU:HB3	16	0.71
(1,209)	1:76:A:ASP:HA	1:34:A:LEU:HB3	16	0.71
(1,148)	1:18:B:ILE:HG23	1:92:A:HIS:H	4	0.71
(1,40)	1:87:B:LEU:HD21	1:14:A:ILE:HD12	11	0.71
(1,39)	1:87:A:LEU:HD21	1:14:B:ILE:HD12	11	0.71
(1,13)	1:14:A:ILE:HG21	1:84:B:ILE:HG21	3	0.71
(1,5658)	1:47:B:LEU:H	1:47:B:LEU:HD23	4	0.7
(1,5658)	1:47:B:LEU:H	1:47:B:LEU:HD22	10	0.7
(1,5657)	1:47:A:LEU:H	1:47:A:LEU:HD23	4	0.7
(1,5657)	1:47:A:LEU:H	1:47:A:LEU:HD22	10	0.7
(1,5600)	1:61:B:ASP:H	1:59:B:VAL:HG12	4	0.7
(1,5600)	1:61:B:ASP:H	1:59:B:VAL:HG12	14	0.7
(1,5599)	1:61:A:ASP:H	1:59:A:VAL:HG12	14	0.7
(1,5589)	1:19:A:ALA:H	1:14:A:ILE:HG21	18	0.7
(1,5586)	1:46:B:GLU:H	1:45:B:THR:HG21	8	0.7
(1,5585)	1:46:A:GLU:H	1:45:A:THR:HG21	8	0.7
(1,5498)	1:76:B:ASP:H	1:77:B:PHE:HB2	12	0.7
(1,5497)	1:76:A:ASP:H	1:77:A:PHE:HB2	12	0.7
(1,5480)	1:86:B:GLY:H	1:67:B:LEU:HD21	14	0.7
(1,5478)	1:37:B:THR:H	1:40:B:LEU:HD11	1	0.7
(1,5460)	1:22:B:GLN:H	1:20:B:VAL:HG23	8	0.7
(1,5460)	1:22:B:GLN:H	1:20:B:VAL:HG23	16	0.7
(1,5459)	1:22:A:GLN:H	1:20:A:VAL:HG23	16	0.7
(1,5440)	1:93:B:ASP:H	1:96:B:LEU:HB2	16	0.7
(1,5439)	1:93:A:ASP:H	1:96:A:LEU:HB2	16	0.7
(1,5313)	1:92:A:HIS:H	1:81:B:LEU:HD12	19	0.7
(1,5296)	1:76:B:ASP:H	1:78:B:SER:HB2	19	0.7
(1,5295)	1:76:A:ASP:H	1:33:A:THR:HB	14	0.7
(1,5295)	1:76:A:ASP:H	1:78:A:SER:HB2	19	0.7
(1,5284)	1:98:B:ALA:H	1:96:B:LEU:HD21	8	0.7
(1,5206)	1:44:B:ASN:H	1:60:B:LEU:HB2	11	0.7
(1,4974)	1:83:B:LEU:HD21	1:80:B:PHE:HA	13	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4973)	1:83:A:LEU:HD21	1:80:A:PHE:HA	13	0.7
(1,4898)	1:88:B:ALA:HB2	1:17:A:LEU:HD12	20	0.7
(1,4897)	1:88:A:ALA:HB2	1:17:B:LEU:HD12	20	0.7
(1,4790)	1:66:B:LYS:HB3	1:67:B:LEU:HD23	13	0.7
(1,4789)	1:66:A:LYS:HB3	1:67:A:LEU:HD23	13	0.7
(1,4782)	1:8:B:THR:HB	1:7:B:PRO:HG2	19	0.7
(1,4781)	1:8:A:THR:HB	1:7:A:PRO:HG2	19	0.7
(1,4758)	1:60:B:LEU:HD12	1:47:B:LEU:H	20	0.7
(1,4696)	1:20:B:VAL:HG12	1:47:B:LEU:HD21	20	0.7
(1,4695)	1:20:A:VAL:HG12	1:47:A:LEU:HD21	20	0.7
(1,4677)	1:39:A:PHE:HA	1:46:A:GLU:HB2	18	0.7
(1,4670)	1:87:B:LEU:HG	1:47:B:LEU:HD13	5	0.7
(1,4669)	1:87:A:LEU:HG	1:47:A:LEU:HD13	5	0.7
(1,4652)	1:37:B:THR:HG21	1:41:B:SER:H	19	0.7
(1,4651)	1:37:A:THR:HG21	1:41:A:SER:H	19	0.7
(1,4627)	1:60:A:LEU:HD22	1:47:A:LEU:H	8	0.7
(1,4572)	1:47:B:LEU:HD11	1:39:B:PHE:HA	3	0.7
(1,4571)	1:47:A:LEU:HD11	1:39:A:PHE:HA	3	0.7
(1,4504)	1:24:B:TYR:H	1:34:B:LEU:HD11	19	0.7
(1,4503)	1:24:A:TYR:H	1:34:A:LEU:HD11	19	0.7
(1,4488)	1:84:B:ILE:HB	1:17:B:LEU:HD22	2	0.7
(1,4488)	1:84:B:ILE:HB	1:17:B:LEU:HD22	4	0.7
(1,4487)	1:84:A:ILE:HB	1:17:A:LEU:HD22	2	0.7
(1,4487)	1:84:A:ILE:HB	1:17:A:LEU:HD22	4	0.7
(1,4464)	1:83:B:LEU:HD12	1:86:B:GLY:H	4	0.7
(1,4463)	1:83:A:LEU:HD12	1:86:A:GLY:H	4	0.7
(1,4461)	1:100:A:PRO:HD3	1:99:A:VAL:HG23	19	0.7
(1,4386)	1:96:B:LEU:H	1:98:B:ALA:HA	9	0.7
(1,4386)	1:96:B:LEU:H	1:98:B:ALA:HA	16	0.7
(1,4385)	1:96:A:LEU:H	1:98:A:ALA:HA	9	0.7
(1,4385)	1:96:A:LEU:H	1:98:A:ALA:HA	16	0.7
(1,4342)	1:83:B:LEU:HD11	1:86:B:GLY:H	13	0.7
(1,4341)	1:83:A:LEU:HD11	1:86:A:GLY:H	13	0.7
(1,4318)	1:67:B:LEU:HD23	1:63:B:MET:HG3	4	0.7
(1,4317)	1:67:A:LEU:HD23	1:63:A:MET:HG3	4	0.7
(1,4298)	1:44:B:ASN:HA	1:47:B:LEU:HD11	12	0.7
(1,4297)	1:44:A:ASN:HA	1:47:A:LEU:HD11	12	0.7
(1,4273)	1:89:A:MET:HB2	1:81:B:LEU:HD11	7	0.7
(1,4273)	1:89:A:MET:HB2	1:81:B:LEU:HD13	18	0.7
(1,4254)	1:15:B:GLU:HG2	1:88:A:ALA:HB3	20	0.7
(1,4246)	1:100:B:PRO:HB2	1:22:A:GLN:H	9	0.7
(1,4226)	1:65:B:LYS:HA	1:64:B:MET:HA	6	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4226)	1:65:B:LYS:HA	1:64:B:MET:HA	18	0.7
(1,4225)	1:65:A:LYS:HA	1:64:A:MET:HA	6	0.7
(1,4225)	1:65:A:LYS:HA	1:64:A:MET:HA	18	0.7
(1,4172)	1:24:B:TYR:HB2	1:27:B:LYS:HD2	10	0.7
(1,4150)	1:13:B:CYS:HB2	1:17:A:LEU:HG	6	0.7
(1,4134)	1:82:B:ASN:HA	1:81:B:LEU:HD22	3	0.7
(1,4134)	1:82:B:ASN:HA	1:81:B:LEU:HD22	5	0.7
(1,4134)	1:82:B:ASN:HA	1:81:B:LEU:HD22	11	0.7
(1,4133)	1:82:A:ASN:HA	1:81:A:LEU:HD22	3	0.7
(1,4133)	1:82:A:ASN:HA	1:81:A:LEU:HD22	11	0.7
(1,4128)	1:95:B:PHE:H	1:98:B:ALA:HB1	10	0.7
(1,4127)	1:95:A:PHE:H	1:98:A:ALA:HB1	10	0.7
(1,4049)	1:74:A:GLN:HG3	1:68:A:ASP:HB2	9	0.7
(1,4029)	1:73:A:GLY:HA3	1:36:A:LYS:HD3	19	0.7
(1,4024)	1:83:B:LEU:HB3	1:82:B:ASN:HB2	10	0.7
(1,4023)	1:83:A:LEU:HB3	1:82:A:ASN:HB2	10	0.7
(1,4018)	1:60:B:LEU:HD12	1:44:B:ASN:HB2	9	0.7
(1,4017)	1:60:A:LEU:HD12	1:44:A:ASN:HB2	9	0.7
(1,4014)	1:98:B:ALA:H	1:97:B:LYS:HD2	8	0.7
(1,4013)	1:66:A:LYS:H	1:66:A:LYS:HD3	8	0.7
(1,3930)	1:74:B:GLN:HA	1:34:B:LEU:HB3	6	0.7
(1,3929)	1:74:A:GLN:HA	1:34:A:LEU:HB3	6	0.7
(1,3892)	1:34:B:LEU:HD21	1:43:B:MET:HA	13	0.7
(1,3891)	1:34:A:LEU:HD23	1:40:A:LEU:HA	8	0.7
(1,3891)	1:34:A:LEU:HD21	1:43:A:MET:HA	13	0.7
(1,3862)	1:98:B:ALA:HB2	1:96:B:LEU:HD21	17	0.7
(1,3861)	1:98:A:ALA:HB2	1:96:A:LEU:HD22	9	0.7
(1,3861)	1:98:A:ALA:HB2	1:96:A:LEU:HD21	17	0.7
(1,3790)	1:91:B:CYS:HA	1:18:A:ILE:HG23	12	0.7
(1,3786)	1:89:B:MET:HG3	1:87:B:LEU:H	17	0.7
(1,3785)	1:63:A:MET:HG3	1:61:A:ASP:H	4	0.7
(1,3780)	1:48:B:ALA:HA	1:50:B:PHE:HB3	7	0.7
(1,3780)	1:48:B:ALA:HA	1:50:B:PHE:HB3	19	0.7
(1,3779)	1:48:A:ALA:HA	1:50:A:PHE:HB3	7	0.7
(1,3779)	1:48:A:ALA:HA	1:50:A:PHE:HB3	19	0.7
(1,3761)	1:58:A:GLY:HA3	1:62:A:ARG:HG2	18	0.7
(1,3757)	1:40:A:LEU:HA	1:36:A:LYS:HE2	9	0.7
(1,3731)	1:25:A:ALA:HB1	1:35:A:SER:HB2	17	0.7
(1,3716)	1:14:B:ILE:HB	1:87:A:LEU:HD12	9	0.7
(1,3704)	1:39:B:PHE:HB2	1:36:B:LYS:HG3	8	0.7
(1,3703)	1:39:A:PHE:HB2	1:36:A:LYS:HG3	8	0.7
(1,3680)	1:33:B:THR:HB	1:34:B:LEU:HG	6	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3680)	1:33:B:THR:HB	1:34:B:LEU:HG	14	0.7
(1,3679)	1:33:A:THR:HB	1:34:A:LEU:HG	6	0.7
(1,3679)	1:33:A:THR:HB	1:34:A:LEU:HG	14	0.7
(1,3668)	1:17:B:LEU:HD13	1:16:B:SER:H	10	0.7
(1,3667)	1:17:A:LEU:HD13	1:16:A:SER:H	10	0.7
(1,3667)	1:17:A:LEU:HD13	1:16:A:SER:H	18	0.7
(1,3655)	1:48:A:ALA:HB3	1:11:B:GLU:HG3	9	0.7
(1,3626)	1:34:B:LEU:HA	1:24:B:TYR:HB2	5	0.7
(1,3625)	1:34:A:LEU:HA	1:24:A:TYR:HB2	5	0.7
(1,3608)	1:37:B:THR:HG22	1:39:B:PHE:H	17	0.7
(1,3607)	1:37:A:THR:HG22	1:39:A:PHE:H	17	0.7
(1,3606)	1:77:B:PHE:HB3	1:88:A:ALA:HB3	15	0.7
(1,3605)	1:77:A:PHE:HB3	1:88:B:ALA:HB3	15	0.7
(1,3516)	1:51:B:THR:HG21	1:50:B:PHE:HB3	17	0.7
(1,3515)	1:51:A:THR:HG23	1:50:A:PHE:HB3	14	0.7
(1,3442)	1:69:B:THR:HB	1:66:B:LYS:HG2	19	0.7
(1,3390)	1:17:B:LEU:HD21	1:17:A:LEU:HD13	3	0.7
(1,3390)	1:17:B:LEU:HD21	1:17:A:LEU:HD13	20	0.7
(1,3389)	1:17:A:LEU:HD21	1:17:B:LEU:HD13	3	0.7
(1,3389)	1:17:A:LEU:HD21	1:17:B:LEU:HD13	20	0.7
(1,3368)	1:10:B:THR:HG22	1:46:A:GLU:HB3	13	0.7
(1,3358)	1:88:B:ALA:HB3	1:14:A:ILE:HB	12	0.7
(1,3358)	1:88:B:ALA:HB3	1:14:A:ILE:HB	13	0.7
(1,3102)	1:9:B:GLU:H	1:8:B:THR:HG22	19	0.7
(1,3101)	1:9:A:GLU:H	1:8:A:THR:HG22	19	0.7
(1,3058)	1:51:B:THR:H	1:51:B:THR:HG23	3	0.7
(1,3057)	1:51:A:THR:H	1:51:A:THR:HG23	3	0.7
(1,2760)	1:34:B:LEU:H	1:34:B:LEU:HD23	2	0.7
(1,2760)	1:34:B:LEU:H	1:34:B:LEU:HD23	11	0.7
(1,2759)	1:34:A:LEU:H	1:34:A:LEU:HD23	2	0.7
(1,2759)	1:34:A:LEU:H	1:34:A:LEU:HD23	11	0.7
(1,2695)	1:82:A:ASN:H	1:83:A:LEU:HB2	15	0.7
(1,2674)	1:92:B:HIS:H	1:14:A:ILE:HG23	2	0.7
(1,2673)	1:92:A:HIS:H	1:14:B:ILE:HG23	2	0.7
(1,2673)	1:92:A:HIS:H	1:14:B:ILE:HG23	17	0.7
(1,2554)	1:38:B:GLU:H	1:40:B:LEU:HD22	1	0.7
(1,2554)	1:38:B:GLU:H	1:40:B:LEU:HD22	3	0.7
(1,2553)	1:38:A:GLU:H	1:40:A:LEU:HD22	1	0.7
(1,2553)	1:38:A:GLU:H	1:40:A:LEU:HD22	6	0.7
(1,1799)	1:66:A:LYS:HE2	1:63:A:MET:HG3	13	0.7
(1,1176)	1:44:B:ASN:HB3	1:45:B:THR:HG21	7	0.7
(1,1060)	1:16:B:SER:HB3	1:19:B:ALA:HB3	4	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1059)	1:16:A:SER:HB3	1:19:A:ALA:HB3	4	0.7
(1,1015)	1:9:A:GLU:HG3	1:13:A:CYS:HB3	17	0.7
(1,949)	1:94:A:SER:HB2	1:91:A:CYS:HB2	16	0.7
(1,933)	1:97:A:LYS:HA	1:97:A:LYS:HE3	10	0.7
(1,464)	1:68:B:ASP:HB2	1:33:B:THR:HG22	16	0.7
(1,348)	1:75:B:LEU:HD13	1:74:B:GLN:HA	5	0.7
(1,348)	1:75:B:LEU:HD13	1:74:B:GLN:HA	12	0.7
(1,347)	1:75:A:LEU:HD13	1:74:A:GLN:HA	5	0.7
(1,347)	1:75:A:LEU:HD13	1:74:A:GLN:HA	12	0.7
(1,320)	1:74:B:GLN:HB3	1:76:B:ASP:HB3	6	0.7
(1,319)	1:74:A:GLN:HB3	1:76:A:ASP:HB3	6	0.7
(1,296)	1:58:B:GLY:HA2	1:59:B:VAL:HB	17	0.7
(1,296)	1:58:B:GLY:HA2	1:59:B:VAL:HB	20	0.7
(1,295)	1:58:A:GLY:HA2	1:59:A:VAL:HB	10	0.7
(1,295)	1:58:A:GLY:HA2	1:59:A:VAL:HB	14	0.7
(1,295)	1:58:A:GLY:HA2	1:59:A:VAL:HB	15	0.7
(1,295)	1:58:A:GLY:HA2	1:59:A:VAL:HB	19	0.7
(1,295)	1:58:A:GLY:HA2	1:59:A:VAL:HB	20	0.7
(1,14)	1:14:B:ILE:HG21	1:84:A:ILE:HG21	11	0.7
(1,13)	1:14:A:ILE:HG21	1:84:B:ILE:HG21	11	0.7
(1,12)	1:18:B:ILE:HG23	1:94:A:SER:HB3	14	0.7
(2,15)	1:61:A:ASP:HB2	1:62:A:ARG:HD2	11	0.69
(1,5676)	1:61:B:ASP:H	1:60:B:LEU:HG	12	0.69
(1,5675)	1:61:A:ASP:H	1:60:A:LEU:HG	12	0.69
(1,5600)	1:61:B:ASP:H	1:59:B:VAL:HG13	2	0.69
(1,5599)	1:61:A:ASP:H	1:59:A:VAL:HG13	2	0.69
(1,5512)	1:42:B:PHE:H	1:27:B:LYS:HD2	13	0.69
(1,5511)	1:42:A:PHE:H	1:27:A:LYS:HD2	13	0.69
(1,5479)	1:86:A:GLY:H	1:67:A:LEU:HD21	14	0.69
(1,5477)	1:37:A:THR:H	1:40:A:LEU:HD11	1	0.69
(1,5459)	1:22:A:GLN:H	1:20:A:VAL:HG23	8	0.69
(1,5440)	1:93:B:ASP:H	1:96:B:LEU:HB2	10	0.69
(1,5439)	1:93:A:ASP:H	1:96:A:LEU:HB2	10	0.69
(1,5296)	1:76:B:ASP:H	1:33:B:THR:HB	14	0.69
(1,5283)	1:98:A:ALA:H	1:96:A:LEU:HD21	8	0.69
(1,5224)	1:21:B:PHE:H	1:81:B:LEU:HD23	19	0.69
(1,5223)	1:21:A:PHE:H	1:81:A:LEU:HD23	19	0.69
(1,4974)	1:83:B:LEU:HD22	1:80:B:PHE:HA	4	0.69
(1,4973)	1:83:A:LEU:HD22	1:80:A:PHE:HA	4	0.69
(1,4790)	1:66:B:LYS:HB3	1:67:B:LEU:HD22	19	0.69
(1,4789)	1:66:A:LYS:HB3	1:67:A:LEU:HD22	19	0.69
(1,4758)	1:60:B:LEU:HD11	1:47:B:LEU:H	12	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4742)	1:44:B:ASN:HA	1:60:B:LEU:HD11	15	0.69
(1,4741)	1:44:A:ASN:HA	1:60:A:LEU:HD11	15	0.69
(1,4678)	1:39:B:PHE:HA	1:46:B:GLU:HB2	18	0.69
(1,4628)	1:60:B:LEU:HD22	1:47:B:LEU:H	8	0.69
(1,4618)	1:68:B:ASP:HA	1:74:B:GLN:HB3	18	0.69
(1,4617)	1:68:A:ASP:HA	1:74:A:GLN:HB3	18	0.69
(1,4572)	1:47:B:LEU:HD13	1:39:B:PHE:HA	2	0.69
(1,4571)	1:47:A:LEU:HD13	1:39:A:PHE:HA	2	0.69
(1,4550)	1:88:B:ALA:HB2	1:91:B:CYS:HB2	14	0.69
(1,4549)	1:88:A:ALA:HB2	1:91:A:CYS:HB2	14	0.69
(1,4456)	1:57:B:PRO:HA	1:60:B:LEU:HD12	13	0.69
(1,4455)	1:57:A:PRO:HA	1:60:A:LEU:HD12	13	0.69
(1,4438)	1:22:B:GLN:HG2	1:25:B:ALA:HB1	5	0.69
(1,4437)	1:22:A:GLN:HG2	1:25:A:ALA:HB1	5	0.69
(1,4407)	1:91:A:CYS:HA	1:90:A:ALA:HB1	14	0.69
(1,4386)	1:96:B:LEU:H	1:98:B:ALA:HA	20	0.69
(1,4328)	1:15:B:GLU:HG3	1:88:A:ALA:HB3	10	0.69
(1,4318)	1:67:B:LEU:HD23	1:63:B:MET:HG3	5	0.69
(1,4318)	1:67:B:LEU:HD22	1:63:B:MET:HG3	10	0.69
(1,4317)	1:67:A:LEU:HD23	1:63:A:MET:HG3	5	0.69
(1,4317)	1:67:A:LEU:HD22	1:63:A:MET:HG3	10	0.69
(1,4316)	1:22:B:GLN:HA	1:26:B:GLY:HA2	15	0.69
(1,4315)	1:22:A:GLN:HA	1:26:A:GLY:HA2	15	0.69
(1,4302)	1:34:B:LEU:HD12	1:80:B:PHE:HB3	3	0.69
(1,4301)	1:34:A:LEU:HD12	1:80:A:PHE:HB3	3	0.69
(1,4274)	1:89:B:MET:HB2	1:81:A:LEU:HD11	7	0.69
(1,4270)	1:25:B:ALA:HB2	1:24:B:TYR:HB2	14	0.69
(1,4269)	1:25:A:ALA:HB2	1:24:A:TYR:HB2	14	0.69
(1,4226)	1:65:B:LYS:HA	1:64:B:MET:HA	3	0.69
(1,4225)	1:65:A:LYS:HA	1:64:A:MET:HA	3	0.69
(1,4202)	1:11:B:GLU:HG2	1:8:B:THR:HG23	1	0.69
(1,4171)	1:24:A:TYR:HB2	1:27:A:LYS:HD2	10	0.69
(1,4133)	1:82:A:ASN:HA	1:81:A:LEU:HD22	5	0.69
(1,4128)	1:95:B:PHE:H	1:98:B:ALA:HB3	11	0.69
(1,4128)	1:95:B:PHE:H	1:98:B:ALA:HB1	15	0.69
(1,4128)	1:95:B:PHE:H	1:98:B:ALA:HB2	19	0.69
(1,4127)	1:95:A:PHE:H	1:98:A:ALA:HB3	11	0.69
(1,4127)	1:95:A:PHE:H	1:98:A:ALA:HB1	15	0.69
(1,4127)	1:95:A:PHE:H	1:98:A:ALA:HB2	19	0.69
(1,4114)	1:18:B:ILE:H	1:17:B:LEU:HD12	20	0.69
(1,4113)	1:18:A:ILE:H	1:17:A:LEU:HD12	20	0.69
(1,4104)	1:42:B:PHE:HA	1:20:B:VAL:HB	12	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4047)	1:52:A:LYS:HB2	1:53:A:ASN:HB3	11	0.69
(1,3942)	1:13:B:CYS:HB2	1:9:B:GLU:HG3	1	0.69
(1,3892)	1:34:B:LEU:HD22	1:40:B:LEU:HA	14	0.69
(1,3891)	1:34:A:LEU:HD22	1:40:A:LEU:HA	14	0.69
(1,3863)	1:74:A:GLN:HG3	1:75:A:LEU:HD22	6	0.69
(1,3862)	1:98:B:ALA:HB2	1:96:B:LEU:HD22	9	0.69
(1,3808)	1:37:B:THR:HB	1:36:B:LYS:H	19	0.69
(1,3807)	1:37:A:THR:HB	1:36:A:LYS:H	19	0.69
(1,3786)	1:63:B:MET:HG3	1:61:B:ASP:H	4	0.69
(1,3772)	1:75:B:LEU:HD22	1:82:B:ASN:HB3	3	0.69
(1,3771)	1:75:A:LEU:HD22	1:82:A:ASN:HB3	3	0.69
(1,3762)	1:58:B:GLY:HA3	1:62:B:ARG:HG2	18	0.69
(1,3758)	1:40:B:LEU:HA	1:36:B:LYS:HE2	9	0.69
(1,3730)	1:18:B:ILE:HG21	1:95:A:PHE:HA	7	0.69
(1,3678)	1:74:B:GLN:HG2	1:34:B:LEU:HA	19	0.69
(1,3677)	1:74:A:GLN:HG2	1:34:A:LEU:HA	19	0.69
(1,3670)	1:69:B:THR:HA	1:70:B:ASN:HB2	14	0.69
(1,3669)	1:69:A:THR:HA	1:70:A:ASN:HB2	14	0.69
(1,3668)	1:17:B:LEU:HD13	1:16:B:SER:H	18	0.69
(1,3596)	1:13:B:CYS:HB2	1:20:A:VAL:HG13	6	0.69
(1,3595)	1:13:A:CYS:HB2	1:20:B:VAL:HG13	6	0.69
(1,3536)	1:18:B:ILE:HB	1:91:A:CYS:HB2	3	0.69
(1,3516)	1:51:B:THR:HG23	1:50:B:PHE:HB3	14	0.69
(1,3500)	1:29:B:GLY:HA2	1:28:B:ASP:HB2	2	0.69
(1,3499)	1:29:A:GLY:HA2	1:28:A:ASP:HB2	2	0.69
(1,3499)	1:29:A:GLY:HA2	1:28:A:ASP:HB2	17	0.69
(1,3481)	1:69:A:THR:HB	1:67:A:LEU:HD22	14	0.69
(1,3454)	1:87:B:LEU:HB2	1:89:B:MET:HB2	17	0.69
(1,3453)	1:87:A:LEU:HB2	1:89:A:MET:HB2	17	0.69
(1,3441)	1:69:A:THR:HB	1:66:A:LYS:HG2	19	0.69
(1,3390)	1:17:B:LEU:HD21	1:17:A:LEU:HD12	15	0.69
(1,3357)	1:88:A:ALA:HB2	1:14:B:ILE:HB	7	0.69
(1,3357)	1:88:A:ALA:HB3	1:14:B:ILE:HB	12	0.69
(1,3357)	1:88:A:ALA:HB3	1:14:B:ILE:HB	17	0.69
(1,2815)	1:11:A:GLU:H	1:8:A:THR:HG22	2	0.69
(1,2696)	1:82:B:ASN:H	1:83:B:LEU:HB2	4	0.69
(1,2695)	1:82:A:ASN:H	1:83:A:LEU:HB2	4	0.69
(1,2674)	1:92:B:HIS:H	1:14:A:ILE:HG21	7	0.69
(1,2674)	1:92:B:HIS:H	1:14:A:ILE:HG22	19	0.69
(1,2673)	1:92:A:HIS:H	1:14:B:ILE:HG21	7	0.69
(1,2554)	1:38:B:GLU:H	1:40:B:LEU:HD22	6	0.69
(1,2553)	1:38:A:GLU:H	1:40:A:LEU:HD22	3	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2505)	1:37:A:THR:H	1:34:A:LEU:HD22	3	0.69
(1,1918)	1:94:B:SER:H	1:93:B:ASP:HB2	15	0.69
(1,1917)	1:94:A:SER:H	1:93:A:ASP:HB2	15	0.69
(1,1800)	1:66:B:LYS:HE2	1:63:B:MET:HG3	13	0.69
(1,1637)	1:38:A:GLU:HA	1:27:A:LYS:HD3	18	0.69
(1,1606)	1:74:B:GLN:HG3	1:33:B:THR:HG21	12	0.69
(1,1605)	1:74:A:GLN:HG3	1:33:A:THR:HG21	12	0.69
(1,1198)	1:97:B:LYS:HB2	1:97:B:LYS:HE2	9	0.69
(1,1197)	1:97:A:LYS:HB2	1:97:A:LYS:HE2	9	0.69
(1,1175)	1:44:A:ASN:HB3	1:45:A:THR:HG21	7	0.69
(1,950)	1:94:B:SER:HB2	1:91:B:CYS:HB2	16	0.69
(1,816)	1:9:B:GLU:HG3	1:10:B:THR:HG22	14	0.69
(1,815)	1:9:A:GLU:HG3	1:10:A:THR:HG22	14	0.69
(1,476)	1:67:B:LEU:HB3	1:75:B:LEU:HB2	2	0.69
(1,475)	1:67:A:LEU:HB3	1:75:A:LEU:HB2	2	0.69
(1,422)	1:18:B:ILE:HG22	1:95:A:PHE:H	5	0.69
(1,421)	1:18:A:ILE:HG22	1:95:B:PHE:H	5	0.69
(1,296)	1:58:B:GLY:HA2	1:59:B:VAL:HB	1	0.69
(1,296)	1:58:B:GLY:HA2	1:59:B:VAL:HB	4	0.69
(1,296)	1:58:B:GLY:HA2	1:59:B:VAL:HB	10	0.69
(1,296)	1:58:B:GLY:HA2	1:59:B:VAL:HB	19	0.69
(1,295)	1:58:A:GLY:HA2	1:59:A:VAL:HB	1	0.69
(1,295)	1:58:A:GLY:HA2	1:59:A:VAL:HB	17	0.69
(1,39)	1:87:A:LEU:HD21	1:14:B:ILE:HD13	9	0.69
(1,11)	1:18:A:ILE:HG23	1:94:B:SER:HB3	14	0.69
(2,86)	1:42:B:PHE:HB2	1:47:B:LEU:H	9	0.68
(2,85)	1:42:A:PHE:HB2	1:47:A:LEU:H	9	0.68
(2,16)	1:61:B:ASP:HB2	1:62:B:ARG:HD2	11	0.68
(2,15)	1:61:A:ASP:HB2	1:62:A:ARG:HD2	16	0.68
(1,5703)	1:81:A:LEU:H	1:81:A:LEU:HD12	6	0.68
(1,5676)	1:61:B:ASP:H	1:60:B:LEU:HG	5	0.68
(1,5675)	1:61:A:ASP:H	1:60:A:LEU:HG	5	0.68
(1,5599)	1:61:A:ASP:H	1:59:A:VAL:HG11	5	0.68
(1,5586)	1:46:B:GLU:H	1:45:B:THR:HG22	10	0.68
(1,5585)	1:46:A:GLU:H	1:45:A:THR:HG21	3	0.68
(1,5480)	1:86:B:GLY:H	1:67:B:LEU:HD21	6	0.68
(1,5479)	1:86:A:GLY:H	1:67:A:LEU:HD21	6	0.68
(1,5460)	1:22:B:GLN:H	1:20:B:VAL:HG23	13	0.68
(1,5460)	1:22:B:GLN:H	1:20:B:VAL:HG22	14	0.68
(1,5459)	1:22:A:GLN:H	1:20:A:VAL:HG22	14	0.68
(1,5320)	1:77:B:PHE:H	1:78:B:SER:HA	13	0.68
(1,5319)	1:77:A:PHE:H	1:78:A:SER:HA	13	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5319)	1:77:A:PHE:H	1:78:A:SER:HB3	18	0.68
(1,5314)	1:92:B:HIS:H	1:18:A:ILE:HG22	19	0.68
(1,5224)	1:21:B:PHE:H	1:25:B:ALA:HB1	4	0.68
(1,5224)	1:21:B:PHE:H	1:25:B:ALA:HB1	8	0.68
(1,5224)	1:21:B:PHE:H	1:25:B:ALA:HB1	9	0.68
(1,5223)	1:21:A:PHE:H	1:25:A:ALA:HB1	4	0.68
(1,5223)	1:21:A:PHE:H	1:25:A:ALA:HB1	8	0.68
(1,5223)	1:21:A:PHE:H	1:25:A:ALA:HB1	9	0.68
(1,4757)	1:60:A:LEU:HD11	1:47:A:LEU:H	12	0.68
(1,4717)	1:87:A:LEU:HD21	1:14:B:ILE:HB	5	0.68
(1,4696)	1:20:B:VAL:HG11	1:47:B:LEU:HD21	8	0.68
(1,4695)	1:20:A:VAL:HG11	1:47:A:LEU:HD21	8	0.68
(1,4685)	1:20:A:VAL:HG12	1:23:A:LYS:HB2	19	0.68
(1,4652)	1:37:B:THR:HG23	1:41:B:SER:H	8	0.68
(1,4651)	1:37:A:THR:HG23	1:41:A:SER:H	8	0.68
(1,4618)	1:68:B:ASP:HA	1:74:B:GLN:HB3	5	0.68
(1,4536)	1:64:B:MET:HG3	1:75:B:LEU:HD23	8	0.68
(1,4535)	1:64:A:MET:HG3	1:75:A:LEU:HD23	8	0.68
(1,4515)	1:94:A:SER:HB2	1:95:A:PHE:HB2	1	0.68
(1,4503)	1:24:A:TYR:H	1:34:A:LEU:HD13	16	0.68
(1,4461)	1:100:A:PRO:HD3	1:99:A:VAL:HG22	10	0.68
(1,4438)	1:22:B:GLN:HG2	1:25:B:ALA:HB3	1	0.68
(1,4438)	1:22:B:GLN:HG2	1:25:B:ALA:HB1	10	0.68
(1,4437)	1:22:A:GLN:HG2	1:25:A:ALA:HB3	1	0.68
(1,4437)	1:22:A:GLN:HG2	1:25:A:ALA:HB1	10	0.68
(1,4424)	1:58:B:GLY:HA2	1:57:B:PRO:HG2	12	0.68
(1,4408)	1:91:B:CYS:HA	1:90:B:ALA:HB1	14	0.68
(1,4385)	1:96:A:LEU:H	1:98:A:ALA:HA	20	0.68
(1,4376)	1:74:B:GLN:H	1:33:B:THR:HG22	4	0.68
(1,4375)	1:74:A:GLN:H	1:33:A:THR:HG22	2	0.68
(1,4375)	1:74:A:GLN:H	1:33:A:THR:HG22	4	0.68
(1,4327)	1:15:A:GLU:HG3	1:88:B:ALA:HB3	10	0.68
(1,4302)	1:34:B:LEU:HD13	1:80:B:PHE:HB3	6	0.68
(1,4301)	1:34:A:LEU:HD13	1:80:A:PHE:HB3	6	0.68
(1,4274)	1:89:B:MET:HB2	1:81:A:LEU:HD12	6	0.68
(1,4202)	1:11:B:GLU:HG2	1:8:B:THR:HG21	4	0.68
(1,4201)	1:11:A:GLU:HG2	1:8:A:THR:HG23	1	0.68
(1,4201)	1:11:A:GLU:HG2	1:8:A:THR:HG21	4	0.68
(1,4201)	1:11:A:GLU:HG2	1:8:A:THR:HG23	10	0.68
(1,4200)	1:42:B:PHE:HA	1:39:B:PHE:HA	1	0.68
(1,4199)	1:42:A:PHE:HA	1:39:A:PHE:HA	1	0.68
(1,4134)	1:82:B:ASN:HA	1:81:B:LEU:HD22	7	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4133)	1:82:A:ASN:HA	1:81:A:LEU:HD22	7	0.68
(1,4120)	1:46:B:GLU:HB3	1:87:B:LEU:HD13	12	0.68
(1,4119)	1:46:A:GLU:HB3	1:87:A:LEU:HD13	12	0.68
(1,4114)	1:18:B:ILE:H	1:17:B:LEU:HD12	9	0.68
(1,4113)	1:18:A:ILE:H	1:17:A:LEU:HD12	9	0.68
(1,4103)	1:42:A:PHE:HA	1:20:A:VAL:HB	12	0.68
(1,4062)	1:66:B:LYS:H	1:65:B:LYS:HG2	4	0.68
(1,4048)	1:52:B:LYS:HB2	1:53:B:ASN:HB3	11	0.68
(1,4044)	1:57:B:PRO:HG2	1:61:B:ASP:HB2	4	0.68
(1,4043)	1:57:A:PRO:HG2	1:61:A:ASP:HB2	4	0.68
(1,4024)	1:83:B:LEU:HB3	1:82:B:ASN:HB2	4	0.68
(1,4023)	1:83:A:LEU:HB3	1:82:A:ASN:HB2	4	0.68
(1,3958)	1:17:B:LEU:HG	1:16:B:SER:HB3	8	0.68
(1,3957)	1:17:A:LEU:HG	1:16:A:SER:HB3	8	0.68
(1,3942)	1:13:B:CYS:HB2	1:9:B:GLU:HG2	18	0.68
(1,3941)	1:13:A:CYS:HB2	1:9:A:GLU:HG3	1	0.68
(1,3900)	1:34:B:LEU:HB2	1:74:B:GLN:HG2	19	0.68
(1,3899)	1:34:A:LEU:HB2	1:74:A:GLN:HG2	19	0.68
(1,3864)	1:74:B:GLN:HG3	1:75:B:LEU:HD22	6	0.68
(1,3862)	1:98:B:ALA:HB1	1:96:B:LEU:HD23	20	0.68
(1,3845)	1:8:A:THR:HA	1:12:A:ARG:HG2	5	0.68
(1,3838)	1:33:B:THR:HA	1:34:B:LEU:HG	1	0.68
(1,3837)	1:33:A:THR:HA	1:34:A:LEU:HG	1	0.68
(1,3808)	1:37:B:THR:HB	1:39:B:PHE:H	10	0.68
(1,3808)	1:37:B:THR:HB	1:39:B:PHE:H	16	0.68
(1,3807)	1:37:A:THR:HB	1:39:A:PHE:H	10	0.68
(1,3794)	1:74:B:GLN:HA	1:64:B:MET:HG3	6	0.68
(1,3793)	1:74:A:GLN:HA	1:64:A:MET:HG3	6	0.68
(1,3780)	1:48:B:ALA:HA	1:50:B:PHE:HB3	14	0.68
(1,3779)	1:48:A:ALA:HA	1:50:A:PHE:HB3	14	0.68
(1,3762)	1:58:B:GLY:HA3	1:62:B:ARG:HG2	5	0.68
(1,3761)	1:58:A:GLY:HA3	1:62:A:ARG:HG2	5	0.68
(1,3730)	1:18:B:ILE:HG23	1:95:A:PHE:HA	3	0.68
(1,3729)	1:18:A:ILE:HG21	1:95:B:PHE:HA	7	0.68
(1,3716)	1:14:B:ILE:HB	1:87:A:LEU:HD11	17	0.68
(1,3691)	1:13:A:CYS:HB2	1:17:B:LEU:HB3	6	0.68
(1,3684)	1:66:B:LYS:HB3	1:64:B:MET:HA	20	0.68
(1,3683)	1:66:A:LYS:HB3	1:64:A:MET:HA	20	0.68
(1,3680)	1:33:B:THR:HB	1:34:B:LEU:HG	19	0.68
(1,3679)	1:33:A:THR:HB	1:34:A:LEU:HG	19	0.68
(1,3670)	1:69:B:THR:HA	1:70:B:ASN:HB2	2	0.68
(1,3670)	1:69:B:THR:HA	1:70:B:ASN:HB2	11	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3669)	1:69:A:THR:HA	1:70:A:ASN:HB2	2	0.68
(1,3669)	1:69:A:THR:HA	1:70:A:ASN:HB2	11	0.68
(1,3668)	1:17:B:LEU:HD11	1:16:B:SER:H	11	0.68
(1,3667)	1:17:A:LEU:HD11	1:16:A:SER:H	8	0.68
(1,3667)	1:17:A:LEU:HD11	1:16:A:SER:H	11	0.68
(1,3607)	1:37:A:THR:HG21	1:39:A:PHE:H	11	0.68
(1,3562)	1:76:B:ASP:HA	1:34:B:LEU:HD11	12	0.68
(1,3561)	1:76:A:ASP:HA	1:34:A:LEU:HD11	12	0.68
(1,3500)	1:29:B:GLY:HA2	1:28:B:ASP:HB2	17	0.68
(1,3482)	1:69:B:THR:HB	1:67:B:LEU:HD22	14	0.68
(1,3474)	1:17:B:LEU:HG	1:21:B:PHE:H	10	0.68
(1,3473)	1:17:A:LEU:HG	1:21:A:PHE:H	10	0.68
(1,3462)	1:84:B:ILE:HB	1:80:B:PHE:HB3	2	0.68
(1,3462)	1:84:B:ILE:HB	1:80:B:PHE:HB3	12	0.68
(1,3461)	1:84:A:ILE:HB	1:80:A:PHE:HB3	2	0.68
(1,3461)	1:84:A:ILE:HB	1:80:A:PHE:HB3	12	0.68
(1,3412)	1:22:B:GLN:HG2	1:102:A:GLN:HG3	4	0.68
(1,3389)	1:17:A:LEU:HD21	1:17:B:LEU:HD12	15	0.68
(1,3381)	1:87:A:LEU:HD21	1:14:B:ILE:HB	5	0.68
(1,3102)	1:9:B:GLU:H	1:8:B:THR:HG22	16	0.68
(1,3101)	1:9:A:GLU:H	1:8:A:THR:HG22	16	0.68
(1,2816)	1:11:B:GLU:H	1:8:B:THR:HG22	2	0.68
(1,2760)	1:34:B:LEU:H	1:34:B:LEU:HD21	14	0.68
(1,2759)	1:34:A:LEU:H	1:34:A:LEU:HD21	14	0.68
(1,2696)	1:82:B:ASN:H	1:83:B:LEU:HB2	16	0.68
(1,2696)	1:82:B:ASN:H	1:83:B:LEU:HB2	20	0.68
(1,2695)	1:82:A:ASN:H	1:83:A:LEU:HB2	16	0.68
(1,2695)	1:82:A:ASN:H	1:83:A:LEU:HB2	20	0.68
(1,2554)	1:38:B:GLU:H	1:40:B:LEU:HD22	8	0.68
(1,2554)	1:38:B:GLU:H	1:40:B:LEU:HD22	9	0.68
(1,2553)	1:38:A:GLU:H	1:40:A:LEU:HD22	8	0.68
(1,2553)	1:38:A:GLU:H	1:40:A:LEU:HD22	9	0.68
(1,2506)	1:37:B:THR:H	1:34:B:LEU:HD22	3	0.68
(1,1918)	1:94:B:SER:H	1:93:B:ASP:HB2	3	0.68
(1,1917)	1:94:A:SER:H	1:93:A:ASP:HB2	3	0.68
(1,1740)	1:23:B:LYS:HE2	1:8:A:THR:HB	15	0.68
(1,1638)	1:38:B:GLU:HA	1:27:B:LYS:HD3	18	0.68
(1,1500)	1:18:B:ILE:HG21	1:22:B:GLN:HG3	18	0.68
(1,1499)	1:18:A:ILE:HG21	1:22:A:GLN:HG3	18	0.68
(1,1296)	1:48:B:ALA:HB2	1:52:B:LYS:HE2	6	0.68
(1,1030)	1:38:B:GLU:HB3	1:24:B:TYR:HB2	4	0.68
(1,1030)	1:38:B:GLU:HB3	1:24:B:TYR:HB2	16	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1029)	1:38:A:GLU:HB3	1:24:A:TYR:HB2	4	0.68
(1,1029)	1:38:A:GLU:HB3	1:24:A:TYR:HB2	16	0.68
(1,302)	1:22:B:GLN:HB3	1:25:B:ALA:HB3	12	0.68
(1,301)	1:22:A:GLN:HB3	1:25:A:ALA:HB3	12	0.68
(1,296)	1:58:B:GLY:HA2	1:59:B:VAL:HB	18	0.68
(1,295)	1:58:A:GLY:HA2	1:59:A:VAL:HB	4	0.68
(1,295)	1:58:A:GLY:HA2	1:59:A:VAL:HB	18	0.68
(1,218)	1:18:B:ILE:HA	1:95:A:PHE:HB3	10	0.68
(1,217)	1:18:A:ILE:HA	1:95:B:PHE:HB3	10	0.68
(1,146)	1:78:B:SER:HB3	1:81:B:LEU:HB3	19	0.68
(1,145)	1:78:A:SER:HB3	1:81:A:LEU:HB3	19	0.68
(1,80)	1:12:B:ARG:HG3	1:17:A:LEU:HD22	12	0.68
(1,79)	1:12:A:ARG:HG3	1:17:B:LEU:HD22	12	0.68
(1,78)	1:12:B:ARG:HG3	1:17:A:LEU:HD22	12	0.68
(1,77)	1:12:A:ARG:HG3	1:17:B:LEU:HD22	12	0.68
(1,40)	1:87:B:LEU:HD21	1:14:A:ILE:HD13	2	0.68
(1,40)	1:87:B:LEU:HD21	1:14:A:ILE:HD13	9	0.68
(1,40)	1:87:B:LEU:HD23	1:14:A:ILE:HD12	10	0.68
(1,39)	1:87:A:LEU:HD23	1:14:B:ILE:HD12	10	0.68
(2,16)	1:61:B:ASP:HB2	1:62:B:ARG:HD2	16	0.67
(1,5704)	1:81:B:LEU:H	1:81:B:LEU:HD12	6	0.67
(1,5622)	1:47:B:LEU:H	1:48:B:ALA:HB3	13	0.67
(1,5621)	1:47:A:LEU:H	1:48:A:ALA:HB3	13	0.67
(1,5600)	1:61:B:ASP:H	1:59:B:VAL:HG11	5	0.67
(1,5600)	1:61:B:ASP:H	1:59:B:VAL:HG11	16	0.67
(1,5599)	1:61:A:ASP:H	1:59:A:VAL:HG11	16	0.67
(1,5599)	1:61:A:ASP:H	1:59:A:VAL:HG12	18	0.67
(1,5586)	1:46:B:GLU:H	1:45:B:THR:HG21	1	0.67
(1,5586)	1:46:B:GLU:H	1:45:B:THR:HG21	2	0.67
(1,5586)	1:46:B:GLU:H	1:45:B:THR:HG21	3	0.67
(1,5586)	1:46:B:GLU:H	1:45:B:THR:HG23	16	0.67
(1,5585)	1:46:A:GLU:H	1:45:A:THR:HG21	1	0.67
(1,5585)	1:46:A:GLU:H	1:45:A:THR:HG21	2	0.67
(1,5585)	1:46:A:GLU:H	1:45:A:THR:HG22	10	0.67
(1,5585)	1:46:A:GLU:H	1:45:A:THR:HG23	16	0.67
(1,5536)	1:23:B:LYS:H	1:22:B:GLN:HG2	19	0.67
(1,5535)	1:23:A:LYS:H	1:22:A:GLN:HG2	19	0.67
(1,5486)	1:87:B:LEU:H	1:14:A:ILE:HD11	6	0.67
(1,5480)	1:86:B:GLY:H	1:67:B:LEU:HD23	3	0.67
(1,5479)	1:86:A:GLY:H	1:67:A:LEU:HD23	3	0.67
(1,5460)	1:22:B:GLN:H	1:20:B:VAL:HG21	3	0.67
(1,5459)	1:22:A:GLN:H	1:20:A:VAL:HG21	3	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5459)	1:22:A:GLN:H	1:20:A:VAL:HG23	13	0.67
(1,5374)	1:10:B:THR:H	1:47:A:LEU:HD21	20	0.67
(1,5373)	1:10:A:THR:H	1:47:B:LEU:HD23	14	0.67
(1,5320)	1:77:B:PHE:H	1:78:B:SER:HB3	18	0.67
(1,5305)	1:46:A:GLU:H	1:44:A:ASN:HB3	14	0.67
(1,5224)	1:21:B:PHE:H	1:25:B:ALA:HB1	2	0.67
(1,5223)	1:21:A:PHE:H	1:25:A:ALA:HB1	2	0.67
(1,4903)	1:82:A:ASN:HB2	1:80:A:PHE:HB3	15	0.67
(1,4857)	1:23:A:LYS:HB2	1:23:A:LYS:HE3	20	0.67
(1,4832)	1:12:B:ARG:HD2	1:9:B:GLU:HA	19	0.67
(1,4724)	1:17:B:LEU:HG	1:15:B:GLU:HB2	16	0.67
(1,4723)	1:17:A:LEU:HG	1:15:A:GLU:HB2	16	0.67
(1,4718)	1:87:B:LEU:HD21	1:14:A:ILE:HB	5	0.67
(1,4686)	1:20:B:VAL:HG12	1:23:B:LYS:HB2	19	0.67
(1,4628)	1:60:B:LEU:HD22	1:47:B:LEU:H	19	0.67
(1,4627)	1:60:A:LEU:HD22	1:47:A:LEU:H	19	0.67
(1,4617)	1:68:A:ASP:HA	1:74:A:GLN:HB3	5	0.67
(1,4600)	1:43:B:MET:H	1:60:B:LEU:HD11	11	0.67
(1,4599)	1:43:A:MET:H	1:60:A:LEU:HD11	11	0.67
(1,4572)	1:44:B:ASN:HA	1:47:B:LEU:HD11	7	0.67
(1,4571)	1:44:A:ASN:HA	1:47:A:LEU:HD11	7	0.67
(1,4550)	1:88:B:ALA:HB1	1:91:B:CYS:HB2	17	0.67
(1,4549)	1:88:A:ALA:HB1	1:91:A:CYS:HB2	17	0.67
(1,4535)	1:64:A:MET:HG3	1:75:A:LEU:HD23	1	0.67
(1,4516)	1:94:B:SER:HB2	1:95:B:PHE:HB2	1	0.67
(1,4516)	1:94:B:SER:HB3	1:95:B:PHE:HB2	11	0.67
(1,4515)	1:94:A:SER:HB3	1:95:A:PHE:HB2	11	0.67
(1,4504)	1:24:B:TYR:H	1:34:B:LEU:HD13	16	0.67
(1,4503)	1:24:A:TYR:H	1:34:A:LEU:HD11	5	0.67
(1,4462)	1:100:B:PRO:HD3	1:99:B:VAL:HG22	7	0.67
(1,4462)	1:100:B:PRO:HD3	1:99:B:VAL:HG22	10	0.67
(1,4461)	1:100:A:PRO:HD3	1:99:A:VAL:HG22	7	0.67
(1,4423)	1:58:A:GLY:HA2	1:57:A:PRO:HG2	12	0.67
(1,4386)	1:96:B:LEU:H	1:98:B:ALA:HA	1	0.67
(1,4386)	1:96:B:LEU:H	1:98:B:ALA:HA	10	0.67
(1,4386)	1:96:B:LEU:H	1:98:B:ALA:HA	14	0.67
(1,4386)	1:96:B:LEU:H	1:98:B:ALA:HA	15	0.67
(1,4385)	1:96:A:LEU:H	1:98:A:ALA:HA	1	0.67
(1,4385)	1:96:A:LEU:H	1:98:A:ALA:HA	10	0.67
(1,4385)	1:96:A:LEU:H	1:98:A:ALA:HA	14	0.67
(1,4385)	1:96:A:LEU:H	1:98:A:ALA:HA	15	0.67
(1,4384)	1:11:B:GLU:HB3	1:14:B:ILE:HD12	18	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4383)	1:11:A:GLU:HB3	1:14:A:ILE:HD12	18	0.67
(1,4376)	1:74:B:GLN:H	1:33:B:THR:HG22	2	0.67
(1,4347)	1:82:A:ASN:HB2	1:80:A:PHE:HB3	15	0.67
(1,4341)	1:83:A:LEU:HD13	1:86:A:GLY:H	18	0.67
(1,4298)	1:44:B:ASN:HA	1:47:B:LEU:HD11	6	0.67
(1,4298)	1:44:B:ASN:HA	1:47:B:LEU:HD11	7	0.67
(1,4297)	1:44:A:ASN:HA	1:47:A:LEU:HD11	6	0.67
(1,4297)	1:44:A:ASN:HA	1:47:A:LEU:HD11	7	0.67
(1,4297)	1:44:A:ASN:HA	1:47:A:LEU:HD11	17	0.67
(1,4274)	1:89:B:MET:HB2	1:81:A:LEU:HD11	1	0.67
(1,4274)	1:89:B:MET:HB2	1:81:A:LEU:HD11	13	0.67
(1,4274)	1:89:B:MET:HB2	1:81:A:LEU:HD11	15	0.67
(1,4273)	1:89:A:MET:HB2	1:81:B:LEU:HD11	1	0.67
(1,4273)	1:89:A:MET:HB2	1:81:B:LEU:HD12	6	0.67
(1,4273)	1:89:A:MET:HB2	1:81:B:LEU:HD11	13	0.67
(1,4273)	1:89:A:MET:HB2	1:81:B:LEU:HD11	15	0.67
(1,4202)	1:11:B:GLU:HG2	1:8:B:THR:HG23	10	0.67
(1,4201)	1:11:A:GLU:HG2	1:8:A:THR:HG23	7	0.67
(1,4200)	1:42:B:PHE:HA	1:39:B:PHE:HA	7	0.67
(1,4199)	1:42:A:PHE:HA	1:39:A:PHE:HA	7	0.67
(1,4134)	1:82:B:ASN:HA	1:81:B:LEU:HD21	14	0.67
(1,4134)	1:82:B:ASN:HA	1:81:B:LEU:HD21	15	0.67
(1,4133)	1:82:A:ASN:HA	1:81:A:LEU:HD21	14	0.67
(1,4133)	1:82:A:ASN:HA	1:81:A:LEU:HD21	15	0.67
(1,4104)	1:42:B:PHE:HA	1:20:B:VAL:HB	7	0.67
(1,4103)	1:42:A:PHE:HA	1:20:A:VAL:HB	7	0.67
(1,4061)	1:66:A:LYS:H	1:65:A:LYS:HG2	4	0.67
(1,4050)	1:74:B:GLN:HG3	1:68:B:ASP:HB2	5	0.67
(1,4049)	1:74:A:GLN:HG3	1:68:A:ASP:HB2	5	0.67
(1,4044)	1:57:B:PRO:HG2	1:61:B:ASP:HB2	13	0.67
(1,4043)	1:57:A:PRO:HG2	1:61:A:ASP:HB2	13	0.67
(1,4030)	1:73:B:GLY:HA3	1:36:B:LYS:HD3	1	0.67
(1,4029)	1:73:A:GLY:HA3	1:36:A:LYS:HD3	1	0.67
(1,3983)	1:60:A:LEU:HD11	1:52:A:LYS:H	2	0.67
(1,3941)	1:13:A:CYS:HB2	1:9:A:GLU:HG2	18	0.67
(1,3930)	1:74:B:GLN:HA	1:34:B:LEU:HB3	2	0.67
(1,3929)	1:74:A:GLN:HA	1:34:A:LEU:HB3	2	0.67
(1,3898)	1:10:B:THR:HA	1:14:B:ILE:HB	8	0.67
(1,3898)	1:10:B:THR:HA	1:14:B:ILE:HB	10	0.67
(1,3897)	1:10:A:THR:HA	1:14:A:ILE:HB	8	0.67
(1,3897)	1:10:A:THR:HA	1:14:A:ILE:HB	10	0.67
(1,3892)	1:34:B:LEU:HD21	1:40:B:LEU:HA	2	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3891)	1:34:A:LEU:HD21	1:40:A:LEU:HA	2	0.67
(1,3872)	1:39:B:PHE:H	1:34:B:LEU:HD12	20	0.67
(1,3870)	1:12:B:ARG:HD2	1:14:B:ILE:HA	18	0.67
(1,3869)	1:12:A:ARG:HD2	1:14:A:ILE:HA	18	0.67
(1,3862)	1:98:B:ALA:HB3	1:96:B:LEU:HD21	8	0.67
(1,3861)	1:98:A:ALA:HB3	1:96:A:LEU:HD21	8	0.67
(1,3861)	1:98:A:ALA:HB1	1:96:A:LEU:HD23	20	0.67
(1,3846)	1:8:B:THR:HA	1:12:B:ARG:HG2	5	0.67
(1,3838)	1:33:B:THR:HA	1:34:B:LEU:HG	8	0.67
(1,3837)	1:33:A:THR:HA	1:34:A:LEU:HG	8	0.67
(1,3807)	1:37:A:THR:HB	1:39:A:PHE:H	5	0.67
(1,3807)	1:37:A:THR:HB	1:39:A:PHE:H	16	0.67
(1,3790)	1:91:B:CYS:HA	1:18:A:ILE:HG22	8	0.67
(1,3789)	1:91:A:CYS:HA	1:18:B:ILE:HG22	8	0.67
(1,3786)	1:63:B:MET:HG3	1:61:B:ASP:H	11	0.67
(1,3786)	1:89:B:MET:HG3	1:87:B:LEU:H	19	0.67
(1,3785)	1:63:A:MET:HG3	1:61:A:ASP:H	11	0.67
(1,3785)	1:89:A:MET:HG3	1:87:A:LEU:H	19	0.67
(1,3736)	1:37:B:THR:HB	1:35:B:SER:HA	2	0.67
(1,3735)	1:37:A:THR:HB	1:35:A:SER:HA	2	0.67
(1,3731)	1:25:A:ALA:HB3	1:35:A:SER:HB2	8	0.67
(1,3729)	1:18:A:ILE:HG23	1:95:B:PHE:HA	3	0.67
(1,3715)	1:14:A:ILE:HB	1:87:B:LEU:HD12	9	0.67
(1,3692)	1:13:B:CYS:HB2	1:17:A:LEU:HB3	6	0.67
(1,3656)	1:48:B:ALA:HB3	1:11:A:GLU:HG3	9	0.67
(1,3648)	1:12:B:ARG:HD2	1:14:B:ILE:HA	18	0.67
(1,3647)	1:12:A:ARG:HD2	1:14:A:ILE:HA	18	0.67
(1,3646)	1:12:B:ARG:HD2	1:14:B:ILE:HA	18	0.67
(1,3645)	1:12:A:ARG:HD2	1:14:A:ILE:HA	18	0.67
(1,3638)	1:34:B:LEU:HB3	1:24:B:TYR:HB3	13	0.67
(1,3638)	1:34:B:LEU:HB3	1:24:B:TYR:HB3	20	0.67
(1,3637)	1:34:A:LEU:HB3	1:24:A:TYR:HB3	13	0.67
(1,3637)	1:34:A:LEU:HB3	1:24:A:TYR:HB3	20	0.67
(1,3632)	1:97:B:LYS:HG3	1:93:B:ASP:HB3	4	0.67
(1,3626)	1:34:B:LEU:HA	1:24:B:TYR:HB2	16	0.67
(1,3625)	1:34:A:LEU:HA	1:24:A:TYR:HB2	16	0.67
(1,3608)	1:37:B:THR:HG21	1:39:B:PHE:H	11	0.67
(1,3606)	1:77:B:PHE:HB3	1:88:A:ALA:HB2	11	0.67
(1,3510)	1:7:B:PRO:HB2	1:12:B:ARG:HD3	9	0.67
(1,3509)	1:7:A:PRO:HB2	1:12:A:ARG:HD3	9	0.67
(1,3482)	1:69:B:THR:HB	1:67:B:LEU:HD22	6	0.67
(1,3482)	1:69:B:THR:HB	1:67:B:LEU:HD23	7	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3482)	1:69:B:THR:HB	1:67:B:LEU:HD23	10	0.67
(1,3482)	1:69:B:THR:HB	1:67:B:LEU:HD23	11	0.67
(1,3482)	1:69:B:THR:HB	1:67:B:LEU:HD22	15	0.67
(1,3482)	1:69:B:THR:HB	1:67:B:LEU:HD21	17	0.67
(1,3481)	1:69:A:THR:HB	1:67:A:LEU:HD22	6	0.67
(1,3481)	1:69:A:THR:HB	1:67:A:LEU:HD23	7	0.67
(1,3481)	1:69:A:THR:HB	1:67:A:LEU:HD23	10	0.67
(1,3481)	1:69:A:THR:HB	1:67:A:LEU:HD23	11	0.67
(1,3416)	1:83:B:LEU:HG	1:80:B:PHE:HB3	10	0.67
(1,3415)	1:83:A:LEU:HG	1:80:A:PHE:HB3	10	0.67
(1,3403)	1:9:A:GLU:HB3	1:20:B:VAL:HA	4	0.67
(1,3388)	1:17:B:LEU:HD22	1:88:A:ALA:HB1	19	0.67
(1,3382)	1:87:B:LEU:HD21	1:14:A:ILE:HB	5	0.67
(1,3378)	1:8:B:THR:HG22	1:48:A:ALA:HA	1	0.67
(1,3358)	1:88:B:ALA:HB3	1:14:A:ILE:HB	4	0.67
(1,3358)	1:88:B:ALA:HB1	1:14:A:ILE:HB	5	0.67
(1,3358)	1:88:B:ALA:HB1	1:14:A:ILE:HB	6	0.67
(1,3358)	1:88:B:ALA:HB2	1:14:A:ILE:HB	7	0.67
(1,3358)	1:88:B:ALA:HB3	1:14:A:ILE:HB	18	0.67
(1,3357)	1:88:A:ALA:HB1	1:14:B:ILE:HB	5	0.67
(1,3357)	1:88:A:ALA:HB1	1:14:B:ILE:HB	6	0.67
(1,3357)	1:88:A:ALA:HB3	1:14:B:ILE:HB	18	0.67
(1,3350)	1:14:B:ILE:HD11	1:88:A:ALA:HB1	6	0.67
(1,3349)	1:14:A:ILE:HD11	1:88:B:ALA:HB3	12	0.67
(1,3102)	1:9:B:GLU:H	1:8:B:THR:HG23	13	0.67
(1,3101)	1:9:A:GLU:H	1:8:A:THR:HG23	13	0.67
(1,2696)	1:82:B:ASN:H	1:83:B:LEU:HB2	10	0.67
(1,2695)	1:82:A:ASN:H	1:83:A:LEU:HB2	10	0.67
(1,2673)	1:92:A:HIS:H	1:14:B:ILE:HG21	3	0.67
(1,2636)	1:43:B:MET:H	1:34:B:LEU:HD22	9	0.67
(1,2636)	1:43:B:MET:H	1:34:B:LEU:HD23	20	0.67
(1,2635)	1:43:A:MET:H	1:34:A:LEU:HD22	9	0.67
(1,2635)	1:43:A:MET:H	1:34:A:LEU:HD23	20	0.67
(1,2554)	1:38:B:GLU:H	1:40:B:LEU:HD21	2	0.67
(1,2553)	1:38:A:GLU:H	1:40:A:LEU:HD21	2	0.67
(1,1606)	1:74:B:GLN:HG3	1:33:B:THR:HG23	16	0.67
(1,1500)	1:18:B:ILE:HG23	1:22:B:GLN:HG3	10	0.67
(1,1499)	1:18:A:ILE:HG23	1:22:A:GLN:HG3	10	0.67
(1,1295)	1:48:A:ALA:HB2	1:52:A:LYS:HE2	6	0.67
(1,1209)	1:52:A:LYS:HE2	1:51:A:THR:HG21	20	0.67
(1,1030)	1:38:B:GLU:HB3	1:24:B:TYR:HB2	8	0.67
(1,1014)	1:62:B:ARG:HB3	1:63:B:MET:HG2	13	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1013)	1:62:A:ARG:HB3	1:63:A:MET:HG2	13	0.67
(1,950)	1:94:B:SER:HB2	1:91:B:CYS:HB2	5	0.67
(1,949)	1:94:A:SER:HB2	1:91:A:CYS:HB2	5	0.67
(1,872)	1:96:B:LEU:HD22	1:95:B:PHE:HB2	13	0.67
(1,871)	1:96:A:LEU:HD22	1:95:A:PHE:HB2	13	0.67
(1,476)	1:67:B:LEU:HB3	1:75:B:LEU:HB2	13	0.67
(1,475)	1:67:A:LEU:HB3	1:75:A:LEU:HB2	13	0.67
(1,348)	1:75:B:LEU:HD13	1:74:B:GLN:HA	14	0.67
(1,347)	1:75:A:LEU:HD13	1:74:A:GLN:HA	14	0.67
(1,322)	1:22:B:GLN:HG3	1:25:B:ALA:HB2	17	0.67
(1,321)	1:22:A:GLN:HG3	1:25:A:ALA:HB2	17	0.67
(1,296)	1:58:B:GLY:HA2	1:59:B:VAL:HB	5	0.67
(1,296)	1:58:B:GLY:HA2	1:59:B:VAL:HB	12	0.67
(1,296)	1:58:B:GLY:HA2	1:59:B:VAL:HB	13	0.67
(1,295)	1:58:A:GLY:HA2	1:59:A:VAL:HB	5	0.67
(1,295)	1:58:A:GLY:HA2	1:59:A:VAL:HB	12	0.67
(1,188)	1:42:B:PHE:HA	1:34:B:LEU:HD23	20	0.67
(1,187)	1:42:A:PHE:HA	1:34:A:LEU:HD23	20	0.67
(1,39)	1:87:A:LEU:HD21	1:14:B:ILE:HD13	2	0.67
(1,14)	1:14:B:ILE:HG21	1:84:A:ILE:HG23	7	0.67
(2,86)	1:42:B:PHE:HB2	1:47:B:LEU:H	11	0.66
(2,16)	1:61:B:ASP:HB2	1:62:B:ARG:HD2	9	0.66
(2,15)	1:61:A:ASP:HB2	1:62:A:ARG:HD2	9	0.66
(1,5704)	1:81:B:LEU:H	1:81:B:LEU:HD21	13	0.66
(1,5703)	1:81:A:LEU:H	1:81:A:LEU:HD21	13	0.66
(1,5658)	1:47:B:LEU:H	1:47:B:LEU:HD21	12	0.66
(1,5657)	1:47:A:LEU:H	1:47:A:LEU:HD21	12	0.66
(1,5600)	1:61:B:ASP:H	1:59:B:VAL:HG12	18	0.66
(1,5485)	1:87:A:LEU:H	1:14:B:ILE:HD11	6	0.66
(1,5478)	1:37:B:THR:H	1:40:B:LEU:HD11	9	0.66
(1,5374)	1:10:B:THR:H	1:47:A:LEU:HD23	14	0.66
(1,5373)	1:10:A:THR:H	1:47:B:LEU:HD21	20	0.66
(1,5314)	1:92:B:HIS:H	1:18:A:ILE:HG23	17	0.66
(1,5306)	1:46:B:GLU:H	1:44:B:ASN:HB3	14	0.66
(1,5295)	1:76:A:ASP:H	1:78:A:SER:HB2	20	0.66
(1,5284)	1:98:B:ALA:H	1:96:B:LEU:HD22	11	0.66
(1,5283)	1:98:A:ALA:H	1:96:A:LEU:HD22	11	0.66
(1,5224)	1:21:B:PHE:H	1:25:B:ALA:HB2	3	0.66
(1,5224)	1:21:B:PHE:H	1:25:B:ALA:HB1	15	0.66
(1,5223)	1:21:A:PHE:H	1:25:A:ALA:HB2	3	0.66
(1,5206)	1:44:B:ASN:H	1:60:B:LEU:HB2	6	0.66
(1,5205)	1:44:A:ASN:H	1:60:A:LEU:HB2	6	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4904)	1:82:B:ASN:HB2	1:80:B:PHE:HB3	15	0.66
(1,4858)	1:23:B:LYS:HB2	1:23:B:LYS:HE3	20	0.66
(1,4857)	1:23:A:LYS:HB2	1:23:A:LYS:HE2	11	0.66
(1,4831)	1:12:A:ARG:HD2	1:9:A:GLU:HA	19	0.66
(1,4790)	1:66:B:LYS:HB3	1:67:B:LEU:HD21	5	0.66
(1,4789)	1:66:A:LYS:HB3	1:67:A:LEU:HD21	5	0.66
(1,4758)	1:60:B:LEU:HD13	1:47:B:LEU:H	17	0.66
(1,4742)	1:44:B:ASN:HA	1:60:B:LEU:HD12	8	0.66
(1,4741)	1:44:A:ASN:HA	1:60:A:LEU:HD12	8	0.66
(1,4686)	1:20:B:VAL:HG13	1:22:B:GLN:HB3	15	0.66
(1,4685)	1:20:A:VAL:HG13	1:22:A:GLN:HB3	15	0.66
(1,4670)	1:87:B:LEU:HG	1:47:B:LEU:HD12	2	0.66
(1,4669)	1:87:A:LEU:HG	1:47:A:LEU:HD12	2	0.66
(1,4628)	1:60:B:LEU:HD22	1:47:B:LEU:H	4	0.66
(1,4627)	1:60:A:LEU:HD22	1:47:A:LEU:H	4	0.66
(1,4536)	1:64:B:MET:HG3	1:75:B:LEU:HD23	1	0.66
(1,4536)	1:64:B:MET:HG3	1:75:B:LEU:HD22	2	0.66
(1,4535)	1:64:A:MET:HG3	1:75:A:LEU:HD22	2	0.66
(1,4516)	1:94:B:SER:HB2	1:95:B:PHE:HB2	13	0.66
(1,4504)	1:24:B:TYR:H	1:34:B:LEU:HD11	4	0.66
(1,4504)	1:24:B:TYR:H	1:34:B:LEU:HD11	5	0.66
(1,4503)	1:24:A:TYR:H	1:34:A:LEU:HD11	4	0.66
(1,4462)	1:100:B:PRO:HD3	1:99:B:VAL:HG21	20	0.66
(1,4461)	1:100:A:PRO:HD3	1:99:A:VAL:HG21	20	0.66
(1,4458)	1:18:B:ILE:HG21	1:19:B:ALA:HB3	19	0.66
(1,4457)	1:18:A:ILE:HG21	1:19:A:ALA:HB2	18	0.66
(1,4457)	1:18:A:ILE:HG21	1:19:A:ALA:HB3	19	0.66
(1,4394)	1:17:B:LEU:HB2	1:9:A:GLU:HG2	12	0.66
(1,4386)	1:96:B:LEU:H	1:98:B:ALA:HA	2	0.66
(1,4386)	1:96:B:LEU:H	1:98:B:ALA:HA	13	0.66
(1,4385)	1:96:A:LEU:H	1:98:A:ALA:HA	2	0.66
(1,4385)	1:96:A:LEU:H	1:98:A:ALA:HA	13	0.66
(1,4376)	1:74:B:GLN:H	1:33:B:THR:HG21	12	0.66
(1,4375)	1:74:A:GLN:H	1:33:A:THR:HG21	12	0.66
(1,4348)	1:82:B:ASN:HB2	1:80:B:PHE:HB3	15	0.66
(1,4342)	1:83:B:LEU:HD13	1:86:B:GLY:H	2	0.66
(1,4342)	1:83:B:LEU:HD13	1:86:B:GLY:H	12	0.66
(1,4342)	1:83:B:LEU:HD13	1:86:B:GLY:H	18	0.66
(1,4341)	1:83:A:LEU:HD13	1:86:A:GLY:H	12	0.66
(1,4298)	1:44:B:ASN:HA	1:47:B:LEU:HD11	17	0.66
(1,4254)	1:15:B:GLU:HG2	1:88:A:ALA:HB2	14	0.66
(1,4253)	1:15:A:GLU:HG2	1:88:B:ALA:HB1	11	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4245)	1:89:A:MET:HB2	1:85:A:GLY:H	2	0.66
(1,4226)	1:65:B:LYS:HA	1:64:B:MET:HA	8	0.66
(1,4225)	1:65:A:LYS:HA	1:64:A:MET:HA	8	0.66
(1,4200)	1:45:B:THR:HB	1:42:B:PHE:HA	2	0.66
(1,4199)	1:45:A:THR:HB	1:42:A:PHE:HA	2	0.66
(1,4172)	1:44:B:ASN:HB2	1:43:B:MET:HB2	12	0.66
(1,4171)	1:44:A:ASN:HB2	1:43:A:MET:HB2	12	0.66
(1,4134)	1:82:B:ASN:HA	1:81:B:LEU:HD21	19	0.66
(1,4024)	1:83:B:LEU:HB3	1:82:B:ASN:HB2	7	0.66
(1,4023)	1:83:A:LEU:HB3	1:82:A:ASN:HB2	7	0.66
(1,4014)	1:66:B:LYS:H	1:66:B:LYS:HD3	7	0.66
(1,4013)	1:66:A:LYS:H	1:66:A:LYS:HD3	7	0.66
(1,3984)	1:60:B:LEU:HD11	1:52:B:LYS:H	2	0.66
(1,3942)	1:13:B:CYS:HB2	1:9:B:GLU:HG2	13	0.66
(1,3941)	1:13:A:CYS:HB2	1:9:A:GLU:HG2	13	0.66
(1,3900)	1:75:B:LEU:HB2	1:64:B:MET:HB2	8	0.66
(1,3900)	1:34:B:LEU:HB2	1:74:B:GLN:HG2	10	0.66
(1,3899)	1:75:A:LEU:HB2	1:64:A:MET:HB2	8	0.66
(1,3899)	1:34:A:LEU:HB2	1:74:A:GLN:HG2	10	0.66
(1,3871)	1:39:A:PHE:H	1:34:A:LEU:HD12	20	0.66
(1,3870)	1:12:B:ARG:HD2	1:14:B:ILE:HA	1	0.66
(1,3870)	1:12:B:ARG:HD2	1:14:B:ILE:HA	10	0.66
(1,3869)	1:12:A:ARG:HD2	1:14:A:ILE:HA	1	0.66
(1,3869)	1:12:A:ARG:HD2	1:14:A:ILE:HA	10	0.66
(1,3864)	1:74:B:GLN:HG3	1:75:B:LEU:HD21	15	0.66
(1,3863)	1:74:A:GLN:HG3	1:75:A:LEU:HD21	15	0.66
(1,3850)	1:34:B:LEU:HB2	1:39:B:PHE:HB2	10	0.66
(1,3849)	1:34:A:LEU:HB2	1:39:A:PHE:HB2	10	0.66
(1,3808)	1:37:B:THR:HB	1:39:B:PHE:H	5	0.66
(1,3800)	1:47:B:LEU:HA	1:87:B:LEU:HD23	15	0.66
(1,3790)	1:91:B:CYS:HA	1:18:A:ILE:HG21	10	0.66
(1,3790)	1:91:B:CYS:HA	1:18:A:ILE:HG22	18	0.66
(1,3789)	1:91:A:CYS:HA	1:18:B:ILE:HG21	10	0.66
(1,3762)	1:58:B:GLY:HA3	1:62:B:ARG:HG2	13	0.66
(1,3761)	1:58:A:GLY:HA3	1:62:A:ARG:HG2	13	0.66
(1,3736)	1:37:B:THR:HB	1:35:B:SER:HA	12	0.66
(1,3735)	1:37:A:THR:HB	1:35:A:SER:HA	12	0.66
(1,3715)	1:14:A:ILE:HB	1:87:B:LEU:HD11	6	0.66
(1,3670)	1:69:B:THR:HA	1:70:B:ASN:HB2	20	0.66
(1,3669)	1:69:A:THR:HA	1:70:A:ASN:HB2	20	0.66
(1,3668)	1:17:B:LEU:HD11	1:16:B:SER:H	8	0.66
(1,3668)	1:17:B:LEU:HD13	1:16:B:SER:H	17	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3667)	1:17:A:LEU:HD13	1:16:A:SER:H	17	0.66
(1,3648)	1:12:B:ARG:HD2	1:14:B:ILE:HA	1	0.66
(1,3648)	1:12:B:ARG:HD2	1:14:B:ILE:HA	10	0.66
(1,3647)	1:12:A:ARG:HD2	1:14:A:ILE:HA	1	0.66
(1,3647)	1:12:A:ARG:HD2	1:14:A:ILE:HA	10	0.66
(1,3646)	1:12:B:ARG:HD2	1:14:B:ILE:HA	1	0.66
(1,3646)	1:12:B:ARG:HD2	1:14:B:ILE:HA	10	0.66
(1,3645)	1:12:A:ARG:HD2	1:14:A:ILE:HA	1	0.66
(1,3645)	1:12:A:ARG:HD2	1:14:A:ILE:HA	10	0.66
(1,3631)	1:97:A:LYS:HG3	1:93:A:ASP:HB3	4	0.66
(1,3606)	1:77:B:PHE:HB3	1:88:A:ALA:HB2	18	0.66
(1,3605)	1:77:A:PHE:HB3	1:88:B:ALA:HB2	18	0.66
(1,3586)	1:11:B:GLU:HA	1:13:B:CYS:HB2	18	0.66
(1,3535)	1:18:A:ILE:HB	1:91:B:CYS:HB2	3	0.66
(1,3516)	1:51:B:THR:HG21	1:50:B:PHE:HB3	7	0.66
(1,3516)	1:51:B:THR:HG22	1:50:B:PHE:HB3	13	0.66
(1,3510)	1:7:B:PRO:HB2	1:12:B:ARG:HD3	12	0.66
(1,3509)	1:7:A:PRO:HB2	1:12:A:ARG:HD3	12	0.66
(1,3508)	1:46:B:GLU:HB3	1:45:B:THR:HB	18	0.66
(1,3507)	1:46:A:GLU:HB3	1:45:A:THR:HB	18	0.66
(1,3505)	1:69:A:THR:HB	1:82:A:ASN:HB2	5	0.66
(1,3482)	1:69:B:THR:HB	1:67:B:LEU:HD22	16	0.66
(1,3481)	1:69:A:THR:HB	1:67:A:LEU:HD22	15	0.66
(1,3481)	1:69:A:THR:HB	1:67:A:LEU:HD22	16	0.66
(1,3481)	1:69:A:THR:HB	1:67:A:LEU:HD21	17	0.66
(1,3468)	1:75:B:LEU:HB3	1:33:B:THR:HA	12	0.66
(1,3467)	1:75:A:LEU:HB3	1:33:A:THR:HA	12	0.66
(1,3462)	1:84:B:ILE:HB	1:80:B:PHE:HB3	4	0.66
(1,3461)	1:84:A:ILE:HB	1:80:A:PHE:HB3	4	0.66
(1,3390)	1:17:B:LEU:HD23	1:17:A:LEU:HD11	2	0.66
(1,3389)	1:17:A:LEU:HD23	1:17:B:LEU:HD11	2	0.66
(1,3377)	1:8:A:THR:HG22	1:48:B:ALA:HA	1	0.66
(1,3358)	1:88:B:ALA:HB2	1:14:A:ILE:HB	20	0.66
(1,3357)	1:88:A:ALA:HB3	1:14:B:ILE:HB	3	0.66
(1,3357)	1:88:A:ALA:HB3	1:14:B:ILE:HB	4	0.66
(1,3357)	1:88:A:ALA:HB2	1:14:B:ILE:HB	20	0.66
(1,3350)	1:14:B:ILE:HD12	1:88:A:ALA:HB3	4	0.66
(1,3350)	1:14:B:ILE:HD11	1:88:A:ALA:HB3	12	0.66
(1,3349)	1:14:A:ILE:HD11	1:88:B:ALA:HB1	6	0.66
(1,3102)	1:9:B:GLU:H	1:8:B:THR:HG22	17	0.66
(1,3101)	1:9:A:GLU:H	1:8:A:THR:HG22	17	0.66
(1,2695)	1:82:A:ASN:H	1:83:A:LEU:HB2	6	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2674)	1:92:B:HIS:H	1:14:A:ILE:HG21	3	0.66
(1,2636)	1:43:B:MET:H	1:34:B:LEU:HD21	18	0.66
(1,2635)	1:43:A:MET:H	1:34:A:LEU:HD21	18	0.66
(1,2554)	1:38:B:GLU:H	1:40:B:LEU:HD21	7	0.66
(1,2554)	1:38:B:GLU:H	1:40:B:LEU:HD22	15	0.66
(1,2554)	1:38:B:GLU:H	1:40:B:LEU:HD22	16	0.66
(1,2553)	1:38:A:GLU:H	1:40:A:LEU:HD21	7	0.66
(1,2553)	1:38:A:GLU:H	1:40:A:LEU:HD22	14	0.66
(1,2553)	1:38:A:GLU:H	1:40:A:LEU:HD22	15	0.66
(1,2553)	1:38:A:GLU:H	1:40:A:LEU:HD22	16	0.66
(1,2505)	1:37:A:THR:H	1:34:A:LEU:HD21	19	0.66
(1,2482)	1:78:B:SER:H	1:33:B:THR:HG21	11	0.66
(1,1918)	1:94:B:SER:H	1:93:B:ASP:HB2	6	0.66
(1,1918)	1:94:B:SER:H	1:93:B:ASP:HB2	11	0.66
(1,1917)	1:94:A:SER:H	1:93:A:ASP:HB2	11	0.66
(1,1739)	1:23:A:LYS:HE2	1:8:B:THR:HB	15	0.66
(1,1605)	1:74:A:GLN:HG3	1:33:A:THR:HG23	16	0.66
(1,1499)	1:18:A:ILE:HG22	1:22:A:GLN:HG3	2	0.66
(1,1210)	1:52:B:LYS:HE2	1:51:B:THR:HG21	20	0.66
(1,1029)	1:38:A:GLU:HB3	1:24:A:TYR:HB2	8	0.66
(1,950)	1:94:B:SER:HB2	1:91:B:CYS:HB2	1	0.66
(1,949)	1:94:A:SER:HB2	1:91:A:CYS:HB2	1	0.66
(1,884)	1:34:B:LEU:HB3	1:80:B:PHE:HB2	5	0.66
(1,884)	1:34:B:LEU:HB3	1:80:B:PHE:HB2	16	0.66
(1,883)	1:34:A:LEU:HB3	1:80:A:PHE:HB2	5	0.66
(1,883)	1:34:A:LEU:HB3	1:80:A:PHE:HB2	16	0.66
(1,816)	1:9:B:GLU:HG3	1:10:B:THR:HG21	17	0.66
(1,484)	1:14:B:ILE:HB	1:10:B:THR:HG23	16	0.66
(1,482)	1:8:B:THR:HA	1:10:B:THR:HG21	13	0.66
(1,481)	1:8:A:THR:HA	1:10:A:THR:HG21	13	0.66
(1,476)	1:67:B:LEU:HB3	1:75:B:LEU:HB2	1	0.66
(1,475)	1:67:A:LEU:HB3	1:75:A:LEU:HB2	1	0.66
(1,348)	1:75:B:LEU:HD13	1:74:B:GLN:HA	6	0.66
(1,347)	1:75:A:LEU:HD13	1:74:A:GLN:HA	6	0.66
(1,320)	1:74:B:GLN:HB3	1:76:B:ASP:HB3	10	0.66
(1,319)	1:74:A:GLN:HB3	1:76:A:ASP:HB3	10	0.66
(1,296)	1:58:B:GLY:HA2	1:59:B:VAL:HB	8	0.66
(1,295)	1:58:A:GLY:HA2	1:59:A:VAL:HB	8	0.66
(1,295)	1:58:A:GLY:HA2	1:59:A:VAL:HB	13	0.66
(1,39)	1:87:A:LEU:HD21	1:14:B:ILE:HD12	7	0.66
(1,13)	1:14:A:ILE:HG21	1:84:B:ILE:HG23	7	0.66
(2,85)	1:42:A:PHE:HB2	1:47:A:LEU:H	11	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5676)	1:61:B:ASP:H	1:60:B:LEU:HG	15	0.65
(1,5675)	1:61:A:ASP:H	1:60:A:LEU:HG	15	0.65
(1,5658)	1:47:B:LEU:H	1:47:B:LEU:HD22	7	0.65
(1,5658)	1:47:B:LEU:H	1:47:B:LEU:HD22	11	0.65
(1,5657)	1:47:A:LEU:H	1:47:A:LEU:HD22	7	0.65
(1,5657)	1:47:A:LEU:H	1:47:A:LEU:HD22	11	0.65
(1,5622)	1:47:B:LEU:H	1:48:B:ALA:HB1	9	0.65
(1,5621)	1:47:A:LEU:H	1:48:A:ALA:HB1	9	0.65
(1,5600)	1:61:B:ASP:H	1:59:B:VAL:HG12	3	0.65
(1,5600)	1:61:B:ASP:H	1:59:B:VAL:HG13	13	0.65
(1,5599)	1:61:A:ASP:H	1:59:A:VAL:HG12	3	0.65
(1,5599)	1:61:A:ASP:H	1:59:A:VAL:HG13	13	0.65
(1,5599)	1:61:A:ASP:H	1:59:A:VAL:HG12	17	0.65
(1,5478)	1:37:B:THR:H	1:40:B:LEU:HD11	3	0.65
(1,5477)	1:37:A:THR:H	1:40:A:LEU:HD11	4	0.65
(1,5477)	1:37:A:THR:H	1:40:A:LEU:HD11	9	0.65
(1,5460)	1:22:B:GLN:H	1:20:B:VAL:HG21	2	0.65
(1,5444)	1:95:B:PHE:H	1:98:B:ALA:HB1	2	0.65
(1,5443)	1:95:A:PHE:H	1:98:A:ALA:HB1	2	0.65
(1,5352)	1:41:B:SER:H	1:39:B:PHE:HB3	4	0.65
(1,5322)	1:47:B:LEU:H	1:87:B:LEU:HD23	20	0.65
(1,5321)	1:47:A:LEU:H	1:87:A:LEU:HD23	20	0.65
(1,5296)	1:76:B:ASP:H	1:78:B:SER:HB2	20	0.65
(1,5295)	1:76:A:ASP:H	1:80:A:PHE:HA	5	0.65
(1,5223)	1:21:A:PHE:H	1:25:A:ALA:HB1	15	0.65
(1,5202)	1:40:B:LEU:H	1:64:B:MET:HG2	2	0.65
(1,5202)	1:40:B:LEU:H	1:64:B:MET:HG3	12	0.65
(1,5201)	1:40:A:LEU:H	1:64:A:MET:HG2	2	0.65
(1,5201)	1:40:A:LEU:H	1:64:A:MET:HG3	12	0.65
(1,4974)	1:83:B:LEU:HD21	1:80:B:PHE:HA	8	0.65
(1,4973)	1:83:A:LEU:HD21	1:80:A:PHE:HA	8	0.65
(1,4858)	1:23:B:LYS:HB2	1:23:B:LYS:HE2	11	0.65
(1,4832)	1:12:B:ARG:HD2	1:9:B:GLU:HA	2	0.65
(1,4831)	1:12:A:ARG:HD2	1:9:A:GLU:HA	2	0.65
(1,4790)	1:66:B:LYS:HB3	1:67:B:LEU:HD22	1	0.65
(1,4790)	1:66:B:LYS:HB3	1:67:B:LEU:HD21	4	0.65
(1,4790)	1:66:B:LYS:HB3	1:67:B:LEU:HD21	17	0.65
(1,4790)	1:66:B:LYS:HB3	1:67:B:LEU:HD22	18	0.65
(1,4789)	1:66:A:LYS:HB3	1:67:A:LEU:HD22	1	0.65
(1,4789)	1:66:A:LYS:HB3	1:67:A:LEU:HD21	4	0.65
(1,4789)	1:66:A:LYS:HB3	1:67:A:LEU:HD21	17	0.65
(1,4789)	1:66:A:LYS:HB3	1:67:A:LEU:HD22	18	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4758)	1:60:B:LEU:HD13	1:47:B:LEU:H	9	0.65
(1,4757)	1:60:A:LEU:HD13	1:47:A:LEU:H	9	0.65
(1,4757)	1:60:A:LEU:HD13	1:47:A:LEU:H	17	0.65
(1,4678)	1:39:B:PHE:HA	1:46:B:GLU:HB2	10	0.65
(1,4677)	1:39:A:PHE:HA	1:46:A:GLU:HB2	10	0.65
(1,4652)	1:37:B:THR:HG21	1:41:B:SER:H	4	0.65
(1,4618)	1:68:B:ASP:HA	1:74:B:GLN:HB3	17	0.65
(1,4617)	1:68:A:ASP:HA	1:74:A:GLN:HB3	17	0.65
(1,4516)	1:94:B:SER:HB2	1:95:B:PHE:HB2	8	0.65
(1,4516)	1:94:B:SER:HB3	1:95:B:PHE:HB2	9	0.65
(1,4515)	1:94:A:SER:HB3	1:95:A:PHE:HB2	9	0.65
(1,4515)	1:94:A:SER:HB2	1:95:A:PHE:HB2	13	0.65
(1,4488)	1:84:B:ILE:HB	1:17:B:LEU:HD23	3	0.65
(1,4487)	1:84:A:ILE:HB	1:17:A:LEU:HD21	7	0.65
(1,4458)	1:18:B:ILE:HG21	1:19:B:ALA:HB2	18	0.65
(1,4393)	1:17:A:LEU:HB2	1:9:B:GLU:HG2	12	0.65
(1,4341)	1:83:A:LEU:HD13	1:86:A:GLY:H	2	0.65
(1,4253)	1:15:A:GLU:HG2	1:88:B:ALA:HB2	14	0.65
(1,4246)	1:89:B:MET:HB2	1:85:B:GLY:H	2	0.65
(1,4246)	1:89:B:MET:HB2	1:85:B:GLY:H	11	0.65
(1,4246)	1:89:B:MET:HB2	1:85:B:GLY:H	15	0.65
(1,4245)	1:89:A:MET:HB2	1:85:A:GLY:H	15	0.65
(1,4202)	1:11:B:GLU:HG2	1:8:B:THR:HG23	7	0.65
(1,4134)	1:82:B:ASN:HA	1:81:B:LEU:HD23	12	0.65
(1,4133)	1:82:A:ASN:HA	1:81:A:LEU:HD23	12	0.65
(1,4133)	1:82:A:ASN:HA	1:81:A:LEU:HD21	19	0.65
(1,3956)	1:48:B:ALA:HA	1:50:B:PHE:HB3	18	0.65
(1,3955)	1:48:A:ALA:HA	1:50:A:PHE:HB3	18	0.65
(1,3930)	1:74:B:GLN:HA	1:34:B:LEU:HB3	9	0.65
(1,3929)	1:74:A:GLN:HA	1:34:A:LEU:HB3	9	0.65
(1,3897)	1:10:A:THR:HA	1:14:A:ILE:HB	15	0.65
(1,3870)	1:12:B:ARG:HD2	1:14:B:ILE:HA	11	0.65
(1,3869)	1:12:A:ARG:HD2	1:14:A:ILE:HA	11	0.65
(1,3862)	1:98:B:ALA:HB1	1:96:B:LEU:HD23	7	0.65
(1,3861)	1:98:A:ALA:HB1	1:96:A:LEU:HD23	7	0.65
(1,3861)	1:98:A:ALA:HB1	1:96:A:LEU:HD21	15	0.65
(1,3838)	1:33:B:THR:HA	1:34:B:LEU:HG	14	0.65
(1,3837)	1:33:A:THR:HA	1:34:A:LEU:HG	14	0.65
(1,3808)	1:37:B:THR:HB	1:36:B:LYS:H	14	0.65
(1,3799)	1:47:A:LEU:HA	1:87:A:LEU:HD23	15	0.65
(1,3789)	1:91:A:CYS:HA	1:18:B:ILE:HG21	7	0.65
(1,3789)	1:91:A:CYS:HA	1:18:B:ILE:HG22	18	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3785)	1:89:A:MET:HG3	1:87:A:LEU:H	18	0.65
(1,3772)	1:96:B:LEU:HD21	1:93:B:ASP:HB2	1	0.65
(1,3771)	1:96:A:LEU:HD21	1:93:A:ASP:HB2	1	0.65
(1,3762)	1:58:B:GLY:HA3	1:62:B:ARG:HG2	12	0.65
(1,3732)	1:25:B:ALA:HB3	1:35:B:SER:HB2	8	0.65
(1,3732)	1:25:B:ALA:HB3	1:35:B:SER:HB2	10	0.65
(1,3716)	1:14:B:ILE:HB	1:87:A:LEU:HD12	16	0.65
(1,3715)	1:14:A:ILE:HB	1:87:B:LEU:HD12	16	0.65
(1,3680)	1:33:B:THR:HB	1:34:B:LEU:HG	5	0.65
(1,3679)	1:33:A:THR:HB	1:34:A:LEU:HG	5	0.65
(1,3668)	1:17:B:LEU:HD13	1:16:B:SER:H	2	0.65
(1,3668)	1:17:B:LEU:HD13	1:16:B:SER:H	5	0.65
(1,3667)	1:17:A:LEU:HD13	1:16:A:SER:H	2	0.65
(1,3667)	1:17:A:LEU:HD13	1:16:A:SER:H	5	0.65
(1,3648)	1:12:B:ARG:HD2	1:14:B:ILE:HA	11	0.65
(1,3647)	1:12:A:ARG:HD2	1:14:A:ILE:HA	11	0.65
(1,3646)	1:12:B:ARG:HD2	1:14:B:ILE:HA	11	0.65
(1,3645)	1:12:A:ARG:HD2	1:14:A:ILE:HA	11	0.65
(1,3605)	1:77:A:PHE:HB3	1:88:B:ALA:HB2	11	0.65
(1,3585)	1:11:A:GLU:HA	1:13:A:CYS:HB2	18	0.65
(1,3516)	1:51:B:THR:HG22	1:50:B:PHE:HB3	15	0.65
(1,3515)	1:51:A:THR:HG21	1:50:A:PHE:HB3	7	0.65
(1,3515)	1:51:A:THR:HG22	1:50:A:PHE:HB3	13	0.65
(1,3515)	1:51:A:THR:HG22	1:50:A:PHE:HB3	15	0.65
(1,3506)	1:69:B:THR:HB	1:82:B:ASN:HB2	5	0.65
(1,3505)	1:69:A:THR:HB	1:82:A:ASN:HB2	9	0.65
(1,3468)	1:75:B:LEU:HB3	1:33:B:THR:HA	8	0.65
(1,3467)	1:75:A:LEU:HB3	1:33:A:THR:HA	8	0.65
(1,3404)	1:9:B:GLU:HB3	1:20:A:VAL:HA	4	0.65
(1,3387)	1:17:A:LEU:HD22	1:88:B:ALA:HB1	19	0.65
(1,3358)	1:88:B:ALA:HB2	1:14:A:ILE:HB	9	0.65
(1,3357)	1:88:A:ALA:HB3	1:14:B:ILE:HB	19	0.65
(1,3349)	1:14:A:ILE:HD12	1:88:B:ALA:HB3	4	0.65
(1,3102)	1:9:B:GLU:H	1:8:B:THR:HG22	6	0.65
(1,3101)	1:9:A:GLU:H	1:8:A:THR:HG22	6	0.65
(1,2826)	1:78:B:SER:H	1:89:A:MET:HG2	10	0.65
(1,2760)	1:34:B:LEU:H	1:34:B:LEU:HD21	20	0.65
(1,2759)	1:34:A:LEU:H	1:34:A:LEU:HD21	20	0.65
(1,2696)	1:82:B:ASN:H	1:83:B:LEU:HB2	6	0.65
(1,2696)	1:82:B:ASN:H	1:83:B:LEU:HB2	8	0.65
(1,2695)	1:82:A:ASN:H	1:83:A:LEU:HB2	8	0.65
(1,2554)	1:38:B:GLU:H	1:40:B:LEU:HD22	14	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2506)	1:37:B:THR:H	1:34:B:LEU:HD21	19	0.65
(1,2481)	1:78:A:SER:H	1:33:A:THR:HG21	11	0.65
(1,1918)	1:94:B:SER:H	1:93:B:ASP:HB2	7	0.65
(1,1918)	1:94:B:SER:H	1:93:B:ASP:HB2	19	0.65
(1,1917)	1:94:A:SER:H	1:93:A:ASP:HB2	6	0.65
(1,1917)	1:94:A:SER:H	1:93:A:ASP:HB2	7	0.65
(1,1917)	1:94:A:SER:H	1:93:A:ASP:HB2	17	0.65
(1,1917)	1:94:A:SER:H	1:93:A:ASP:HB2	19	0.65
(1,1682)	1:50:B:PHE:HB2	1:47:B:LEU:HD21	1	0.65
(1,1638)	1:38:B:GLU:HA	1:27:B:LYS:HD2	12	0.65
(1,1637)	1:38:A:GLU:HA	1:27:A:LYS:HD2	12	0.65
(1,1606)	1:74:B:GLN:HG3	1:33:B:THR:HG22	2	0.65
(1,1606)	1:74:B:GLN:HG3	1:33:B:THR:HG23	10	0.65
(1,1605)	1:74:A:GLN:HG3	1:33:A:THR:HG22	2	0.65
(1,1605)	1:74:A:GLN:HG3	1:33:A:THR:HG23	10	0.65
(1,1500)	1:18:B:ILE:HG22	1:22:B:GLN:HG3	2	0.65
(1,1014)	1:62:B:ARG:HB3	1:63:B:MET:HG2	17	0.65
(1,1013)	1:62:A:ARG:HB3	1:63:A:MET:HG2	17	0.65
(1,816)	1:9:B:GLU:HG3	1:10:B:THR:HG21	5	0.65
(1,815)	1:9:A:GLU:HG3	1:10:A:THR:HG21	5	0.65
(1,815)	1:9:A:GLU:HG3	1:10:A:THR:HG21	17	0.65
(1,624)	1:34:B:LEU:HB2	1:38:B:GLU:HB2	14	0.65
(1,483)	1:14:A:ILE:HB	1:10:A:THR:HG23	16	0.65
(1,476)	1:67:B:LEU:HB3	1:75:B:LEU:HB2	16	0.65
(1,475)	1:67:A:LEU:HB3	1:75:A:LEU:HB2	16	0.65
(1,341)	1:69:A:THR:HB	1:75:A:LEU:HD21	9	0.65
(1,322)	1:22:B:GLN:HG2	1:25:B:ALA:HB2	13	0.65
(1,321)	1:22:A:GLN:HG2	1:25:A:ALA:HB2	13	0.65
(1,320)	1:74:B:GLN:HB3	1:76:B:ASP:HB3	2	0.65
(1,319)	1:74:A:GLN:HB3	1:76:A:ASP:HB3	2	0.65
(1,302)	1:22:B:GLN:HB3	1:25:B:ALA:HB2	7	0.65
(1,301)	1:22:A:GLN:HB3	1:25:A:ALA:HB2	7	0.65
(1,296)	1:58:B:GLY:HA2	1:59:B:VAL:HB	2	0.65
(1,296)	1:58:B:GLY:HA2	1:59:B:VAL:HB	3	0.65
(1,295)	1:58:A:GLY:HA2	1:59:A:VAL:HB	2	0.65
(1,295)	1:58:A:GLY:HA2	1:59:A:VAL:HB	3	0.65
(1,210)	1:76:B:ASP:HA	1:34:B:LEU:HB3	6	0.65
(1,209)	1:76:A:ASP:HA	1:34:A:LEU:HB3	6	0.65
(1,209)	1:76:A:ASP:HA	1:34:A:LEU:HB3	9	0.65
(1,40)	1:87:B:LEU:HD21	1:14:A:ILE:HD12	7	0.65
(1,40)	1:87:B:LEU:HD21	1:14:A:ILE:HD11	12	0.65
(1,39)	1:87:A:LEU:HD21	1:14:B:ILE:HD11	12	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,16)	1:61:B:ASP:HB2	1:62:B:ARG:HD2	10	0.64
(2,15)	1:61:A:ASP:HB2	1:62:A:ARG:HD2	10	0.64
(1,5704)	1:81:B:LEU:H	1:81:B:LEU:HD22	5	0.64
(1,5703)	1:81:A:LEU:H	1:81:A:LEU:HD22	5	0.64
(1,5676)	1:61:B:ASP:H	1:60:B:LEU:HG	16	0.64
(1,5600)	1:61:B:ASP:H	1:59:B:VAL:HG12	17	0.64
(1,5498)	1:76:B:ASP:H	1:72:B:ASP:HB3	13	0.64
(1,5478)	1:37:B:THR:H	1:40:B:LEU:HD11	4	0.64
(1,5477)	1:37:A:THR:H	1:40:A:LEU:HD11	3	0.64
(1,5460)	1:22:B:GLN:H	1:20:B:VAL:HG22	11	0.64
(1,5459)	1:22:A:GLN:H	1:20:A:VAL:HG21	2	0.64
(1,5459)	1:22:A:GLN:H	1:20:A:VAL:HG22	11	0.64
(1,5440)	1:93:B:ASP:H	1:96:B:LEU:HB2	15	0.64
(1,5439)	1:93:A:ASP:H	1:96:A:LEU:HB2	2	0.64
(1,5439)	1:93:A:ASP:H	1:96:A:LEU:HB2	15	0.64
(1,5374)	1:10:B:THR:H	1:47:A:LEU:HD23	15	0.64
(1,5351)	1:41:A:SER:H	1:39:A:PHE:HB3	4	0.64
(1,5349)	1:26:A:GLY:H	1:22:A:GLN:HB3	12	0.64
(1,5349)	1:26:A:GLY:H	1:22:A:GLN:HB3	14	0.64
(1,5296)	1:76:B:ASP:H	1:80:B:PHE:HA	5	0.64
(1,5296)	1:76:B:ASP:H	1:33:B:THR:HB	10	0.64
(1,5295)	1:76:A:ASP:H	1:33:A:THR:HB	10	0.64
(1,5206)	1:44:B:ASN:H	1:60:B:LEU:HB2	15	0.64
(1,5205)	1:44:A:ASN:H	1:60:A:LEU:HB2	15	0.64
(1,4818)	1:59:B:VAL:HA	1:62:B:ARG:HG2	20	0.64
(1,4817)	1:59:A:VAL:HA	1:62:A:ARG:HG2	20	0.64
(1,4756)	1:46:B:GLU:HB2	1:45:B:THR:HG22	14	0.64
(1,4742)	1:44:B:ASN:HA	1:60:B:LEU:HD11	12	0.64
(1,4742)	1:44:B:ASN:HA	1:60:B:LEU:HD12	17	0.64
(1,4741)	1:44:A:ASN:HA	1:60:A:LEU:HD11	12	0.64
(1,4741)	1:44:A:ASN:HA	1:60:A:LEU:HD12	17	0.64
(1,4651)	1:37:A:THR:HG21	1:41:A:SER:H	4	0.64
(1,4628)	1:60:B:LEU:HD23	1:47:B:LEU:H	9	0.64
(1,4628)	1:60:B:LEU:HD23	1:47:B:LEU:H	12	0.64
(1,4627)	1:60:A:LEU:HD23	1:47:A:LEU:H	9	0.64
(1,4627)	1:60:A:LEU:HD23	1:47:A:LEU:H	12	0.64
(1,4618)	1:68:B:ASP:HA	1:74:B:GLN:HB3	16	0.64
(1,4617)	1:68:A:ASP:HA	1:74:A:GLN:HB3	16	0.64
(1,4564)	1:98:B:ALA:HB3	1:97:B:LYS:HB2	5	0.64
(1,4564)	1:98:B:ALA:HB3	1:97:B:LYS:HB2	17	0.64
(1,4563)	1:98:A:ALA:HB3	1:97:A:LYS:HB2	5	0.64
(1,4563)	1:98:A:ALA:HB3	1:97:A:LYS:HB2	17	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4550)	1:90:B:ALA:HB2	1:91:B:CYS:HB2	13	0.64
(1,4515)	1:94:A:SER:HB2	1:95:A:PHE:HB2	8	0.64
(1,4488)	1:84:B:ILE:HB	1:17:B:LEU:HD21	7	0.64
(1,4488)	1:84:B:ILE:HB	1:17:B:LEU:HD23	13	0.64
(1,4487)	1:84:A:ILE:HB	1:17:A:LEU:HD23	3	0.64
(1,4487)	1:84:A:ILE:HB	1:17:A:LEU:HD23	13	0.64
(1,4458)	1:18:B:ILE:HG21	1:19:B:ALA:HB2	1	0.64
(1,4457)	1:18:A:ILE:HG21	1:19:A:ALA:HB2	1	0.64
(1,4393)	1:17:A:LEU:HB2	1:9:B:GLU:HG2	7	0.64
(1,4386)	1:96:B:LEU:H	1:98:B:ALA:HA	5	0.64
(1,4386)	1:96:B:LEU:H	1:98:B:ALA:HA	6	0.64
(1,4386)	1:96:B:LEU:H	1:98:B:ALA:HA	8	0.64
(1,4385)	1:96:A:LEU:H	1:98:A:ALA:HA	5	0.64
(1,4385)	1:96:A:LEU:H	1:98:A:ALA:HA	6	0.64
(1,4385)	1:96:A:LEU:H	1:98:A:ALA:HA	8	0.64
(1,4376)	1:74:B:GLN:H	1:33:B:THR:HG22	14	0.64
(1,4375)	1:74:A:GLN:H	1:33:A:THR:HG22	14	0.64
(1,4342)	1:83:B:LEU:HD12	1:86:B:GLY:H	19	0.64
(1,4341)	1:83:A:LEU:HD12	1:86:A:GLY:H	19	0.64
(1,4274)	1:89:B:MET:HB2	1:81:A:LEU:HD12	4	0.64
(1,4258)	1:10:B:THR:HA	1:14:B:ILE:HD12	16	0.64
(1,4257)	1:10:A:THR:HA	1:14:A:ILE:HD12	16	0.64
(1,4254)	1:15:B:GLU:HG2	1:88:A:ALA:HB1	11	0.64
(1,4245)	1:89:A:MET:HB2	1:85:A:GLY:H	11	0.64
(1,4226)	1:65:B:LYS:HA	1:64:B:MET:HA	9	0.64
(1,4225)	1:65:A:LYS:HA	1:64:A:MET:HA	9	0.64
(1,4200)	1:42:B:PHE:HA	1:39:B:PHE:HA	8	0.64
(1,4199)	1:42:A:PHE:HA	1:39:A:PHE:HA	8	0.64
(1,4174)	1:67:B:LEU:HD22	1:64:B:MET:HA	19	0.64
(1,4173)	1:67:A:LEU:HD22	1:64:A:MET:HA	19	0.64
(1,4134)	1:82:B:ASN:HA	1:81:B:LEU:HD21	2	0.64
(1,4134)	1:82:B:ASN:HA	1:81:B:LEU:HD21	4	0.64
(1,4133)	1:82:A:ASN:HA	1:81:A:LEU:HD21	4	0.64
(1,4113)	1:18:A:ILE:H	1:17:A:LEU:HD11	7	0.64
(1,4094)	1:38:B:GLU:HB3	1:27:B:LYS:HE3	2	0.64
(1,4093)	1:38:A:GLU:HB3	1:27:A:LYS:HE3	2	0.64
(1,4028)	1:99:B:VAL:HG21	1:102:B:GLN:H	4	0.64
(1,4027)	1:99:A:VAL:HG21	1:102:A:GLN:H	4	0.64
(1,3958)	1:17:B:LEU:HG	1:16:B:SER:HB3	11	0.64
(1,3957)	1:17:A:LEU:HG	1:16:A:SER:HB3	11	0.64
(1,3925)	1:15:A:GLU:HB3	1:91:B:CYS:HB3	17	0.64
(1,3898)	1:10:B:THR:HA	1:14:B:ILE:HB	15	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3870)	1:12:B:ARG:HD2	1:14:B:ILE:HA	2	0.64
(1,3869)	1:12:A:ARG:HD2	1:14:A:ILE:HA	2	0.64
(1,3864)	1:74:B:GLN:HG3	1:75:B:LEU:HD21	8	0.64
(1,3863)	1:74:A:GLN:HG3	1:75:A:LEU:HD21	8	0.64
(1,3862)	1:98:B:ALA:HB3	1:96:B:LEU:HD22	14	0.64
(1,3862)	1:98:B:ALA:HB1	1:96:B:LEU:HD21	15	0.64
(1,3861)	1:98:A:ALA:HB3	1:96:A:LEU:HD22	14	0.64
(1,3838)	1:33:B:THR:HA	1:34:B:LEU:HG	12	0.64
(1,3837)	1:33:A:THR:HA	1:34:A:LEU:HG	12	0.64
(1,3808)	1:37:B:THR:HB	1:39:B:PHE:H	15	0.64
(1,3807)	1:37:A:THR:HB	1:36:A:LYS:H	14	0.64
(1,3807)	1:37:A:THR:HB	1:39:A:PHE:H	15	0.64
(1,3800)	1:47:B:LEU:HA	1:87:B:LEU:HD21	3	0.64
(1,3799)	1:47:A:LEU:HA	1:87:A:LEU:HD21	3	0.64
(1,3786)	1:89:B:MET:HG3	1:87:B:LEU:H	16	0.64
(1,3786)	1:89:B:MET:HG3	1:87:B:LEU:H	18	0.64
(1,3785)	1:89:A:MET:HG3	1:87:A:LEU:H	16	0.64
(1,3761)	1:58:A:GLY:HA3	1:62:A:ARG:HG2	12	0.64
(1,3731)	1:25:A:ALA:HB3	1:35:A:SER:HB2	10	0.64
(1,3720)	1:47:B:LEU:HD13	1:10:A:THR:H	4	0.64
(1,3716)	1:14:B:ILE:HB	1:87:A:LEU:HD11	6	0.64
(1,3670)	1:69:B:THR:HA	1:70:B:ASN:HB2	4	0.64
(1,3669)	1:69:A:THR:HA	1:70:A:ASN:HB2	4	0.64
(1,3668)	1:17:B:LEU:HD12	1:16:B:SER:H	3	0.64
(1,3667)	1:17:A:LEU:HD12	1:16:A:SER:H	3	0.64
(1,3648)	1:12:B:ARG:HD2	1:14:B:ILE:HA	2	0.64
(1,3647)	1:12:A:ARG:HD2	1:14:A:ILE:HA	2	0.64
(1,3646)	1:12:B:ARG:HD2	1:14:B:ILE:HA	2	0.64
(1,3645)	1:12:A:ARG:HD2	1:14:A:ILE:HA	2	0.64
(1,3638)	1:34:B:LEU:HB3	1:24:B:TYR:HB3	12	0.64
(1,3637)	1:34:A:LEU:HB3	1:24:A:TYR:HB3	12	0.64
(1,3620)	1:97:B:LYS:HG3	1:93:B:ASP:HB3	4	0.64
(1,3619)	1:97:A:LYS:HG3	1:93:A:ASP:HB3	4	0.64
(1,3608)	1:37:B:THR:HG22	1:39:B:PHE:H	14	0.64
(1,3607)	1:37:A:THR:HG22	1:39:A:PHE:H	14	0.64
(1,3552)	1:47:B:LEU:HB2	1:11:A:GLU:HG3	18	0.64
(1,3551)	1:47:A:LEU:HB2	1:11:B:GLU:HG3	18	0.64
(1,3516)	1:51:B:THR:HG21	1:50:B:PHE:HB3	11	0.64
(1,3515)	1:51:A:THR:HG21	1:50:A:PHE:HB3	11	0.64
(1,3515)	1:51:A:THR:HG22	1:50:A:PHE:HB3	18	0.64
(1,3509)	1:7:A:PRO:HB2	1:12:A:ARG:HD2	7	0.64
(1,3506)	1:69:B:THR:HB	1:82:B:ASN:HB2	9	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3468)	1:75:B:LEU:HB3	1:33:B:THR:HA	15	0.64
(1,3467)	1:75:A:LEU:HB3	1:33:A:THR:HA	15	0.64
(1,3466)	1:100:B:PRO:HD2	1:98:B:ALA:HB3	3	0.64
(1,3462)	1:84:B:ILE:HB	1:80:B:PHE:HB3	9	0.64
(1,3462)	1:84:B:ILE:HB	1:80:B:PHE:HB3	19	0.64
(1,3461)	1:84:A:ILE:HB	1:80:A:PHE:HB3	9	0.64
(1,3461)	1:84:A:ILE:HB	1:80:A:PHE:HB3	19	0.64
(1,3392)	1:17:B:LEU:HD13	1:13:A:CYS:HA	14	0.64
(1,3392)	1:17:B:LEU:HD12	1:13:A:CYS:HA	15	0.64
(1,3392)	1:17:B:LEU:HD11	1:13:A:CYS:HA	17	0.64
(1,3391)	1:17:A:LEU:HD13	1:13:B:CYS:HA	14	0.64
(1,3391)	1:17:A:LEU:HD12	1:13:B:CYS:HA	15	0.64
(1,3358)	1:88:B:ALA:HB3	1:14:A:ILE:HB	3	0.64
(1,3354)	1:84:B:ILE:HG22	1:14:A:ILE:HD11	4	0.64
(1,3350)	1:14:B:ILE:HD11	1:88:A:ALA:HB3	18	0.64
(1,3349)	1:14:A:ILE:HD11	1:88:B:ALA:HB3	18	0.64
(1,3254)	1:62:B:ARG:H	1:61:B:ASP:HB2	19	0.64
(1,2825)	1:78:A:SER:H	1:89:B:MET:HG2	10	0.64
(1,2768)	1:80:B:PHE:H	1:75:B:LEU:HB2	16	0.64
(1,2767)	1:80:A:PHE:H	1:75:A:LEU:HB2	16	0.64
(1,2760)	1:34:B:LEU:H	1:34:B:LEU:HD23	13	0.64
(1,2759)	1:34:A:LEU:H	1:34:A:LEU:HD23	13	0.64
(1,2696)	1:82:B:ASN:H	1:83:B:LEU:HB2	17	0.64
(1,2695)	1:82:A:ASN:H	1:83:A:LEU:HB2	17	0.64
(1,2554)	1:38:B:GLU:H	1:40:B:LEU:HD22	4	0.64
(1,2554)	1:38:B:GLU:H	1:40:B:LEU:HD23	13	0.64
(1,2554)	1:38:B:GLU:H	1:40:B:LEU:HD21	17	0.64
(1,2553)	1:38:A:GLU:H	1:40:A:LEU:HD22	4	0.64
(1,2553)	1:38:A:GLU:H	1:40:A:LEU:HD23	13	0.64
(1,2553)	1:38:A:GLU:H	1:40:A:LEU:HD21	17	0.64
(1,1918)	1:94:B:SER:H	1:93:B:ASP:HB2	17	0.64
(1,1681)	1:50:A:PHE:HB2	1:47:A:LEU:HD21	1	0.64
(1,1605)	1:74:A:GLN:HG3	1:33:A:THR:HG22	14	0.64
(1,884)	1:34:B:LEU:HB3	1:80:B:PHE:HB2	13	0.64
(1,884)	1:34:B:LEU:HB3	1:80:B:PHE:HB2	17	0.64
(1,883)	1:34:A:LEU:HB3	1:80:A:PHE:HB2	13	0.64
(1,883)	1:34:A:LEU:HB3	1:80:A:PHE:HB2	17	0.64
(1,688)	1:46:B:GLU:HG3	1:20:B:VAL:HG22	16	0.64
(1,687)	1:46:A:GLU:HG3	1:20:A:VAL:HG22	16	0.64
(1,624)	1:34:B:LEU:HB2	1:38:B:GLU:HB2	7	0.64
(1,624)	1:34:B:LEU:HB2	1:38:B:GLU:HB2	13	0.64
(1,623)	1:34:A:LEU:HB2	1:38:A:GLU:HB2	7	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,623)	1:34:A:LEU:HB2	1:38:A:GLU:HB2	13	0.64
(1,623)	1:34:A:LEU:HB2	1:38:A:GLU:HB2	14	0.64
(1,347)	1:75:A:LEU:HD12	1:74:A:GLN:HA	7	0.64
(1,342)	1:69:B:THR:HB	1:75:B:LEU:HD21	9	0.64
(1,326)	1:96:B:LEU:HG	1:95:B:PHE:HB2	1	0.64
(1,326)	1:96:B:LEU:HG	1:95:B:PHE:HB3	13	0.64
(1,325)	1:96:A:LEU:HG	1:95:A:PHE:HB2	1	0.64
(1,325)	1:96:A:LEU:HG	1:95:A:PHE:HB3	13	0.64
(1,210)	1:76:B:ASP:HA	1:34:B:LEU:HB3	9	0.64
(1,40)	1:87:B:LEU:HD21	1:14:A:ILE:HD12	8	0.64
(1,40)	1:87:B:LEU:HD23	1:14:A:ILE:HD11	18	0.64
(1,39)	1:87:A:LEU:HD23	1:14:B:ILE:HD11	18	0.64
(1,13)	1:14:A:ILE:HG21	1:84:B:ILE:HG22	8	0.64
(1,5707)	1:14:A:ILE:H	1:14:A:ILE:HD11	2	0.63
(1,5676)	1:61:B:ASP:H	1:60:B:LEU:HG	9	0.63
(1,5675)	1:61:A:ASP:H	1:60:A:LEU:HG	9	0.63
(1,5675)	1:61:A:ASP:H	1:60:A:LEU:HG	16	0.63
(1,5621)	1:47:A:LEU:H	1:48:A:ALA:HB3	12	0.63
(1,5586)	1:46:B:GLU:H	1:45:B:THR:HG22	14	0.63
(1,5586)	1:46:B:GLU:H	1:45:B:THR:HG22	17	0.63
(1,5585)	1:46:A:GLU:H	1:45:A:THR:HG22	17	0.63
(1,5497)	1:76:A:ASP:H	1:72:A:ASP:HB3	13	0.63
(1,5478)	1:37:B:THR:H	1:40:B:LEU:HD11	15	0.63
(1,5472)	1:80:B:PHE:H	1:75:B:LEU:HD11	7	0.63
(1,5440)	1:93:B:ASP:H	1:96:B:LEU:HB2	2	0.63
(1,5400)	1:90:B:ALA:H	1:93:B:ASP:HB3	20	0.63
(1,5399)	1:90:A:ALA:H	1:93:A:ASP:HB3	20	0.63
(1,5373)	1:10:A:THR:H	1:47:B:LEU:HD23	15	0.63
(1,5350)	1:26:B:GLY:H	1:22:B:GLN:HB3	12	0.63
(1,5349)	1:26:A:GLY:H	1:22:A:GLN:HB3	7	0.63
(1,5314)	1:92:B:HIS:H	1:96:B:LEU:HD21	1	0.63
(1,5313)	1:92:A:HIS:H	1:96:A:LEU:HD21	1	0.63
(1,5202)	1:40:B:LEU:H	1:64:B:MET:HG3	3	0.63
(1,5201)	1:40:A:LEU:H	1:64:A:MET:HG3	3	0.63
(1,5201)	1:40:A:LEU:H	1:64:A:MET:HG2	8	0.63
(1,4832)	1:12:B:ARG:HD2	1:9:B:GLU:HA	1	0.63
(1,4832)	1:12:B:ARG:HD2	1:9:B:GLU:HA	11	0.63
(1,4831)	1:12:A:ARG:HD2	1:9:A:GLU:HA	1	0.63
(1,4831)	1:12:A:ARG:HD2	1:9:A:GLU:HA	11	0.63
(1,4758)	1:60:B:LEU:HD12	1:47:B:LEU:H	19	0.63
(1,4757)	1:60:A:LEU:HD12	1:47:A:LEU:H	19	0.63
(1,4755)	1:46:A:GLU:HB2	1:45:A:THR:HG22	14	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4670)	1:87:B:LEU:HG	1:47:B:LEU:HD13	16	0.63
(1,4669)	1:87:A:LEU:HG	1:47:A:LEU:HD13	16	0.63
(1,4550)	1:90:B:ALA:HB3	1:91:B:CYS:HB2	11	0.63
(1,4549)	1:90:A:ALA:HB3	1:91:A:CYS:HB2	11	0.63
(1,4549)	1:90:A:ALA:HB2	1:91:A:CYS:HB2	13	0.63
(1,4488)	1:84:B:ILE:HB	1:17:B:LEU:HD21	5	0.63
(1,4487)	1:84:A:ILE:HB	1:17:A:LEU:HD21	5	0.63
(1,4458)	1:18:B:ILE:HG21	1:19:B:ALA:HB2	15	0.63
(1,4457)	1:18:A:ILE:HG21	1:19:A:ALA:HB2	15	0.63
(1,4394)	1:17:B:LEU:HB2	1:15:B:GLU:HG3	6	0.63
(1,4393)	1:17:A:LEU:HB2	1:15:A:GLU:HG3	6	0.63
(1,4386)	1:96:B:LEU:H	1:98:B:ALA:HA	12	0.63
(1,4386)	1:96:B:LEU:H	1:98:B:ALA:HA	18	0.63
(1,4386)	1:96:B:LEU:H	1:98:B:ALA:HA	19	0.63
(1,4385)	1:96:A:LEU:H	1:98:A:ALA:HA	3	0.63
(1,4385)	1:96:A:LEU:H	1:98:A:ALA:HA	12	0.63
(1,4385)	1:96:A:LEU:H	1:98:A:ALA:HA	19	0.63
(1,4368)	1:44:B:ASN:HA	1:60:B:LEU:HD13	6	0.63
(1,4367)	1:44:A:ASN:HA	1:60:A:LEU:HD13	6	0.63
(1,4274)	1:89:B:MET:HB2	1:81:A:LEU:HD13	2	0.63
(1,4274)	1:89:B:MET:HB2	1:81:A:LEU:HD12	17	0.63
(1,4273)	1:89:A:MET:HB2	1:81:B:LEU:HD12	4	0.63
(1,4273)	1:89:A:MET:HB2	1:81:B:LEU:HD11	19	0.63
(1,4246)	1:89:B:MET:HB2	1:85:B:GLY:H	20	0.63
(1,4245)	1:89:A:MET:HB2	1:85:A:GLY:H	20	0.63
(1,4186)	1:40:B:LEU:HG	1:42:B:PHE:HB3	9	0.63
(1,4185)	1:40:A:LEU:HG	1:42:A:PHE:HB3	9	0.63
(1,4134)	1:82:B:ASN:HA	1:81:B:LEU:HD23	10	0.63
(1,4133)	1:82:A:ASN:HA	1:81:A:LEU:HD21	2	0.63
(1,4133)	1:82:A:ASN:HA	1:81:A:LEU:HD22	18	0.63
(1,4114)	1:18:B:ILE:H	1:17:B:LEU:HD13	6	0.63
(1,4114)	1:18:B:ILE:H	1:17:B:LEU:HD11	7	0.63
(1,4114)	1:18:B:ILE:H	1:17:B:LEU:HD11	13	0.63
(1,4113)	1:18:A:ILE:H	1:17:A:LEU:HD11	13	0.63
(1,4028)	1:99:B:VAL:HG22	1:102:B:GLN:H	17	0.63
(1,4027)	1:99:A:VAL:HG22	1:102:A:GLN:H	17	0.63
(1,3984)	1:60:B:LEU:HD12	1:52:B:LYS:H	19	0.63
(1,3983)	1:60:A:LEU:HD11	1:52:A:LYS:H	4	0.63
(1,3983)	1:60:A:LEU:HD12	1:52:A:LYS:H	19	0.63
(1,3971)	1:34:A:LEU:HD12	1:80:A:PHE:HB3	9	0.63
(1,3965)	1:9:A:GLU:HB2	1:12:A:ARG:HD2	8	0.63
(1,3955)	1:48:A:ALA:HA	1:50:A:PHE:HB3	20	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3930)	1:74:B:GLN:HA	1:34:B:LEU:HB3	7	0.63
(1,3929)	1:74:A:GLN:HA	1:34:A:LEU:HB3	7	0.63
(1,3870)	1:12:B:ARG:HD2	1:14:B:ILE:HA	19	0.63
(1,3869)	1:12:A:ARG:HD2	1:14:A:ILE:HA	19	0.63
(1,3864)	1:74:B:GLN:HG3	1:75:B:LEU:HD23	17	0.63
(1,3863)	1:74:A:GLN:HG3	1:75:A:LEU:HD23	17	0.63
(1,3862)	1:98:B:ALA:HB3	1:96:B:LEU:HD11	18	0.63
(1,3861)	1:98:A:ALA:HB1	1:96:A:LEU:HD22	4	0.63
(1,3861)	1:98:A:ALA:HB3	1:96:A:LEU:HD11	18	0.63
(1,3736)	1:37:B:THR:HB	1:35:B:SER:HA	5	0.63
(1,3736)	1:37:B:THR:HB	1:35:B:SER:HA	11	0.63
(1,3735)	1:37:A:THR:HB	1:35:A:SER:HA	5	0.63
(1,3735)	1:37:A:THR:HB	1:35:A:SER:HA	11	0.63
(1,3719)	1:47:A:LEU:HD13	1:10:B:THR:H	4	0.63
(1,3677)	1:74:A:GLN:HG2	1:34:A:LEU:HA	4	0.63
(1,3670)	1:69:B:THR:HA	1:70:B:ASN:HB2	3	0.63
(1,3670)	1:69:B:THR:HA	1:70:B:ASN:HB2	17	0.63
(1,3669)	1:69:A:THR:HA	1:70:A:ASN:HB2	3	0.63
(1,3669)	1:69:A:THR:HA	1:70:A:ASN:HB2	17	0.63
(1,3652)	1:47:B:LEU:HD22	1:10:A:THR:H	10	0.63
(1,3651)	1:47:A:LEU:HD22	1:10:B:THR:H	10	0.63
(1,3648)	1:12:B:ARG:HD2	1:14:B:ILE:HA	19	0.63
(1,3647)	1:12:A:ARG:HD2	1:14:A:ILE:HA	19	0.63
(1,3646)	1:12:B:ARG:HD2	1:14:B:ILE:HA	19	0.63
(1,3645)	1:12:A:ARG:HD2	1:14:A:ILE:HA	19	0.63
(1,3642)	1:21:B:PHE:HB2	1:22:B:GLN:HA	18	0.63
(1,3641)	1:21:A:PHE:HB2	1:22:A:GLN:HA	18	0.63
(1,3608)	1:37:B:THR:HG21	1:39:B:PHE:H	19	0.63
(1,3607)	1:37:A:THR:HG22	1:39:A:PHE:H	5	0.63
(1,3586)	1:11:B:GLU:HA	1:13:B:CYS:HB2	13	0.63
(1,3585)	1:11:A:GLU:HA	1:13:A:CYS:HB2	13	0.63
(1,3562)	1:76:B:ASP:HA	1:34:B:LEU:HD11	14	0.63
(1,3561)	1:76:A:ASP:HA	1:34:A:LEU:HD11	14	0.63
(1,3516)	1:51:B:THR:HG22	1:50:B:PHE:HB3	8	0.63
(1,3516)	1:51:B:THR:HG22	1:50:B:PHE:HB3	18	0.63
(1,3515)	1:51:A:THR:HG22	1:50:A:PHE:HB3	8	0.63
(1,3510)	1:7:B:PRO:HB2	1:12:B:ARG:HD2	7	0.63
(1,3510)	1:7:B:PRO:HB2	1:12:B:ARG:HD2	10	0.63
(1,3505)	1:69:A:THR:HB	1:82:A:ASN:HB2	13	0.63
(1,3465)	1:100:A:PRO:HD2	1:98:A:ALA:HB3	3	0.63
(1,3461)	1:84:A:ILE:HB	1:80:A:PHE:HB3	8	0.63
(1,3411)	1:22:A:GLN:HG2	1:102:B:GLN:HG3	4	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3357)	1:88:A:ALA:HB2	1:14:B:ILE:HB	9	0.63
(1,3353)	1:84:A:ILE:HG22	1:17:B:LEU:HD12	4	0.63
(1,3254)	1:62:B:ARG:H	1:61:B:ASP:HB2	9	0.63
(1,3253)	1:62:A:ARG:H	1:61:A:ASP:HB2	19	0.63
(1,2816)	1:11:B:GLU:H	1:8:B:THR:HG22	8	0.63
(1,2815)	1:11:A:GLU:H	1:8:A:THR:HG22	8	0.63
(1,2815)	1:11:A:GLU:H	1:8:A:THR:HG23	10	0.63
(1,2759)	1:34:A:LEU:H	1:34:A:LEU:HD22	8	0.63
(1,2696)	1:82:B:ASN:H	1:83:B:LEU:HB2	5	0.63
(1,2695)	1:82:A:ASN:H	1:83:A:LEU:HB2	5	0.63
(1,2636)	1:43:B:MET:H	1:34:B:LEU:HD22	12	0.63
(1,2635)	1:43:A:MET:H	1:34:A:LEU:HD22	12	0.63
(1,2554)	1:38:B:GLU:H	1:40:B:LEU:HD22	5	0.63
(1,2553)	1:38:A:GLU:H	1:40:A:LEU:HD22	5	0.63
(1,2482)	1:78:B:SER:H	1:33:B:THR:HG21	17	0.63
(1,2481)	1:78:A:SER:H	1:33:A:THR:HG21	17	0.63
(1,1918)	1:94:B:SER:H	1:93:B:ASP:HB2	13	0.63
(1,1917)	1:94:A:SER:H	1:93:A:ASP:HB2	2	0.63
(1,1870)	1:20:B:VAL:HG11	1:21:B:PHE:H	16	0.63
(1,1869)	1:20:A:VAL:HG11	1:21:A:PHE:H	16	0.63
(1,1638)	1:38:B:GLU:HA	1:27:B:LYS:HD2	17	0.63
(1,1606)	1:74:B:GLN:HG3	1:33:B:THR:HG23	11	0.63
(1,1606)	1:74:B:GLN:HG3	1:33:B:THR:HG22	14	0.63
(1,1605)	1:74:A:GLN:HG3	1:33:A:THR:HG23	7	0.63
(1,1210)	1:52:B:LYS:HE2	1:51:B:THR:HG21	4	0.63
(1,1209)	1:52:A:LYS:HE2	1:51:A:THR:HG21	4	0.63
(1,624)	1:34:B:LEU:HB2	1:38:B:GLU:HB2	2	0.63
(1,624)	1:34:B:LEU:HB2	1:38:B:GLU:HB2	18	0.63
(1,623)	1:34:A:LEU:HB2	1:38:A:GLU:HB2	2	0.63
(1,623)	1:34:A:LEU:HB2	1:38:A:GLU:HB2	18	0.63
(1,482)	1:8:B:THR:HA	1:10:B:THR:HG23	17	0.63
(1,482)	1:8:B:THR:HA	1:10:B:THR:HG22	18	0.63
(1,481)	1:8:A:THR:HA	1:10:A:THR:HG22	18	0.63
(1,348)	1:75:B:LEU:HD12	1:74:B:GLN:HA	7	0.63
(1,326)	1:96:B:LEU:HG	1:95:B:PHE:HB3	11	0.63
(1,325)	1:96:A:LEU:HG	1:95:A:PHE:HB3	11	0.63
(1,220)	1:75:B:LEU:HD11	1:68:B:ASP:HA	16	0.63
(1,219)	1:75:A:LEU:HD11	1:68:A:ASP:HA	16	0.63
(1,147)	1:18:A:ILE:HG22	1:92:B:HIS:H	16	0.63
(1,146)	1:78:B:SER:HB2	1:81:B:LEU:HB3	3	0.63
(1,39)	1:87:A:LEU:HD21	1:14:B:ILE:HD12	8	0.63
(1,14)	1:14:B:ILE:HG21	1:84:A:ILE:HG22	8	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14)	1:14:B:ILE:HG22	1:84:A:ILE:HG22	12	0.63
(1,13)	1:14:A:ILE:HG22	1:84:B:ILE:HG22	12	0.63
(2,124)	1:44:B:ASN:HB2	1:48:B:ALA:H	18	0.62
(2,123)	1:44:A:ASN:HB2	1:48:A:ALA:H	18	0.62
(2,86)	1:42:B:PHE:HB2	1:47:B:LEU:H	4	0.62
(2,85)	1:42:A:PHE:HB2	1:47:A:LEU:H	4	0.62
(1,5708)	1:14:B:ILE:H	1:14:B:ILE:HD11	2	0.62
(1,5676)	1:61:B:ASP:H	1:60:B:LEU:HG	14	0.62
(1,5675)	1:61:A:ASP:H	1:60:A:LEU:HG	14	0.62
(1,5675)	1:61:A:ASP:H	1:60:A:LEU:HG	20	0.62
(1,5622)	1:47:B:LEU:H	1:48:B:ALA:HB3	12	0.62
(1,5585)	1:46:A:GLU:H	1:45:A:THR:HG22	14	0.62
(1,5512)	1:42:B:PHE:H	1:46:B:GLU:HB2	17	0.62
(1,5511)	1:42:A:PHE:H	1:46:A:GLU:HB2	17	0.62
(1,5477)	1:37:A:THR:H	1:40:A:LEU:HD11	15	0.62
(1,5460)	1:22:B:GLN:H	1:20:B:VAL:HG21	6	0.62
(1,5444)	1:95:B:PHE:H	1:98:B:ALA:HB1	12	0.62
(1,5444)	1:95:B:PHE:H	1:98:B:ALA:HB3	14	0.62
(1,5443)	1:95:A:PHE:H	1:98:A:ALA:HB1	12	0.62
(1,5443)	1:95:A:PHE:H	1:98:A:ALA:HB3	14	0.62
(1,5390)	1:23:B:LYS:H	1:23:B:LYS:HE2	17	0.62
(1,5389)	1:23:A:LYS:H	1:23:A:LYS:HE2	17	0.62
(1,5350)	1:26:B:GLY:H	1:22:B:GLN:HB3	7	0.62
(1,5350)	1:26:B:GLY:H	1:22:B:GLN:HB3	14	0.62
(1,5320)	1:77:B:PHE:H	1:78:B:SER:HA	19	0.62
(1,5319)	1:77:A:PHE:H	1:78:A:SER:HA	19	0.62
(1,5314)	1:92:B:HIS:H	1:81:A:LEU:HD13	14	0.62
(1,5313)	1:92:A:HIS:H	1:81:B:LEU:HD13	14	0.62
(1,5313)	1:92:A:HIS:H	1:18:B:ILE:HG23	17	0.62
(1,5305)	1:81:A:LEU:H	1:89:B:MET:HG2	2	0.62
(1,5284)	1:98:B:ALA:H	1:96:B:LEU:HD23	6	0.62
(1,5283)	1:98:A:ALA:H	1:96:A:LEU:HD23	6	0.62
(1,5236)	1:28:B:ASP:H	1:25:B:ALA:HB2	2	0.62
(1,5235)	1:28:A:ASP:H	1:25:A:ALA:HB2	2	0.62
(1,5202)	1:40:B:LEU:H	1:64:B:MET:HG2	8	0.62
(1,5030)	1:65:B:LYS:HG2	1:65:B:LYS:HA	17	0.62
(1,4858)	1:23:B:LYS:HB2	1:23:B:LYS:HE3	18	0.62
(1,4832)	1:12:B:ARG:HD2	1:9:B:GLU:HA	10	0.62
(1,4831)	1:12:A:ARG:HD2	1:9:A:GLU:HA	10	0.62
(1,4790)	1:66:B:LYS:HB3	1:67:B:LEU:HD22	14	0.62
(1,4782)	1:8:B:THR:HB	1:7:B:PRO:HG2	11	0.62
(1,4781)	1:8:A:THR:HB	1:7:A:PRO:HG2	11	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4695)	1:20:A:VAL:HG11	1:47:A:LEU:HD22	1	0.62
(1,4670)	1:87:B:LEU:HG	1:47:B:LEU:HD12	15	0.62
(1,4669)	1:87:A:LEU:HG	1:47:A:LEU:HD13	17	0.62
(1,4652)	1:37:B:THR:HG21	1:41:B:SER:H	11	0.62
(1,4604)	1:47:B:LEU:HD11	1:42:B:PHE:HA	9	0.62
(1,4462)	1:100:B:PRO:HD3	1:99:B:VAL:HG21	17	0.62
(1,4461)	1:100:A:PRO:HD3	1:99:A:VAL:HG21	17	0.62
(1,4458)	1:18:B:ILE:HG23	1:19:B:ALA:HB1	7	0.62
(1,4457)	1:18:A:ILE:HG23	1:19:A:ALA:HB1	7	0.62
(1,4408)	1:91:B:CYS:HA	1:90:B:ALA:HB3	11	0.62
(1,4407)	1:91:A:CYS:HA	1:90:A:ALA:HB3	11	0.62
(1,4394)	1:17:B:LEU:HB2	1:9:A:GLU:HG3	4	0.62
(1,4394)	1:17:B:LEU:HB2	1:9:A:GLU:HG2	7	0.62
(1,4386)	1:96:B:LEU:H	1:98:B:ALA:HA	3	0.62
(1,4386)	1:96:B:LEU:H	1:98:B:ALA:HA	17	0.62
(1,4385)	1:96:A:LEU:H	1:98:A:ALA:HA	4	0.62
(1,4385)	1:96:A:LEU:H	1:98:A:ALA:HA	17	0.62
(1,4385)	1:96:A:LEU:H	1:98:A:ALA:HA	18	0.62
(1,4342)	1:83:B:LEU:HD12	1:86:B:GLY:H	14	0.62
(1,4342)	1:83:B:LEU:HD12	1:86:B:GLY:H	15	0.62
(1,4341)	1:83:A:LEU:HD12	1:86:A:GLY:H	14	0.62
(1,4341)	1:83:A:LEU:HD12	1:86:A:GLY:H	15	0.62
(1,4334)	1:68:B:ASP:HB2	1:67:B:LEU:HB2	20	0.62
(1,4333)	1:68:A:ASP:HB2	1:67:A:LEU:HB2	20	0.62
(1,4273)	1:89:A:MET:HB2	1:81:B:LEU:HD13	2	0.62
(1,4246)	1:89:B:MET:HB2	1:85:B:GLY:H	14	0.62
(1,4246)	1:89:B:MET:HB2	1:85:B:GLY:H	19	0.62
(1,4245)	1:89:A:MET:HB2	1:85:A:GLY:H	14	0.62
(1,4245)	1:89:A:MET:HB2	1:85:A:GLY:H	19	0.62
(1,4226)	1:65:B:LYS:HA	1:64:B:MET:HA	1	0.62
(1,4225)	1:65:A:LYS:HA	1:64:A:MET:HA	1	0.62
(1,4134)	1:82:B:ASN:HA	1:81:B:LEU:HD22	6	0.62
(1,4134)	1:82:B:ASN:HA	1:81:B:LEU:HD22	18	0.62
(1,4133)	1:82:A:ASN:HA	1:81:A:LEU:HD22	6	0.62
(1,4133)	1:82:A:ASN:HA	1:81:A:LEU:HD21	10	0.62
(1,4113)	1:18:A:ILE:H	1:17:A:LEU:HD13	6	0.62
(1,4102)	1:36:B:LYS:HD2	1:65:B:LYS:H	8	0.62
(1,4101)	1:36:A:LYS:HD2	1:65:A:LYS:H	8	0.62
(1,4050)	1:74:B:GLN:HG3	1:68:B:ASP:HB2	13	0.62
(1,4049)	1:74:A:GLN:HG3	1:68:A:ASP:HB2	13	0.62
(1,4049)	1:89:A:MET:HB2	1:91:A:CYS:HB3	16	0.62
(1,4028)	1:99:B:VAL:HG23	1:102:B:GLN:H	7	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4027)	1:99:A:VAL:HG23	1:102:A:GLN:H	7	0.62
(1,4023)	1:83:A:LEU:HB3	1:82:A:ASN:HB2	19	0.62
(1,3984)	1:60:B:LEU:HD11	1:52:B:LYS:H	4	0.62
(1,3984)	1:60:B:LEU:HD11	1:52:B:LYS:H	18	0.62
(1,3983)	1:60:A:LEU:HD11	1:52:A:LYS:H	18	0.62
(1,3972)	1:34:B:LEU:HD12	1:80:B:PHE:HB3	9	0.62
(1,3966)	1:9:B:GLU:HB2	1:12:B:ARG:HD2	8	0.62
(1,3956)	1:48:B:ALA:HA	1:50:B:PHE:HB3	20	0.62
(1,3904)	1:57:B:PRO:HA	1:59:B:VAL:HA	17	0.62
(1,3903)	1:57:A:PRO:HA	1:59:A:VAL:HA	17	0.62
(1,3892)	1:34:B:LEU:HD21	1:40:B:LEU:HA	11	0.62
(1,3891)	1:34:A:LEU:HD21	1:40:A:LEU:HA	11	0.62
(1,3870)	1:12:B:ARG:HD2	1:14:B:ILE:HA	17	0.62
(1,3869)	1:12:A:ARG:HD2	1:14:A:ILE:HA	17	0.62
(1,3864)	1:74:B:GLN:HG2	1:75:B:LEU:HD21	4	0.62
(1,3863)	1:74:A:GLN:HG2	1:75:A:LEU:HD21	4	0.62
(1,3862)	1:98:B:ALA:HB1	1:96:B:LEU:HD22	4	0.62
(1,3862)	1:98:B:ALA:HB1	1:96:B:LEU:HD21	12	0.62
(1,3861)	1:98:A:ALA:HB1	1:96:A:LEU:HD21	12	0.62
(1,3842)	1:63:B:MET:HG3	1:61:B:ASP:H	10	0.62
(1,3841)	1:63:A:MET:HG3	1:61:A:ASP:H	10	0.62
(1,3838)	1:33:B:THR:HA	1:34:B:LEU:HG	4	0.62
(1,3837)	1:33:A:THR:HA	1:34:A:LEU:HG	4	0.62
(1,3736)	1:37:B:THR:HB	1:35:B:SER:HA	18	0.62
(1,3735)	1:37:A:THR:HB	1:35:A:SER:HA	18	0.62
(1,3679)	1:33:A:THR:HB	1:34:A:LEU:HG	12	0.62
(1,3678)	1:74:B:GLN:HG2	1:34:B:LEU:HA	4	0.62
(1,3670)	1:69:B:THR:HA	1:70:B:ASN:HB2	12	0.62
(1,3648)	1:12:B:ARG:HD2	1:14:B:ILE:HA	17	0.62
(1,3647)	1:12:A:ARG:HD2	1:14:A:ILE:HA	17	0.62
(1,3646)	1:12:B:ARG:HD2	1:14:B:ILE:HA	17	0.62
(1,3645)	1:12:A:ARG:HD2	1:14:A:ILE:HA	17	0.62
(1,3608)	1:37:B:THR:HG22	1:39:B:PHE:H	5	0.62
(1,3607)	1:37:A:THR:HG21	1:39:A:PHE:H	19	0.62
(1,3606)	1:77:B:PHE:HB3	1:88:A:ALA:HB3	1	0.62
(1,3605)	1:77:A:PHE:HB3	1:88:B:ALA:HB3	1	0.62
(1,3510)	1:7:B:PRO:HB2	1:12:B:ARG:HD2	2	0.62
(1,3509)	1:7:A:PRO:HB2	1:12:A:ARG:HD2	2	0.62
(1,3509)	1:7:A:PRO:HB2	1:12:A:ARG:HD2	10	0.62
(1,3506)	1:69:B:THR:HB	1:82:B:ASN:HB2	13	0.62
(1,3482)	1:69:B:THR:HB	1:67:B:LEU:HD23	13	0.62
(1,3482)	1:69:B:THR:HB	1:67:B:LEU:HD22	19	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3481)	1:69:A:THR:HB	1:67:A:LEU:HD23	13	0.62
(1,3481)	1:69:A:THR:HB	1:67:A:LEU:HD22	19	0.62
(1,3474)	1:17:B:LEU:HG	1:21:B:PHE:H	8	0.62
(1,3474)	1:17:B:LEU:HG	1:21:B:PHE:H	17	0.62
(1,3473)	1:17:A:LEU:HG	1:21:A:PHE:H	8	0.62
(1,3473)	1:17:A:LEU:HG	1:21:A:PHE:H	17	0.62
(1,3462)	1:84:B:ILE:HB	1:80:B:PHE:HB3	8	0.62
(1,3442)	1:69:B:THR:HB	1:66:B:LYS:HG2	1	0.62
(1,3442)	1:69:B:THR:HB	1:66:B:LYS:HG2	10	0.62
(1,3441)	1:69:A:THR:HB	1:66:A:LYS:HG2	1	0.62
(1,3441)	1:69:A:THR:HB	1:66:A:LYS:HG2	10	0.62
(1,3416)	1:83:B:LEU:HG	1:80:B:PHE:HB3	6	0.62
(1,3358)	1:88:B:ALA:HB1	1:14:A:ILE:HB	8	0.62
(1,3254)	1:62:B:ARG:H	1:61:B:ASP:HB2	10	0.62
(1,3253)	1:62:A:ARG:H	1:61:A:ASP:HB2	9	0.62
(1,3253)	1:62:A:ARG:H	1:61:A:ASP:HB2	10	0.62
(1,3024)	1:76:B:ASP:H	1:75:B:LEU:HB2	8	0.62
(1,3024)	1:76:B:ASP:H	1:75:B:LEU:HB2	17	0.62
(1,3023)	1:76:A:ASP:H	1:75:A:LEU:HB2	8	0.62
(1,3023)	1:76:A:ASP:H	1:75:A:LEU:HB2	17	0.62
(1,2824)	1:24:B:TYR:H	1:25:B:ALA:HB1	18	0.62
(1,2823)	1:24:A:TYR:H	1:25:A:ALA:HB1	18	0.62
(1,2816)	1:11:B:GLU:H	1:8:B:THR:HG23	10	0.62
(1,2760)	1:34:B:LEU:H	1:34:B:LEU:HD22	8	0.62
(1,2760)	1:34:B:LEU:H	1:34:B:LEU:HD23	18	0.62
(1,2759)	1:34:A:LEU:H	1:34:A:LEU:HD23	18	0.62
(1,2698)	1:27:B:LYS:H	1:25:B:ALA:HB3	2	0.62
(1,2698)	1:27:B:LYS:H	1:25:B:ALA:HB1	13	0.62
(1,2697)	1:27:A:LYS:H	1:25:A:ALA:HB1	13	0.62
(1,2554)	1:38:B:GLU:H	1:40:B:LEU:HD23	18	0.62
(1,2553)	1:38:A:GLU:H	1:40:A:LEU:HD23	18	0.62
(1,2518)	1:41:B:SER:H	1:34:B:LEU:HD23	5	0.62
(1,2518)	1:41:B:SER:H	1:34:B:LEU:HD22	12	0.62
(1,1918)	1:94:B:SER:H	1:93:B:ASP:HB2	2	0.62
(1,1918)	1:94:B:SER:H	1:93:B:ASP:HB2	20	0.62
(1,1870)	1:20:B:VAL:HG12	1:21:B:PHE:H	10	0.62
(1,1869)	1:20:A:VAL:HG12	1:21:A:PHE:H	10	0.62
(1,1637)	1:38:A:GLU:HA	1:27:A:LYS:HD2	17	0.62
(1,1606)	1:74:B:GLN:HG3	1:33:B:THR:HG23	7	0.62
(1,1605)	1:74:A:GLN:HG3	1:33:A:THR:HG23	11	0.62
(1,1530)	1:9:B:GLU:H	1:8:B:THR:HG22	19	0.62
(1,1529)	1:9:A:GLU:H	1:8:A:THR:HG22	19	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1500)	1:18:B:ILE:HG21	1:22:B:GLN:HG3	8	0.62
(1,1499)	1:18:A:ILE:HG21	1:22:A:GLN:HG3	8	0.62
(1,1210)	1:52:B:LYS:HE2	1:51:B:THR:HG23	2	0.62
(1,1209)	1:52:A:LYS:HE2	1:51:A:THR:HG23	2	0.62
(1,624)	1:34:B:LEU:HB2	1:38:B:GLU:HB2	4	0.62
(1,624)	1:34:B:LEU:HB2	1:38:B:GLU:HB2	20	0.62
(1,623)	1:34:A:LEU:HB2	1:38:A:GLU:HB2	4	0.62
(1,623)	1:34:A:LEU:HB2	1:38:A:GLU:HB2	20	0.62
(1,481)	1:8:A:THR:HA	1:10:A:THR:HG23	16	0.62
(1,481)	1:8:A:THR:HA	1:10:A:THR:HG23	17	0.62
(1,348)	1:75:B:LEU:HD12	1:74:B:GLN:HA	15	0.62
(1,347)	1:75:A:LEU:HD12	1:74:A:GLN:HA	15	0.62
(1,210)	1:76:B:ASP:HA	1:34:B:LEU:HB3	5	0.62
(1,209)	1:76:A:ASP:HA	1:34:A:LEU:HB3	5	0.62
(1,145)	1:78:A:SER:HB2	1:81:A:LEU:HB3	3	0.62
(1,5708)	1:14:B:ILE:H	1:14:B:ILE:HD12	17	0.61
(1,5707)	1:14:A:ILE:H	1:14:A:ILE:HD12	17	0.61
(1,5676)	1:61:B:ASP:H	1:60:B:LEU:HG	20	0.61
(1,5622)	1:47:B:LEU:H	1:48:B:ALA:HB1	7	0.61
(1,5621)	1:47:A:LEU:H	1:48:A:ALA:HB1	7	0.61
(1,5586)	1:46:B:GLU:H	1:45:B:THR:HG23	6	0.61
(1,5585)	1:46:A:GLU:H	1:45:A:THR:HG23	6	0.61
(1,5471)	1:80:A:PHE:H	1:75:A:LEU:HD11	7	0.61
(1,5459)	1:22:A:GLN:H	1:20:A:VAL:HG21	6	0.61
(1,5440)	1:93:B:ASP:H	1:96:B:LEU:HB2	3	0.61
(1,5439)	1:93:A:ASP:H	1:96:A:LEU:HB2	3	0.61
(1,5320)	1:77:B:PHE:H	1:78:B:SER:HA	5	0.61
(1,5319)	1:77:A:PHE:H	1:78:A:SER:HA	5	0.61
(1,5314)	1:92:B:HIS:H	1:96:B:LEU:HD21	16	0.61
(1,5313)	1:92:A:HIS:H	1:96:A:LEU:HD21	16	0.61
(1,5306)	1:81:B:LEU:H	1:89:A:MET:HG2	2	0.61
(1,5029)	1:65:A:LYS:HG2	1:65:A:LYS:HA	17	0.61
(1,4938)	1:10:B:THR:HG21	1:87:A:LEU:HD21	3	0.61
(1,4857)	1:23:A:LYS:HB2	1:23:A:LYS:HE3	18	0.61
(1,4789)	1:66:A:LYS:HB3	1:67:A:LEU:HD22	14	0.61
(1,4696)	1:20:B:VAL:HG11	1:47:B:LEU:HD22	1	0.61
(1,4670)	1:87:B:LEU:HG	1:47:B:LEU:HD13	17	0.61
(1,4669)	1:87:A:LEU:HG	1:47:A:LEU:HD12	15	0.61
(1,4652)	1:37:B:THR:HG22	1:41:B:SER:H	1	0.61
(1,4651)	1:37:A:THR:HG22	1:41:A:SER:H	1	0.61
(1,4651)	1:37:A:THR:HG21	1:41:A:SER:H	11	0.61
(1,4603)	1:47:A:LEU:HD11	1:42:A:PHE:HA	9	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4550)	1:88:B:ALA:HB2	1:91:B:CYS:HB3	5	0.61
(1,4550)	1:90:B:ALA:HB3	1:91:B:CYS:HB2	12	0.61
(1,4549)	1:88:A:ALA:HB2	1:91:A:CYS:HB3	5	0.61
(1,4464)	1:83:B:LEU:HD11	1:86:B:GLY:H	7	0.61
(1,4463)	1:83:A:LEU:HD11	1:86:A:GLY:H	7	0.61
(1,4408)	1:91:B:CYS:HA	1:90:B:ALA:HB1	8	0.61
(1,4407)	1:91:A:CYS:HA	1:90:A:ALA:HB1	8	0.61
(1,4386)	1:96:B:LEU:H	1:98:B:ALA:HA	4	0.61
(1,4342)	1:83:B:LEU:HD11	1:86:B:GLY:H	10	0.61
(1,4341)	1:83:A:LEU:HD11	1:86:A:GLY:H	10	0.61
(1,4274)	1:89:B:MET:HB2	1:81:A:LEU:HD11	19	0.61
(1,4273)	1:89:A:MET:HB2	1:81:B:LEU:HD12	17	0.61
(1,4226)	1:65:B:LYS:HA	1:64:B:MET:HA	17	0.61
(1,4225)	1:65:A:LYS:HA	1:64:A:MET:HA	4	0.61
(1,4225)	1:65:A:LYS:HA	1:64:A:MET:HA	17	0.61
(1,4196)	1:52:B:LYS:HD2	1:44:B:ASN:HB3	19	0.61
(1,4195)	1:52:A:LYS:HD2	1:44:A:ASN:HB3	19	0.61
(1,4188)	1:11:B:GLU:HA	1:13:B:CYS:HA	6	0.61
(1,4188)	1:11:B:GLU:HA	1:13:B:CYS:HA	16	0.61
(1,4187)	1:11:A:GLU:HA	1:13:A:CYS:HA	6	0.61
(1,4187)	1:11:A:GLU:HA	1:13:A:CYS:HA	16	0.61
(1,4114)	1:18:B:ILE:H	1:17:B:LEU:HD13	5	0.61
(1,4113)	1:18:A:ILE:H	1:17:A:LEU:HD13	5	0.61
(1,4058)	1:18:B:ILE:HG23	1:91:A:CYS:HB3	14	0.61
(1,4050)	1:74:B:GLN:HG3	1:68:B:ASP:HB2	14	0.61
(1,4050)	1:89:B:MET:HB2	1:91:B:CYS:HB3	16	0.61
(1,4049)	1:74:A:GLN:HG3	1:68:A:ASP:HB2	14	0.61
(1,4024)	1:83:B:LEU:HB3	1:82:B:ASN:HB2	2	0.61
(1,4024)	1:83:B:LEU:HB3	1:82:B:ASN:HB2	19	0.61
(1,3958)	1:17:B:LEU:HG	1:16:B:SER:HB3	19	0.61
(1,3940)	1:75:B:LEU:HD13	1:67:B:LEU:H	20	0.61
(1,3939)	1:75:A:LEU:HD13	1:67:A:LEU:H	20	0.61
(1,3862)	1:98:B:ALA:HB3	1:96:B:LEU:HD22	16	0.61
(1,3861)	1:98:A:ALA:HB3	1:96:A:LEU:HD22	16	0.61
(1,3807)	1:37:A:THR:HB	1:36:A:LYS:H	11	0.61
(1,3807)	1:37:A:THR:HB	1:36:A:LYS:H	18	0.61
(1,3790)	1:91:B:CYS:HA	1:18:A:ILE:HG21	7	0.61
(1,3780)	1:48:B:ALA:HA	1:50:B:PHE:HB3	15	0.61
(1,3779)	1:48:A:ALA:HA	1:50:A:PHE:HB3	15	0.61
(1,3736)	1:37:B:THR:HB	1:35:B:SER:HA	6	0.61
(1,3735)	1:37:A:THR:HB	1:35:A:SER:HA	6	0.61
(1,3735)	1:37:A:THR:HB	1:35:A:SER:HA	15	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3731)	1:25:A:ALA:HB2	1:35:A:SER:HB2	12	0.61
(1,3684)	1:73:B:GLY:HA3	1:74:B:GLN:HB2	10	0.61
(1,3683)	1:73:A:GLY:HA3	1:74:A:GLN:HB2	10	0.61
(1,3680)	1:33:B:THR:HB	1:34:B:LEU:HG	12	0.61
(1,3670)	1:69:B:THR:HA	1:70:B:ASN:HB2	9	0.61
(1,3669)	1:69:A:THR:HA	1:70:A:ASN:HB2	9	0.61
(1,3669)	1:69:A:THR:HA	1:70:A:ASN:HB2	12	0.61
(1,3668)	1:17:B:LEU:HD12	1:16:B:SER:H	9	0.61
(1,3606)	1:77:B:PHE:HB3	1:88:A:ALA:HB3	8	0.61
(1,3534)	1:47:B:LEU:HB2	1:11:A:GLU:HG3	18	0.61
(1,3530)	1:34:B:LEU:HB2	1:39:B:PHE:HA	20	0.61
(1,3499)	1:73:A:GLY:HA2	1:72:A:ASP:HB2	18	0.61
(1,3482)	1:69:B:THR:HB	1:67:B:LEU:HD21	4	0.61
(1,3481)	1:69:A:THR:HB	1:67:A:LEU:HD21	4	0.61
(1,3481)	1:69:A:THR:HB	1:67:A:LEU:HD21	5	0.61
(1,3470)	1:75:B:LEU:HA	1:79:B:GLU:HA	10	0.61
(1,3469)	1:75:A:LEU:HA	1:79:A:GLU:HA	10	0.61
(1,3462)	1:84:B:ILE:HB	1:80:B:PHE:HB3	3	0.61
(1,3461)	1:84:A:ILE:HB	1:80:A:PHE:HB3	3	0.61
(1,3454)	1:87:B:LEU:HB2	1:89:B:MET:HB2	15	0.61
(1,3453)	1:87:A:LEU:HB2	1:89:A:MET:HB2	15	0.61
(1,3415)	1:83:A:LEU:HG	1:80:A:PHE:HB3	6	0.61
(1,3412)	1:22:B:GLN:HG2	1:100:A:PRO:HB2	11	0.61
(1,3391)	1:17:A:LEU:HD11	1:13:B:CYS:HA	17	0.61
(1,3377)	1:8:A:THR:HG21	1:48:B:ALA:HA	8	0.61
(1,3372)	1:10:B:THR:HG21	1:87:A:LEU:HD21	3	0.61
(1,3358)	1:88:B:ALA:HB3	1:14:A:ILE:HB	11	0.61
(1,3358)	1:88:B:ALA:HB3	1:14:A:ILE:HB	19	0.61
(1,3138)	1:76:B:ASP:H	1:75:B:LEU:HD21	15	0.61
(1,3137)	1:76:A:ASP:H	1:75:A:LEU:HD21	15	0.61
(1,3024)	1:76:B:ASP:H	1:75:B:LEU:HB2	16	0.61
(1,3023)	1:76:A:ASP:H	1:75:A:LEU:HB2	16	0.61
(1,2697)	1:27:A:LYS:H	1:25:A:ALA:HB3	2	0.61
(1,2518)	1:41:B:SER:H	1:34:B:LEU:HD21	6	0.61
(1,2517)	1:41:A:SER:H	1:34:A:LEU:HD23	5	0.61
(1,2517)	1:41:A:SER:H	1:34:A:LEU:HD21	6	0.61
(1,2517)	1:41:A:SER:H	1:34:A:LEU:HD22	12	0.61
(1,2000)	1:33:B:THR:HG21	1:76:B:ASP:HB3	17	0.61
(1,1999)	1:33:A:THR:HG21	1:76:A:ASP:HB3	17	0.61
(1,1917)	1:94:A:SER:H	1:93:A:ASP:HB2	13	0.61
(1,1917)	1:94:A:SER:H	1:93:A:ASP:HB2	20	0.61
(1,1682)	1:50:B:PHE:HB2	1:47:B:LEU:HD22	12	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1681)	1:50:A:PHE:HB2	1:47:A:LEU:HD22	12	0.61
(1,1608)	1:47:B:LEU:HB2	1:50:B:PHE:HB3	10	0.61
(1,1608)	1:47:B:LEU:HB2	1:50:B:PHE:HB3	17	0.61
(1,1607)	1:47:A:LEU:HB2	1:50:A:PHE:HB3	17	0.61
(1,1606)	1:74:B:GLN:HG3	1:33:B:THR:HG21	8	0.61
(1,1198)	1:97:B:LYS:HB3	1:97:B:LYS:HE3	14	0.61
(1,1197)	1:97:A:LYS:HB3	1:97:A:LYS:HE3	14	0.61
(1,1030)	1:38:B:GLU:HB3	1:24:B:TYR:HB2	7	0.61
(1,1029)	1:38:A:GLU:HB3	1:24:A:TYR:HB2	7	0.61
(1,708)	1:67:B:LEU:HB2	1:66:B:LYS:HB2	9	0.61
(1,707)	1:67:A:LEU:HB2	1:66:A:LYS:HB2	9	0.61
(1,624)	1:34:B:LEU:HB2	1:38:B:GLU:HB2	5	0.61
(1,623)	1:34:A:LEU:HB2	1:38:A:GLU:HB2	5	0.61
(1,482)	1:8:B:THR:HA	1:10:B:THR:HG23	16	0.61
(1,481)	1:8:A:THR:HA	1:10:A:THR:HG21	19	0.61
(1,476)	1:67:B:LEU:HB3	1:75:B:LEU:HB2	14	0.61
(1,476)	1:67:B:LEU:HB3	1:75:B:LEU:HB2	18	0.61
(1,475)	1:67:A:LEU:HB3	1:75:A:LEU:HB2	14	0.61
(1,475)	1:67:A:LEU:HB3	1:75:A:LEU:HB2	18	0.61
(1,326)	1:96:B:LEU:HG	1:95:B:PHE:HB2	16	0.61
(1,325)	1:96:A:LEU:HG	1:95:A:PHE:HB2	16	0.61
(1,210)	1:76:B:ASP:HA	1:34:B:LEU:HB3	19	0.61
(1,209)	1:76:A:ASP:HA	1:34:A:LEU:HB3	19	0.61
(1,148)	1:18:B:ILE:HG22	1:92:A:HIS:H	16	0.61
(2,145)	1:15:A:GLU:HG2	1:11:A:GLU:HG2	18	0.6
(2,124)	1:44:B:ASN:HB2	1:48:B:ALA:H	5	0.6
(2,16)	1:61:B:ASP:HB2	1:62:B:ARG:HD2	3	0.6
(2,16)	1:61:B:ASP:HB2	1:62:B:ARG:HD2	8	0.6
(2,15)	1:61:A:ASP:HB2	1:62:A:ARG:HD2	3	0.6
(2,15)	1:61:A:ASP:HB2	1:62:A:ARG:HD2	8	0.6
(1,5791)	1:66:A:LYS:H	1:66:A:LYS:HB3	9	0.6
(1,5622)	1:47:B:LEU:H	1:48:B:ALA:HB3	4	0.6
(1,5621)	1:47:A:LEU:H	1:48:A:ALA:HB3	4	0.6
(1,5586)	1:46:B:GLU:H	1:45:B:THR:HG23	5	0.6
(1,5586)	1:46:B:GLU:H	1:45:B:THR:HG23	18	0.6
(1,5585)	1:46:A:GLU:H	1:45:A:THR:HG23	5	0.6
(1,5585)	1:46:A:GLU:H	1:45:A:THR:HG23	18	0.6
(1,5444)	1:95:B:PHE:H	1:98:B:ALA:HB1	6	0.6
(1,5443)	1:95:A:PHE:H	1:98:A:ALA:HB3	3	0.6
(1,5443)	1:95:A:PHE:H	1:98:A:ALA:HB1	6	0.6
(1,5440)	1:93:B:ASP:H	1:96:B:LEU:HB2	4	0.6
(1,5439)	1:93:A:ASP:H	1:96:A:LEU:HB2	4	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5386)	1:40:B:LEU:H	1:75:B:LEU:HD12	15	0.6
(1,5385)	1:40:A:LEU:H	1:75:A:LEU:HD12	15	0.6
(1,5373)	1:10:A:THR:H	1:47:B:LEU:HD22	1	0.6
(1,5320)	1:77:B:PHE:H	1:78:B:SER:HA	15	0.6
(1,5319)	1:77:A:PHE:H	1:78:A:SER:HA	15	0.6
(1,5312)	1:16:B:SER:H	1:18:B:ILE:HG23	13	0.6
(1,5311)	1:16:A:SER:H	1:18:A:ILE:HG23	13	0.6
(1,5296)	1:76:B:ASP:H	1:33:B:THR:HB	6	0.6
(1,5280)	1:28:B:ASP:H	1:34:B:LEU:HD23	13	0.6
(1,5279)	1:28:A:ASP:H	1:34:A:LEU:HD23	13	0.6
(1,5224)	1:21:B:PHE:H	1:25:B:ALA:HB2	7	0.6
(1,5223)	1:21:A:PHE:H	1:25:A:ALA:HB2	7	0.6
(1,4974)	1:37:B:THR:HA	1:40:B:LEU:HD22	12	0.6
(1,4973)	1:83:A:LEU:HD23	1:80:A:PHE:HA	1	0.6
(1,4973)	1:37:A:THR:HA	1:40:A:LEU:HD22	12	0.6
(1,4937)	1:10:A:THR:HG21	1:87:B:LEU:HD21	3	0.6
(1,4898)	1:88:B:ALA:HB2	1:17:A:LEU:HD13	2	0.6
(1,4898)	1:88:B:ALA:HB3	1:17:A:LEU:HD11	11	0.6
(1,4897)	1:88:A:ALA:HB2	1:17:B:LEU:HD13	2	0.6
(1,4897)	1:88:A:ALA:HB3	1:17:B:LEU:HD11	11	0.6
(1,4790)	1:66:B:LYS:HB3	1:67:B:LEU:HD22	15	0.6
(1,4789)	1:66:A:LYS:HB3	1:67:A:LEU:HD22	15	0.6
(1,4782)	1:8:B:THR:HB	1:7:B:PRO:HG2	10	0.6
(1,4781)	1:8:A:THR:HB	1:7:A:PRO:HG2	10	0.6
(1,4670)	1:87:B:LEU:HG	1:47:B:LEU:HD12	8	0.6
(1,4669)	1:87:A:LEU:HG	1:47:A:LEU:HD12	8	0.6
(1,4622)	1:89:B:MET:HA	1:88:B:ALA:HB3	1	0.6
(1,4622)	1:89:B:MET:HA	1:88:B:ALA:HB1	9	0.6
(1,4621)	1:89:A:MET:HA	1:88:A:ALA:HB3	1	0.6
(1,4621)	1:89:A:MET:HA	1:88:A:ALA:HB1	9	0.6
(1,4600)	1:43:B:MET:H	1:60:B:LEU:HD13	20	0.6
(1,4599)	1:43:A:MET:H	1:60:A:LEU:HD13	20	0.6
(1,4549)	1:90:A:ALA:HB3	1:91:A:CYS:HB2	12	0.6
(1,4458)	1:18:B:ILE:HG22	1:19:B:ALA:HB1	9	0.6
(1,4457)	1:18:A:ILE:HG22	1:19:A:ALA:HB1	9	0.6
(1,4408)	1:91:B:CYS:HA	1:90:B:ALA:HB2	5	0.6
(1,4408)	1:91:B:CYS:HA	1:90:B:ALA:HB3	7	0.6
(1,4408)	1:91:B:CYS:HA	1:90:B:ALA:HB2	10	0.6
(1,4407)	1:91:A:CYS:HA	1:90:A:ALA:HB2	5	0.6
(1,4393)	1:17:A:LEU:HB2	1:9:B:GLU:HG3	4	0.6
(1,4226)	1:65:B:LYS:HA	1:64:B:MET:HA	4	0.6
(1,4226)	1:65:B:LYS:HA	1:64:B:MET:HA	12	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4225)	1:65:A:LYS:HA	1:64:A:MET:HA	12	0.6
(1,4225)	1:65:A:LYS:HA	1:64:A:MET:HA	15	0.6
(1,4225)	1:65:A:LYS:HA	1:64:A:MET:HA	20	0.6
(1,4196)	1:52:B:LYS:HD3	1:44:B:ASN:HB3	16	0.6
(1,4195)	1:52:A:LYS:HD3	1:44:A:ASN:HB3	16	0.6
(1,4127)	1:95:A:PHE:H	1:98:A:ALA:HB2	9	0.6
(1,4094)	1:38:B:GLU:HB3	1:27:B:LYS:HE3	14	0.6
(1,4093)	1:38:A:GLU:HB3	1:27:A:LYS:HE3	14	0.6
(1,4064)	1:23:B:LYS:HD3	1:24:B:TYR:H	19	0.6
(1,4050)	1:74:B:GLN:HG3	1:68:B:ASP:HB2	19	0.6
(1,4049)	1:74:A:GLN:HG3	1:68:A:ASP:HB2	19	0.6
(1,4023)	1:83:A:LEU:HB3	1:82:A:ASN:HB2	2	0.6
(1,3958)	1:17:B:LEU:HG	1:16:B:SER:HB3	5	0.6
(1,3957)	1:17:A:LEU:HG	1:16:A:SER:HB3	19	0.6
(1,3914)	1:35:B:SER:HA	1:34:B:LEU:HG	20	0.6
(1,3913)	1:35:A:SER:HA	1:34:A:LEU:HG	20	0.6
(1,3870)	1:12:B:ARG:HD2	1:14:B:ILE:HA	7	0.6
(1,3870)	1:12:B:ARG:HD3	1:14:B:ILE:HA	14	0.6
(1,3869)	1:12:A:ARG:HD2	1:14:A:ILE:HA	7	0.6
(1,3869)	1:12:A:ARG:HD3	1:14:A:ILE:HA	14	0.6
(1,3808)	1:37:B:THR:HB	1:36:B:LYS:H	11	0.6
(1,3808)	1:37:B:THR:HB	1:36:B:LYS:H	18	0.6
(1,3790)	1:91:B:CYS:HA	1:18:A:ILE:HG23	17	0.6
(1,3786)	1:63:B:MET:HG3	1:61:B:ASP:H	7	0.6
(1,3786)	1:89:B:MET:HG3	1:87:B:LEU:H	12	0.6
(1,3785)	1:63:A:MET:HG3	1:61:A:ASP:H	7	0.6
(1,3785)	1:89:A:MET:HG3	1:87:A:LEU:H	12	0.6
(1,3736)	1:37:B:THR:HB	1:35:B:SER:HA	15	0.6
(1,3732)	1:25:B:ALA:HB2	1:35:B:SER:HB2	12	0.6
(1,3719)	1:47:A:LEU:HD11	1:10:B:THR:H	15	0.6
(1,3683)	1:73:A:GLY:HA3	1:74:A:GLN:HB2	19	0.6
(1,3670)	1:69:B:THR:HA	1:70:B:ASN:HB2	19	0.6
(1,3669)	1:69:A:THR:HA	1:70:A:ASN:HB2	19	0.6
(1,3667)	1:17:A:LEU:HD12	1:16:A:SER:H	9	0.6
(1,3648)	1:12:B:ARG:HD2	1:14:B:ILE:HA	7	0.6
(1,3648)	1:12:B:ARG:HD3	1:14:B:ILE:HA	14	0.6
(1,3647)	1:12:A:ARG:HD2	1:14:A:ILE:HA	7	0.6
(1,3647)	1:12:A:ARG:HD3	1:14:A:ILE:HA	14	0.6
(1,3646)	1:12:B:ARG:HD2	1:14:B:ILE:HA	7	0.6
(1,3646)	1:12:B:ARG:HD3	1:14:B:ILE:HA	14	0.6
(1,3645)	1:12:A:ARG:HD2	1:14:A:ILE:HA	7	0.6
(1,3645)	1:12:A:ARG:HD3	1:14:A:ILE:HA	14	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3638)	1:34:B:LEU:HB3	1:24:B:TYR:HB3	17	0.6
(1,3608)	1:37:B:THR:HG21	1:39:B:PHE:H	15	0.6
(1,3607)	1:37:A:THR:HG21	1:39:A:PHE:H	15	0.6
(1,3605)	1:77:A:PHE:HB3	1:88:B:ALA:HB3	8	0.6
(1,3588)	1:76:B:ASP:HB2	1:77:B:PHE:HB3	14	0.6
(1,3587)	1:76:A:ASP:HB2	1:77:A:PHE:HB3	14	0.6
(1,3586)	1:11:B:GLU:HA	1:13:B:CYS:HB2	4	0.6
(1,3585)	1:11:A:GLU:HA	1:13:A:CYS:HB2	4	0.6
(1,3578)	1:51:B:THR:HB	1:44:B:ASN:HB3	6	0.6
(1,3533)	1:47:A:LEU:HB2	1:11:B:GLU:HG3	18	0.6
(1,3529)	1:34:A:LEU:HB2	1:39:A:PHE:HA	20	0.6
(1,3500)	1:73:B:GLY:HA2	1:72:B:ASP:HB2	18	0.6
(1,3482)	1:69:B:THR:HB	1:67:B:LEU:HD21	5	0.6
(1,3481)	1:69:A:THR:HB	1:67:A:LEU:HD21	12	0.6
(1,3468)	1:75:B:LEU:HB3	1:33:B:THR:HA	13	0.6
(1,3467)	1:75:A:LEU:HB3	1:33:A:THR:HA	13	0.6
(1,3454)	1:81:B:LEU:HB2	1:77:B:PHE:HB2	18	0.6
(1,3453)	1:81:A:LEU:HB2	1:77:A:PHE:HB2	18	0.6
(1,3411)	1:22:A:GLN:HG2	1:100:B:PRO:HB2	11	0.6
(1,3380)	1:20:B:VAL:HG13	1:12:A:ARG:HG3	6	0.6
(1,3371)	1:10:A:THR:HG21	1:87:B:LEU:HD21	3	0.6
(1,3357)	1:88:A:ALA:HB3	1:14:B:ILE:HB	11	0.6
(1,3350)	1:14:B:ILE:HD11	1:88:A:ALA:HB3	19	0.6
(1,3138)	1:76:B:ASP:H	1:75:B:LEU:HD23	9	0.6
(1,3137)	1:76:A:ASP:H	1:75:A:LEU:HD23	9	0.6
(1,3102)	1:9:B:GLU:H	1:8:B:THR:HG23	8	0.6
(1,3102)	1:9:B:GLU:H	1:8:B:THR:HG23	14	0.6
(1,3101)	1:9:A:GLU:H	1:8:A:THR:HG23	14	0.6
(1,3024)	1:76:B:ASP:H	1:75:B:LEU:HB2	11	0.6
(1,3024)	1:76:B:ASP:H	1:75:B:LEU:HB2	12	0.6
(1,3023)	1:76:A:ASP:H	1:75:A:LEU:HB2	11	0.6
(1,3023)	1:76:A:ASP:H	1:75:A:LEU:HB2	12	0.6
(1,2816)	1:11:B:GLU:H	1:8:B:THR:HG22	12	0.6
(1,2815)	1:11:A:GLU:H	1:8:A:THR:HG22	12	0.6
(1,2760)	1:34:B:LEU:H	1:34:B:LEU:HD21	1	0.6
(1,2760)	1:34:B:LEU:H	1:34:B:LEU:HD22	3	0.6
(1,2760)	1:34:B:LEU:H	1:34:B:LEU:HD21	19	0.6
(1,2759)	1:34:A:LEU:H	1:34:A:LEU:HD21	1	0.6
(1,2759)	1:34:A:LEU:H	1:34:A:LEU:HD22	3	0.6
(1,2759)	1:34:A:LEU:H	1:34:A:LEU:HD21	19	0.6
(1,2698)	1:27:B:LYS:H	1:25:B:ALA:HB1	3	0.6
(1,2697)	1:27:A:LYS:H	1:25:A:ALA:HB1	3	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2696)	1:82:B:ASN:H	1:83:B:LEU:HB2	13	0.6
(1,2695)	1:82:A:ASN:H	1:83:A:LEU:HB2	13	0.6
(1,2482)	1:78:B:SER:H	1:33:B:THR:HG22	12	0.6
(1,2481)	1:78:A:SER:H	1:33:A:THR:HG22	12	0.6
(1,2332)	1:96:B:LEU:HB2	1:97:B:LYS:HE2	19	0.6
(1,2306)	1:96:B:LEU:HB2	1:97:B:LYS:HE2	19	0.6
(1,2110)	1:33:B:THR:HG21	1:76:B:ASP:HB3	16	0.6
(1,2109)	1:33:A:THR:HG21	1:76:A:ASP:HB3	16	0.6
(1,1870)	1:20:B:VAL:HG11	1:21:B:PHE:H	14	0.6
(1,1869)	1:20:A:VAL:HG11	1:21:A:PHE:H	14	0.6
(1,1628)	1:24:B:TYR:HB3	1:42:B:PHE:HB3	4	0.6
(1,1627)	1:24:A:TYR:HB3	1:42:A:PHE:HB3	4	0.6
(1,1607)	1:47:A:LEU:HB2	1:50:A:PHE:HB3	10	0.6
(1,1605)	1:74:A:GLN:HG3	1:33:A:THR:HG21	8	0.6
(1,1530)	1:9:B:GLU:H	1:8:B:THR:HG22	16	0.6
(1,1529)	1:9:A:GLU:H	1:8:A:THR:HG22	16	0.6
(1,1198)	1:97:B:LYS:HB3	1:97:B:LYS:HE3	2	0.6
(1,1197)	1:97:A:LYS:HB3	1:97:A:LYS:HE3	2	0.6
(1,1016)	1:9:B:GLU:HG2	1:13:B:CYS:HB3	9	0.6
(1,1015)	1:9:A:GLU:HG2	1:13:A:CYS:HB3	9	0.6
(1,950)	1:94:B:SER:HB2	1:91:B:CYS:HB2	13	0.6
(1,949)	1:94:A:SER:HB2	1:91:A:CYS:HB2	13	0.6
(1,856)	1:9:B:GLU:HG2	1:17:A:LEU:HD22	15	0.6
(1,855)	1:9:A:GLU:HG2	1:17:B:LEU:HD22	15	0.6
(1,816)	1:9:B:GLU:HG2	1:10:B:THR:HG22	13	0.6
(1,815)	1:9:A:GLU:HG2	1:10:A:THR:HG22	13	0.6
(1,482)	1:8:B:THR:HA	1:10:B:THR:HG21	19	0.6
(1,422)	1:18:B:ILE:HG22	1:95:A:PHE:H	1	0.6
(1,422)	1:18:B:ILE:HG21	1:95:A:PHE:H	9	0.6
(1,304)	1:22:B:GLN:HB2	1:18:B:ILE:H	13	0.6
(1,303)	1:22:A:GLN:HB2	1:18:A:ILE:H	13	0.6
(1,218)	1:18:B:ILE:HA	1:95:A:PHE:HB3	14	0.6
(1,210)	1:76:B:ASP:HA	1:34:B:LEU:HB3	8	0.6
(1,209)	1:76:A:ASP:HA	1:34:A:LEU:HB3	8	0.6
(1,40)	1:87:B:LEU:HD22	1:14:A:ILE:HD11	16	0.6
(1,39)	1:87:A:LEU:HD22	1:14:B:ILE:HD11	16	0.6
(2,146)	1:15:B:GLU:HG2	1:11:B:GLU:HG2	18	0.59
(2,124)	1:44:B:ASN:HB2	1:48:B:ALA:H	3	0.59
(2,124)	1:44:B:ASN:HB2	1:48:B:ALA:H	16	0.59
(2,123)	1:44:A:ASN:HB2	1:48:A:ALA:H	3	0.59
(2,123)	1:44:A:ASN:HB2	1:48:A:ALA:H	5	0.59
(2,123)	1:44:A:ASN:HB2	1:48:A:ALA:H	16	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,86)	1:42:B:PHE:HB2	1:47:B:LEU:H	7	0.59
(2,85)	1:42:A:PHE:HB2	1:47:A:LEU:H	7	0.59
(2,16)	1:61:B:ASP:HB2	1:62:B:ARG:HD2	14	0.59
(2,15)	1:61:A:ASP:HB2	1:62:A:ARG:HD2	12	0.59
(2,15)	1:61:A:ASP:HB2	1:62:A:ARG:HD2	14	0.59
(1,5792)	1:66:B:LYS:H	1:66:B:LYS:HB3	9	0.59
(1,5708)	1:14:B:ILE:H	1:14:B:ILE:HD11	5	0.59
(1,5708)	1:14:B:ILE:H	1:14:B:ILE:HD13	11	0.59
(1,5708)	1:14:B:ILE:H	1:14:B:ILE:HD11	20	0.59
(1,5707)	1:14:A:ILE:H	1:14:A:ILE:HD11	5	0.59
(1,5707)	1:14:A:ILE:H	1:14:A:ILE:HD13	11	0.59
(1,5707)	1:14:A:ILE:H	1:14:A:ILE:HD11	20	0.59
(1,5703)	1:81:A:LEU:H	1:81:A:LEU:HD21	2	0.59
(1,5622)	1:47:B:LEU:H	1:48:B:ALA:HB1	11	0.59
(1,5621)	1:47:A:LEU:H	1:48:A:ALA:HB1	11	0.59
(1,5586)	1:46:B:GLU:H	1:45:B:THR:HG22	4	0.59
(1,5585)	1:46:A:GLU:H	1:45:A:THR:HG22	4	0.59
(1,5478)	1:37:B:THR:H	1:40:B:LEU:HD13	7	0.59
(1,5477)	1:37:A:THR:H	1:40:A:LEU:HD13	7	0.59
(1,5476)	1:50:B:PHE:H	1:47:B:LEU:HD23	20	0.59
(1,5475)	1:50:A:PHE:H	1:47:A:LEU:HD23	20	0.59
(1,5472)	1:80:B:PHE:H	1:75:B:LEU:HD21	14	0.59
(1,5444)	1:95:B:PHE:H	1:98:B:ALA:HB3	3	0.59
(1,5444)	1:95:B:PHE:H	1:98:B:ALA:HB1	7	0.59
(1,5444)	1:95:B:PHE:H	1:98:B:ALA:HB2	17	0.59
(1,5444)	1:95:B:PHE:H	1:98:B:ALA:HB1	20	0.59
(1,5443)	1:95:A:PHE:H	1:98:A:ALA:HB1	7	0.59
(1,5443)	1:95:A:PHE:H	1:98:A:ALA:HB2	17	0.59
(1,5439)	1:93:A:ASP:H	1:96:A:LEU:HB2	9	0.59
(1,5399)	1:59:A:VAL:H	1:61:A:ASP:HB3	7	0.59
(1,5374)	1:10:B:THR:H	1:47:A:LEU:HD22	1	0.59
(1,5373)	1:10:A:THR:H	1:47:B:LEU:HD21	16	0.59
(1,5295)	1:76:A:ASP:H	1:33:A:THR:HB	6	0.59
(1,5224)	1:21:B:PHE:H	1:25:B:ALA:HB3	1	0.59
(1,5224)	1:21:B:PHE:H	1:25:B:ALA:HB3	11	0.59
(1,5224)	1:21:B:PHE:H	1:25:B:ALA:HB1	14	0.59
(1,5223)	1:21:A:PHE:H	1:25:A:ALA:HB3	1	0.59
(1,5223)	1:21:A:PHE:H	1:25:A:ALA:HB3	11	0.59
(1,5223)	1:21:A:PHE:H	1:25:A:ALA:HB1	14	0.59
(1,5150)	1:36:B:LYS:HD3	1:36:B:LYS:HE2	7	0.59
(1,5150)	1:36:B:LYS:HD2	1:36:B:LYS:HE3	18	0.59
(1,5149)	1:36:A:LYS:HD3	1:36:A:LYS:HE2	7	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5149)	1:66:A:LYS:HD2	1:66:A:LYS:HE3	18	0.59
(1,5030)	1:62:B:ARG:HG3	1:62:B:ARG:HA	18	0.59
(1,5029)	1:62:A:ARG:HG3	1:62:A:ARG:HA	18	0.59
(1,4974)	1:83:B:LEU:HD23	1:80:B:PHE:HA	1	0.59
(1,4974)	1:83:B:LEU:HD23	1:80:B:PHE:HA	18	0.59
(1,4974)	1:83:B:LEU:HD22	1:80:B:PHE:HA	19	0.59
(1,4973)	1:83:A:LEU:HD23	1:80:A:PHE:HA	18	0.59
(1,4973)	1:83:A:LEU:HD22	1:80:A:PHE:HA	19	0.59
(1,4882)	1:37:B:THR:HG21	1:40:B:LEU:HB2	5	0.59
(1,4881)	1:37:A:THR:HG21	1:40:A:LEU:HB2	5	0.59
(1,4790)	1:66:B:LYS:HB3	1:67:B:LEU:HD23	10	0.59
(1,4789)	1:66:A:LYS:HB3	1:67:A:LEU:HD23	10	0.59
(1,4696)	1:20:B:VAL:HG13	1:47:B:LEU:HD23	18	0.59
(1,4695)	1:20:A:VAL:HG13	1:47:A:LEU:HD23	18	0.59
(1,4604)	1:47:B:LEU:HD11	1:42:B:PHE:HA	20	0.59
(1,4603)	1:47:A:LEU:HD11	1:42:A:PHE:HA	20	0.59
(1,4572)	1:47:B:LEU:HD13	1:39:B:PHE:HA	15	0.59
(1,4548)	1:50:B:PHE:HB2	1:47:B:LEU:HD21	1	0.59
(1,4515)	1:94:A:SER:HB2	1:95:A:PHE:HB2	2	0.59
(1,4488)	1:84:B:ILE:HB	1:17:B:LEU:HD23	9	0.59
(1,4488)	1:84:B:ILE:HB	1:17:B:LEU:HD23	12	0.59
(1,4487)	1:84:A:ILE:HB	1:17:A:LEU:HD23	12	0.59
(1,4408)	1:91:B:CYS:HA	1:90:B:ALA:HB3	1	0.59
(1,4408)	1:91:B:CYS:HA	1:90:B:ALA:HB2	13	0.59
(1,4407)	1:91:A:CYS:HA	1:90:A:ALA:HB3	1	0.59
(1,4407)	1:91:A:CYS:HA	1:90:A:ALA:HB3	7	0.59
(1,4407)	1:91:A:CYS:HA	1:90:A:ALA:HB2	10	0.59
(1,4407)	1:91:A:CYS:HA	1:90:A:ALA:HB2	13	0.59
(1,4376)	1:74:B:GLN:H	1:33:B:THR:HG23	7	0.59
(1,4375)	1:74:A:GLN:H	1:33:A:THR:HG23	7	0.59
(1,4298)	1:44:B:ASN:HA	1:47:B:LEU:HD11	20	0.59
(1,4297)	1:44:A:ASN:HA	1:47:A:LEU:HD11	20	0.59
(1,4270)	1:25:B:ALA:HB2	1:24:B:TYR:HB2	15	0.59
(1,4269)	1:25:A:ALA:HB2	1:24:A:TYR:HB2	15	0.59
(1,4246)	1:89:B:MET:HB2	1:85:B:GLY:H	7	0.59
(1,4245)	1:89:A:MET:HB2	1:85:A:GLY:H	7	0.59
(1,4226)	1:65:B:LYS:HA	1:64:B:MET:HA	5	0.59
(1,4226)	1:65:B:LYS:HA	1:64:B:MET:HA	15	0.59
(1,4226)	1:65:B:LYS:HA	1:64:B:MET:HA	19	0.59
(1,4226)	1:65:B:LYS:HA	1:64:B:MET:HA	20	0.59
(1,4225)	1:65:A:LYS:HA	1:64:A:MET:HA	5	0.59
(1,4225)	1:65:A:LYS:HA	1:64:A:MET:HA	19	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4202)	1:11:B:GLU:HG2	1:8:B:THR:HG23	17	0.59
(1,4186)	1:57:B:PRO:HG2	1:61:B:ASP:HB3	16	0.59
(1,4185)	1:57:A:PRO:HG2	1:61:A:ASP:HB3	16	0.59
(1,4128)	1:95:B:PHE:H	1:98:B:ALA:HB3	1	0.59
(1,4128)	1:95:B:PHE:H	1:98:B:ALA:HB1	4	0.59
(1,4128)	1:95:B:PHE:H	1:98:B:ALA:HB2	5	0.59
(1,4128)	1:95:B:PHE:H	1:98:B:ALA:HB2	9	0.59
(1,4127)	1:95:A:PHE:H	1:98:A:ALA:HB2	5	0.59
(1,4114)	1:18:B:ILE:H	1:17:B:LEU:HD12	12	0.59
(1,4113)	1:18:A:ILE:H	1:17:A:LEU:HD12	12	0.59
(1,4102)	1:36:B:LYS:HD3	1:65:B:LYS:H	10	0.59
(1,4102)	1:36:B:LYS:HD3	1:65:B:LYS:H	11	0.59
(1,4101)	1:36:A:LYS:HD3	1:65:A:LYS:H	10	0.59
(1,4101)	1:36:A:LYS:HD3	1:65:A:LYS:H	11	0.59
(1,4074)	1:18:B:ILE:HA	1:19:B:ALA:HA	4	0.59
(1,4074)	1:18:B:ILE:HA	1:19:B:ALA:HA	5	0.59
(1,4074)	1:18:B:ILE:HA	1:19:B:ALA:HA	17	0.59
(1,4073)	1:18:A:ILE:HA	1:19:A:ALA:HA	4	0.59
(1,4073)	1:18:A:ILE:HA	1:19:A:ALA:HA	5	0.59
(1,4063)	1:23:A:LYS:HD3	1:24:A:TYR:H	19	0.59
(1,4057)	1:18:A:ILE:HG23	1:91:B:CYS:HB3	14	0.59
(1,4050)	1:74:B:GLN:HG3	1:68:B:ASP:HB2	1	0.59
(1,4044)	1:57:B:PRO:HG2	1:61:B:ASP:HB2	1	0.59
(1,4043)	1:57:A:PRO:HG2	1:61:A:ASP:HB2	1	0.59
(1,4027)	1:99:A:VAL:HG22	1:102:A:GLN:H	15	0.59
(1,3984)	1:60:B:LEU:HD11	1:52:B:LYS:H	15	0.59
(1,3983)	1:60:A:LEU:HD11	1:52:A:LYS:H	15	0.59
(1,3958)	1:17:B:LEU:HG	1:16:B:SER:HB3	3	0.59
(1,3957)	1:17:A:LEU:HG	1:16:A:SER:HB3	3	0.59
(1,3957)	1:17:A:LEU:HG	1:16:A:SER:HB3	5	0.59
(1,3938)	1:65:B:LYS:HG2	1:64:B:MET:HA	11	0.59
(1,3937)	1:65:A:LYS:HG2	1:64:A:MET:HA	11	0.59
(1,3926)	1:15:B:GLU:HB3	1:91:A:CYS:HB3	17	0.59
(1,3872)	1:39:B:PHE:H	1:34:B:LEU:HD13	12	0.59
(1,3871)	1:39:A:PHE:H	1:34:A:LEU:HD13	12	0.59
(1,3870)	1:12:B:ARG:HD3	1:14:B:ILE:HA	8	0.59
(1,3864)	1:74:B:GLN:HG2	1:75:B:LEU:HD22	18	0.59
(1,3846)	1:8:B:THR:HA	1:12:B:ARG:HG2	2	0.59
(1,3845)	1:8:A:THR:HA	1:12:A:ARG:HG2	2	0.59
(1,3808)	1:37:B:THR:HB	1:39:B:PHE:H	17	0.59
(1,3807)	1:37:A:THR:HB	1:36:A:LYS:H	12	0.59
(1,3807)	1:37:A:THR:HB	1:39:A:PHE:H	17	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3786)	1:89:B:MET:HG3	1:87:B:LEU:H	13	0.59
(1,3785)	1:89:A:MET:HG3	1:87:A:LEU:H	13	0.59
(1,3730)	1:18:B:ILE:HG22	1:95:A:PHE:HA	19	0.59
(1,3720)	1:47:B:LEU:HD11	1:10:A:THR:H	15	0.59
(1,3692)	1:13:B:CYS:HB2	1:17:A:LEU:HB3	15	0.59
(1,3691)	1:13:A:CYS:HB2	1:17:B:LEU:HB3	15	0.59
(1,3684)	1:73:B:GLY:HA3	1:74:B:GLN:HB2	19	0.59
(1,3670)	1:69:B:THR:HA	1:70:B:ASN:HB2	10	0.59
(1,3667)	1:17:A:LEU:HD12	1:16:A:SER:H	16	0.59
(1,3648)	1:12:B:ARG:HD3	1:14:B:ILE:HA	8	0.59
(1,3646)	1:12:B:ARG:HD3	1:14:B:ILE:HA	8	0.59
(1,3637)	1:34:A:LEU:HB3	1:24:A:TYR:HB3	17	0.59
(1,3577)	1:51:A:THR:HB	1:44:A:ASN:HB3	6	0.59
(1,3516)	1:51:B:THR:HG22	1:50:B:PHE:HB3	3	0.59
(1,3516)	1:51:B:THR:HG23	1:50:B:PHE:HB3	19	0.59
(1,3515)	1:51:A:THR:HG22	1:50:A:PHE:HB3	3	0.59
(1,3515)	1:51:A:THR:HG23	1:50:A:PHE:HB3	19	0.59
(1,3510)	1:7:B:PRO:HB2	1:12:B:ARG:HD3	20	0.59
(1,3509)	1:7:A:PRO:HB2	1:12:A:ARG:HD3	20	0.59
(1,3506)	1:69:B:THR:HB	1:82:B:ASN:HB2	2	0.59
(1,3505)	1:69:A:THR:HB	1:82:A:ASN:HB2	2	0.59
(1,3482)	1:69:B:THR:HB	1:67:B:LEU:HD21	12	0.59
(1,3473)	1:17:A:LEU:HG	1:21:A:PHE:H	11	0.59
(1,3464)	1:96:B:LEU:HB3	1:95:B:PHE:HB2	9	0.59
(1,3463)	1:96:A:LEU:HB3	1:95:A:PHE:HB2	9	0.59
(1,3442)	1:69:B:THR:HB	1:66:B:LYS:HG2	16	0.59
(1,3441)	1:69:A:THR:HB	1:66:A:LYS:HG2	16	0.59
(1,3388)	1:17:B:LEU:HD23	1:88:A:ALA:HB1	3	0.59
(1,3357)	1:88:A:ALA:HB1	1:14:B:ILE:HB	8	0.59
(1,3349)	1:14:A:ILE:HD11	1:88:B:ALA:HB3	17	0.59
(1,3253)	1:62:A:ARG:H	1:61:A:ASP:HB2	1	0.59
(1,3102)	1:9:B:GLU:H	1:8:B:THR:HG23	3	0.59
(1,3102)	1:9:B:GLU:H	1:8:B:THR:HG23	5	0.59
(1,3102)	1:9:B:GLU:H	1:8:B:THR:HG21	7	0.59
(1,3102)	1:9:B:GLU:H	1:8:B:THR:HG22	20	0.59
(1,3101)	1:9:A:GLU:H	1:8:A:THR:HG23	3	0.59
(1,3101)	1:9:A:GLU:H	1:8:A:THR:HG23	5	0.59
(1,3101)	1:9:A:GLU:H	1:8:A:THR:HG21	7	0.59
(1,3101)	1:9:A:GLU:H	1:8:A:THR:HG23	8	0.59
(1,3101)	1:9:A:GLU:H	1:8:A:THR:HG22	20	0.59
(1,3024)	1:76:B:ASP:H	1:75:B:LEU:HB2	7	0.59
(1,3023)	1:76:A:ASP:H	1:75:A:LEU:HB2	7	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2760)	1:34:B:LEU:H	1:34:B:LEU:HD21	12	0.59
(1,2636)	1:43:B:MET:H	1:34:B:LEU:HD22	19	0.59
(1,2635)	1:43:A:MET:H	1:34:A:LEU:HD22	19	0.59
(1,2331)	1:96:A:LEU:HB2	1:97:A:LYS:HE2	19	0.59
(1,2305)	1:96:A:LEU:HB2	1:97:A:LYS:HE2	19	0.59
(1,1870)	1:20:B:VAL:HG13	1:21:B:PHE:H	3	0.59
(1,1870)	1:20:B:VAL:HG11	1:21:B:PHE:H	6	0.59
(1,1870)	1:20:B:VAL:HG13	1:21:B:PHE:H	20	0.59
(1,1869)	1:20:A:VAL:HG13	1:21:A:PHE:H	3	0.59
(1,1869)	1:20:A:VAL:HG11	1:21:A:PHE:H	6	0.59
(1,1869)	1:20:A:VAL:HG13	1:21:A:PHE:H	20	0.59
(1,1858)	1:57:B:PRO:HD3	1:57:B:PRO:HA	16	0.59
(1,1857)	1:57:A:PRO:HD3	1:57:A:PRO:HA	16	0.59
(1,1608)	1:47:B:LEU:HB2	1:50:B:PHE:HB3	2	0.59
(1,1607)	1:47:A:LEU:HB2	1:50:A:PHE:HB3	2	0.59
(1,1530)	1:9:B:GLU:H	1:8:B:THR:HG23	13	0.59
(1,1529)	1:9:A:GLU:H	1:8:A:THR:HG23	13	0.59
(1,1499)	1:18:A:ILE:HG22	1:22:A:GLN:HG3	13	0.59
(1,1499)	1:18:A:ILE:HG21	1:22:A:GLN:HG2	17	0.59
(1,1398)	1:68:B:ASP:HB3	1:75:B:LEU:HD21	20	0.59
(1,1397)	1:68:A:ASP:HB3	1:75:A:LEU:HD21	20	0.59
(1,1030)	1:38:B:GLU:HB3	1:24:B:TYR:HB2	2	0.59
(1,1030)	1:38:B:GLU:HB3	1:24:B:TYR:HB2	5	0.59
(1,1029)	1:38:A:GLU:HB3	1:24:A:TYR:HB2	2	0.59
(1,1029)	1:38:A:GLU:HB3	1:24:A:TYR:HB2	5	0.59
(1,884)	1:34:B:LEU:HB3	1:80:B:PHE:HB2	20	0.59
(1,883)	1:34:A:LEU:HB3	1:80:A:PHE:HB2	20	0.59
(1,855)	1:9:A:GLU:HG3	1:17:B:LEU:HD21	16	0.59
(1,482)	1:8:B:THR:HA	1:10:B:THR:HG23	6	0.59
(1,481)	1:8:A:THR:HA	1:10:A:THR:HG23	6	0.59
(1,421)	1:18:A:ILE:HG22	1:95:B:PHE:H	1	0.59
(1,421)	1:18:A:ILE:HG23	1:95:B:PHE:H	4	0.59
(1,321)	1:22:A:GLN:HG2	1:25:A:ALA:HB1	20	0.59
(1,218)	1:18:B:ILE:HA	1:95:A:PHE:HB3	2	0.59
(1,218)	1:18:B:ILE:HA	1:95:A:PHE:HB3	8	0.59
(1,217)	1:18:A:ILE:HA	1:95:B:PHE:HB3	2	0.59
(1,217)	1:18:A:ILE:HA	1:95:B:PHE:HB3	8	0.59
(1,217)	1:18:A:ILE:HA	1:95:B:PHE:HB3	14	0.59
(1,39)	1:87:A:LEU:HD21	1:14:B:ILE:HD11	3	0.59
(1,14)	1:14:B:ILE:HG23	1:84:A:ILE:HG22	13	0.59
(1,13)	1:14:A:ILE:HG23	1:84:B:ILE:HG22	13	0.59
(1,12)	1:18:B:ILE:HG22	1:94:A:SER:HB2	1	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,16)	1:61:B:ASP:HB2	1:62:B:ARG:HD2	12	0.58
(1,5708)	1:14:B:ILE:H	1:14:B:ILE:HD13	8	0.58
(1,5707)	1:14:A:ILE:H	1:14:A:ILE:HD13	8	0.58
(1,5707)	1:14:A:ILE:H	1:14:A:ILE:HD13	10	0.58
(1,5704)	1:81:B:LEU:H	1:81:B:LEU:HD21	2	0.58
(1,5676)	1:61:B:ASP:H	1:60:B:LEU:HG	19	0.58
(1,5675)	1:61:A:ASP:H	1:60:A:LEU:HG	19	0.58
(1,5622)	1:47:B:LEU:H	1:48:B:ALA:HB1	17	0.58
(1,5586)	1:46:B:GLU:H	1:45:B:THR:HG23	9	0.58
(1,5585)	1:46:A:GLU:H	1:45:A:THR:HG23	9	0.58
(1,5476)	1:50:B:PHE:H	1:47:B:LEU:HD21	1	0.58
(1,5476)	1:50:B:PHE:H	1:47:B:LEU:HD22	12	0.58
(1,5475)	1:50:A:PHE:H	1:47:A:LEU:HD21	1	0.58
(1,5472)	1:80:B:PHE:H	1:75:B:LEU:HD13	9	0.58
(1,5472)	1:80:B:PHE:H	1:75:B:LEU:HD13	13	0.58
(1,5471)	1:80:A:PHE:H	1:75:A:LEU:HD13	13	0.58
(1,5471)	1:80:A:PHE:H	1:75:A:LEU:HD21	14	0.58
(1,5444)	1:95:B:PHE:H	1:98:B:ALA:HB3	8	0.58
(1,5443)	1:95:A:PHE:H	1:98:A:ALA:HB3	8	0.58
(1,5443)	1:95:A:PHE:H	1:98:A:ALA:HB1	20	0.58
(1,5440)	1:93:B:ASP:H	1:96:B:LEU:HB2	9	0.58
(1,5400)	1:59:B:VAL:H	1:61:B:ASP:HB3	1	0.58
(1,5400)	1:90:B:ALA:H	1:89:B:MET:HG2	6	0.58
(1,5400)	1:59:B:VAL:H	1:61:B:ASP:HB3	7	0.58
(1,5400)	1:90:B:ALA:H	1:89:B:MET:HG2	14	0.58
(1,5399)	1:90:A:ALA:H	1:89:A:MET:HG2	6	0.58
(1,5399)	1:90:A:ALA:H	1:89:A:MET:HG2	14	0.58
(1,5374)	1:10:B:THR:H	1:47:A:LEU:HD21	13	0.58
(1,5374)	1:10:B:THR:H	1:47:A:LEU:HD21	16	0.58
(1,5284)	1:98:B:ALA:H	1:96:B:LEU:HD22	2	0.58
(1,5284)	1:98:B:ALA:H	1:96:B:LEU:HD21	17	0.58
(1,5283)	1:98:A:ALA:H	1:96:A:LEU:HD22	2	0.58
(1,5283)	1:98:A:ALA:H	1:96:A:LEU:HD22	10	0.58
(1,5283)	1:98:A:ALA:H	1:96:A:LEU:HD21	17	0.58
(1,5266)	1:8:B:THR:H	1:47:A:LEU:HD22	9	0.58
(1,5242)	1:81:B:LEU:H	1:77:B:PHE:H	9	0.58
(1,5241)	1:81:A:LEU:H	1:77:A:PHE:H	9	0.58
(1,5150)	1:36:B:LYS:HD2	1:36:B:LYS:HE3	1	0.58
(1,5149)	1:36:A:LYS:HD2	1:36:A:LYS:HE3	1	0.58
(1,5149)	1:36:A:LYS:HD2	1:36:A:LYS:HE3	16	0.58
(1,4974)	1:83:B:LEU:HD23	1:80:B:PHE:HA	2	0.58
(1,4973)	1:83:A:LEU:HD23	1:80:A:PHE:HA	2	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4938)	1:10:B:THR:HG23	1:87:A:LEU:HD23	15	0.58
(1,4904)	1:82:B:ASN:HB2	1:80:B:PHE:HB3	9	0.58
(1,4903)	1:82:A:ASN:HB2	1:80:A:PHE:HB3	9	0.58
(1,4882)	1:37:B:THR:HG23	1:40:B:LEU:HB2	13	0.58
(1,4670)	1:87:B:LEU:HG	1:47:B:LEU:HD13	3	0.58
(1,4669)	1:87:A:LEU:HG	1:47:A:LEU:HD13	3	0.58
(1,4652)	1:37:B:THR:HG21	1:41:B:SER:H	16	0.58
(1,4651)	1:37:A:THR:HG23	1:41:A:SER:H	3	0.58
(1,4651)	1:37:A:THR:HG21	1:41:A:SER:H	16	0.58
(1,4628)	1:60:B:LEU:HD21	1:47:B:LEU:H	18	0.58
(1,4622)	1:89:B:MET:HA	1:88:B:ALA:HB2	18	0.58
(1,4621)	1:89:A:MET:HA	1:88:A:ALA:HB2	18	0.58
(1,4600)	1:43:B:MET:H	1:60:B:LEU:HD13	10	0.58
(1,4599)	1:43:A:MET:H	1:60:A:LEU:HD13	10	0.58
(1,4571)	1:47:A:LEU:HD13	1:39:A:PHE:HA	15	0.58
(1,4547)	1:50:A:PHE:HB2	1:47:A:LEU:HD21	1	0.58
(1,4535)	1:64:A:MET:HG3	1:75:A:LEU:HD22	14	0.58
(1,4516)	1:94:B:SER:HB2	1:95:B:PHE:HB2	2	0.58
(1,4487)	1:84:A:ILE:HB	1:17:A:LEU:HD23	9	0.58
(1,4408)	1:91:B:CYS:HA	1:90:B:ALA:HB1	17	0.58
(1,4398)	1:13:B:CYS:HB2	1:17:A:LEU:HD12	1	0.58
(1,4397)	1:13:A:CYS:HB2	1:17:B:LEU:HD12	1	0.58
(1,4393)	1:17:A:LEU:HB2	1:9:B:GLU:HG2	9	0.58
(1,4385)	1:96:A:LEU:H	1:98:A:ALA:HA	7	0.58
(1,4348)	1:82:B:ASN:HB2	1:80:B:PHE:HB3	9	0.58
(1,4347)	1:82:A:ASN:HB2	1:80:A:PHE:HB3	9	0.58
(1,4306)	1:34:B:LEU:HD13	1:39:B:PHE:HA	6	0.58
(1,4306)	1:34:B:LEU:HD11	1:39:B:PHE:HA	10	0.58
(1,4305)	1:34:A:LEU:HD13	1:39:A:PHE:HA	6	0.58
(1,4305)	1:34:A:LEU:HD11	1:39:A:PHE:HA	10	0.58
(1,4257)	1:10:A:THR:HA	1:14:A:ILE:HD11	15	0.58
(1,4244)	1:91:B:CYS:HA	1:18:A:ILE:HB	6	0.58
(1,4201)	1:11:A:GLU:HG2	1:8:A:THR:HG23	17	0.58
(1,4188)	1:11:B:GLU:HA	1:13:B:CYS:HA	15	0.58
(1,4174)	1:67:B:LEU:HD21	1:64:B:MET:HA	2	0.58
(1,4173)	1:67:A:LEU:HD21	1:64:A:MET:HA	2	0.58
(1,4128)	1:95:B:PHE:H	1:98:B:ALA:HB3	18	0.58
(1,4127)	1:95:A:PHE:H	1:98:A:ALA:HB3	1	0.58
(1,4127)	1:95:A:PHE:H	1:98:A:ALA:HB1	4	0.58
(1,4127)	1:95:A:PHE:H	1:98:A:ALA:HB3	18	0.58
(1,4089)	1:60:A:LEU:HB3	1:64:A:MET:H	5	0.58
(1,4074)	1:18:B:ILE:HA	1:19:B:ALA:HA	16	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4073)	1:18:A:ILE:HA	1:19:A:ALA:HA	16	0.58
(1,4073)	1:18:A:ILE:HA	1:19:A:ALA:HA	17	0.58
(1,4050)	1:74:B:GLN:HG3	1:68:B:ASP:HB2	2	0.58
(1,4049)	1:74:A:GLN:HG3	1:68:A:ASP:HB2	1	0.58
(1,4049)	1:74:A:GLN:HG3	1:68:A:ASP:HB2	2	0.58
(1,4028)	1:99:B:VAL:HG22	1:102:B:GLN:H	15	0.58
(1,3980)	1:82:B:ASN:HA	1:67:B:LEU:HB3	5	0.58
(1,3979)	1:82:A:ASN:HA	1:67:A:LEU:HB3	5	0.58
(1,3972)	1:34:B:LEU:HD13	1:80:B:PHE:HB3	20	0.58
(1,3957)	1:17:A:LEU:HG	1:10:B:THR:HB	12	0.58
(1,3870)	1:12:B:ARG:HD3	1:14:B:ILE:HA	3	0.58
(1,3869)	1:12:A:ARG:HD3	1:14:A:ILE:HA	3	0.58
(1,3869)	1:12:A:ARG:HD3	1:14:A:ILE:HA	8	0.58
(1,3863)	1:74:A:GLN:HG2	1:75:A:LEU:HD22	18	0.58
(1,3808)	1:37:B:THR:HB	1:36:B:LYS:H	12	0.58
(1,3794)	1:74:B:GLN:HA	1:64:B:MET:HG2	18	0.58
(1,3793)	1:74:A:GLN:HA	1:64:A:MET:HG2	18	0.58
(1,3780)	1:48:B:ALA:HA	1:50:B:PHE:HB3	10	0.58
(1,3779)	1:48:A:ALA:HA	1:50:A:PHE:HB3	10	0.58
(1,3735)	1:37:A:THR:HB	1:35:A:SER:HA	9	0.58
(1,3729)	1:18:A:ILE:HG22	1:95:B:PHE:HA	19	0.58
(1,3726)	1:46:B:GLU:HB2	1:20:B:VAL:HG12	15	0.58
(1,3725)	1:46:A:GLU:HB2	1:20:A:VAL:HG12	15	0.58
(1,3684)	1:73:B:GLY:HA3	1:74:B:GLN:HB2	12	0.58
(1,3683)	1:73:A:GLY:HA3	1:74:A:GLN:HB2	12	0.58
(1,3680)	1:33:B:THR:HB	1:34:B:LEU:HG	7	0.58
(1,3680)	1:33:B:THR:HB	1:34:B:LEU:HG	18	0.58
(1,3679)	1:33:A:THR:HB	1:34:A:LEU:HG	18	0.58
(1,3670)	1:69:B:THR:HA	1:70:B:ASN:HB2	18	0.58
(1,3669)	1:69:A:THR:HA	1:70:A:ASN:HB2	10	0.58
(1,3668)	1:17:B:LEU:HD12	1:16:B:SER:H	16	0.58
(1,3648)	1:12:B:ARG:HD3	1:14:B:ILE:HA	3	0.58
(1,3647)	1:12:A:ARG:HD3	1:14:A:ILE:HA	3	0.58
(1,3647)	1:12:A:ARG:HD3	1:14:A:ILE:HA	8	0.58
(1,3646)	1:12:B:ARG:HD3	1:14:B:ILE:HA	3	0.58
(1,3645)	1:12:A:ARG:HD3	1:14:A:ILE:HA	3	0.58
(1,3645)	1:12:A:ARG:HD3	1:14:A:ILE:HA	8	0.58
(1,3626)	1:34:B:LEU:HA	1:24:B:TYR:HB2	6	0.58
(1,3625)	1:34:A:LEU:HA	1:24:A:TYR:HB2	6	0.58
(1,3588)	1:76:B:ASP:HB2	1:77:B:PHE:HB3	1	0.58
(1,3588)	1:76:B:ASP:HB2	1:77:B:PHE:HB3	10	0.58
(1,3587)	1:76:A:ASP:HB2	1:77:A:PHE:HB3	1	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3587)	1:76:A:ASP:HB2	1:77:A:PHE:HB3	10	0.58
(1,3500)	1:29:B:GLY:HA2	1:28:B:ASP:HB2	10	0.58
(1,3474)	1:17:B:LEU:HG	1:21:B:PHE:H	11	0.58
(1,3474)	1:17:B:LEU:HG	1:21:B:PHE:H	14	0.58
(1,3473)	1:17:A:LEU:HG	1:21:A:PHE:H	14	0.58
(1,3462)	1:84:B:ILE:HB	1:80:B:PHE:HB3	13	0.58
(1,3461)	1:84:A:ILE:HB	1:80:A:PHE:HB3	13	0.58
(1,3442)	1:69:B:THR:HB	1:66:B:LYS:HG2	2	0.58
(1,3441)	1:69:A:THR:HB	1:66:A:LYS:HG2	2	0.58
(1,3392)	1:17:B:LEU:HD12	1:13:A:CYS:HA	8	0.58
(1,3379)	1:20:A:VAL:HG13	1:12:B:ARG:HG3	6	0.58
(1,3378)	1:8:B:THR:HG21	1:48:A:ALA:HA	8	0.58
(1,3378)	1:8:B:THR:HG21	1:49:A:ALA:HA	20	0.58
(1,3372)	1:10:B:THR:HG23	1:87:A:LEU:HD23	15	0.58
(1,3357)	1:88:A:ALA:HB2	1:14:B:ILE:HB	10	0.58
(1,3350)	1:14:B:ILE:HD11	1:88:A:ALA:HB3	17	0.58
(1,3349)	1:14:A:ILE:HD11	1:88:B:ALA:HB3	19	0.58
(1,3254)	1:62:B:ARG:H	1:61:B:ASP:HB2	1	0.58
(1,3254)	1:62:B:ARG:H	1:61:B:ASP:HB2	8	0.58
(1,3253)	1:62:A:ARG:H	1:61:A:ASP:HB2	8	0.58
(1,3253)	1:62:A:ARG:H	1:61:A:ASP:HB2	11	0.58
(1,3101)	1:9:A:GLU:H	1:8:A:THR:HG21	1	0.58
(1,3024)	1:76:B:ASP:H	1:75:B:LEU:HB2	6	0.58
(1,3023)	1:76:A:ASP:H	1:75:A:LEU:HB2	6	0.58
(1,2759)	1:34:A:LEU:H	1:34:A:LEU:HD21	12	0.58
(1,2518)	1:41:B:SER:H	1:34:B:LEU:HD21	2	0.58
(1,2518)	1:41:B:SER:H	1:34:B:LEU:HD23	3	0.58
(1,2517)	1:41:A:SER:H	1:34:A:LEU:HD23	3	0.58
(1,1682)	1:50:B:PHE:HB2	1:47:B:LEU:HD23	2	0.58
(1,1681)	1:50:A:PHE:HB2	1:47:A:LEU:HD23	2	0.58
(1,1530)	1:9:B:GLU:H	1:8:B:THR:HG22	17	0.58
(1,1529)	1:9:A:GLU:H	1:8:A:THR:HG22	17	0.58
(1,1500)	1:18:B:ILE:HG22	1:22:B:GLN:HG3	13	0.58
(1,1500)	1:18:B:ILE:HG21	1:22:B:GLN:HG2	17	0.58
(1,1330)	1:48:B:ALA:H	1:43:B:MET:HB3	17	0.58
(1,1329)	1:48:A:ALA:H	1:43:A:MET:HB3	17	0.58
(1,1238)	1:62:B:ARG:HB3	1:59:B:VAL:HA	20	0.58
(1,1237)	1:62:A:ARG:HB3	1:59:A:VAL:HA	20	0.58
(1,1016)	1:9:B:GLU:HG2	1:13:B:CYS:HB3	18	0.58
(1,1015)	1:9:A:GLU:HG2	1:13:A:CYS:HB3	18	0.58
(1,949)	1:94:A:SER:HB3	1:91:A:CYS:HB2	11	0.58
(1,934)	1:97:B:LYS:HA	1:97:B:LYS:HE2	7	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,933)	1:97:A:LYS:HA	1:97:A:LYS:HE2	7	0.58
(1,884)	1:34:B:LEU:HB3	1:80:B:PHE:HB2	14	0.58
(1,883)	1:34:A:LEU:HB3	1:80:A:PHE:HB2	14	0.58
(1,856)	1:9:B:GLU:HG3	1:17:A:LEU:HD21	16	0.58
(1,688)	1:46:B:GLU:HG3	1:20:B:VAL:HG21	14	0.58
(1,687)	1:46:A:GLU:HG3	1:20:A:VAL:HG21	14	0.58
(1,624)	1:34:B:LEU:HB2	1:38:B:GLU:HB2	9	0.58
(1,565)	1:25:A:ALA:HB3	1:33:A:THR:HG21	14	0.58
(1,484)	1:14:B:ILE:HB	1:10:B:THR:HG23	5	0.58
(1,483)	1:14:A:ILE:HB	1:10:A:THR:HG23	5	0.58
(1,421)	1:18:A:ILE:HG22	1:95:B:PHE:H	15	0.58
(1,412)	1:62:B:ARG:HD2	1:59:B:VAL:HG13	4	0.58
(1,322)	1:22:B:GLN:HG2	1:25:B:ALA:HB1	20	0.58
(1,14)	1:14:B:ILE:HG21	1:84:A:ILE:HG23	20	0.58
(1,13)	1:14:A:ILE:HG21	1:84:B:ILE:HG23	20	0.58
(2,16)	1:61:B:ASP:HB2	1:62:B:ARG:HD2	19	0.57
(2,15)	1:61:A:ASP:HB2	1:62:A:ARG:HD2	19	0.57
(1,5708)	1:14:B:ILE:H	1:14:B:ILE:HD13	10	0.57
(1,5708)	1:14:B:ILE:H	1:14:B:ILE:HD12	19	0.57
(1,5707)	1:14:A:ILE:H	1:14:A:ILE:HD12	19	0.57
(1,5622)	1:47:B:LEU:H	1:48:B:ALA:HB3	18	0.57
(1,5621)	1:47:A:LEU:H	1:48:A:ALA:HB1	17	0.57
(1,5621)	1:47:A:LEU:H	1:48:A:ALA:HB3	18	0.57
(1,5586)	1:46:B:GLU:H	1:45:B:THR:HG21	7	0.57
(1,5586)	1:46:B:GLU:H	1:45:B:THR:HG23	11	0.57
(1,5585)	1:46:A:GLU:H	1:45:A:THR:HG21	7	0.57
(1,5585)	1:46:A:GLU:H	1:45:A:THR:HG23	11	0.57
(1,5475)	1:50:A:PHE:H	1:47:A:LEU:HD22	12	0.57
(1,5472)	1:80:B:PHE:H	1:75:B:LEU:HD12	6	0.57
(1,5471)	1:80:A:PHE:H	1:75:A:LEU:HD12	6	0.57
(1,5471)	1:80:A:PHE:H	1:75:A:LEU:HD13	9	0.57
(1,5460)	1:22:B:GLN:H	1:20:B:VAL:HG23	10	0.57
(1,5460)	1:22:B:GLN:H	1:20:B:VAL:HG23	19	0.57
(1,5459)	1:22:A:GLN:H	1:20:A:VAL:HG23	10	0.57
(1,5459)	1:22:A:GLN:H	1:20:A:VAL:HG23	19	0.57
(1,5443)	1:95:A:PHE:H	1:98:A:ALA:HB1	10	0.57
(1,5440)	1:93:B:ASP:H	1:96:B:LEU:HB2	6	0.57
(1,5439)	1:93:A:ASP:H	1:96:A:LEU:HB2	6	0.57
(1,5400)	1:90:B:ALA:H	1:89:B:MET:HG2	5	0.57
(1,5400)	1:90:B:ALA:H	1:89:B:MET:HG2	9	0.57
(1,5400)	1:90:B:ALA:H	1:89:B:MET:HG2	15	0.57
(1,5399)	1:59:A:VAL:H	1:61:A:ASP:HB3	1	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5399)	1:90:A:ALA:H	1:89:A:MET:HG2	5	0.57
(1,5399)	1:90:A:ALA:H	1:89:A:MET:HG2	9	0.57
(1,5399)	1:90:A:ALA:H	1:89:A:MET:HG2	15	0.57
(1,5352)	1:41:B:SER:H	1:42:B:PHE:HB2	11	0.57
(1,5351)	1:41:A:SER:H	1:42:A:PHE:HB2	11	0.57
(1,5320)	1:77:B:PHE:H	1:78:B:SER:HB3	4	0.57
(1,5320)	1:77:B:PHE:H	1:78:B:SER:HA	7	0.57
(1,5319)	1:77:A:PHE:H	1:78:A:SER:HB3	4	0.57
(1,5319)	1:77:A:PHE:H	1:78:A:SER:HA	7	0.57
(1,5284)	1:98:B:ALA:H	1:96:B:LEU:HD22	10	0.57
(1,5284)	1:98:B:ALA:H	1:96:B:LEU:HD23	20	0.57
(1,5265)	1:8:A:THR:H	1:47:B:LEU:HD22	9	0.57
(1,5242)	1:81:B:LEU:H	1:77:B:PHE:H	1	0.57
(1,5241)	1:81:A:LEU:H	1:77:A:PHE:H	1	0.57
(1,5224)	1:21:B:PHE:H	1:25:B:ALA:HB3	6	0.57
(1,5223)	1:21:A:PHE:H	1:25:A:ALA:HB3	6	0.57
(1,5186)	1:45:B:THR:HG21	1:45:B:THR:HG22	2	0.57
(1,5186)	1:37:B:THR:HG22	1:37:B:THR:HG23	3	0.57
(1,5186)	1:45:B:THR:HG21	1:45:B:THR:HG23	5	0.57
(1,5186)	1:37:B:THR:HG22	1:37:B:THR:HG23	7	0.57
(1,5186)	1:37:B:THR:HG21	1:37:B:THR:HG22	9	0.57
(1,5186)	1:37:B:THR:HG22	1:37:B:THR:HG23	10	0.57
(1,5186)	1:37:B:THR:HG21	1:37:B:THR:HG23	15	0.57
(1,5185)	1:37:A:THR:HG22	1:37:A:THR:HG23	2	0.57
(1,5185)	1:45:A:THR:HG22	1:45:A:THR:HG23	7	0.57
(1,5185)	1:37:A:THR:HG21	1:37:A:THR:HG23	15	0.57
(1,5150)	1:36:B:LYS:HD2	1:36:B:LYS:HE3	2	0.57
(1,5150)	1:66:B:LYS:HD3	1:66:B:LYS:HE2	8	0.57
(1,5150)	1:36:B:LYS:HD2	1:36:B:LYS:HE3	16	0.57
(1,5149)	1:36:A:LYS:HD2	1:36:A:LYS:HE3	2	0.57
(1,5149)	1:66:A:LYS:HD3	1:66:A:LYS:HE2	8	0.57
(1,5030)	1:65:B:LYS:HG2	1:65:B:LYS:HA	1	0.57
(1,5029)	1:65:A:LYS:HG2	1:65:A:LYS:HA	1	0.57
(1,4938)	1:10:B:THR:HG23	1:87:A:LEU:HD23	10	0.57
(1,4904)	1:82:B:ASN:HB2	1:80:B:PHE:HB3	17	0.57
(1,4903)	1:82:A:ASN:HB2	1:80:A:PHE:HB3	17	0.57
(1,4882)	1:37:B:THR:HG21	1:40:B:LEU:HB2	9	0.57
(1,4881)	1:37:A:THR:HG23	1:40:A:LEU:HB2	13	0.57
(1,4756)	1:37:B:THR:HG21	1:27:B:LYS:HD3	13	0.57
(1,4755)	1:37:A:THR:HG21	1:27:A:LYS:HD3	13	0.57
(1,4696)	1:20:B:VAL:HG12	1:47:B:LEU:HD21	17	0.57
(1,4695)	1:20:A:VAL:HG12	1:47:A:LEU:HD21	17	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4678)	1:39:B:PHE:HA	1:46:B:GLU:HB2	5	0.57
(1,4652)	1:37:B:THR:HG23	1:41:B:SER:H	3	0.57
(1,4652)	1:37:B:THR:HG23	1:41:B:SER:H	6	0.57
(1,4651)	1:37:A:THR:HG23	1:41:A:SER:H	6	0.57
(1,4627)	1:60:A:LEU:HD21	1:47:A:LEU:H	18	0.57
(1,4622)	1:89:B:MET:HA	1:88:B:ALA:HB1	16	0.57
(1,4621)	1:89:A:MET:HA	1:88:A:ALA:HB1	16	0.57
(1,4536)	1:64:B:MET:HG3	1:75:B:LEU:HD22	14	0.57
(1,4488)	1:84:B:ILE:HB	1:17:B:LEU:HD21	14	0.57
(1,4487)	1:84:A:ILE:HB	1:17:A:LEU:HD21	14	0.57
(1,4460)	1:20:B:VAL:HG21	1:81:B:LEU:HD21	1	0.57
(1,4459)	1:20:A:VAL:HG21	1:81:A:LEU:HD21	1	0.57
(1,4456)	1:57:B:PRO:HA	1:60:B:LEU:HD13	2	0.57
(1,4455)	1:57:A:PRO:HA	1:60:A:LEU:HD13	2	0.57
(1,4407)	1:91:A:CYS:HA	1:90:A:ALA:HB1	17	0.57
(1,4398)	1:13:B:CYS:HB2	1:17:A:LEU:HD13	9	0.57
(1,4397)	1:13:A:CYS:HB2	1:17:B:LEU:HD13	9	0.57
(1,4394)	1:17:B:LEU:HB2	1:9:A:GLU:HG2	9	0.57
(1,4386)	1:96:B:LEU:H	1:98:B:ALA:HA	7	0.57
(1,4348)	1:82:B:ASN:HB2	1:80:B:PHE:HB3	17	0.57
(1,4347)	1:82:A:ASN:HB2	1:80:A:PHE:HB3	17	0.57
(1,4334)	1:68:B:ASP:HB2	1:67:B:LEU:HB2	17	0.57
(1,4333)	1:68:A:ASP:HB2	1:67:A:LEU:HB2	17	0.57
(1,4327)	1:15:A:GLU:HG3	1:88:B:ALA:HB2	8	0.57
(1,4318)	1:67:B:LEU:HD21	1:63:B:MET:HG3	16	0.57
(1,4317)	1:67:A:LEU:HD21	1:63:A:MET:HG3	16	0.57
(1,4258)	1:10:B:THR:HA	1:14:B:ILE:HD11	15	0.57
(1,4246)	1:89:B:MET:HB2	1:85:B:GLY:H	17	0.57
(1,4245)	1:89:A:MET:HB2	1:85:A:GLY:H	17	0.57
(1,4226)	1:65:B:LYS:HA	1:64:B:MET:HA	2	0.57
(1,4225)	1:65:A:LYS:HA	1:64:A:MET:HA	2	0.57
(1,4187)	1:11:A:GLU:HA	1:13:A:CYS:HA	15	0.57
(1,4090)	1:60:B:LEU:HB3	1:64:B:MET:H	5	0.57
(1,4074)	1:18:B:ILE:HA	1:19:B:ALA:HA	11	0.57
(1,4074)	1:18:B:ILE:HA	1:19:B:ALA:HA	19	0.57
(1,4073)	1:18:A:ILE:HA	1:19:A:ALA:HA	11	0.57
(1,4073)	1:18:A:ILE:HA	1:19:A:ALA:HA	19	0.57
(1,4024)	1:83:B:LEU:HB3	1:82:B:ASN:HB2	18	0.57
(1,4023)	1:83:A:LEU:HB3	1:82:A:ASN:HB2	18	0.57
(1,3980)	1:82:B:ASN:HA	1:67:B:LEU:HB3	9	0.57
(1,3979)	1:82:A:ASN:HA	1:67:A:LEU:HB3	9	0.57
(1,3971)	1:34:A:LEU:HD13	1:80:A:PHE:HB3	20	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3958)	1:17:B:LEU:HG	1:16:B:SER:HB3	2	0.57
(1,3958)	1:17:B:LEU:HG	1:10:A:THR:HB	12	0.57
(1,3957)	1:17:A:LEU:HG	1:16:A:SER:HB3	2	0.57
(1,3904)	1:57:B:PRO:HA	1:59:B:VAL:HA	12	0.57
(1,3903)	1:57:A:PRO:HA	1:59:A:VAL:HA	12	0.57
(1,3870)	1:12:B:ARG:HD2	1:14:B:ILE:HA	20	0.57
(1,3869)	1:12:A:ARG:HD2	1:14:A:ILE:HA	20	0.57
(1,3864)	1:74:B:GLN:HG2	1:75:B:LEU:HD21	5	0.57
(1,3863)	1:74:A:GLN:HG2	1:75:A:LEU:HD21	5	0.57
(1,3846)	1:8:B:THR:HA	1:12:B:ARG:HG2	3	0.57
(1,3794)	1:74:B:GLN:HA	1:64:B:MET:HG2	15	0.57
(1,3789)	1:91:A:CYS:HA	1:18:B:ILE:HG23	17	0.57
(1,3786)	1:89:B:MET:HG3	1:87:B:LEU:H	3	0.57
(1,3736)	1:37:B:THR:HB	1:35:B:SER:HA	8	0.57
(1,3729)	1:18:A:ILE:HG22	1:16:A:SER:HA	17	0.57
(1,3684)	1:66:B:LYS:HB3	1:64:B:MET:HA	8	0.57
(1,3683)	1:66:A:LYS:HB3	1:64:A:MET:HA	8	0.57
(1,3679)	1:33:A:THR:HB	1:34:A:LEU:HG	7	0.57
(1,3670)	1:69:B:THR:HA	1:70:B:ASN:HB2	5	0.57
(1,3669)	1:69:A:THR:HA	1:70:A:ASN:HB2	18	0.57
(1,3648)	1:12:B:ARG:HD2	1:14:B:ILE:HA	20	0.57
(1,3647)	1:12:A:ARG:HD2	1:14:A:ILE:HA	20	0.57
(1,3646)	1:12:B:ARG:HD2	1:14:B:ILE:HA	20	0.57
(1,3645)	1:12:A:ARG:HD2	1:14:A:ILE:HA	20	0.57
(1,3632)	1:97:B:LYS:HG3	1:93:B:ASP:HB3	13	0.57
(1,3608)	1:37:B:THR:HG21	1:39:B:PHE:H	16	0.57
(1,3607)	1:37:A:THR:HG21	1:39:A:PHE:H	16	0.57
(1,3588)	1:76:B:ASP:HB2	1:77:B:PHE:HB3	6	0.57
(1,3587)	1:76:A:ASP:HB2	1:77:A:PHE:HB3	6	0.57
(1,3523)	1:73:A:GLY:HA3	1:64:A:MET:HG2	11	0.57
(1,3516)	1:17:B:LEU:HD21	1:12:A:ARG:HD2	4	0.57
(1,3515)	1:17:A:LEU:HD21	1:12:B:ARG:HD2	4	0.57
(1,3509)	1:7:A:PRO:HB2	1:12:A:ARG:HD3	16	0.57
(1,3506)	1:69:B:THR:HB	1:82:B:ASN:HB2	8	0.57
(1,3505)	1:69:A:THR:HB	1:82:A:ASN:HB2	8	0.57
(1,3499)	1:29:A:GLY:HA2	1:28:A:ASP:HB2	10	0.57
(1,3462)	1:84:B:ILE:HB	1:80:B:PHE:HB3	11	0.57
(1,3461)	1:84:A:ILE:HB	1:80:A:PHE:HB3	11	0.57
(1,3412)	1:22:B:GLN:HG3	1:102:A:GLN:HG2	2	0.57
(1,3400)	1:22:B:GLN:HB2	1:100:A:PRO:HB3	8	0.57
(1,3399)	1:22:A:GLN:HB2	1:100:B:PRO:HB3	8	0.57
(1,3387)	1:17:A:LEU:HD23	1:88:B:ALA:HB1	3	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3384)	1:20:B:VAL:HG13	1:10:A:THR:HB	6	0.57
(1,3383)	1:20:A:VAL:HG13	1:10:B:THR:HB	6	0.57
(1,3377)	1:8:A:THR:HG21	1:49:B:ALA:HA	20	0.57
(1,3372)	1:10:B:THR:HG23	1:87:A:LEU:HD23	10	0.57
(1,3358)	1:88:B:ALA:HB2	1:14:A:ILE:HB	10	0.57
(1,3350)	1:14:B:ILE:HD11	1:88:A:ALA:HB3	3	0.57
(1,3349)	1:14:A:ILE:HD11	1:88:B:ALA:HB3	3	0.57
(1,3254)	1:62:B:ARG:H	1:61:B:ASP:HB2	11	0.57
(1,3138)	1:76:B:ASP:H	1:75:B:LEU:HD22	5	0.57
(1,3138)	1:76:B:ASP:H	1:75:B:LEU:HD22	10	0.57
(1,3138)	1:76:B:ASP:H	1:75:B:LEU:HD23	19	0.57
(1,3137)	1:76:A:ASP:H	1:75:A:LEU:HD22	5	0.57
(1,3137)	1:76:A:ASP:H	1:75:A:LEU:HD22	10	0.57
(1,3137)	1:76:A:ASP:H	1:75:A:LEU:HD23	19	0.57
(1,3102)	1:9:B:GLU:H	1:8:B:THR:HG21	1	0.57
(1,3102)	1:9:B:GLU:H	1:8:B:THR:HG22	10	0.57
(1,3102)	1:9:B:GLU:H	1:8:B:THR:HG22	15	0.57
(1,3101)	1:9:A:GLU:H	1:8:A:THR:HG22	15	0.57
(1,2823)	1:24:A:TYR:H	1:25:A:ALA:HB3	2	0.57
(1,2815)	1:11:A:GLU:H	1:8:A:THR:HG21	20	0.57
(1,2760)	1:34:B:LEU:H	1:34:B:LEU:HD23	17	0.57
(1,2759)	1:34:A:LEU:H	1:34:A:LEU:HD23	17	0.57
(1,2698)	1:27:B:LYS:H	1:25:B:ALA:HB1	19	0.57
(1,2697)	1:27:A:LYS:H	1:25:A:ALA:HB1	19	0.57
(1,2517)	1:41:A:SER:H	1:34:A:LEU:HD21	2	0.57
(1,2506)	1:37:B:THR:H	1:34:B:LEU:HD22	20	0.57
(1,2505)	1:37:A:THR:H	1:34:A:LEU:HD22	20	0.57
(1,1870)	1:20:B:VAL:HG13	1:21:B:PHE:H	11	0.57
(1,1869)	1:20:A:VAL:HG13	1:21:A:PHE:H	11	0.57
(1,1767)	1:20:A:VAL:HG13	1:24:A:TYR:H	12	0.57
(1,1530)	1:9:B:GLU:H	1:8:B:THR:HG22	6	0.57
(1,1529)	1:9:A:GLU:H	1:8:A:THR:HG22	6	0.57
(1,1454)	1:48:B:ALA:HA	1:51:B:THR:HG23	10	0.57
(1,1454)	1:48:B:ALA:HA	1:51:B:THR:HG21	19	0.57
(1,1453)	1:48:A:ALA:HA	1:51:A:THR:HG23	10	0.57
(1,1330)	1:48:B:ALA:H	1:43:B:MET:HB3	8	0.57
(1,1329)	1:48:A:ALA:H	1:43:A:MET:HB3	8	0.57
(1,1030)	1:38:B:GLU:HB3	1:24:B:TYR:HB2	10	0.57
(1,1029)	1:38:A:GLU:HB3	1:24:A:TYR:HB2	10	0.57
(1,950)	1:94:B:SER:HB3	1:91:B:CYS:HB2	11	0.57
(1,884)	1:34:B:LEU:HB3	1:80:B:PHE:HB2	19	0.57
(1,883)	1:34:A:LEU:HB3	1:80:A:PHE:HB2	19	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,816)	1:9:B:GLU:HG2	1:10:B:THR:HG23	12	0.57
(1,815)	1:9:A:GLU:HG2	1:10:A:THR:HG23	12	0.57
(1,708)	1:67:B:LEU:HB2	1:66:B:LYS:HB2	3	0.57
(1,707)	1:67:A:LEU:HB2	1:66:A:LYS:HB2	3	0.57
(1,623)	1:34:A:LEU:HB2	1:38:A:GLU:HB2	9	0.57
(1,566)	1:25:B:ALA:HB3	1:33:B:THR:HG21	14	0.57
(1,482)	1:8:B:THR:HA	1:10:B:THR:HG21	15	0.57
(1,481)	1:8:A:THR:HA	1:10:A:THR:HG21	14	0.57
(1,422)	1:18:B:ILE:HG23	1:95:A:PHE:H	4	0.57
(1,418)	1:69:B:THR:HA	1:75:B:LEU:HD21	9	0.57
(1,417)	1:69:A:THR:HA	1:75:A:LEU:HD21	9	0.57
(1,411)	1:62:A:ARG:HD2	1:59:A:VAL:HG13	4	0.57
(1,322)	1:22:B:GLN:HG2	1:25:B:ALA:HB1	18	0.57
(1,321)	1:22:A:GLN:HG2	1:25:A:ALA:HB1	18	0.57
(1,210)	1:76:B:ASP:HA	1:34:B:LEU:HB3	20	0.57
(1,209)	1:76:A:ASP:HA	1:34:A:LEU:HB3	20	0.57
(1,106)	1:102:B:GLN:HG3	1:22:A:GLN:HB3	5	0.57
(1,40)	1:87:B:LEU:HD21	1:14:A:ILE:HD11	3	0.57
(1,14)	1:14:B:ILE:HG21	1:84:A:ILE:HG23	9	0.57
(1,11)	1:18:A:ILE:HG22	1:94:B:SER:HB2	1	0.57
(2,124)	1:44:B:ASN:HB2	1:48:B:ALA:H	10	0.56
(2,124)	1:44:B:ASN:HB2	1:48:B:ALA:H	12	0.56
(2,124)	1:44:B:ASN:HB2	1:48:B:ALA:H	20	0.56
(2,123)	1:44:A:ASN:HB2	1:48:A:ALA:H	10	0.56
(2,123)	1:44:A:ASN:HB2	1:48:A:ALA:H	20	0.56
(2,15)	1:61:A:ASP:HB2	1:62:A:ARG:HD2	4	0.56
(1,5704)	1:81:B:LEU:H	1:81:B:LEU:HD22	17	0.56
(1,5703)	1:81:A:LEU:H	1:81:A:LEU:HD22	17	0.56
(1,5676)	1:61:B:ASP:H	1:60:B:LEU:HG	3	0.56
(1,5675)	1:61:A:ASP:H	1:60:A:LEU:HG	3	0.56
(1,5472)	1:80:B:PHE:H	1:75:B:LEU:HD12	4	0.56
(1,5471)	1:80:A:PHE:H	1:75:A:LEU:HD12	4	0.56
(1,5444)	1:95:B:PHE:H	1:98:B:ALA:HB1	10	0.56
(1,5444)	1:95:B:PHE:H	1:98:B:ALA:HB3	11	0.56
(1,5444)	1:95:B:PHE:H	1:98:B:ALA:HB2	19	0.56
(1,5443)	1:95:A:PHE:H	1:98:A:ALA:HB1	15	0.56
(1,5400)	1:90:B:ALA:H	1:89:B:MET:HG2	8	0.56
(1,5399)	1:90:A:ALA:H	1:89:A:MET:HG2	8	0.56
(1,5386)	1:40:B:LEU:H	1:75:B:LEU:HD13	5	0.56
(1,5385)	1:40:A:LEU:H	1:75:A:LEU:HD13	5	0.56
(1,5374)	1:10:B:THR:H	1:47:A:LEU:HD21	5	0.56
(1,5373)	1:10:A:THR:H	1:47:B:LEU:HD21	5	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5373)	1:10:A:THR:H	1:47:B:LEU:HD21	12	0.56
(1,5373)	1:10:A:THR:H	1:47:B:LEU:HD21	13	0.56
(1,5312)	1:28:B:ASP:H	1:34:B:LEU:HD23	15	0.56
(1,5311)	1:28:A:ASP:H	1:34:A:LEU:HD23	15	0.56
(1,5280)	1:28:B:ASP:H	1:34:B:LEU:HD23	15	0.56
(1,5279)	1:28:A:ASP:H	1:34:A:LEU:HD23	15	0.56
(1,5224)	1:21:B:PHE:H	1:81:B:LEU:HD21	5	0.56
(1,5186)	1:37:B:THR:HG21	1:37:B:THR:HG22	1	0.56
(1,5186)	1:45:B:THR:HG21	1:45:B:THR:HG22	4	0.56
(1,5186)	1:37:B:THR:HG22	1:37:B:THR:HG23	6	0.56
(1,5186)	1:37:B:THR:HG22	1:37:B:THR:HG23	8	0.56
(1,5186)	1:45:B:THR:HG21	1:45:B:THR:HG23	11	0.56
(1,5186)	1:37:B:THR:HG21	1:37:B:THR:HG23	12	0.56
(1,5186)	1:37:B:THR:HG21	1:37:B:THR:HG23	13	0.56
(1,5186)	1:37:B:THR:HG21	1:37:B:THR:HG22	14	0.56
(1,5186)	1:45:B:THR:HG21	1:45:B:THR:HG23	16	0.56
(1,5186)	1:45:B:THR:HG21	1:45:B:THR:HG22	17	0.56
(1,5186)	1:37:B:THR:HG21	1:37:B:THR:HG23	18	0.56
(1,5186)	1:45:B:THR:HG21	1:45:B:THR:HG23	19	0.56
(1,5186)	1:37:B:THR:HG21	1:37:B:THR:HG23	20	0.56
(1,5185)	1:37:A:THR:HG21	1:37:A:THR:HG22	1	0.56
(1,5185)	1:45:A:THR:HG21	1:45:A:THR:HG23	3	0.56
(1,5185)	1:45:A:THR:HG21	1:45:A:THR:HG23	4	0.56
(1,5185)	1:37:A:THR:HG21	1:37:A:THR:HG22	5	0.56
(1,5185)	1:45:A:THR:HG22	1:45:A:THR:HG23	6	0.56
(1,5185)	1:45:A:THR:HG21	1:45:A:THR:HG23	8	0.56
(1,5185)	1:37:A:THR:HG21	1:37:A:THR:HG22	9	0.56
(1,5185)	1:45:A:THR:HG21	1:45:A:THR:HG23	10	0.56
(1,5185)	1:37:A:THR:HG21	1:37:A:THR:HG23	11	0.56
(1,5185)	1:37:A:THR:HG21	1:37:A:THR:HG23	12	0.56
(1,5185)	1:37:A:THR:HG21	1:37:A:THR:HG23	13	0.56
(1,5185)	1:45:A:THR:HG21	1:45:A:THR:HG22	14	0.56
(1,5185)	1:45:A:THR:HG22	1:45:A:THR:HG23	16	0.56
(1,5185)	1:37:A:THR:HG21	1:37:A:THR:HG22	17	0.56
(1,5185)	1:37:A:THR:HG21	1:37:A:THR:HG23	18	0.56
(1,5185)	1:37:A:THR:HG21	1:37:A:THR:HG23	19	0.56
(1,5185)	1:37:A:THR:HG21	1:37:A:THR:HG23	20	0.56
(1,5150)	1:36:B:LYS:HD2	1:36:B:LYS:HE3	6	0.56
(1,5150)	1:66:B:LYS:HD2	1:66:B:LYS:HE3	15	0.56
(1,5149)	1:36:A:LYS:HD2	1:36:A:LYS:HE3	6	0.56
(1,5149)	1:66:A:LYS:HD2	1:66:A:LYS:HE3	15	0.56
(1,4937)	1:10:A:THR:HG23	1:87:B:LEU:HD22	1	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4937)	1:10:A:THR:HG23	1:87:B:LEU:HD23	10	0.56
(1,4937)	1:10:A:THR:HG23	1:87:B:LEU:HD23	15	0.56
(1,4881)	1:37:A:THR:HG21	1:40:A:LEU:HB2	9	0.56
(1,4881)	1:37:A:THR:HG23	1:40:A:LEU:HB2	12	0.56
(1,4818)	1:59:B:VAL:HA	1:62:B:ARG:HG2	10	0.56
(1,4817)	1:59:A:VAL:HA	1:62:A:ARG:HG2	10	0.56
(1,4789)	1:66:A:LYS:HB3	1:67:A:LEU:HD22	16	0.56
(1,4716)	1:17:B:LEU:HD21	1:13:A:CYS:HB2	9	0.56
(1,4696)	1:20:B:VAL:HG12	1:47:B:LEU:HD23	13	0.56
(1,4695)	1:20:A:VAL:HG12	1:47:A:LEU:HD23	13	0.56
(1,4678)	1:39:B:PHE:HA	1:46:B:GLU:HB2	12	0.56
(1,4677)	1:39:A:PHE:HA	1:46:A:GLU:HB2	5	0.56
(1,4677)	1:39:A:PHE:HA	1:46:A:GLU:HB2	12	0.56
(1,4664)	1:7:B:PRO:HB2	1:7:B:PRO:HD3	18	0.56
(1,4663)	1:7:A:PRO:HB2	1:7:A:PRO:HD3	18	0.56
(1,4572)	1:47:B:LEU:HD11	1:60:B:LEU:HA	9	0.56
(1,4571)	1:47:A:LEU:HD11	1:60:A:LEU:HA	9	0.56
(1,4550)	1:90:B:ALA:HB2	1:91:B:CYS:HB2	10	0.56
(1,4549)	1:90:A:ALA:HB2	1:91:A:CYS:HB2	10	0.56
(1,4460)	1:20:B:VAL:HG23	1:81:B:LEU:HD22	10	0.56
(1,4459)	1:20:A:VAL:HG23	1:81:A:LEU:HD22	10	0.56
(1,4458)	1:18:B:ILE:HG22	1:19:B:ALA:HB2	2	0.56
(1,4457)	1:18:A:ILE:HG22	1:19:A:ALA:HB2	2	0.56
(1,4422)	1:42:B:PHE:HA	1:45:B:THR:HG21	19	0.56
(1,4408)	1:91:B:CYS:HA	1:90:B:ALA:HB2	2	0.56
(1,4408)	1:91:B:CYS:HA	1:90:B:ALA:HB3	19	0.56
(1,4407)	1:91:A:CYS:HA	1:90:A:ALA:HB2	2	0.56
(1,4407)	1:91:A:CYS:HA	1:90:A:ALA:HB3	19	0.56
(1,4397)	1:13:A:CYS:HB2	1:17:B:LEU:HD13	16	0.56
(1,4342)	1:83:B:LEU:HD13	1:86:B:GLY:H	8	0.56
(1,4341)	1:83:A:LEU:HD13	1:86:A:GLY:H	8	0.56
(1,4334)	1:68:B:ASP:HB2	1:67:B:LEU:HB2	19	0.56
(1,4333)	1:68:A:ASP:HB2	1:67:A:LEU:HB2	19	0.56
(1,4297)	1:44:A:ASN:HA	1:47:A:LEU:HD11	10	0.56
(1,4278)	1:16:B:SER:HA	1:15:B:GLU:HB2	9	0.56
(1,4243)	1:91:A:CYS:HA	1:18:B:ILE:HB	6	0.56
(1,4238)	1:8:B:THR:HA	1:11:B:GLU:HB2	18	0.56
(1,4237)	1:8:A:THR:HA	1:11:A:GLU:HB2	18	0.56
(1,4202)	1:11:B:GLU:HG2	1:8:B:THR:HG22	3	0.56
(1,4202)	1:11:B:GLU:HG2	1:8:B:THR:HG21	14	0.56
(1,4201)	1:11:A:GLU:HG2	1:8:A:THR:HG22	3	0.56
(1,4201)	1:11:A:GLU:HG2	1:8:A:THR:HG21	14	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:67:B:LEU:HD23	1:81:B:LEU:HA	16	0.56
(1,4173)	1:67:A:LEU:HD23	1:81:A:LEU:HA	16	0.56
(1,4172)	1:44:B:ASN:HB2	1:43:B:MET:HB2	19	0.56
(1,4128)	1:95:B:PHE:H	1:98:B:ALA:HB3	16	0.56
(1,4127)	1:95:A:PHE:H	1:98:A:ALA:HB3	16	0.56
(1,4114)	1:18:B:ILE:H	1:17:B:LEU:HD13	19	0.56
(1,4089)	1:60:A:LEU:HB3	1:64:A:MET:H	2	0.56
(1,4089)	1:60:A:LEU:HB3	1:64:A:MET:H	4	0.56
(1,4074)	1:15:B:GLU:HA	1:18:B:ILE:HA	10	0.56
(1,4074)	1:18:B:ILE:HA	1:19:B:ALA:HA	14	0.56
(1,4073)	1:15:A:GLU:HA	1:18:A:ILE:HA	10	0.56
(1,4073)	1:18:A:ILE:HA	1:19:A:ALA:HA	14	0.56
(1,4064)	1:23:B:LYS:HD3	1:24:B:TYR:H	4	0.56
(1,4064)	1:23:B:LYS:HD3	1:24:B:TYR:H	14	0.56
(1,4063)	1:23:A:LYS:HD3	1:24:A:TYR:H	4	0.56
(1,4063)	1:23:A:LYS:HD3	1:24:A:TYR:H	14	0.56
(1,3940)	1:75:B:LEU:HD11	1:67:B:LEU:H	12	0.56
(1,3939)	1:75:A:LEU:HD11	1:67:A:LEU:H	12	0.56
(1,3930)	1:74:B:GLN:HA	1:34:B:LEU:HB3	3	0.56
(1,3930)	1:74:B:GLN:HA	1:34:B:LEU:HB3	17	0.56
(1,3929)	1:74:A:GLN:HA	1:34:A:LEU:HB3	17	0.56
(1,3926)	1:9:B:GLU:HB3	1:13:B:CYS:HB3	16	0.56
(1,3925)	1:9:A:GLU:HB3	1:13:A:CYS:HB3	16	0.56
(1,3870)	1:12:B:ARG:HD2	1:14:B:ILE:HA	16	0.56
(1,3869)	1:12:A:ARG:HD2	1:14:A:ILE:HA	16	0.56
(1,3864)	1:74:B:GLN:HG3	1:75:B:LEU:HD22	7	0.56
(1,3845)	1:8:A:THR:HA	1:12:A:ARG:HG2	3	0.56
(1,3808)	1:37:B:THR:HB	1:39:B:PHE:H	20	0.56
(1,3807)	1:37:A:THR:HB	1:39:A:PHE:H	20	0.56
(1,3800)	1:47:B:LEU:HA	1:87:B:LEU:HD21	9	0.56
(1,3800)	1:47:B:LEU:HA	1:87:B:LEU:HD11	18	0.56
(1,3799)	1:47:A:LEU:HA	1:87:A:LEU:HD21	9	0.56
(1,3799)	1:47:A:LEU:HA	1:87:A:LEU:HD11	18	0.56
(1,3793)	1:74:A:GLN:HA	1:64:A:MET:HG2	15	0.56
(1,3785)	1:89:A:MET:HG3	1:87:A:LEU:H	3	0.56
(1,3736)	1:37:B:THR:HB	1:35:B:SER:HA	9	0.56
(1,3735)	1:37:A:THR:HB	1:35:A:SER:HA	8	0.56
(1,3730)	1:18:B:ILE:HG22	1:16:B:SER:HA	17	0.56
(1,3704)	1:39:B:PHE:HB2	1:36:B:LYS:HG3	6	0.56
(1,3703)	1:39:A:PHE:HB2	1:36:A:LYS:HG3	6	0.56
(1,3684)	1:73:B:GLY:HA3	1:74:B:GLN:HB2	14	0.56
(1,3683)	1:73:A:GLY:HA3	1:74:A:GLN:HB2	14	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3669)	1:69:A:THR:HA	1:70:A:ASN:HB2	5	0.56
(1,3648)	1:12:B:ARG:HD2	1:14:B:ILE:HA	16	0.56
(1,3647)	1:12:A:ARG:HD2	1:14:A:ILE:HA	16	0.56
(1,3646)	1:12:B:ARG:HD2	1:14:B:ILE:HA	16	0.56
(1,3645)	1:12:A:ARG:HD2	1:14:A:ILE:HA	16	0.56
(1,3631)	1:97:A:LYS:HG3	1:93:A:ASP:HB3	13	0.56
(1,3605)	1:77:A:PHE:HB3	1:88:B:ALA:HB3	6	0.56
(1,3588)	1:76:B:ASP:HB2	1:77:B:PHE:HB3	18	0.56
(1,3587)	1:76:A:ASP:HB2	1:77:A:PHE:HB3	18	0.56
(1,3586)	1:11:B:GLU:HA	1:13:B:CYS:HB2	1	0.56
(1,3586)	1:11:B:GLU:HA	1:13:B:CYS:HB2	12	0.56
(1,3585)	1:11:A:GLU:HA	1:13:A:CYS:HB2	1	0.56
(1,3585)	1:11:A:GLU:HA	1:13:A:CYS:HB2	12	0.56
(1,3558)	1:68:B:ASP:HA	1:33:B:THR:HG22	16	0.56
(1,3557)	1:68:A:ASP:HA	1:33:A:THR:HG22	16	0.56
(1,3524)	1:73:B:GLY:HA3	1:64:B:MET:HG2	11	0.56
(1,3516)	1:51:B:THR:HG23	1:50:B:PHE:HB3	16	0.56
(1,3510)	1:7:B:PRO:HB2	1:12:B:ARG:HD3	16	0.56
(1,3411)	1:22:A:GLN:HG3	1:102:B:GLN:HG2	2	0.56
(1,3377)	1:8:A:THR:HG22	1:48:B:ALA:HA	2	0.56
(1,3377)	1:8:A:THR:HG23	1:48:B:ALA:HA	17	0.56
(1,3371)	1:10:A:THR:HG23	1:87:B:LEU:HD22	1	0.56
(1,3371)	1:10:A:THR:HG23	1:87:B:LEU:HD23	10	0.56
(1,3371)	1:10:A:THR:HG23	1:87:B:LEU:HD23	15	0.56
(1,3253)	1:62:A:ARG:H	1:61:A:ASP:HB2	16	0.56
(1,3102)	1:9:B:GLU:H	1:8:B:THR:HG21	2	0.56
(1,3102)	1:9:B:GLU:H	1:8:B:THR:HG22	4	0.56
(1,3102)	1:9:B:GLU:H	1:8:B:THR:HG21	18	0.56
(1,3101)	1:9:A:GLU:H	1:8:A:THR:HG21	2	0.56
(1,3101)	1:9:A:GLU:H	1:8:A:THR:HG22	4	0.56
(1,3101)	1:9:A:GLU:H	1:8:A:THR:HG22	10	0.56
(1,3101)	1:9:A:GLU:H	1:8:A:THR:HG21	18	0.56
(1,3024)	1:76:B:ASP:H	1:75:B:LEU:HB2	4	0.56
(1,3024)	1:76:B:ASP:H	1:75:B:LEU:HB2	18	0.56
(1,3023)	1:76:A:ASP:H	1:75:A:LEU:HB2	4	0.56
(1,3023)	1:76:A:ASP:H	1:75:A:LEU:HB2	18	0.56
(1,2824)	1:24:B:TYR:H	1:25:B:ALA:HB3	2	0.56
(1,2824)	1:24:B:TYR:H	1:25:B:ALA:HB1	3	0.56
(1,2824)	1:24:B:TYR:H	1:25:B:ALA:HB2	7	0.56
(1,2824)	1:24:B:TYR:H	1:25:B:ALA:HB1	9	0.56
(1,2824)	1:24:B:TYR:H	1:25:B:ALA:HB3	12	0.56
(1,2823)	1:24:A:TYR:H	1:25:A:ALA:HB1	9	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2823)	1:24:A:TYR:H	1:25:A:ALA:HB3	12	0.56
(1,2816)	1:11:B:GLU:H	1:8:B:THR:HG21	20	0.56
(1,2775)	1:50:A:PHE:H	1:47:A:LEU:HB2	16	0.56
(1,2592)	1:26:B:GLY:H	1:24:B:TYR:HB3	20	0.56
(1,2591)	1:26:A:GLY:H	1:24:A:TYR:HB3	20	0.56
(1,2518)	1:41:B:SER:H	1:34:B:LEU:HD22	9	0.56
(1,2518)	1:41:B:SER:H	1:34:B:LEU:HD22	10	0.56
(1,2518)	1:41:B:SER:H	1:34:B:LEU:HD22	14	0.56
(1,2517)	1:41:A:SER:H	1:34:A:LEU:HD22	9	0.56
(1,2517)	1:41:A:SER:H	1:34:A:LEU:HD22	10	0.56
(1,2517)	1:41:A:SER:H	1:34:A:LEU:HD22	14	0.56
(1,1944)	1:42:B:PHE:HA	1:27:B:LYS:HE3	20	0.56
(1,1943)	1:42:A:PHE:HA	1:27:A:LYS:HE3	20	0.56
(1,1870)	1:20:B:VAL:HG11	1:21:B:PHE:H	2	0.56
(1,1870)	1:20:B:VAL:HG11	1:21:B:PHE:H	5	0.56
(1,1870)	1:20:B:VAL:HG12	1:21:B:PHE:H	8	0.56
(1,1870)	1:20:B:VAL:HG11	1:21:B:PHE:H	19	0.56
(1,1869)	1:20:A:VAL:HG11	1:21:A:PHE:H	2	0.56
(1,1869)	1:20:A:VAL:HG11	1:21:A:PHE:H	5	0.56
(1,1869)	1:20:A:VAL:HG12	1:21:A:PHE:H	8	0.56
(1,1869)	1:20:A:VAL:HG11	1:21:A:PHE:H	19	0.56
(1,1768)	1:20:B:VAL:HG13	1:24:B:TYR:H	12	0.56
(1,1608)	1:47:B:LEU:HB2	1:50:B:PHE:HB3	16	0.56
(1,1607)	1:47:A:LEU:HB2	1:50:A:PHE:HB3	16	0.56
(1,1605)	1:74:A:GLN:HG3	1:33:A:THR:HG23	15	0.56
(1,1453)	1:48:A:ALA:HA	1:51:A:THR:HG21	19	0.56
(1,1238)	1:62:B:ARG:HB3	1:59:B:VAL:HA	16	0.56
(1,1237)	1:62:A:ARG:HB3	1:59:A:VAL:HA	16	0.56
(1,1016)	1:9:B:GLU:HG2	1:13:B:CYS:HB3	1	0.56
(1,934)	1:97:B:LYS:HA	1:97:B:LYS:HE3	3	0.56
(1,934)	1:97:B:LYS:HA	1:97:B:LYS:HE3	6	0.56
(1,933)	1:97:A:LYS:HA	1:97:A:LYS:HE3	3	0.56
(1,933)	1:97:A:LYS:HA	1:97:A:LYS:HE3	6	0.56
(1,884)	1:34:B:LEU:HB3	1:80:B:PHE:HB2	6	0.56
(1,883)	1:34:A:LEU:HB3	1:80:A:PHE:HB2	6	0.56
(1,484)	1:14:B:ILE:HB	1:10:B:THR:HG21	15	0.56
(1,483)	1:14:A:ILE:HB	1:10:A:THR:HG21	15	0.56
(1,482)	1:8:B:THR:HA	1:10:B:THR:HG21	1	0.56
(1,482)	1:8:B:THR:HA	1:10:B:THR:HG21	14	0.56
(1,481)	1:8:A:THR:HA	1:10:A:THR:HG21	1	0.56
(1,481)	1:8:A:THR:HA	1:10:A:THR:HG21	15	0.56
(1,476)	1:67:B:LEU:HB3	1:75:B:LEU:HB2	12	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,475)	1:67:A:LEU:HB3	1:75:A:LEU:HB2	12	0.56
(1,422)	1:18:B:ILE:HG23	1:95:A:PHE:H	2	0.56
(1,422)	1:18:B:ILE:HG22	1:95:A:PHE:H	15	0.56
(1,421)	1:18:A:ILE:HG23	1:95:B:PHE:H	2	0.56
(1,251)	1:76:A:ASP:HB2	1:77:A:PHE:HB2	2	0.56
(1,136)	1:89:B:MET:HG2	1:85:B:GLY:HA3	8	0.56
(1,135)	1:89:A:MET:HG2	1:85:A:GLY:HA3	8	0.56
(1,106)	1:102:B:GLN:HG2	1:22:A:GLN:HB3	18	0.56
(1,105)	1:102:A:GLN:HG3	1:22:B:GLN:HB3	5	0.56
(1,105)	1:102:A:GLN:HG2	1:22:B:GLN:HB3	18	0.56
(1,14)	1:14:B:ILE:HG21	1:84:A:ILE:HG22	10	0.56
(1,13)	1:14:A:ILE:HG21	1:84:B:ILE:HG23	9	0.56
(1,13)	1:14:A:ILE:HG21	1:84:B:ILE:HG22	10	0.56
(2,124)	1:44:B:ASN:HB2	1:48:B:ALA:H	1	0.55
(2,124)	1:44:B:ASN:HB2	1:48:B:ALA:H	2	0.55
(2,124)	1:44:B:ASN:HB2	1:48:B:ALA:H	8	0.55
(2,123)	1:44:A:ASN:HB2	1:48:A:ALA:H	1	0.55
(2,123)	1:44:A:ASN:HB2	1:48:A:ALA:H	2	0.55
(2,123)	1:44:A:ASN:HB2	1:48:A:ALA:H	12	0.55
(2,16)	1:61:B:ASP:HB2	1:62:B:ARG:HD2	4	0.55
(1,5708)	1:14:B:ILE:H	1:14:B:ILE:HD12	3	0.55
(1,5708)	1:14:B:ILE:H	1:14:B:ILE:HD13	14	0.55
(1,5708)	1:14:B:ILE:H	1:14:B:ILE:HD12	18	0.55
(1,5707)	1:14:A:ILE:H	1:14:A:ILE:HD12	3	0.55
(1,5707)	1:14:A:ILE:H	1:14:A:ILE:HD13	14	0.55
(1,5707)	1:14:A:ILE:H	1:14:A:ILE:HD12	18	0.55
(1,5704)	1:81:B:LEU:H	1:81:B:LEU:HD21	15	0.55
(1,5703)	1:81:A:LEU:H	1:81:A:LEU:HD21	15	0.55
(1,5703)	1:81:A:LEU:H	1:81:A:LEU:HD21	19	0.55
(1,5681)	1:87:A:LEU:H	1:87:A:LEU:HD13	9	0.55
(1,5676)	1:61:B:ASP:H	1:60:B:LEU:HG	6	0.55
(1,5675)	1:61:A:ASP:H	1:60:A:LEU:HG	6	0.55
(1,5657)	1:47:A:LEU:H	1:47:A:LEU:HD22	9	0.55
(1,5530)	1:39:B:PHE:H	1:40:B:LEU:HD23	18	0.55
(1,5529)	1:39:A:PHE:H	1:40:A:LEU:HD23	18	0.55
(1,5471)	1:80:A:PHE:H	1:75:A:LEU:HD12	17	0.55
(1,5444)	1:95:B:PHE:H	1:98:B:ALA:HB1	15	0.55
(1,5443)	1:95:A:PHE:H	1:98:A:ALA:HB3	11	0.55
(1,5443)	1:95:A:PHE:H	1:98:A:ALA:HB2	19	0.55
(1,5440)	1:93:B:ASP:H	1:96:B:LEU:HB2	11	0.55
(1,5439)	1:93:A:ASP:H	1:96:A:LEU:HB2	11	0.55
(1,5400)	1:90:B:ALA:H	1:89:B:MET:HG2	12	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5386)	1:40:B:LEU:H	1:75:B:LEU:HD12	7	0.55
(1,5385)	1:40:A:LEU:H	1:75:A:LEU:HD12	7	0.55
(1,5352)	1:41:B:SER:H	1:39:B:PHE:HB3	7	0.55
(1,5320)	1:77:B:PHE:H	1:78:B:SER:HA	2	0.55
(1,5320)	1:77:B:PHE:H	1:78:B:SER:HA	20	0.55
(1,5319)	1:77:A:PHE:H	1:78:A:SER:HA	2	0.55
(1,5319)	1:77:A:PHE:H	1:78:A:SER:HA	20	0.55
(1,5300)	1:26:B:GLY:H	1:23:B:LYS:HD2	11	0.55
(1,5299)	1:26:A:GLY:H	1:23:A:LYS:HD2	11	0.55
(1,5298)	1:26:B:GLY:H	1:23:B:LYS:HD2	11	0.55
(1,5297)	1:26:A:GLY:H	1:23:A:LYS:HD2	11	0.55
(1,5283)	1:98:A:ALA:H	1:96:A:LEU:HD23	20	0.55
(1,5223)	1:21:A:PHE:H	1:81:A:LEU:HD21	5	0.55
(1,5150)	1:36:B:LYS:HD2	1:36:B:LYS:HE3	4	0.55
(1,5150)	1:66:B:LYS:HD3	1:66:B:LYS:HE2	13	0.55
(1,5149)	1:36:A:LYS:HD2	1:36:A:LYS:HE3	4	0.55
(1,5149)	1:66:A:LYS:HD3	1:66:A:LYS:HE2	13	0.55
(1,4974)	1:83:B:LEU:HD22	1:80:B:PHE:HA	20	0.55
(1,4973)	1:83:A:LEU:HD22	1:80:A:PHE:HA	20	0.55
(1,4938)	1:10:B:THR:HG23	1:87:A:LEU:HD22	1	0.55
(1,4938)	1:10:B:THR:HG22	1:87:A:LEU:HD23	17	0.55
(1,4937)	1:10:A:THR:HG22	1:87:B:LEU:HD23	17	0.55
(1,4882)	1:37:B:THR:HG23	1:40:B:LEU:HB2	12	0.55
(1,4818)	1:59:B:VAL:HA	1:62:B:ARG:HG2	19	0.55
(1,4817)	1:59:A:VAL:HA	1:62:A:ARG:HG2	19	0.55
(1,4790)	1:66:B:LYS:HB3	1:67:B:LEU:HD21	8	0.55
(1,4790)	1:66:B:LYS:HB3	1:67:B:LEU:HD22	16	0.55
(1,4789)	1:66:A:LYS:HB3	1:67:A:LEU:HD21	8	0.55
(1,4715)	1:17:A:LEU:HD21	1:13:B:CYS:HB2	9	0.55
(1,4686)	1:20:B:VAL:HG12	1:22:B:GLN:HB2	7	0.55
(1,4676)	1:63:B:MET:HG3	1:63:B:MET:HA	13	0.55
(1,4675)	1:63:A:MET:HG3	1:63:A:MET:HA	13	0.55
(1,4670)	1:87:B:LEU:HG	1:47:B:LEU:HD13	9	0.55
(1,4669)	1:87:A:LEU:HG	1:47:A:LEU:HD13	9	0.55
(1,4664)	1:7:B:PRO:HB2	1:7:B:PRO:HD3	3	0.55
(1,4664)	1:7:B:PRO:HB2	1:7:B:PRO:HD3	11	0.55
(1,4663)	1:7:A:PRO:HB2	1:7:A:PRO:HD3	3	0.55
(1,4663)	1:7:A:PRO:HB2	1:7:A:PRO:HD3	11	0.55
(1,4628)	1:60:B:LEU:HD22	1:47:B:LEU:H	17	0.55
(1,4627)	1:60:A:LEU:HD21	1:47:A:LEU:H	15	0.55
(1,4627)	1:60:A:LEU:HD22	1:47:A:LEU:H	17	0.55
(1,4604)	1:47:B:LEU:HD13	1:42:B:PHE:HA	2	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4603)	1:47:A:LEU:HD13	1:42:A:PHE:HA	2	0.55
(1,4600)	1:43:B:MET:H	1:60:B:LEU:HD13	14	0.55
(1,4600)	1:43:B:MET:H	1:60:B:LEU:HD12	18	0.55
(1,4599)	1:43:A:MET:H	1:60:A:LEU:HD13	14	0.55
(1,4599)	1:43:A:MET:H	1:60:A:LEU:HD12	18	0.55
(1,4548)	1:50:B:PHE:HB2	1:47:B:LEU:HD22	12	0.55
(1,4458)	1:18:B:ILE:HG22	1:19:B:ALA:HB1	20	0.55
(1,4457)	1:18:A:ILE:HG22	1:19:A:ALA:HB1	20	0.55
(1,4440)	1:49:B:ALA:HB1	1:50:B:PHE:HB2	5	0.55
(1,4439)	1:49:A:ALA:HB1	1:50:A:PHE:HB2	5	0.55
(1,4421)	1:42:A:PHE:HA	1:45:A:THR:HG21	19	0.55
(1,4408)	1:91:B:CYS:HA	1:90:B:ALA:HB1	6	0.55
(1,4408)	1:91:B:CYS:HA	1:90:B:ALA:HB1	18	0.55
(1,4407)	1:91:A:CYS:HA	1:90:A:ALA:HB1	6	0.55
(1,4407)	1:91:A:CYS:HA	1:90:A:ALA:HB3	15	0.55
(1,4398)	1:13:B:CYS:HB2	1:17:A:LEU:HD13	16	0.55
(1,4384)	1:11:B:GLU:HB3	1:14:B:ILE:HD11	5	0.55
(1,4342)	1:83:B:LEU:HD11	1:86:B:GLY:H	20	0.55
(1,4341)	1:83:A:LEU:HD11	1:86:A:GLY:H	11	0.55
(1,4298)	1:44:B:ASN:HA	1:47:B:LEU:HD11	10	0.55
(1,4277)	1:16:A:SER:HA	1:15:A:GLU:HB2	9	0.55
(1,4270)	1:25:B:ALA:HB2	1:24:B:TYR:HB2	3	0.55
(1,4269)	1:25:A:ALA:HB2	1:24:A:TYR:HB2	3	0.55
(1,4238)	1:8:B:THR:HA	1:11:B:GLU:HB2	6	0.55
(1,4237)	1:8:A:THR:HA	1:11:A:GLU:HB2	6	0.55
(1,4226)	1:65:B:LYS:HA	1:64:B:MET:HA	11	0.55
(1,4225)	1:65:A:LYS:HA	1:64:A:MET:HA	11	0.55
(1,4201)	1:11:A:GLU:HG2	1:8:A:THR:HG23	18	0.55
(1,4198)	1:60:B:LEU:HD11	1:44:B:ASN:HB2	4	0.55
(1,4197)	1:60:A:LEU:HD11	1:44:A:ASN:HB2	4	0.55
(1,4174)	1:67:B:LEU:HD23	1:81:B:LEU:HA	14	0.55
(1,4171)	1:44:A:ASN:HB2	1:43:A:MET:HB2	19	0.55
(1,4120)	1:46:B:GLU:HB3	1:87:B:LEU:HD13	11	0.55
(1,4119)	1:46:A:GLU:HB3	1:87:A:LEU:HD13	11	0.55
(1,4114)	1:18:B:ILE:H	1:17:B:LEU:HD11	11	0.55
(1,4113)	1:18:A:ILE:H	1:17:A:LEU:HD11	11	0.55
(1,4113)	1:18:A:ILE:H	1:17:A:LEU:HD13	19	0.55
(1,4090)	1:60:B:LEU:HB3	1:64:B:MET:H	2	0.55
(1,4090)	1:60:B:LEU:HB3	1:64:B:MET:H	4	0.55
(1,4074)	1:15:B:GLU:HA	1:18:B:ILE:HA	3	0.55
(1,4074)	1:18:B:ILE:HA	1:19:B:ALA:HA	6	0.55
(1,4074)	1:18:B:ILE:HA	1:19:B:ALA:HA	12	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4073)	1:15:A:GLU:HA	1:18:A:ILE:HA	3	0.55
(1,4073)	1:18:A:ILE:HA	1:19:A:ALA:HA	6	0.55
(1,4073)	1:18:A:ILE:HA	1:19:A:ALA:HA	12	0.55
(1,4066)	1:44:B:ASN:HB3	1:60:B:LEU:HD12	14	0.55
(1,4064)	1:23:B:LYS:HD3	1:24:B:TYR:H	7	0.55
(1,4063)	1:23:A:LYS:HD3	1:24:A:TYR:H	7	0.55
(1,4050)	1:74:B:GLN:HG3	1:68:B:ASP:HB2	18	0.55
(1,4049)	1:74:A:GLN:HG3	1:68:A:ASP:HB2	18	0.55
(1,4030)	1:73:B:GLY:HA3	1:36:B:LYS:HD3	17	0.55
(1,4029)	1:73:A:GLY:HA3	1:36:A:LYS:HD3	17	0.55
(1,3929)	1:74:A:GLN:HA	1:34:A:LEU:HB3	3	0.55
(1,3918)	1:19:B:ALA:H	1:20:B:VAL:HB	13	0.55
(1,3917)	1:19:A:ALA:H	1:20:A:VAL:HB	13	0.55
(1,3914)	1:35:B:SER:HA	1:34:B:LEU:HG	14	0.55
(1,3914)	1:35:B:SER:HA	1:34:B:LEU:HG	17	0.55
(1,3913)	1:35:A:SER:HA	1:34:A:LEU:HG	17	0.55
(1,3870)	1:12:B:ARG:HD3	1:14:B:ILE:HA	6	0.55
(1,3869)	1:12:A:ARG:HD3	1:14:A:ILE:HA	5	0.55
(1,3869)	1:12:A:ARG:HD3	1:14:A:ILE:HA	6	0.55
(1,3863)	1:74:A:GLN:HG3	1:75:A:LEU:HD22	7	0.55
(1,3862)	1:98:B:ALA:HB2	1:96:B:LEU:HD22	5	0.55
(1,3862)	1:98:B:ALA:HB1	1:96:B:LEU:HD23	6	0.55
(1,3861)	1:98:A:ALA:HB2	1:96:A:LEU:HD22	5	0.55
(1,3846)	1:8:B:THR:HA	1:12:B:ARG:HG2	10	0.55
(1,3846)	1:8:B:THR:HA	1:12:B:ARG:HG2	20	0.55
(1,3845)	1:8:A:THR:HA	1:12:A:ARG:HG2	10	0.55
(1,3845)	1:8:A:THR:HA	1:12:A:ARG:HG2	20	0.55
(1,3842)	1:63:B:MET:HG3	1:61:B:ASP:H	8	0.55
(1,3841)	1:63:A:MET:HG3	1:61:A:ASP:H	8	0.55
(1,3800)	1:47:B:LEU:HA	1:87:B:LEU:HD21	7	0.55
(1,3799)	1:47:A:LEU:HA	1:87:A:LEU:HD21	7	0.55
(1,3684)	1:73:B:GLY:HA3	1:74:B:GLN:HB2	11	0.55
(1,3683)	1:73:A:GLY:HA3	1:74:A:GLN:HB2	6	0.55
(1,3683)	1:73:A:GLY:HA3	1:74:A:GLN:HB2	11	0.55
(1,3656)	1:48:B:ALA:HB2	1:11:A:GLU:HG3	18	0.55
(1,3655)	1:48:A:ALA:HB2	1:11:B:GLU:HG3	18	0.55
(1,3648)	1:12:B:ARG:HD3	1:14:B:ILE:HA	6	0.55
(1,3647)	1:12:A:ARG:HD3	1:14:A:ILE:HA	5	0.55
(1,3647)	1:12:A:ARG:HD3	1:14:A:ILE:HA	6	0.55
(1,3646)	1:12:B:ARG:HD3	1:14:B:ILE:HA	6	0.55
(1,3645)	1:12:A:ARG:HD3	1:14:A:ILE:HA	5	0.55
(1,3645)	1:12:A:ARG:HD3	1:14:A:ILE:HA	6	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3642)	1:21:B:PHE:HB2	1:22:B:GLN:HA	7	0.55
(1,3641)	1:21:A:PHE:HB2	1:22:A:GLN:HA	7	0.55
(1,3607)	1:37:A:THR:HG21	1:39:A:PHE:H	20	0.55
(1,3578)	1:51:B:THR:HB	1:44:B:ASN:HB3	17	0.55
(1,3577)	1:51:A:THR:HB	1:44:A:ASN:HB3	17	0.55
(1,3516)	1:51:B:THR:HG22	1:50:B:PHE:HB3	10	0.55
(1,3515)	1:51:A:THR:HG22	1:50:A:PHE:HB3	10	0.55
(1,3515)	1:51:A:THR:HG23	1:50:A:PHE:HB3	16	0.55
(1,3510)	1:7:B:PRO:HB2	1:12:B:ARG:HD3	6	0.55
(1,3509)	1:7:A:PRO:HB2	1:12:A:ARG:HD3	6	0.55
(1,3500)	1:73:B:GLY:HA2	1:72:B:ASP:HB2	12	0.55
(1,3499)	1:73:A:GLY:HA2	1:72:A:ASP:HB2	12	0.55
(1,3473)	1:17:A:LEU:HG	1:21:A:PHE:H	2	0.55
(1,3468)	1:75:B:LEU:HB3	1:33:B:THR:HA	1	0.55
(1,3467)	1:75:A:LEU:HB3	1:33:A:THR:HA	1	0.55
(1,3462)	1:84:B:ILE:HB	1:80:B:PHE:HB3	17	0.55
(1,3461)	1:84:A:ILE:HB	1:80:A:PHE:HB3	17	0.55
(1,3442)	1:69:B:THR:HB	1:66:B:LYS:HG2	14	0.55
(1,3442)	1:69:B:THR:HB	1:66:B:LYS:HG2	18	0.55
(1,3441)	1:69:A:THR:HB	1:66:A:LYS:HG2	14	0.55
(1,3441)	1:69:A:THR:HB	1:66:A:LYS:HG2	18	0.55
(1,3372)	1:10:B:THR:HG23	1:87:A:LEU:HD22	1	0.55
(1,3372)	1:10:B:THR:HG22	1:87:A:LEU:HD23	17	0.55
(1,3371)	1:10:A:THR:HG22	1:87:B:LEU:HD23	17	0.55
(1,3254)	1:62:B:ARG:H	1:61:B:ASP:HB2	16	0.55
(1,3024)	1:76:B:ASP:H	1:75:B:LEU:HB2	1	0.55
(1,3023)	1:76:A:ASP:H	1:75:A:LEU:HB2	1	0.55
(1,3023)	1:76:A:ASP:H	1:75:A:LEU:HB2	13	0.55
(1,2824)	1:24:B:TYR:H	1:25:B:ALA:HB3	6	0.55
(1,2823)	1:24:A:TYR:H	1:25:A:ALA:HB1	3	0.55
(1,2823)	1:24:A:TYR:H	1:25:A:ALA:HB3	6	0.55
(1,2823)	1:24:A:TYR:H	1:25:A:ALA:HB2	7	0.55
(1,2816)	1:11:B:GLU:H	1:8:B:THR:HG21	15	0.55
(1,2815)	1:11:A:GLU:H	1:8:A:THR:HG21	15	0.55
(1,2776)	1:50:B:PHE:H	1:47:B:LEU:HB2	16	0.55
(1,2776)	1:50:B:PHE:H	1:47:B:LEU:HB2	17	0.55
(1,2775)	1:50:A:PHE:H	1:47:A:LEU:HB2	17	0.55
(1,2768)	1:80:B:PHE:H	1:75:B:LEU:HB2	10	0.55
(1,2767)	1:80:A:PHE:H	1:75:A:LEU:HB2	10	0.55
(1,2698)	1:27:B:LYS:H	1:25:B:ALA:HB3	16	0.55
(1,2697)	1:27:A:LYS:H	1:25:A:ALA:HB3	16	0.55
(1,2674)	1:92:B:HIS:H	1:14:A:ILE:HG21	15	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2673)	1:92:A:HIS:H	1:14:B:ILE:HG21	15	0.55
(1,2482)	1:78:B:SER:H	1:33:B:THR:HG21	20	0.55
(1,2481)	1:78:A:SER:H	1:33:A:THR:HG21	20	0.55
(1,1952)	1:66:B:LYS:HB3	1:66:B:LYS:HE3	13	0.55
(1,1951)	1:66:A:LYS:HB3	1:66:A:LYS:HE3	13	0.55
(1,1876)	1:67:B:LEU:HD23	1:66:B:LYS:HE3	5	0.55
(1,1875)	1:67:A:LEU:HD23	1:66:A:LYS:HE3	5	0.55
(1,1828)	1:57:B:PRO:HD3	1:57:B:PRO:HA	16	0.55
(1,1827)	1:57:A:PRO:HD3	1:57:A:PRO:HA	16	0.55
(1,1606)	1:74:B:GLN:HG3	1:33:B:THR:HG23	15	0.55
(1,1453)	1:48:A:ALA:HA	1:51:A:THR:HG21	12	0.55
(1,1015)	1:9:A:GLU:HG2	1:13:A:CYS:HB3	1	0.55
(1,856)	1:9:B:GLU:HG2	1:17:A:LEU:HD23	1	0.55
(1,816)	1:9:B:GLU:HG2	1:10:B:THR:HG22	1	0.55
(1,815)	1:9:A:GLU:HG2	1:10:A:THR:HG22	1	0.55
(1,566)	1:25:B:ALA:HB2	1:33:B:THR:HG22	1	0.55
(1,565)	1:25:A:ALA:HB2	1:33:A:THR:HG22	1	0.55
(1,421)	1:18:A:ILE:HG22	1:95:B:PHE:H	8	0.55
(1,421)	1:18:A:ILE:HG21	1:95:B:PHE:H	9	0.55
(1,342)	1:69:B:THR:HB	1:75:B:LEU:HD22	20	0.55
(1,341)	1:69:A:THR:HB	1:75:A:LEU:HD22	20	0.55
(1,326)	1:96:B:LEU:HG	1:95:B:PHE:HB2	5	0.55
(1,325)	1:96:A:LEU:HG	1:95:A:PHE:HB2	5	0.55
(1,252)	1:76:B:ASP:HB2	1:77:B:PHE:HB2	2	0.55
(1,146)	1:78:B:SER:HB3	1:81:B:LEU:HB3	2	0.55
(1,5708)	1:14:B:ILE:H	1:14:B:ILE:HD12	12	0.54
(1,5707)	1:14:A:ILE:H	1:14:A:ILE:HD12	12	0.54
(1,5704)	1:81:B:LEU:H	1:81:B:LEU:HD23	10	0.54
(1,5704)	1:81:B:LEU:H	1:81:B:LEU:HD21	19	0.54
(1,5703)	1:81:A:LEU:H	1:81:A:LEU:HD23	10	0.54
(1,5682)	1:87:B:LEU:H	1:87:B:LEU:HD13	9	0.54
(1,5676)	1:61:B:ASP:H	1:60:B:LEU:HG	18	0.54
(1,5675)	1:61:A:ASP:H	1:60:A:LEU:HG	18	0.54
(1,5658)	1:47:B:LEU:H	1:47:B:LEU:HD22	9	0.54
(1,5622)	1:47:B:LEU:H	1:48:B:ALA:HB3	15	0.54
(1,5621)	1:47:A:LEU:H	1:48:A:ALA:HB3	15	0.54
(1,5540)	1:10:B:THR:H	1:20:A:VAL:HG23	12	0.54
(1,5539)	1:10:A:THR:H	1:20:B:VAL:HG23	12	0.54
(1,5496)	1:90:B:ALA:H	1:89:B:MET:HG2	10	0.54
(1,5495)	1:90:A:ALA:H	1:89:A:MET:HG2	10	0.54
(1,5477)	1:37:A:THR:H	1:40:A:LEU:HD11	16	0.54
(1,5475)	1:50:A:PHE:H	1:47:A:LEU:HD23	11	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5472)	1:80:B:PHE:H	1:75:B:LEU:HD12	17	0.54
(1,5399)	1:90:A:ALA:H	1:89:A:MET:HG2	12	0.54
(1,5386)	1:40:B:LEU:H	1:75:B:LEU:HD12	19	0.54
(1,5385)	1:40:A:LEU:H	1:75:A:LEU:HD12	19	0.54
(1,5374)	1:10:B:THR:H	1:47:A:LEU:HD22	6	0.54
(1,5373)	1:10:A:THR:H	1:47:B:LEU:HD22	6	0.54
(1,5351)	1:41:A:SER:H	1:39:A:PHE:HB3	7	0.54
(1,5350)	1:26:B:GLY:H	1:38:B:GLU:HB3	19	0.54
(1,5322)	1:47:B:LEU:H	1:87:B:LEU:HD23	13	0.54
(1,5321)	1:47:A:LEU:H	1:87:A:LEU:HD23	13	0.54
(1,5320)	1:77:B:PHE:H	1:78:B:SER:HA	11	0.54
(1,5319)	1:77:A:PHE:H	1:78:A:SER:HA	11	0.54
(1,5283)	1:98:A:ALA:H	1:96:A:LEU:HD22	14	0.54
(1,5274)	1:77:B:PHE:H	1:34:B:LEU:HD13	15	0.54
(1,5273)	1:77:A:PHE:H	1:34:A:LEU:HD13	15	0.54
(1,5242)	1:81:B:LEU:H	1:77:B:PHE:H	5	0.54
(1,5241)	1:81:A:LEU:H	1:77:A:PHE:H	5	0.54
(1,5150)	1:36:B:LYS:HD2	1:36:B:LYS:HE3	3	0.54
(1,5150)	1:66:B:LYS:HD3	1:66:B:LYS:HE2	9	0.54
(1,5150)	1:66:B:LYS:HD3	1:66:B:LYS:HE2	11	0.54
(1,5150)	1:66:B:LYS:HD3	1:66:B:LYS:HE2	12	0.54
(1,5150)	1:36:B:LYS:HD2	1:36:B:LYS:HE3	14	0.54
(1,5150)	1:66:B:LYS:HD2	1:66:B:LYS:HE3	17	0.54
(1,5149)	1:36:A:LYS:HD2	1:36:A:LYS:HE3	3	0.54
(1,5149)	1:66:A:LYS:HD3	1:66:A:LYS:HE2	9	0.54
(1,5149)	1:66:A:LYS:HD3	1:66:A:LYS:HE2	11	0.54
(1,5149)	1:66:A:LYS:HD3	1:66:A:LYS:HE2	12	0.54
(1,5149)	1:36:A:LYS:HD2	1:36:A:LYS:HE3	14	0.54
(1,5149)	1:66:A:LYS:HD2	1:66:A:LYS:HE3	17	0.54
(1,4974)	1:83:B:LEU:HD21	1:80:B:PHE:HA	6	0.54
(1,4973)	1:83:A:LEU:HD21	1:80:A:PHE:HA	6	0.54
(1,4882)	1:37:B:THR:HG23	1:40:B:LEU:HB2	20	0.54
(1,4881)	1:37:A:THR:HG23	1:40:A:LEU:HB2	20	0.54
(1,4856)	1:25:B:ALA:HA	1:34:B:LEU:HD21	6	0.54
(1,4855)	1:25:A:ALA:HA	1:34:A:LEU:HD21	6	0.54
(1,4734)	1:20:B:VAL:HG22	1:46:B:GLU:HB2	9	0.54
(1,4733)	1:20:A:VAL:HG22	1:46:A:GLU:HB2	9	0.54
(1,4718)	1:87:B:LEU:HD21	1:14:A:ILE:HB	12	0.54
(1,4686)	1:20:B:VAL:HG12	1:22:B:GLN:HB2	9	0.54
(1,4685)	1:20:A:VAL:HG12	1:22:A:GLN:HB2	7	0.54
(1,4685)	1:20:A:VAL:HG12	1:22:A:GLN:HB2	9	0.54
(1,4676)	1:63:B:MET:HG3	1:63:B:MET:HA	5	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4675)	1:63:A:MET:HG3	1:63:A:MET:HA	5	0.54
(1,4670)	1:87:B:LEU:HG	1:47:B:LEU:HD11	1	0.54
(1,4669)	1:87:A:LEU:HG	1:47:A:LEU:HD11	1	0.54
(1,4664)	1:100:B:PRO:HD2	1:100:B:PRO:HB2	2	0.54
(1,4664)	1:7:B:PRO:HB2	1:7:B:PRO:HD3	14	0.54
(1,4663)	1:100:A:PRO:HD2	1:100:A:PRO:HB2	2	0.54
(1,4663)	1:7:A:PRO:HB2	1:7:A:PRO:HD3	6	0.54
(1,4663)	1:7:A:PRO:HB2	1:7:A:PRO:HD3	14	0.54
(1,4652)	1:37:B:THR:HG23	1:41:B:SER:H	2	0.54
(1,4652)	1:37:B:THR:HG22	1:41:B:SER:H	5	0.54
(1,4651)	1:37:A:THR:HG23	1:41:A:SER:H	2	0.54
(1,4651)	1:37:A:THR:HG22	1:41:A:SER:H	5	0.54
(1,4628)	1:60:B:LEU:HD21	1:47:B:LEU:H	15	0.54
(1,4622)	1:89:B:MET:HA	1:88:B:ALA:HB3	14	0.54
(1,4621)	1:89:A:MET:HA	1:88:A:ALA:HB3	14	0.54
(1,4600)	1:43:B:MET:H	1:60:B:LEU:HD12	5	0.54
(1,4599)	1:43:A:MET:H	1:60:A:LEU:HD12	5	0.54
(1,4577)	1:65:A:LYS:HD3	1:68:A:ASP:HA	3	0.54
(1,4565)	1:65:A:LYS:HD3	1:68:A:ASP:HA	3	0.54
(1,4547)	1:50:A:PHE:HB2	1:47:A:LEU:HD22	12	0.54
(1,4546)	1:23:B:LYS:HE2	1:9:A:GLU:HB3	13	0.54
(1,4545)	1:23:A:LYS:HE2	1:9:B:GLU:HB3	13	0.54
(1,4522)	1:69:B:THR:HG22	1:70:B:ASN:HB3	15	0.54
(1,4521)	1:69:A:THR:HG22	1:70:A:ASN:HB3	15	0.54
(1,4516)	1:94:B:SER:HB2	1:95:B:PHE:HB2	15	0.54
(1,4496)	1:38:B:GLU:HA	1:34:B:LEU:HD22	8	0.54
(1,4495)	1:89:A:MET:HA	1:81:B:LEU:HD12	8	0.54
(1,4478)	1:65:B:LYS:HE2	1:68:B:ASP:HB3	19	0.54
(1,4477)	1:65:A:LYS:HE2	1:68:A:ASP:HB3	19	0.54
(1,4458)	1:18:B:ILE:HG22	1:19:B:ALA:HB2	3	0.54
(1,4408)	1:91:B:CYS:HA	1:90:B:ALA:HB3	3	0.54
(1,4408)	1:91:B:CYS:HA	1:90:B:ALA:HB3	15	0.54
(1,4408)	1:91:B:CYS:HA	1:90:B:ALA:HB1	16	0.54
(1,4408)	1:91:B:CYS:HA	1:90:B:ALA:HB2	20	0.54
(1,4407)	1:91:A:CYS:HA	1:90:A:ALA:HB3	3	0.54
(1,4407)	1:91:A:CYS:HA	1:90:A:ALA:HB1	16	0.54
(1,4407)	1:91:A:CYS:HA	1:90:A:ALA:HB1	18	0.54
(1,4407)	1:91:A:CYS:HA	1:90:A:ALA:HB2	20	0.54
(1,4383)	1:11:A:GLU:HB3	1:14:A:ILE:HD11	5	0.54
(1,4342)	1:83:B:LEU:HD11	1:86:B:GLY:H	11	0.54
(1,4341)	1:83:A:LEU:HD11	1:86:A:GLY:H	20	0.54
(1,4319)	1:65:A:LYS:HD3	1:68:A:ASP:HA	3	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4274)	1:89:B:MET:HB2	1:81:A:LEU:HD12	14	0.54
(1,4273)	1:89:A:MET:HB2	1:81:B:LEU:HD12	14	0.54
(1,4270)	1:25:B:ALA:HB2	1:24:B:TYR:HB2	4	0.54
(1,4269)	1:25:A:ALA:HB2	1:24:A:TYR:HB2	4	0.54
(1,4246)	1:89:B:MET:HB2	1:85:B:GLY:H	10	0.54
(1,4245)	1:89:A:MET:HB2	1:85:A:GLY:H	10	0.54
(1,4238)	1:8:B:THR:HA	1:11:B:GLU:HB2	15	0.54
(1,4237)	1:8:A:THR:HA	1:11:A:GLU:HB2	15	0.54
(1,4226)	1:65:B:LYS:HA	1:64:B:MET:HA	16	0.54
(1,4225)	1:65:A:LYS:HA	1:64:A:MET:HA	16	0.54
(1,4213)	1:98:A:ALA:H	1:97:A:LYS:HD2	15	0.54
(1,4202)	1:11:B:GLU:HG2	1:8:B:THR:HG22	12	0.54
(1,4202)	1:11:B:GLU:HG2	1:8:B:THR:HG23	18	0.54
(1,4201)	1:11:A:GLU:HG2	1:8:A:THR:HG22	12	0.54
(1,4173)	1:67:A:LEU:HD23	1:81:A:LEU:HA	14	0.54
(1,4128)	1:95:B:PHE:H	1:98:B:ALA:HB2	13	0.54
(1,4127)	1:95:A:PHE:H	1:98:A:ALA:HB2	13	0.54
(1,4114)	1:18:B:ILE:H	1:17:B:LEU:HD13	2	0.54
(1,4113)	1:18:A:ILE:H	1:17:A:LEU:HD13	2	0.54
(1,4090)	1:60:B:LEU:HB3	1:64:B:MET:H	7	0.54
(1,4089)	1:60:A:LEU:HB3	1:64:A:MET:H	7	0.54
(1,4074)	1:15:B:GLU:HA	1:18:B:ILE:HA	2	0.54
(1,4074)	1:15:B:GLU:HA	1:18:B:ILE:HA	13	0.54
(1,4073)	1:15:A:GLU:HA	1:18:A:ILE:HA	2	0.54
(1,4073)	1:15:A:GLU:HA	1:18:A:ILE:HA	13	0.54
(1,4065)	1:44:A:ASN:HB3	1:60:A:LEU:HD12	14	0.54
(1,4050)	1:74:B:GLN:HG3	1:68:B:ASP:HB2	8	0.54
(1,4049)	1:74:A:GLN:HG3	1:68:A:ASP:HB2	8	0.54
(1,4046)	1:11:B:GLU:HB2	1:10:B:THR:HG21	15	0.54
(1,4045)	1:11:A:GLU:HB2	1:10:A:THR:HG21	15	0.54
(1,3980)	1:82:B:ASN:HA	1:67:B:LEU:HB3	19	0.54
(1,3979)	1:82:A:ASN:HA	1:67:A:LEU:HB3	19	0.54
(1,3914)	1:35:B:SER:HA	1:34:B:LEU:HG	8	0.54
(1,3914)	1:35:B:SER:HA	1:34:B:LEU:HG	11	0.54
(1,3913)	1:35:A:SER:HA	1:34:A:LEU:HG	8	0.54
(1,3913)	1:35:A:SER:HA	1:34:A:LEU:HG	11	0.54
(1,3913)	1:35:A:SER:HA	1:34:A:LEU:HG	14	0.54
(1,3900)	1:75:B:LEU:HB2	1:64:B:MET:HB2	1	0.54
(1,3870)	1:12:B:ARG:HD3	1:14:B:ILE:HA	5	0.54
(1,3861)	1:98:A:ALA:HB1	1:96:A:LEU:HD23	6	0.54
(1,3794)	1:74:B:GLN:HA	1:64:B:MET:HG2	8	0.54
(1,3793)	1:74:A:GLN:HA	1:64:A:MET:HG2	8	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3789)	1:91:A:CYS:HA	1:18:B:ILE:HG22	11	0.54
(1,3780)	1:48:B:ALA:HA	1:50:B:PHE:HB3	11	0.54
(1,3779)	1:48:A:ALA:HA	1:50:A:PHE:HB3	11	0.54
(1,3738)	1:67:B:LEU:HG	1:83:B:LEU:H	19	0.54
(1,3737)	1:67:A:LEU:HG	1:83:A:LEU:H	19	0.54
(1,3736)	1:37:B:THR:HB	1:35:B:SER:HA	13	0.54
(1,3735)	1:37:A:THR:HB	1:35:A:SER:HA	13	0.54
(1,3684)	1:73:B:GLY:HA3	1:74:B:GLN:HB2	6	0.54
(1,3683)	1:66:A:LYS:HB3	1:64:A:MET:HA	1	0.54
(1,3680)	1:33:B:THR:HB	1:34:B:LEU:HG	11	0.54
(1,3679)	1:33:A:THR:HB	1:34:A:LEU:HG	11	0.54
(1,3648)	1:12:B:ARG:HD3	1:14:B:ILE:HA	5	0.54
(1,3646)	1:12:B:ARG:HD3	1:14:B:ILE:HA	5	0.54
(1,3626)	1:34:B:LEU:HA	1:24:B:TYR:HB2	14	0.54
(1,3625)	1:34:A:LEU:HA	1:24:A:TYR:HB2	14	0.54
(1,3620)	1:97:B:LYS:HG3	1:93:B:ASP:HB3	13	0.54
(1,3608)	1:37:B:THR:HG21	1:39:B:PHE:H	20	0.54
(1,3606)	1:77:B:PHE:HB3	1:88:A:ALA:HB3	6	0.54
(1,3586)	1:11:B:GLU:HA	1:13:B:CYS:HB2	7	0.54
(1,3585)	1:11:A:GLU:HA	1:13:A:CYS:HB2	7	0.54
(1,3536)	1:18:B:ILE:HB	1:91:A:CYS:HB3	8	0.54
(1,3535)	1:18:A:ILE:HB	1:91:B:CYS:HB3	8	0.54
(1,3508)	1:46:B:GLU:HB3	1:45:B:THR:HB	9	0.54
(1,3506)	1:69:B:THR:HB	1:82:B:ASN:HB2	15	0.54
(1,3506)	1:69:B:THR:HB	1:82:B:ASN:HB2	17	0.54
(1,3505)	1:69:A:THR:HB	1:82:A:ASN:HB2	17	0.54
(1,3474)	1:17:B:LEU:HG	1:21:B:PHE:H	2	0.54
(1,3474)	1:17:B:LEU:HG	1:21:B:PHE:H	3	0.54
(1,3473)	1:17:A:LEU:HG	1:21:A:PHE:H	3	0.54
(1,3473)	1:17:A:LEU:HG	1:21:A:PHE:H	6	0.54
(1,3462)	1:84:B:ILE:HB	1:80:B:PHE:HB3	20	0.54
(1,3461)	1:84:A:ILE:HB	1:80:A:PHE:HB3	20	0.54
(1,3442)	1:69:B:THR:HB	1:66:B:LYS:HG2	20	0.54
(1,3441)	1:69:A:THR:HB	1:66:A:LYS:HG2	20	0.54
(1,3406)	1:15:B:GLU:HB3	1:102:A:GLN:HG2	17	0.54
(1,3391)	1:17:A:LEU:HD12	1:13:B:CYS:HA	8	0.54
(1,3391)	1:17:A:LEU:HD13	1:13:B:CYS:HA	20	0.54
(1,3390)	1:17:B:LEU:HD22	1:17:A:LEU:HD12	11	0.54
(1,3389)	1:17:A:LEU:HD22	1:17:B:LEU:HD12	11	0.54
(1,3382)	1:87:B:LEU:HD21	1:14:A:ILE:HB	12	0.54
(1,3378)	1:8:B:THR:HG22	1:48:A:ALA:HA	2	0.54
(1,3378)	1:8:B:THR:HG23	1:48:A:ALA:HA	17	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3362)	1:19:B:ALA:HB2	1:9:A:GLU:HA	17	0.54
(1,3360)	1:19:B:ALA:HB2	1:9:A:GLU:HA	17	0.54
(1,3170)	1:23:B:LYS:H	1:23:B:LYS:HD2	11	0.54
(1,3169)	1:23:A:LYS:H	1:23:A:LYS:HD2	11	0.54
(1,3102)	1:9:B:GLU:H	1:8:B:THR:HG21	11	0.54
(1,3024)	1:76:B:ASP:H	1:75:B:LEU:HB2	13	0.54
(1,2824)	1:24:B:TYR:H	1:25:B:ALA:HB1	15	0.54
(1,2823)	1:24:A:TYR:H	1:25:A:ALA:HB1	8	0.54
(1,2823)	1:24:A:TYR:H	1:25:A:ALA:HB1	15	0.54
(1,2518)	1:41:B:SER:H	1:34:B:LEU:HD21	15	0.54
(1,2517)	1:41:A:SER:H	1:34:A:LEU:HD21	15	0.54
(1,1606)	1:74:B:GLN:HG3	1:33:B:THR:HG22	3	0.54
(1,1605)	1:74:A:GLN:HG3	1:33:A:THR:HG22	3	0.54
(1,1454)	1:48:B:ALA:HA	1:51:B:THR:HG21	12	0.54
(1,1426)	1:47:B:LEU:HD13	1:50:B:PHE:HB3	20	0.54
(1,1238)	1:62:B:ARG:HB3	1:59:B:VAL:HA	17	0.54
(1,1094)	1:36:B:LYS:HB2	1:36:B:LYS:HE2	1	0.54
(1,1094)	1:36:B:LYS:HB2	1:36:B:LYS:HE2	14	0.54
(1,1093)	1:36:A:LYS:HB2	1:36:A:LYS:HE2	2	0.54
(1,1093)	1:36:A:LYS:HB2	1:36:A:LYS:HE2	12	0.54
(1,1093)	1:36:A:LYS:HB2	1:36:A:LYS:HE2	14	0.54
(1,1093)	1:36:A:LYS:HB2	1:36:A:LYS:HE2	17	0.54
(1,1024)	1:53:B:ASN:HA	1:52:B:LYS:HG3	20	0.54
(1,1023)	1:53:A:ASN:HA	1:52:A:LYS:HG3	20	0.54
(1,855)	1:9:A:GLU:HG2	1:17:B:LEU:HD23	1	0.54
(1,835)	1:59:A:VAL:HG21	1:62:A:ARG:H	17	0.54
(1,815)	1:9:A:GLU:HG2	1:10:A:THR:HG22	9	0.54
(1,624)	1:34:B:LEU:HB2	1:38:B:GLU:HB2	11	0.54
(1,624)	1:34:B:LEU:HB2	1:38:B:GLU:HB2	12	0.54
(1,624)	1:34:B:LEU:HB2	1:38:B:GLU:HB2	17	0.54
(1,623)	1:34:A:LEU:HB2	1:38:A:GLU:HB2	12	0.54
(1,623)	1:34:A:LEU:HB2	1:38:A:GLU:HB2	17	0.54
(1,422)	1:18:B:ILE:HG22	1:95:A:PHE:H	8	0.54
(1,422)	1:18:B:ILE:HG22	1:95:A:PHE:H	16	0.54
(1,421)	1:18:A:ILE:HG22	1:95:B:PHE:H	16	0.54
(1,326)	1:96:B:LEU:HG	1:95:B:PHE:HB2	9	0.54
(1,325)	1:96:A:LEU:HG	1:95:A:PHE:HB2	9	0.54
(1,218)	1:18:B:ILE:HA	1:95:A:PHE:HB2	11	0.54
(1,217)	1:18:A:ILE:HA	1:95:B:PHE:HB2	11	0.54
(1,145)	1:78:A:SER:HB3	1:81:A:LEU:HB3	2	0.54
(1,80)	1:12:B:ARG:HG3	1:17:A:LEU:HD22	13	0.54
(1,78)	1:12:B:ARG:HG3	1:17:A:LEU:HD22	13	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,40)	1:87:B:LEU:HD22	1:14:A:ILE:HD11	1	0.54
(1,39)	1:87:A:LEU:HD22	1:14:B:ILE:HD11	1	0.54
(2,123)	1:44:A:ASN:HB2	1:48:A:ALA:H	8	0.53
(1,5722)	1:67:B:LEU:H	1:67:B:LEU:HD21	4	0.53
(1,5721)	1:67:A:LEU:H	1:67:A:LEU:HD21	4	0.53
(1,5708)	1:14:B:ILE:H	1:14:B:ILE:HD12	6	0.53
(1,5708)	1:14:B:ILE:H	1:14:B:ILE:HD11	9	0.53
(1,5707)	1:14:A:ILE:H	1:14:A:ILE:HD12	6	0.53
(1,5707)	1:14:A:ILE:H	1:14:A:ILE:HD11	9	0.53
(1,5676)	1:61:B:ASP:H	1:60:B:LEU:HG	1	0.53
(1,5675)	1:61:A:ASP:H	1:60:A:LEU:HG	1	0.53
(1,5622)	1:47:B:LEU:H	1:48:B:ALA:HB1	10	0.53
(1,5621)	1:47:A:LEU:H	1:48:A:ALA:HB1	10	0.53
(1,5585)	1:46:A:GLU:H	1:45:A:THR:HG22	15	0.53
(1,5534)	1:82:B:ASN:H	1:80:B:PHE:HA	7	0.53
(1,5530)	1:39:B:PHE:H	1:40:B:LEU:HD23	13	0.53
(1,5529)	1:39:A:PHE:H	1:40:A:LEU:HD23	13	0.53
(1,5478)	1:37:B:THR:H	1:40:B:LEU:HD11	16	0.53
(1,5476)	1:50:B:PHE:H	1:47:B:LEU:HD23	8	0.53
(1,5476)	1:50:B:PHE:H	1:47:B:LEU:HD23	11	0.53
(1,5475)	1:50:A:PHE:H	1:47:A:LEU:HD23	8	0.53
(1,5400)	1:90:B:ALA:H	1:89:B:MET:HG2	18	0.53
(1,5399)	1:90:A:ALA:H	1:89:A:MET:HG2	18	0.53
(1,5386)	1:40:B:LEU:H	1:75:B:LEU:HD13	6	0.53
(1,5385)	1:40:A:LEU:H	1:75:A:LEU:HD13	6	0.53
(1,5374)	1:10:B:THR:H	1:47:A:LEU:HD21	12	0.53
(1,5349)	1:26:A:GLY:H	1:38:A:GLU:HB3	19	0.53
(1,5312)	1:28:B:ASP:H	1:34:B:LEU:HD22	8	0.53
(1,5311)	1:28:A:ASP:H	1:34:A:LEU:HD22	8	0.53
(1,5296)	1:76:B:ASP:H	1:78:B:SER:HB2	15	0.53
(1,5295)	1:76:A:ASP:H	1:78:A:SER:HB2	15	0.53
(1,5284)	1:98:B:ALA:H	1:96:B:LEU:HD22	14	0.53
(1,5280)	1:28:B:ASP:H	1:34:B:LEU:HD22	8	0.53
(1,5279)	1:28:A:ASP:H	1:34:A:LEU:HD22	8	0.53
(1,5242)	1:81:B:LEU:H	1:77:B:PHE:H	4	0.53
(1,5242)	1:81:B:LEU:H	1:77:B:PHE:H	13	0.53
(1,5241)	1:81:A:LEU:H	1:77:A:PHE:H	4	0.53
(1,5241)	1:81:A:LEU:H	1:77:A:PHE:H	13	0.53
(1,5224)	1:21:B:PHE:H	1:25:B:ALA:HB1	20	0.53
(1,5223)	1:21:A:PHE:H	1:25:A:ALA:HB1	20	0.53
(1,5216)	1:34:B:LEU:H	1:77:B:PHE:HB2	15	0.53
(1,5215)	1:34:A:LEU:H	1:77:A:PHE:HB2	15	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5150)	1:36:B:LYS:HD2	1:36:B:LYS:HE3	10	0.53
(1,5150)	1:36:B:LYS:HD2	1:36:B:LYS:HE3	19	0.53
(1,5150)	1:36:B:LYS:HD2	1:36:B:LYS:HE3	20	0.53
(1,5149)	1:36:A:LYS:HD2	1:36:A:LYS:HE3	10	0.53
(1,5149)	1:36:A:LYS:HD2	1:36:A:LYS:HE3	19	0.53
(1,5149)	1:36:A:LYS:HD2	1:36:A:LYS:HE3	20	0.53
(1,4904)	1:82:B:ASN:HB2	1:80:B:PHE:HB3	3	0.53
(1,4904)	1:82:B:ASN:HB2	1:80:B:PHE:HB3	11	0.53
(1,4903)	1:82:A:ASN:HB2	1:80:A:PHE:HB3	3	0.53
(1,4903)	1:82:A:ASN:HB2	1:80:A:PHE:HB3	11	0.53
(1,4790)	1:66:B:LYS:HB3	1:67:B:LEU:HD23	20	0.53
(1,4717)	1:87:A:LEU:HD21	1:14:B:ILE:HB	12	0.53
(1,4716)	1:17:B:LEU:HD21	1:13:A:CYS:HB2	12	0.53
(1,4715)	1:17:A:LEU:HD21	1:13:B:CYS:HB2	12	0.53
(1,4670)	1:87:B:LEU:HG	1:47:B:LEU:HD13	7	0.53
(1,4670)	1:87:B:LEU:HG	1:47:B:LEU:HD13	12	0.53
(1,4669)	1:87:A:LEU:HG	1:47:A:LEU:HD13	7	0.53
(1,4669)	1:87:A:LEU:HG	1:47:A:LEU:HD13	12	0.53
(1,4664)	1:100:B:PRO:HD2	1:100:B:PRO:HB2	1	0.53
(1,4664)	1:7:B:PRO:HB2	1:7:B:PRO:HD3	6	0.53
(1,4663)	1:100:A:PRO:HD2	1:100:A:PRO:HB2	1	0.53
(1,4652)	1:37:B:THR:HG21	1:41:B:SER:H	15	0.53
(1,4651)	1:37:A:THR:HG21	1:41:A:SER:H	15	0.53
(1,4621)	1:89:A:MET:HA	1:88:A:ALA:HB2	13	0.53
(1,4578)	1:65:B:LYS:HD3	1:68:B:ASP:HA	3	0.53
(1,4566)	1:65:B:LYS:HD3	1:68:B:ASP:HA	3	0.53
(1,4550)	1:90:B:ALA:HB3	1:91:B:CYS:HB2	1	0.53
(1,4516)	1:94:B:SER:HB2	1:95:B:PHE:HB2	3	0.53
(1,4516)	1:94:B:SER:HB2	1:95:B:PHE:HB2	19	0.53
(1,4515)	1:94:A:SER:HB2	1:95:A:PHE:HB2	15	0.53
(1,4464)	1:83:B:LEU:HD12	1:86:B:GLY:H	9	0.53
(1,4463)	1:83:A:LEU:HD12	1:86:A:GLY:H	9	0.53
(1,4457)	1:18:A:ILE:HG22	1:19:A:ALA:HB2	3	0.53
(1,4398)	1:13:B:CYS:HB2	1:17:A:LEU:HD12	13	0.53
(1,4397)	1:13:A:CYS:HB2	1:17:B:LEU:HD11	18	0.53
(1,4348)	1:82:B:ASN:HB2	1:80:B:PHE:HB3	3	0.53
(1,4348)	1:82:B:ASN:HB2	1:80:B:PHE:HB3	11	0.53
(1,4347)	1:82:A:ASN:HB2	1:80:A:PHE:HB3	3	0.53
(1,4347)	1:82:A:ASN:HB2	1:80:A:PHE:HB3	11	0.53
(1,4342)	1:83:B:LEU:HD12	1:86:B:GLY:H	4	0.53
(1,4341)	1:83:A:LEU:HD12	1:86:A:GLY:H	4	0.53
(1,4334)	1:68:B:ASP:HB2	1:67:B:LEU:HB2	8	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4333)	1:68:A:ASP:HB2	1:67:A:LEU:HB2	8	0.53
(1,4328)	1:15:B:GLU:HG3	1:88:A:ALA:HB2	8	0.53
(1,4320)	1:65:B:LYS:HD3	1:68:B:ASP:HA	3	0.53
(1,4296)	1:87:B:LEU:HA	1:86:B:GLY:HA3	6	0.53
(1,4296)	1:87:B:LEU:HA	1:86:B:GLY:HA3	20	0.53
(1,4295)	1:87:A:LEU:HA	1:86:A:GLY:HA3	2	0.53
(1,4295)	1:87:A:LEU:HA	1:86:A:GLY:HA3	6	0.53
(1,4295)	1:87:A:LEU:HA	1:86:A:GLY:HA3	20	0.53
(1,4246)	1:89:B:MET:HB2	1:85:B:GLY:H	8	0.53
(1,4245)	1:89:A:MET:HB2	1:85:A:GLY:H	8	0.53
(1,4238)	1:8:B:THR:HA	1:11:B:GLU:HB2	7	0.53
(1,4237)	1:8:A:THR:HA	1:11:A:GLU:HB2	7	0.53
(1,4214)	1:98:B:ALA:H	1:97:B:LYS:HD2	15	0.53
(1,4192)	1:61:B:ASP:HB3	1:40:B:LEU:HD23	7	0.53
(1,4191)	1:61:A:ASP:HB3	1:40:A:LEU:HD23	7	0.53
(1,4162)	1:22:B:GLN:HA	1:26:B:GLY:HA3	10	0.53
(1,4162)	1:22:B:GLN:HA	1:23:B:LYS:HA	19	0.53
(1,4161)	1:22:A:GLN:HA	1:26:A:GLY:HA3	10	0.53
(1,4161)	1:22:A:GLN:HA	1:23:A:LYS:HA	19	0.53
(1,4154)	1:82:B:ASN:HA	1:81:B:LEU:HB2	5	0.53
(1,4153)	1:82:A:ASN:HA	1:81:A:LEU:HB2	5	0.53
(1,4090)	1:60:B:LEU:HB3	1:64:B:MET:H	6	0.53
(1,4089)	1:60:A:LEU:HB3	1:64:A:MET:H	6	0.53
(1,4089)	1:60:A:LEU:HB3	1:64:A:MET:H	10	0.53
(1,4074)	1:15:B:GLU:HA	1:18:B:ILE:HA	20	0.53
(1,4073)	1:15:A:GLU:HA	1:18:A:ILE:HA	20	0.53
(1,4072)	1:66:B:LYS:H	1:66:B:LYS:HD3	11	0.53
(1,4071)	1:66:A:LYS:H	1:66:A:LYS:HD3	11	0.53
(1,3930)	1:74:B:GLN:HA	1:34:B:LEU:HB3	16	0.53
(1,3929)	1:74:A:GLN:HA	1:34:A:LEU:HB3	16	0.53
(1,3914)	1:35:B:SER:HA	1:34:B:LEU:HG	1	0.53
(1,3913)	1:35:A:SER:HA	1:34:A:LEU:HG	1	0.53
(1,3904)	1:57:B:PRO:HA	1:59:B:VAL:HA	16	0.53
(1,3899)	1:75:A:LEU:HB2	1:64:A:MET:HB2	1	0.53
(1,3820)	1:47:B:LEU:HD12	1:43:B:MET:H	13	0.53
(1,3819)	1:47:A:LEU:HD12	1:43:A:MET:H	13	0.53
(1,3790)	1:91:B:CYS:HA	1:18:A:ILE:HG23	2	0.53
(1,3790)	1:91:B:CYS:HA	1:18:A:ILE:HG22	11	0.53
(1,3789)	1:91:A:CYS:HA	1:18:B:ILE:HG23	2	0.53
(1,3758)	1:40:B:LEU:HA	1:36:B:LYS:HE2	6	0.53
(1,3757)	1:40:A:LEU:HA	1:36:A:LYS:HE2	6	0.53
(1,3684)	1:66:B:LYS:HB3	1:64:B:MET:HA	1	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3652)	1:47:B:LEU:HD21	1:10:A:THR:H	11	0.53
(1,3625)	1:34:A:LEU:HA	1:24:A:TYR:HB2	3	0.53
(1,3619)	1:97:A:LYS:HG3	1:93:A:ASP:HB3	13	0.53
(1,3524)	1:73:B:GLY:HA3	1:64:B:MET:HG3	6	0.53
(1,3523)	1:73:A:GLY:HA3	1:64:A:MET:HG3	6	0.53
(1,3507)	1:46:A:GLU:HB3	1:45:A:THR:HB	9	0.53
(1,3506)	1:69:B:THR:HB	1:82:B:ASN:HB2	18	0.53
(1,3505)	1:69:A:THR:HB	1:82:A:ASN:HB2	15	0.53
(1,3474)	1:17:B:LEU:HG	1:21:B:PHE:H	6	0.53
(1,3467)	1:75:A:LEU:HB3	1:33:A:THR:HA	7	0.53
(1,3442)	1:69:B:THR:HB	1:66:B:LYS:HG2	13	0.53
(1,3441)	1:69:A:THR:HB	1:66:A:LYS:HG2	13	0.53
(1,3392)	1:17:B:LEU:HD13	1:13:A:CYS:HA	20	0.53
(1,3391)	1:17:A:LEU:HD13	1:13:B:CYS:HA	3	0.53
(1,3381)	1:87:A:LEU:HD21	1:14:B:ILE:HB	12	0.53
(1,3350)	1:14:B:ILE:HD13	1:88:A:ALA:HB2	20	0.53
(1,3349)	1:14:A:ILE:HD13	1:88:B:ALA:HB2	9	0.53
(1,3101)	1:9:A:GLU:H	1:8:A:THR:HG21	11	0.53
(1,3024)	1:76:B:ASP:H	1:75:B:LEU:HB2	2	0.53
(1,3023)	1:76:A:ASP:H	1:75:A:LEU:HB2	2	0.53
(1,2824)	1:24:B:TYR:H	1:25:B:ALA:HB1	8	0.53
(1,2824)	1:24:B:TYR:H	1:25:B:ALA:HB1	10	0.53
(1,2824)	1:24:B:TYR:H	1:25:B:ALA:HB2	17	0.53
(1,2823)	1:24:A:TYR:H	1:25:A:ALA:HB1	10	0.53
(1,2823)	1:24:A:TYR:H	1:25:A:ALA:HB2	17	0.53
(1,2815)	1:11:A:GLU:H	1:8:A:THR:HG22	14	0.53
(1,2768)	1:80:B:PHE:H	1:75:B:LEU:HB2	15	0.53
(1,2767)	1:80:A:PHE:H	1:75:A:LEU:HB2	15	0.53
(1,2697)	1:27:A:LYS:H	1:25:A:ALA:HB3	11	0.53
(1,2673)	1:92:A:HIS:H	1:14:B:ILE:HG21	4	0.53
(1,2518)	1:41:B:SER:H	1:34:B:LEU:HD23	8	0.53
(1,2518)	1:41:B:SER:H	1:34:B:LEU:HD22	19	0.53
(1,2517)	1:41:A:SER:H	1:34:A:LEU:HD23	8	0.53
(1,2517)	1:41:A:SER:H	1:34:A:LEU:HD22	19	0.53
(1,2482)	1:78:B:SER:H	1:33:B:THR:HG23	4	0.53
(1,2481)	1:78:A:SER:H	1:33:A:THR:HG23	4	0.53
(1,2481)	1:78:A:SER:H	1:33:A:THR:HG23	18	0.53
(1,2110)	1:33:B:THR:HG23	1:76:B:ASP:HB3	4	0.53
(1,2109)	1:33:A:THR:HG23	1:76:A:ASP:HB3	4	0.53
(1,1876)	1:67:B:LEU:HD22	1:66:B:LYS:HE3	20	0.53
(1,1875)	1:67:A:LEU:HD21	1:66:A:LYS:HE3	15	0.53
(1,1875)	1:67:A:LEU:HD22	1:66:A:LYS:HE3	20	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1858)	1:57:B:PRO:HD3	1:57:B:PRO:HA	17	0.53
(1,1857)	1:57:A:PRO:HD3	1:57:A:PRO:HA	17	0.53
(1,1681)	1:50:A:PHE:HB2	1:47:A:LEU:HD23	11	0.53
(1,1528)	1:65:B:LYS:H	1:64:B:MET:HG2	13	0.53
(1,1527)	1:65:A:LYS:H	1:64:A:MET:HG2	13	0.53
(1,1426)	1:47:B:LEU:HD11	1:50:B:PHE:HB3	13	0.53
(1,1425)	1:47:A:LEU:HD13	1:50:A:PHE:HB3	20	0.53
(1,1329)	1:48:A:ALA:H	1:43:A:MET:HB3	13	0.53
(1,1296)	1:48:B:ALA:HB2	1:52:B:LYS:HE3	11	0.53
(1,1295)	1:48:A:ALA:HB2	1:52:A:LYS:HE3	11	0.53
(1,1237)	1:62:A:ARG:HB3	1:59:A:VAL:HA	17	0.53
(1,1094)	1:36:B:LYS:HB2	1:36:B:LYS:HE2	2	0.53
(1,1094)	1:36:B:LYS:HB2	1:36:B:LYS:HE2	10	0.53
(1,1094)	1:36:B:LYS:HB2	1:36:B:LYS:HE2	12	0.53
(1,1094)	1:36:B:LYS:HB2	1:36:B:LYS:HE2	16	0.53
(1,1094)	1:36:B:LYS:HB2	1:36:B:LYS:HE2	17	0.53
(1,1094)	1:36:B:LYS:HB2	1:36:B:LYS:HE2	19	0.53
(1,1094)	1:36:B:LYS:HB2	1:36:B:LYS:HE2	20	0.53
(1,1093)	1:36:A:LYS:HB2	1:36:A:LYS:HE2	1	0.53
(1,1093)	1:36:A:LYS:HB2	1:36:A:LYS:HE2	10	0.53
(1,1093)	1:36:A:LYS:HB2	1:36:A:LYS:HE2	16	0.53
(1,1093)	1:36:A:LYS:HB2	1:36:A:LYS:HE2	19	0.53
(1,1093)	1:36:A:LYS:HB2	1:36:A:LYS:HE2	20	0.53
(1,1024)	1:53:B:ASN:HA	1:52:B:LYS:HG2	3	0.53
(1,1023)	1:53:A:ASN:HA	1:52:A:LYS:HG2	3	0.53
(1,836)	1:59:B:VAL:HG21	1:62:B:ARG:H	17	0.53
(1,816)	1:9:B:GLU:HG2	1:10:B:THR:HG22	9	0.53
(1,623)	1:34:A:LEU:HB2	1:38:A:GLU:HB2	11	0.53
(1,520)	1:74:B:GLN:HG2	1:75:B:LEU:HA	4	0.53
(1,519)	1:74:A:GLN:HG3	1:75:A:LEU:HA	5	0.53
(1,482)	1:8:B:THR:HA	1:10:B:THR:HG21	2	0.53
(1,481)	1:8:A:THR:HA	1:10:A:THR:HG21	2	0.53
(1,481)	1:8:A:THR:HA	1:10:A:THR:HG23	5	0.53
(1,444)	1:15:B:GLU:HG3	1:91:A:CYS:HB2	13	0.53
(1,422)	1:18:B:ILE:HG21	1:95:A:PHE:H	10	0.53
(1,302)	1:22:B:GLN:HB2	1:25:B:ALA:HB2	13	0.53
(1,254)	1:57:B:PRO:HD3	1:59:B:VAL:HG13	3	0.53
(1,253)	1:57:A:PRO:HD3	1:59:A:VAL:HG13	3	0.53
(1,220)	1:75:B:LEU:HD11	1:68:B:ASP:HA	5	0.53
(1,219)	1:75:A:LEU:HD11	1:68:A:ASP:HA	5	0.53
(1,148)	1:18:B:ILE:HG23	1:92:A:HIS:H	1	0.53
(1,79)	1:12:A:ARG:HG3	1:17:B:LEU:HD22	13	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,77)	1:12:A:ARG:HG3	1:17:B:LEU:HD22	13	0.53
(1,40)	1:87:B:LEU:HD21	1:14:A:ILE:HD11	6	0.53
(1,40)	1:87:B:LEU:HD23	1:14:A:ILE:HD11	17	0.53
(2,124)	1:44:B:ASN:HB2	1:48:B:ALA:H	4	0.52
(2,123)	1:44:A:ASN:HB2	1:48:A:ALA:H	4	0.52
(2,16)	1:61:B:ASP:HB2	1:62:B:ARG:HD2	2	0.52
(2,15)	1:61:A:ASP:HB2	1:62:A:ARG:HD2	5	0.52
(1,5722)	1:67:B:LEU:H	1:67:B:LEU:HD22	19	0.52
(1,5708)	1:14:B:ILE:H	1:14:B:ILE:HD11	15	0.52
(1,5707)	1:14:A:ILE:H	1:14:A:ILE:HD11	15	0.52
(1,5703)	1:81:A:LEU:H	1:81:A:LEU:HD21	18	0.52
(1,5590)	1:19:B:ALA:H	1:14:B:ILE:HG21	13	0.52
(1,5589)	1:19:A:ALA:H	1:14:A:ILE:HG21	13	0.52
(1,5586)	1:46:B:GLU:H	1:45:B:THR:HG22	15	0.52
(1,5540)	1:10:B:THR:H	1:20:A:VAL:HG21	7	0.52
(1,5540)	1:10:B:THR:H	1:20:A:VAL:HG21	13	0.52
(1,5539)	1:10:A:THR:H	1:20:B:VAL:HG23	15	0.52
(1,5534)	1:82:B:ASN:H	1:80:B:PHE:HA	1	0.52
(1,5534)	1:82:B:ASN:H	1:80:B:PHE:HA	16	0.52
(1,5533)	1:82:A:ASN:H	1:80:A:PHE:HA	1	0.52
(1,5533)	1:82:A:ASN:H	1:80:A:PHE:HA	7	0.52
(1,5533)	1:82:A:ASN:H	1:80:A:PHE:HA	16	0.52
(1,5476)	1:50:B:PHE:H	1:47:B:LEU:HD23	10	0.52
(1,5475)	1:50:A:PHE:H	1:47:A:LEU:HD23	10	0.52
(1,5295)	1:76:A:ASP:H	1:33:A:THR:HB	4	0.52
(1,5242)	1:81:B:LEU:H	1:77:B:PHE:H	6	0.52
(1,5242)	1:81:B:LEU:H	1:77:B:PHE:H	18	0.52
(1,5241)	1:81:A:LEU:H	1:77:A:PHE:H	6	0.52
(1,5241)	1:81:A:LEU:H	1:77:A:PHE:H	18	0.52
(1,5184)	1:60:B:LEU:HD21	1:60:B:LEU:HD23	11	0.52
(1,5184)	1:60:B:LEU:HD22	1:60:B:LEU:HD21	14	0.52
(1,5184)	1:60:B:LEU:HD22	1:60:B:LEU:HD23	20	0.52
(1,5183)	1:83:A:LEU:HD22	1:83:A:LEU:HD23	7	0.52
(1,5183)	1:60:A:LEU:HD22	1:60:A:LEU:HD21	12	0.52
(1,5183)	1:60:A:LEU:HD22	1:60:A:LEU:HD23	13	0.52
(1,5183)	1:60:A:LEU:HD22	1:60:A:LEU:HD21	14	0.52
(1,5183)	1:60:A:LEU:HD21	1:60:A:LEU:HD23	15	0.52
(1,5183)	1:60:A:LEU:HD22	1:60:A:LEU:HD21	18	0.52
(1,4937)	1:10:A:THR:HG21	1:87:B:LEU:HD21	12	0.52
(1,4898)	1:88:B:ALA:HB1	1:17:A:LEU:HD11	8	0.52
(1,4832)	1:12:B:ARG:HD2	1:9:B:GLU:HA	4	0.52
(1,4831)	1:12:A:ARG:HD2	1:9:A:GLU:HA	4	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4789)	1:66:A:LYS:HB3	1:67:A:LEU:HD23	20	0.52
(1,4782)	1:8:B:THR:HB	1:7:B:PRO:HG2	20	0.52
(1,4781)	1:8:A:THR:HB	1:7:A:PRO:HG2	20	0.52
(1,4724)	1:17:B:LEU:HG	1:17:A:LEU:HG	4	0.52
(1,4724)	1:17:B:LEU:HG	1:17:A:LEU:HG	7	0.52
(1,4723)	1:17:A:LEU:HG	1:17:B:LEU:HG	4	0.52
(1,4723)	1:17:A:LEU:HG	1:17:B:LEU:HG	7	0.52
(1,4664)	1:7:B:PRO:HB2	1:7:B:PRO:HD3	8	0.52
(1,4664)	1:7:B:PRO:HB2	1:7:B:PRO:HD3	16	0.52
(1,4663)	1:7:A:PRO:HB2	1:7:A:PRO:HD3	8	0.52
(1,4663)	1:7:A:PRO:HB2	1:7:A:PRO:HD3	16	0.52
(1,4622)	1:89:B:MET:HA	1:88:B:ALA:HB2	4	0.52
(1,4622)	1:89:B:MET:HA	1:88:B:ALA:HB3	5	0.52
(1,4622)	1:89:B:MET:HA	1:88:B:ALA:HB2	13	0.52
(1,4621)	1:89:A:MET:HA	1:88:A:ALA:HB2	4	0.52
(1,4621)	1:89:A:MET:HA	1:88:A:ALA:HB3	5	0.52
(1,4621)	1:89:A:MET:HA	1:88:A:ALA:HB1	7	0.52
(1,4549)	1:90:A:ALA:HB3	1:91:A:CYS:HB2	1	0.52
(1,4548)	1:50:B:PHE:HB2	1:47:B:LEU:HD23	2	0.52
(1,4547)	1:50:A:PHE:HB2	1:47:A:LEU:HD23	2	0.52
(1,4515)	1:94:A:SER:HB2	1:95:A:PHE:HB2	3	0.52
(1,4515)	1:94:A:SER:HB2	1:95:A:PHE:HB2	19	0.52
(1,4504)	1:24:B:TYR:H	1:34:B:LEU:HD13	10	0.52
(1,4503)	1:24:A:TYR:H	1:34:A:LEU:HD13	10	0.52
(1,4470)	1:33:B:THR:HG22	1:79:B:GLU:H	15	0.52
(1,4469)	1:33:A:THR:HG22	1:79:A:GLU:H	15	0.52
(1,4398)	1:13:B:CYS:HB2	1:17:A:LEU:HD11	18	0.52
(1,4397)	1:13:A:CYS:HB2	1:17:B:LEU:HD13	4	0.52
(1,4397)	1:13:A:CYS:HB2	1:17:B:LEU:HD12	13	0.52
(1,4384)	1:11:B:GLU:HB3	1:14:B:ILE:HD13	8	0.52
(1,4383)	1:11:A:GLU:HB3	1:14:A:ILE:HD13	8	0.52
(1,4334)	1:68:B:ASP:HB2	1:67:B:LEU:HB2	1	0.52
(1,4333)	1:68:A:ASP:HB2	1:67:A:LEU:HB2	1	0.52
(1,4296)	1:87:B:LEU:HA	1:86:B:GLY:HA3	2	0.52
(1,4296)	1:87:B:LEU:HA	1:86:B:GLY:HA3	11	0.52
(1,4296)	1:87:B:LEU:HA	1:86:B:GLY:HA3	12	0.52
(1,4296)	1:87:B:LEU:HA	1:86:B:GLY:HA3	14	0.52
(1,4295)	1:87:A:LEU:HA	1:86:A:GLY:HA3	3	0.52
(1,4295)	1:87:A:LEU:HA	1:86:A:GLY:HA3	11	0.52
(1,4295)	1:87:A:LEU:HA	1:86:A:GLY:HA3	14	0.52
(1,4226)	1:65:B:LYS:HA	1:64:B:MET:HA	14	0.52
(1,4225)	1:65:A:LYS:HA	1:64:A:MET:HA	14	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4202)	1:11:B:GLU:HG2	1:8:B:THR:HG22	13	0.52
(1,4202)	1:11:B:GLU:HG2	1:8:B:THR:HG23	16	0.52
(1,4201)	1:11:A:GLU:HG2	1:8:A:THR:HG23	16	0.52
(1,4200)	1:42:B:PHE:HA	1:39:B:PHE:HA	9	0.52
(1,4199)	1:42:A:PHE:HA	1:39:A:PHE:HA	9	0.52
(1,4188)	1:11:B:GLU:HA	1:13:B:CYS:HA	5	0.52
(1,4187)	1:11:A:GLU:HA	1:13:A:CYS:HA	5	0.52
(1,4150)	1:13:B:CYS:HB2	1:17:A:LEU:HG	14	0.52
(1,4149)	1:13:A:CYS:HB2	1:17:B:LEU:HG	14	0.52
(1,4114)	1:18:B:ILE:H	1:17:B:LEU:HD11	15	0.52
(1,4113)	1:18:A:ILE:H	1:17:A:LEU:HD11	15	0.52
(1,4090)	1:60:B:LEU:HB3	1:64:B:MET:H	10	0.52
(1,4029)	1:73:A:GLY:HA3	1:36:A:LYS:HD2	8	0.52
(1,4014)	1:98:B:ALA:H	1:97:B:LYS:HD2	1	0.52
(1,3984)	1:60:B:LEU:HD12	1:52:B:LYS:H	10	0.52
(1,3983)	1:60:A:LEU:HD12	1:52:A:LYS:H	8	0.52
(1,3983)	1:60:A:LEU:HD12	1:52:A:LYS:H	10	0.52
(1,3940)	1:75:B:LEU:HD12	1:67:B:LEU:H	18	0.52
(1,3939)	1:75:A:LEU:HD12	1:67:A:LEU:H	18	0.52
(1,3936)	1:82:B:ASN:HB3	1:66:B:LYS:HD2	17	0.52
(1,3935)	1:82:A:ASN:HB3	1:66:A:LYS:HD2	17	0.52
(1,3914)	1:35:B:SER:HA	1:34:B:LEU:HG	13	0.52
(1,3913)	1:35:A:SER:HA	1:34:A:LEU:HG	13	0.52
(1,3903)	1:57:A:PRO:HA	1:59:A:VAL:HA	16	0.52
(1,3876)	1:33:B:THR:HG22	1:79:B:GLU:H	15	0.52
(1,3875)	1:33:A:THR:HG22	1:79:A:GLU:H	15	0.52
(1,3786)	1:63:B:MET:HG3	1:61:B:ASP:H	10	0.52
(1,3785)	1:63:A:MET:HG3	1:61:A:ASP:H	10	0.52
(1,3780)	1:48:B:ALA:HA	1:50:B:PHE:HB3	1	0.52
(1,3780)	1:48:B:ALA:HA	1:50:B:PHE:HB3	13	0.52
(1,3779)	1:48:A:ALA:HA	1:50:A:PHE:HB3	1	0.52
(1,3779)	1:48:A:ALA:HA	1:50:A:PHE:HB3	13	0.52
(1,3772)	1:96:B:LEU:HD23	1:93:B:ASP:HB2	15	0.52
(1,3771)	1:96:A:LEU:HD23	1:93:A:ASP:HB2	15	0.52
(1,3756)	1:39:B:PHE:HB2	1:43:B:MET:HB2	13	0.52
(1,3755)	1:39:A:PHE:HB2	1:43:A:MET:HB2	13	0.52
(1,3738)	1:67:B:LEU:HG	1:83:B:LEU:H	7	0.52
(1,3738)	1:67:B:LEU:HG	1:83:B:LEU:H	18	0.52
(1,3737)	1:67:A:LEU:HG	1:83:A:LEU:H	7	0.52
(1,3736)	1:37:B:THR:HB	1:35:B:SER:HA	3	0.52
(1,3735)	1:37:A:THR:HB	1:35:A:SER:HA	3	0.52
(1,3651)	1:47:A:LEU:HD21	1:10:B:THR:H	11	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3631)	1:97:A:LYS:HG3	1:93:A:ASP:HB3	10	0.52
(1,3626)	1:34:B:LEU:HA	1:24:B:TYR:HB2	3	0.52
(1,3588)	1:76:B:ASP:HB2	1:77:B:PHE:HB3	9	0.52
(1,3587)	1:76:A:ASP:HB2	1:77:A:PHE:HB3	9	0.52
(1,3518)	1:51:B:THR:HB	1:44:B:ASN:HB2	1	0.52
(1,3517)	1:51:A:THR:HB	1:44:A:ASN:HB2	1	0.52
(1,3506)	1:69:B:THR:HB	1:82:B:ASN:HB2	1	0.52
(1,3505)	1:69:A:THR:HB	1:82:A:ASN:HB2	1	0.52
(1,3505)	1:69:A:THR:HB	1:82:A:ASN:HB2	18	0.52
(1,3468)	1:75:B:LEU:HB3	1:33:B:THR:HA	7	0.52
(1,3405)	1:15:A:GLU:HB3	1:102:B:GLN:HG2	17	0.52
(1,3371)	1:10:A:THR:HG21	1:87:B:LEU:HD21	12	0.52
(1,3358)	1:88:B:ALA:HB2	1:14:A:ILE:HB	2	0.52
(1,3349)	1:14:A:ILE:HD12	1:88:B:ALA:HB1	8	0.52
(1,3349)	1:14:A:ILE:HD13	1:88:B:ALA:HB2	20	0.52
(1,3024)	1:76:B:ASP:H	1:75:B:LEU:HB2	3	0.52
(1,3024)	1:76:B:ASP:H	1:75:B:LEU:HB2	14	0.52
(1,3023)	1:76:A:ASP:H	1:75:A:LEU:HB2	3	0.52
(1,3023)	1:76:A:ASP:H	1:75:A:LEU:HB2	14	0.52
(1,2823)	1:24:A:TYR:H	1:25:A:ALA:HB1	19	0.52
(1,2816)	1:11:B:GLU:H	1:8:B:THR:HG21	4	0.52
(1,2816)	1:11:B:GLU:H	1:8:B:THR:HG22	14	0.52
(1,2815)	1:11:A:GLU:H	1:8:A:THR:HG21	4	0.52
(1,2776)	1:50:B:PHE:H	1:47:B:LEU:HB2	10	0.52
(1,2698)	1:27:B:LYS:H	1:25:B:ALA:HB3	11	0.52
(1,2698)	1:27:B:LYS:H	1:25:B:ALA:HB1	14	0.52
(1,2698)	1:27:B:LYS:H	1:25:B:ALA:HB1	15	0.52
(1,2698)	1:27:B:LYS:H	1:25:B:ALA:HB1	20	0.52
(1,2697)	1:27:A:LYS:H	1:25:A:ALA:HB1	14	0.52
(1,2697)	1:27:A:LYS:H	1:25:A:ALA:HB1	20	0.52
(1,2674)	1:92:B:HIS:H	1:14:A:ILE:HG21	4	0.52
(1,2482)	1:78:B:SER:H	1:33:B:THR:HG21	9	0.52
(1,2482)	1:78:B:SER:H	1:33:B:THR:HG23	14	0.52
(1,2482)	1:78:B:SER:H	1:33:B:THR:HG23	18	0.52
(1,2481)	1:78:A:SER:H	1:33:A:THR:HG21	9	0.52
(1,2481)	1:78:A:SER:H	1:33:A:THR:HG23	14	0.52
(1,1940)	1:96:B:LEU:HB2	1:96:B:LEU:HD13	5	0.52
(1,1939)	1:96:A:LEU:HB2	1:96:A:LEU:HD13	5	0.52
(1,1928)	1:96:B:LEU:HB2	1:96:B:LEU:HD13	5	0.52
(1,1876)	1:67:B:LEU:HD23	1:66:B:LYS:HE3	17	0.52
(1,1875)	1:67:A:LEU:HD23	1:66:A:LYS:HE3	17	0.52
(1,1870)	1:20:B:VAL:HG12	1:21:B:PHE:H	1	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1869)	1:20:A:VAL:HG12	1:21:A:PHE:H	1	0.52
(1,1682)	1:50:B:PHE:HB2	1:47:B:LEU:HD23	11	0.52
(1,1682)	1:50:B:PHE:HB2	1:47:B:LEU:HD22	18	0.52
(1,1681)	1:50:A:PHE:HB2	1:47:A:LEU:HD22	18	0.52
(1,1606)	1:74:B:GLN:HG3	1:33:B:THR:HG22	18	0.52
(1,1605)	1:74:A:GLN:HG3	1:33:A:THR:HG22	18	0.52
(1,1530)	1:9:B:GLU:H	1:8:B:THR:HG23	14	0.52
(1,1529)	1:9:A:GLU:H	1:8:A:THR:HG23	14	0.52
(1,1425)	1:47:A:LEU:HD11	1:50:A:PHE:HB3	13	0.52
(1,1330)	1:48:B:ALA:H	1:43:B:MET:HB3	13	0.52
(1,1328)	1:34:B:LEU:HB2	1:39:B:PHE:HB3	19	0.52
(1,1327)	1:34:A:LEU:HB2	1:39:A:PHE:HB3	19	0.52
(1,1094)	1:36:B:LYS:HB2	1:36:B:LYS:HE2	4	0.52
(1,1094)	1:36:B:LYS:HB2	1:36:B:LYS:HE2	5	0.52
(1,1094)	1:36:B:LYS:HB2	1:36:B:LYS:HE2	11	0.52
(1,1094)	1:36:B:LYS:HB2	1:36:B:LYS:HE2	15	0.52
(1,1093)	1:36:A:LYS:HB2	1:36:A:LYS:HE2	4	0.52
(1,1093)	1:36:A:LYS:HB2	1:36:A:LYS:HE2	5	0.52
(1,1093)	1:36:A:LYS:HB2	1:36:A:LYS:HE2	11	0.52
(1,1093)	1:36:A:LYS:HB2	1:36:A:LYS:HE2	15	0.52
(1,1024)	1:53:B:ASN:HA	1:52:B:LYS:HG2	10	0.52
(1,1023)	1:53:A:ASN:HA	1:52:A:LYS:HG2	10	0.52
(1,1016)	1:9:B:GLU:HG2	1:13:B:CYS:HB3	12	0.52
(1,1015)	1:9:A:GLU:HG2	1:13:A:CYS:HB3	12	0.52
(1,520)	1:74:B:GLN:HG3	1:75:B:LEU:HA	5	0.52
(1,519)	1:74:A:GLN:HG2	1:75:A:LEU:HA	4	0.52
(1,482)	1:8:B:THR:HA	1:10:B:THR:HG23	5	0.52
(1,421)	1:18:A:ILE:HG21	1:95:B:PHE:H	10	0.52
(1,412)	1:62:B:ARG:HD2	1:59:B:VAL:HG12	14	0.52
(1,411)	1:62:A:ARG:HD2	1:59:A:VAL:HG12	14	0.52
(1,320)	1:74:B:GLN:HB3	1:76:B:ASP:HB3	5	0.52
(1,319)	1:74:A:GLN:HB3	1:76:A:ASP:HB3	5	0.52
(1,301)	1:22:A:GLN:HB2	1:25:A:ALA:HB2	13	0.52
(1,220)	1:75:B:LEU:HD12	1:68:B:ASP:HA	18	0.52
(1,219)	1:75:A:LEU:HD12	1:68:A:ASP:HA	18	0.52
(1,210)	1:76:B:ASP:HA	1:34:B:LEU:HB3	3	0.52
(1,209)	1:76:A:ASP:HA	1:34:A:LEU:HB3	3	0.52
(1,190)	1:46:B:GLU:HG3	1:24:B:TYR:H	12	0.52
(1,189)	1:46:A:GLU:HG3	1:24:A:TYR:H	12	0.52
(1,147)	1:18:A:ILE:HG23	1:92:B:HIS:H	1	0.52
(1,40)	1:87:B:LEU:HD22	1:14:A:ILE:HD13	20	0.52
(1,39)	1:87:A:LEU:HD22	1:14:B:ILE:HD13	20	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,16)	1:61:B:ASP:HB2	1:62:B:ARG:HD2	5	0.51
(2,15)	1:61:A:ASP:HB2	1:62:A:ARG:HD2	2	0.51
(1,5722)	1:67:B:LEU:H	1:67:B:LEU:HD23	11	0.51
(1,5722)	1:67:B:LEU:H	1:67:B:LEU:HD21	17	0.51
(1,5721)	1:67:A:LEU:H	1:67:A:LEU:HD23	11	0.51
(1,5721)	1:67:A:LEU:H	1:67:A:LEU:HD21	17	0.51
(1,5721)	1:67:A:LEU:H	1:67:A:LEU:HD22	19	0.51
(1,5708)	1:14:B:ILE:H	1:14:B:ILE:HD13	13	0.51
(1,5707)	1:14:A:ILE:H	1:14:A:ILE:HD13	13	0.51
(1,5704)	1:81:B:LEU:H	1:81:B:LEU:HD21	18	0.51
(1,5622)	1:47:B:LEU:H	1:48:B:ALA:HB2	1	0.51
(1,5622)	1:47:B:LEU:H	1:48:B:ALA:HB2	3	0.51
(1,5622)	1:47:B:LEU:H	1:48:B:ALA:HB3	8	0.51
(1,5621)	1:47:A:LEU:H	1:48:A:ALA:HB2	1	0.51
(1,5621)	1:47:A:LEU:H	1:48:A:ALA:HB2	3	0.51
(1,5621)	1:47:A:LEU:H	1:48:A:ALA:HB3	8	0.51
(1,5539)	1:10:A:THR:H	1:20:B:VAL:HG21	13	0.51
(1,5539)	1:10:A:THR:H	1:20:B:VAL:HG23	18	0.51
(1,5534)	1:82:B:ASN:H	1:80:B:PHE:HA	4	0.51
(1,5534)	1:82:B:ASN:H	1:80:B:PHE:HA	18	0.51
(1,5533)	1:82:A:ASN:H	1:80:A:PHE:HA	4	0.51
(1,5530)	1:39:B:PHE:H	1:40:B:LEU:HD22	12	0.51
(1,5529)	1:39:A:PHE:H	1:40:A:LEU:HD22	12	0.51
(1,5464)	1:45:B:THR:H	1:46:B:GLU:HB2	17	0.51
(1,5440)	1:93:B:ASP:H	1:96:B:LEU:HB2	8	0.51
(1,5439)	1:93:A:ASP:H	1:96:A:LEU:HB2	8	0.51
(1,5400)	1:90:B:ALA:H	1:89:B:MET:HG2	4	0.51
(1,5399)	1:90:A:ALA:H	1:89:A:MET:HG2	4	0.51
(1,5386)	1:40:B:LEU:H	1:34:B:LEU:HD12	11	0.51
(1,5385)	1:40:A:LEU:H	1:34:A:LEU:HD12	11	0.51
(1,5296)	1:76:B:ASP:H	1:33:B:THR:HB	4	0.51
(1,5276)	1:94:B:SER:H	1:96:B:LEU:HD21	4	0.51
(1,5275)	1:94:A:SER:H	1:96:A:LEU:HD21	4	0.51
(1,5266)	1:8:B:THR:H	1:47:A:LEU:HD22	20	0.51
(1,5241)	1:81:A:LEU:H	1:77:A:PHE:H	14	0.51
(1,5184)	1:60:B:LEU:HD22	1:60:B:LEU:HD23	1	0.51
(1,5184)	1:60:B:LEU:HD21	1:60:B:LEU:HD23	2	0.51
(1,5184)	1:60:B:LEU:HD22	1:60:B:LEU:HD23	3	0.51
(1,5184)	1:60:B:LEU:HD22	1:60:B:LEU:HD21	4	0.51
(1,5184)	1:60:B:LEU:HD22	1:60:B:LEU:HD21	5	0.51
(1,5184)	1:60:B:LEU:HD22	1:60:B:LEU:HD23	6	0.51
(1,5184)	1:83:B:LEU:HD22	1:83:B:LEU:HD23	7	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5184)	1:60:B:LEU:HD21	1:60:B:LEU:HD23	8	0.51
(1,5184)	1:83:B:LEU:HD21	1:83:B:LEU:HD23	9	0.51
(1,5184)	1:60:B:LEU:HD22	1:60:B:LEU:HD21	10	0.51
(1,5184)	1:60:B:LEU:HD22	1:60:B:LEU:HD21	12	0.51
(1,5184)	1:60:B:LEU:HD21	1:60:B:LEU:HD23	13	0.51
(1,5184)	1:60:B:LEU:HD22	1:60:B:LEU:HD23	15	0.51
(1,5184)	1:60:B:LEU:HD21	1:60:B:LEU:HD23	16	0.51
(1,5184)	1:60:B:LEU:HD22	1:60:B:LEU:HD23	17	0.51
(1,5184)	1:60:B:LEU:HD21	1:60:B:LEU:HD23	18	0.51
(1,5184)	1:60:B:LEU:HD21	1:60:B:LEU:HD23	19	0.51
(1,5183)	1:60:A:LEU:HD22	1:60:A:LEU:HD23	1	0.51
(1,5183)	1:60:A:LEU:HD21	1:60:A:LEU:HD23	2	0.51
(1,5183)	1:60:A:LEU:HD22	1:60:A:LEU:HD23	3	0.51
(1,5183)	1:60:A:LEU:HD22	1:60:A:LEU:HD21	4	0.51
(1,5183)	1:60:A:LEU:HD22	1:60:A:LEU:HD21	5	0.51
(1,5183)	1:60:A:LEU:HD22	1:60:A:LEU:HD23	6	0.51
(1,5183)	1:60:A:LEU:HD22	1:60:A:LEU:HD23	8	0.51
(1,5183)	1:83:A:LEU:HD21	1:83:A:LEU:HD23	9	0.51
(1,5183)	1:60:A:LEU:HD22	1:60:A:LEU:HD21	10	0.51
(1,5183)	1:60:A:LEU:HD21	1:60:A:LEU:HD23	11	0.51
(1,5183)	1:60:A:LEU:HD21	1:60:A:LEU:HD23	16	0.51
(1,5183)	1:60:A:LEU:HD22	1:60:A:LEU:HD23	17	0.51
(1,5183)	1:60:A:LEU:HD21	1:60:A:LEU:HD23	19	0.51
(1,5183)	1:60:A:LEU:HD22	1:60:A:LEU:HD21	20	0.51
(1,5150)	1:36:B:LYS:HD2	1:36:B:LYS:HE3	5	0.51
(1,5149)	1:36:A:LYS:HD2	1:36:A:LYS:HE3	5	0.51
(1,4974)	1:37:B:THR:HA	1:40:B:LEU:HD21	11	0.51
(1,4973)	1:37:A:THR:HA	1:40:A:LEU:HD21	11	0.51
(1,4882)	1:37:B:THR:HG23	1:40:B:LEU:HB2	18	0.51
(1,4881)	1:37:A:THR:HG23	1:40:A:LEU:HB2	18	0.51
(1,4676)	1:89:B:MET:HG3	1:78:A:SER:HB3	16	0.51
(1,4676)	1:63:B:MET:HG3	1:63:B:MET:HA	19	0.51
(1,4675)	1:89:A:MET:HG3	1:78:B:SER:HB3	16	0.51
(1,4675)	1:63:A:MET:HG3	1:63:A:MET:HA	19	0.51
(1,4669)	1:87:A:LEU:HG	1:47:A:LEU:HD13	10	0.51
(1,4669)	1:87:A:LEU:HG	1:47:A:LEU:HD13	11	0.51
(1,4664)	1:100:B:PRO:HD2	1:100:B:PRO:HB2	9	0.51
(1,4664)	1:100:B:PRO:HD2	1:100:B:PRO:HB2	15	0.51
(1,4663)	1:100:A:PRO:HD2	1:100:A:PRO:HB2	9	0.51
(1,4663)	1:100:A:PRO:HD2	1:100:A:PRO:HB2	15	0.51
(1,4622)	1:89:B:MET:HA	1:88:B:ALA:HB1	7	0.51
(1,4622)	1:89:B:MET:HA	1:88:B:ALA:HB2	12	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4504)	1:24:B:TYR:H	1:34:B:LEU:HD11	15	0.51
(1,4503)	1:24:A:TYR:H	1:34:A:LEU:HD11	15	0.51
(1,4398)	1:13:B:CYS:HB2	1:17:A:LEU:HD13	4	0.51
(1,4398)	1:13:B:CYS:HB2	1:17:A:LEU:HD12	7	0.51
(1,4384)	1:11:B:GLU:HB2	1:47:A:LEU:HD22	9	0.51
(1,4384)	1:11:B:GLU:HB3	1:14:B:ILE:HD13	14	0.51
(1,4384)	1:11:B:GLU:HB2	1:47:A:LEU:HD22	20	0.51
(1,4358)	1:48:B:ALA:HA	1:52:B:LYS:HD3	17	0.51
(1,4357)	1:48:A:ALA:HA	1:52:A:LYS:HD3	17	0.51
(1,4333)	1:68:A:ASP:HB2	1:67:A:LEU:HB2	4	0.51
(1,4296)	1:87:B:LEU:HA	1:86:B:GLY:HA3	3	0.51
(1,4296)	1:87:B:LEU:HA	1:86:B:GLY:HA3	5	0.51
(1,4296)	1:87:B:LEU:HA	1:86:B:GLY:HA3	9	0.51
(1,4296)	1:87:B:LEU:HA	1:86:B:GLY:HA3	15	0.51
(1,4296)	1:87:B:LEU:HA	1:86:B:GLY:HA3	16	0.51
(1,4296)	1:87:B:LEU:HA	1:86:B:GLY:HA3	18	0.51
(1,4295)	1:87:A:LEU:HA	1:86:A:GLY:HA3	12	0.51
(1,4295)	1:87:A:LEU:HA	1:86:A:GLY:HA3	15	0.51
(1,4295)	1:87:A:LEU:HA	1:86:A:GLY:HA3	16	0.51
(1,4295)	1:87:A:LEU:HA	1:86:A:GLY:HA3	18	0.51
(1,4295)	1:87:A:LEU:HA	1:86:A:GLY:HA3	19	0.51
(1,4198)	1:60:B:LEU:HD11	1:44:B:ASN:HB2	2	0.51
(1,4197)	1:60:A:LEU:HD11	1:44:A:ASN:HB2	2	0.51
(1,4197)	1:60:A:LEU:HD11	1:44:A:ASN:HB2	18	0.51
(1,4195)	1:52:A:LYS:HD3	1:44:A:ASN:HB3	18	0.51
(1,4186)	1:57:B:PRO:HG2	1:61:B:ASP:HB3	17	0.51
(1,4185)	1:57:A:PRO:HG2	1:61:A:ASP:HB3	17	0.51
(1,4180)	1:65:B:LYS:HE2	1:68:B:ASP:HB3	20	0.51
(1,4154)	1:82:B:ASN:HA	1:81:B:LEU:HB2	17	0.51
(1,4153)	1:82:A:ASN:HA	1:81:A:LEU:HB2	17	0.51
(1,4149)	1:13:A:CYS:HB2	1:17:B:LEU:HG	15	0.51
(1,4114)	1:18:B:ILE:H	1:17:B:LEU:HD12	16	0.51
(1,4113)	1:18:A:ILE:H	1:17:A:LEU:HD12	3	0.51
(1,4113)	1:18:A:ILE:H	1:17:A:LEU:HD12	16	0.51
(1,4113)	1:18:A:ILE:H	1:17:A:LEU:HD13	18	0.51
(1,4090)	1:60:B:LEU:HB3	1:64:B:MET:H	1	0.51
(1,4089)	1:60:A:LEU:HB3	1:64:A:MET:H	1	0.51
(1,4074)	1:15:B:GLU:HA	1:18:B:ILE:HA	1	0.51
(1,4074)	1:15:B:GLU:HA	1:18:B:ILE:HA	18	0.51
(1,4073)	1:15:A:GLU:HA	1:18:A:ILE:HA	1	0.51
(1,4073)	1:15:A:GLU:HA	1:18:A:ILE:HA	8	0.51
(1,4073)	1:15:A:GLU:HA	1:18:A:ILE:HA	18	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4064)	1:23:B:LYS:HD3	1:24:B:TYR:H	6	0.51
(1,4063)	1:23:A:LYS:HD3	1:24:A:TYR:H	6	0.51
(1,4051)	1:58:A:GLY:HA3	1:57:A:PRO:HG2	10	0.51
(1,4030)	1:73:B:GLY:HA3	1:36:B:LYS:HD2	8	0.51
(1,4013)	1:98:A:ALA:H	1:97:A:LYS:HD2	1	0.51
(1,3984)	1:60:B:LEU:HD12	1:52:B:LYS:H	8	0.51
(1,3984)	1:60:B:LEU:HD13	1:52:B:LYS:H	11	0.51
(1,3983)	1:60:A:LEU:HD13	1:52:A:LYS:H	11	0.51
(1,3958)	1:17:B:LEU:HG	1:16:B:SER:HB3	15	0.51
(1,3838)	1:33:B:THR:HA	1:34:B:LEU:HG	13	0.51
(1,3837)	1:33:A:THR:HA	1:34:A:LEU:HG	13	0.51
(1,3785)	1:89:A:MET:HG3	1:87:A:LEU:H	9	0.51
(1,3758)	1:40:B:LEU:HA	1:36:B:LYS:HE2	18	0.51
(1,3757)	1:40:A:LEU:HA	1:36:A:LYS:HE2	18	0.51
(1,3738)	1:67:B:LEU:HG	1:83:B:LEU:H	2	0.51
(1,3738)	1:67:B:LEU:HG	1:83:B:LEU:H	8	0.51
(1,3737)	1:67:A:LEU:HG	1:83:A:LEU:H	2	0.51
(1,3737)	1:67:A:LEU:HG	1:83:A:LEU:H	8	0.51
(1,3737)	1:67:A:LEU:HG	1:83:A:LEU:H	18	0.51
(1,3669)	1:69:A:THR:HA	1:70:A:ASN:HB2	15	0.51
(1,3656)	1:48:B:ALA:HB1	1:11:A:GLU:HG3	5	0.51
(1,3652)	1:47:B:LEU:HD21	1:10:A:THR:H	2	0.51
(1,3632)	1:97:B:LYS:HG3	1:93:B:ASP:HB3	10	0.51
(1,3510)	1:7:B:PRO:HB2	1:12:B:ARG:HD2	19	0.51
(1,3474)	1:17:B:LEU:HG	1:21:B:PHE:H	16	0.51
(1,3474)	1:17:B:LEU:HG	1:21:B:PHE:H	19	0.51
(1,3474)	1:17:B:LEU:HG	1:21:B:PHE:H	20	0.51
(1,3473)	1:17:A:LEU:HG	1:21:A:PHE:H	16	0.51
(1,3473)	1:17:A:LEU:HG	1:21:A:PHE:H	19	0.51
(1,3412)	1:22:B:GLN:HG2	1:100:A:PRO:HB2	20	0.51
(1,3411)	1:22:A:GLN:HG2	1:100:B:PRO:HB2	20	0.51
(1,3392)	1:17:B:LEU:HD11	1:13:A:CYS:HA	5	0.51
(1,3391)	1:17:A:LEU:HD11	1:13:B:CYS:HA	5	0.51
(1,3361)	1:19:A:ALA:HB2	1:9:B:GLU:HA	17	0.51
(1,3359)	1:19:A:ALA:HB2	1:9:B:GLU:HA	17	0.51
(1,3357)	1:88:A:ALA:HB2	1:14:B:ILE:HB	2	0.51
(1,3353)	1:84:A:ILE:HG23	1:17:B:LEU:HD13	3	0.51
(1,3350)	1:14:B:ILE:HD12	1:88:A:ALA:HB1	8	0.51
(1,3266)	1:27:B:LYS:H	1:27:B:LYS:HB3	1	0.51
(1,3265)	1:27:A:LYS:H	1:27:A:LYS:HB3	1	0.51
(1,2824)	1:24:B:TYR:H	1:25:B:ALA:HB1	14	0.51
(1,2824)	1:24:B:TYR:H	1:25:B:ALA:HB1	19	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2823)	1:24:A:TYR:H	1:25:A:ALA:HB1	14	0.51
(1,2775)	1:50:A:PHE:H	1:47:A:LEU:HB2	10	0.51
(1,2723)	1:78:A:SER:H	1:81:A:LEU:HD11	15	0.51
(1,2697)	1:27:A:LYS:H	1:25:A:ALA:HB1	15	0.51
(1,2674)	1:92:B:HIS:H	1:14:A:ILE:HG23	18	0.51
(1,2673)	1:92:A:HIS:H	1:14:B:ILE:HG23	18	0.51
(1,2636)	1:43:B:MET:H	1:34:B:LEU:HD21	17	0.51
(1,2635)	1:43:A:MET:H	1:34:A:LEU:HD21	17	0.51
(1,2506)	1:37:B:THR:H	1:34:B:LEU:HD21	9	0.51
(1,2505)	1:37:A:THR:H	1:34:A:LEU:HD21	9	0.51
(1,1944)	1:42:B:PHE:HA	1:27:B:LYS:HE3	12	0.51
(1,1943)	1:42:A:PHE:HA	1:27:A:LYS:HE3	12	0.51
(1,1940)	1:96:B:LEU:HB2	1:96:B:LEU:HD11	16	0.51
(1,1940)	1:96:B:LEU:HB2	1:96:B:LEU:HD13	17	0.51
(1,1939)	1:96:A:LEU:HB2	1:96:A:LEU:HD11	16	0.51
(1,1939)	1:96:A:LEU:HB2	1:96:A:LEU:HD13	17	0.51
(1,1927)	1:96:A:LEU:HB2	1:96:A:LEU:HD13	5	0.51
(1,1876)	1:67:B:LEU:HD21	1:66:B:LYS:HE3	15	0.51
(1,1870)	1:20:B:VAL:HG13	1:21:B:PHE:H	13	0.51
(1,1869)	1:20:A:VAL:HG13	1:21:A:PHE:H	13	0.51
(1,1739)	1:23:A:LYS:HE2	1:8:B:THR:HB	9	0.51
(1,1682)	1:50:B:PHE:HB3	1:47:B:LEU:HD23	20	0.51
(1,1681)	1:50:A:PHE:HB3	1:47:A:LEU:HD21	14	0.51
(1,1681)	1:50:A:PHE:HB3	1:47:A:LEU:HD23	20	0.51
(1,1530)	1:9:B:GLU:H	1:8:B:THR:HG23	3	0.51
(1,1530)	1:9:B:GLU:H	1:8:B:THR:HG21	7	0.51
(1,1530)	1:9:B:GLU:H	1:8:B:THR:HG23	8	0.51
(1,1530)	1:9:B:GLU:H	1:8:B:THR:HG22	20	0.51
(1,1529)	1:9:A:GLU:H	1:8:A:THR:HG23	3	0.51
(1,1529)	1:9:A:GLU:H	1:8:A:THR:HG23	8	0.51
(1,1529)	1:9:A:GLU:H	1:8:A:THR:HG22	20	0.51
(1,1210)	1:52:B:LYS:HE3	1:51:B:THR:HG23	6	0.51
(1,1209)	1:52:A:LYS:HE3	1:51:A:THR:HG23	6	0.51
(1,1094)	1:36:B:LYS:HB2	1:36:B:LYS:HE2	3	0.51
(1,1093)	1:36:A:LYS:HB2	1:36:A:LYS:HE2	3	0.51
(1,1024)	1:53:B:ASN:HA	1:52:B:LYS:HG3	15	0.51
(1,1023)	1:53:A:ASN:HA	1:52:A:LYS:HG3	15	0.51
(1,950)	1:94:B:SER:HB2	1:91:B:CYS:HB2	7	0.51
(1,949)	1:94:A:SER:HB2	1:91:A:CYS:HB2	7	0.51
(1,856)	1:9:B:GLU:HG3	1:17:A:LEU:HD23	14	0.51
(1,855)	1:9:A:GLU:HG3	1:17:B:LEU:HD23	14	0.51
(1,816)	1:9:B:GLU:HG2	1:10:B:THR:HG22	7	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,815)	1:9:A:GLU:HG2	1:10:A:THR:HG22	7	0.51
(1,566)	1:25:B:ALA:HB3	1:33:B:THR:HG21	4	0.51
(1,565)	1:25:A:ALA:HB3	1:33:A:THR:HG21	4	0.51
(1,520)	1:74:B:GLN:HG3	1:75:B:LEU:HA	10	0.51
(1,520)	1:74:B:GLN:HG2	1:75:B:LEU:HA	19	0.51
(1,519)	1:74:A:GLN:HG3	1:75:A:LEU:HA	10	0.51
(1,519)	1:74:A:GLN:HG2	1:75:A:LEU:HA	19	0.51
(1,443)	1:15:A:GLU:HG3	1:91:B:CYS:HB2	13	0.51
(1,363)	1:47:A:LEU:HD22	1:10:B:THR:H	10	0.51
(1,304)	1:22:B:GLN:HB2	1:18:B:ILE:H	19	0.51
(1,303)	1:22:A:GLN:HB2	1:18:A:ILE:H	19	0.51
(1,220)	1:75:B:LEU:HD11	1:68:B:ASP:HA	20	0.51
(1,219)	1:75:A:LEU:HD11	1:68:A:ASP:HA	20	0.51
(1,210)	1:76:B:ASP:HA	1:34:B:LEU:HB3	14	0.51
(1,209)	1:76:A:ASP:HA	1:34:A:LEU:HB3	14	0.51
(1,190)	1:46:B:GLU:HG3	1:24:B:TYR:H	11	0.51
(1,189)	1:46:A:GLU:HG3	1:24:A:TYR:H	11	0.51
(1,188)	1:42:B:PHE:HA	1:34:B:LEU:HD23	12	0.51
(1,187)	1:42:A:PHE:HA	1:34:A:LEU:HD23	12	0.51
(1,145)	1:78:A:SER:HB2	1:81:A:LEU:HB3	11	0.51
(1,39)	1:87:A:LEU:HD21	1:14:B:ILE:HD11	6	0.51
(1,39)	1:87:A:LEU:HD23	1:14:B:ILE:HD11	17	0.51
(2,124)	1:44:B:ASN:HB2	1:48:B:ALA:H	9	0.5
(2,123)	1:44:A:ASN:HB2	1:48:A:ALA:H	9	0.5
(1,5722)	1:67:B:LEU:H	1:67:B:LEU:HD22	1	0.5
(1,5721)	1:67:A:LEU:H	1:67:A:LEU:HD22	1	0.5
(1,5704)	1:81:B:LEU:H	1:81:B:LEU:HD21	1	0.5
(1,5703)	1:81:A:LEU:H	1:81:A:LEU:HD21	1	0.5
(1,5622)	1:47:B:LEU:H	1:48:B:ALA:HB3	14	0.5
(1,5622)	1:47:B:LEU:H	1:48:B:ALA:HB3	19	0.5
(1,5540)	1:10:B:THR:H	1:20:A:VAL:HG23	15	0.5
(1,5540)	1:10:B:THR:H	1:20:A:VAL:HG23	18	0.5
(1,5534)	1:82:B:ASN:H	1:80:B:PHE:HA	13	0.5
(1,5533)	1:82:A:ASN:H	1:80:A:PHE:HA	13	0.5
(1,5533)	1:82:A:ASN:H	1:80:A:PHE:HA	18	0.5
(1,5530)	1:39:B:PHE:H	1:40:B:LEU:HD21	7	0.5
(1,5530)	1:39:B:PHE:H	1:40:B:LEU:HD22	14	0.5
(1,5529)	1:39:A:PHE:H	1:40:A:LEU:HD21	7	0.5
(1,5529)	1:39:A:PHE:H	1:40:A:LEU:HD22	14	0.5
(1,5478)	1:37:B:THR:H	1:40:B:LEU:HD13	5	0.5
(1,5477)	1:37:A:THR:H	1:40:A:LEU:HD13	5	0.5
(1,5476)	1:50:B:PHE:H	1:47:B:LEU:HD23	2	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5476)	1:50:B:PHE:H	1:47:B:LEU:HD23	19	0.5
(1,5475)	1:50:A:PHE:H	1:47:A:LEU:HD23	2	0.5
(1,5475)	1:50:A:PHE:H	1:47:A:LEU:HD23	19	0.5
(1,5463)	1:45:A:THR:H	1:46:A:GLU:HB2	17	0.5
(1,5463)	1:45:A:THR:H	1:46:A:GLU:HB2	19	0.5
(1,5440)	1:93:B:ASP:H	1:96:B:LEU:HB2	12	0.5
(1,5439)	1:93:A:ASP:H	1:96:A:LEU:HB2	12	0.5
(1,5400)	1:59:B:VAL:H	1:61:B:ASP:HB3	3	0.5
(1,5399)	1:59:A:VAL:H	1:61:A:ASP:HB3	3	0.5
(1,5386)	1:40:B:LEU:H	1:75:B:LEU:HD13	14	0.5
(1,5386)	1:40:B:LEU:H	1:75:B:LEU:HD12	20	0.5
(1,5385)	1:40:A:LEU:H	1:75:A:LEU:HD13	14	0.5
(1,5385)	1:40:A:LEU:H	1:75:A:LEU:HD12	20	0.5
(1,5374)	1:10:B:THR:H	1:47:A:LEU:HD22	4	0.5
(1,5356)	1:19:B:ALA:H	1:17:B:LEU:HB2	20	0.5
(1,5355)	1:19:A:ALA:H	1:17:A:LEU:HB2	20	0.5
(1,5320)	1:77:B:PHE:H	1:78:B:SER:HB3	12	0.5
(1,5296)	1:76:B:ASP:H	1:33:B:THR:HB	12	0.5
(1,5295)	1:76:A:ASP:H	1:33:A:THR:HB	12	0.5
(1,5284)	1:98:B:ALA:H	1:96:B:LEU:HD23	7	0.5
(1,5283)	1:98:A:ALA:H	1:96:A:LEU:HD23	7	0.5
(1,5265)	1:8:A:THR:H	1:47:B:LEU:HD22	20	0.5
(1,5242)	1:81:B:LEU:H	1:77:B:PHE:H	14	0.5
(1,5030)	1:62:B:ARG:HG3	1:62:B:ARG:HA	2	0.5
(1,5030)	1:65:B:LYS:HG2	1:65:B:LYS:HA	8	0.5
(1,5029)	1:62:A:ARG:HG3	1:62:A:ARG:HA	2	0.5
(1,5029)	1:62:A:ARG:HG3	1:62:A:ARG:HA	6	0.5
(1,4974)	1:37:B:THR:HA	1:40:B:LEU:HD22	10	0.5
(1,4974)	1:83:B:LEU:HD23	1:80:B:PHE:HA	17	0.5
(1,4973)	1:83:A:LEU:HD23	1:80:A:PHE:HA	17	0.5
(1,4938)	1:10:B:THR:HG21	1:87:A:LEU:HD21	12	0.5
(1,4897)	1:88:A:ALA:HB1	1:17:B:LEU:HD11	8	0.5
(1,4882)	1:37:B:THR:HG22	1:40:B:LEU:HB2	10	0.5
(1,4882)	1:37:B:THR:HG23	1:40:B:LEU:HB2	16	0.5
(1,4881)	1:37:A:THR:HG22	1:40:A:LEU:HB2	10	0.5
(1,4820)	1:96:B:LEU:HD22	1:92:B:HIS:HB3	18	0.5
(1,4790)	1:66:B:LYS:HB3	1:67:B:LEU:HD23	7	0.5
(1,4676)	1:89:B:MET:HG3	1:78:A:SER:HB2	4	0.5
(1,4676)	1:63:B:MET:HG3	1:63:B:MET:HA	17	0.5
(1,4675)	1:63:A:MET:HG3	1:63:A:MET:HA	3	0.5
(1,4675)	1:63:A:MET:HG3	1:63:A:MET:HA	17	0.5
(1,4670)	1:87:B:LEU:HG	1:47:B:LEU:HD13	6	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4670)	1:87:B:LEU:HG	1:47:B:LEU:HD13	10	0.5
(1,4670)	1:87:B:LEU:HG	1:47:B:LEU:HD13	11	0.5
(1,4670)	1:87:B:LEU:HG	1:47:B:LEU:HD11	19	0.5
(1,4669)	1:87:A:LEU:HG	1:47:A:LEU:HD13	6	0.5
(1,4669)	1:87:A:LEU:HG	1:47:A:LEU:HD11	19	0.5
(1,4664)	1:7:B:PRO:HB2	1:7:B:PRO:HD3	12	0.5
(1,4622)	1:89:B:MET:HA	1:88:B:ALA:HB3	6	0.5
(1,4622)	1:89:B:MET:HA	1:88:B:ALA:HB2	17	0.5
(1,4621)	1:89:A:MET:HA	1:88:A:ALA:HB3	6	0.5
(1,4621)	1:89:A:MET:HA	1:88:A:ALA:HB2	12	0.5
(1,4621)	1:89:A:MET:HA	1:88:A:ALA:HB2	17	0.5
(1,4600)	1:43:B:MET:H	1:60:B:LEU:HD11	6	0.5
(1,4599)	1:43:A:MET:H	1:60:A:LEU:HD11	6	0.5
(1,4572)	1:47:B:LEU:HD12	1:39:B:PHE:HA	1	0.5
(1,4572)	1:47:B:LEU:HD13	1:39:B:PHE:HA	8	0.5
(1,4571)	1:47:A:LEU:HD12	1:39:A:PHE:HA	1	0.5
(1,4571)	1:47:A:LEU:HD13	1:39:A:PHE:HA	8	0.5
(1,4460)	1:20:B:VAL:HG23	1:81:B:LEU:HD23	16	0.5
(1,4459)	1:20:A:VAL:HG23	1:81:A:LEU:HD23	16	0.5
(1,4384)	1:11:B:GLU:HB3	1:14:B:ILE:HD12	19	0.5
(1,4383)	1:11:A:GLU:HB3	1:14:A:ILE:HD13	14	0.5
(1,4383)	1:11:A:GLU:HB3	1:14:A:ILE:HD12	19	0.5
(1,4383)	1:11:A:GLU:HB2	1:47:B:LEU:HD22	20	0.5
(1,4334)	1:68:B:ASP:HB2	1:67:B:LEU:HB2	4	0.5
(1,4334)	1:68:B:ASP:HB2	1:67:B:LEU:HB2	5	0.5
(1,4334)	1:68:B:ASP:HB2	1:67:B:LEU:HB2	16	0.5
(1,4334)	1:68:B:ASP:HB2	1:67:B:LEU:HB2	18	0.5
(1,4333)	1:68:A:ASP:HB2	1:67:A:LEU:HB2	13	0.5
(1,4333)	1:68:A:ASP:HB2	1:67:A:LEU:HB2	18	0.5
(1,4318)	1:67:B:LEU:HD21	1:63:B:MET:HG3	6	0.5
(1,4302)	1:34:B:LEU:HD13	1:80:B:PHE:HB3	15	0.5
(1,4296)	1:87:B:LEU:HA	1:86:B:GLY:HA3	1	0.5
(1,4296)	1:87:B:LEU:HA	1:86:B:GLY:HA3	13	0.5
(1,4296)	1:87:B:LEU:HA	1:86:B:GLY:HA3	17	0.5
(1,4296)	1:87:B:LEU:HA	1:86:B:GLY:HA3	19	0.5
(1,4295)	1:87:A:LEU:HA	1:86:A:GLY:HA3	1	0.5
(1,4295)	1:87:A:LEU:HA	1:86:A:GLY:HA3	5	0.5
(1,4295)	1:87:A:LEU:HA	1:86:A:GLY:HA3	9	0.5
(1,4295)	1:87:A:LEU:HA	1:86:A:GLY:HA3	13	0.5
(1,4295)	1:87:A:LEU:HA	1:86:A:GLY:HA3	17	0.5
(1,4237)	1:8:A:THR:HA	1:11:A:GLU:HB2	2	0.5
(1,4201)	1:11:A:GLU:HG2	1:8:A:THR:HG22	13	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4198)	1:60:B:LEU:HD12	1:44:B:ASN:HB2	10	0.5
(1,4198)	1:60:B:LEU:HD11	1:44:B:ASN:HB2	18	0.5
(1,4197)	1:60:A:LEU:HD12	1:44:A:ASN:HB2	10	0.5
(1,4196)	1:52:B:LYS:HD3	1:44:B:ASN:HB3	18	0.5
(1,4188)	1:11:B:GLU:HA	1:13:B:CYS:HA	14	0.5
(1,4188)	1:11:B:GLU:HA	1:13:B:CYS:HA	19	0.5
(1,4187)	1:11:A:GLU:HA	1:13:A:CYS:HA	14	0.5
(1,4187)	1:11:A:GLU:HA	1:13:A:CYS:HA	19	0.5
(1,4179)	1:65:A:LYS:HE2	1:68:A:ASP:HB3	20	0.5
(1,4162)	1:22:B:GLN:HA	1:26:B:GLY:HA3	2	0.5
(1,4150)	1:13:B:CYS:HB2	1:17:A:LEU:HG	15	0.5
(1,4114)	1:18:B:ILE:H	1:17:B:LEU:HD12	3	0.5
(1,4114)	1:18:B:ILE:H	1:17:B:LEU:HD13	18	0.5
(1,4074)	1:15:B:GLU:HA	1:18:B:ILE:HA	8	0.5
(1,4063)	1:23:A:LYS:HD3	1:24:A:TYR:H	3	0.5
(1,4052)	1:58:B:GLY:HA3	1:57:B:PRO:HG2	10	0.5
(1,4024)	1:83:B:LEU:HB3	1:82:B:ASN:HB2	15	0.5
(1,4023)	1:83:A:LEU:HB3	1:82:A:ASN:HB2	15	0.5
(1,4014)	1:66:B:LYS:H	1:66:B:LYS:HD2	5	0.5
(1,4013)	1:66:A:LYS:H	1:66:A:LYS:HD2	5	0.5
(1,3957)	1:17:A:LEU:HG	1:16:A:SER:HB3	15	0.5
(1,3914)	1:35:B:SER:HA	1:34:B:LEU:HG	18	0.5
(1,3913)	1:35:A:SER:HA	1:34:A:LEU:HG	18	0.5
(1,3864)	1:74:B:GLN:HG2	1:75:B:LEU:HD21	3	0.5
(1,3863)	1:74:A:GLN:HG2	1:75:A:LEU:HD21	3	0.5
(1,3834)	1:17:B:LEU:HD12	1:14:B:ILE:H	20	0.5
(1,3833)	1:17:A:LEU:HD12	1:14:A:ILE:H	20	0.5
(1,3794)	1:74:B:GLN:HA	1:64:B:MET:HG2	11	0.5
(1,3793)	1:74:A:GLN:HA	1:64:A:MET:HG2	11	0.5
(1,3786)	1:89:B:MET:HG3	1:87:B:LEU:H	9	0.5
(1,3780)	1:48:B:ALA:HA	1:50:B:PHE:HB3	4	0.5
(1,3780)	1:48:B:ALA:HA	1:50:B:PHE:HB2	9	0.5
(1,3779)	1:48:A:ALA:HA	1:50:A:PHE:HB3	4	0.5
(1,3779)	1:48:A:ALA:HA	1:50:A:PHE:HB2	9	0.5
(1,3738)	1:67:B:LEU:HG	1:83:B:LEU:H	3	0.5
(1,3738)	1:67:B:LEU:HG	1:83:B:LEU:H	5	0.5
(1,3738)	1:67:B:LEU:HG	1:83:B:LEU:H	16	0.5
(1,3737)	1:67:A:LEU:HG	1:83:A:LEU:H	3	0.5
(1,3684)	1:73:B:GLY:HA3	1:74:B:GLN:HB2	2	0.5
(1,3684)	1:66:B:LYS:HB3	1:64:B:MET:HA	5	0.5
(1,3683)	1:73:A:GLY:HA3	1:74:A:GLN:HB2	2	0.5
(1,3683)	1:66:A:LYS:HB3	1:64:A:MET:HA	5	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3680)	1:33:B:THR:HB	1:34:B:LEU:HG	16	0.5
(1,3679)	1:33:A:THR:HB	1:34:A:LEU:HG	16	0.5
(1,3670)	1:69:B:THR:HA	1:70:B:ASN:HB2	15	0.5
(1,3655)	1:48:A:ALA:HB1	1:11:B:GLU:HG3	5	0.5
(1,3651)	1:47:A:LEU:HD21	1:10:B:THR:H	2	0.5
(1,3632)	1:65:B:LYS:HG2	1:61:B:ASP:HB3	19	0.5
(1,3631)	1:65:A:LYS:HG2	1:61:A:ASP:HB3	19	0.5
(1,3608)	1:37:B:THR:HG21	1:39:B:PHE:H	13	0.5
(1,3607)	1:37:A:THR:HG21	1:39:A:PHE:H	13	0.5
(1,3586)	1:11:B:GLU:HA	1:13:B:CYS:HB2	9	0.5
(1,3585)	1:11:A:GLU:HA	1:13:A:CYS:HB2	9	0.5
(1,3536)	1:18:B:ILE:HB	1:91:A:CYS:HB2	19	0.5
(1,3509)	1:7:A:PRO:HB2	1:12:A:ARG:HD2	19	0.5
(1,3506)	1:69:B:THR:HB	1:82:B:ASN:HB2	11	0.5
(1,3505)	1:69:A:THR:HB	1:82:A:ASN:HB2	11	0.5
(1,3473)	1:17:A:LEU:HG	1:21:A:PHE:H	20	0.5
(1,3420)	1:11:B:GLU:HA	1:47:A:LEU:HA	9	0.5
(1,3412)	1:22:B:GLN:HG3	1:100:A:PRO:HB2	8	0.5
(1,3411)	1:22:A:GLN:HG3	1:100:B:PRO:HB2	8	0.5
(1,3392)	1:17:B:LEU:HD13	1:13:A:CYS:HA	3	0.5
(1,3388)	1:17:B:LEU:HD21	1:88:A:ALA:HB2	14	0.5
(1,3378)	1:8:B:THR:HG23	1:48:A:ALA:HA	10	0.5
(1,3378)	1:8:B:THR:HG23	1:48:A:ALA:HA	15	0.5
(1,3377)	1:8:A:THR:HG23	1:48:B:ALA:HA	10	0.5
(1,3377)	1:8:A:THR:HG23	1:48:B:ALA:HA	15	0.5
(1,3372)	1:10:B:THR:HG21	1:87:A:LEU:HD21	12	0.5
(1,3350)	1:14:B:ILE:HD12	1:88:A:ALA:HB2	7	0.5
(1,3350)	1:14:B:ILE:HD13	1:88:A:ALA:HB2	9	0.5
(1,3350)	1:14:B:ILE:HD12	1:88:A:ALA:HB2	10	0.5
(1,3350)	1:14:B:ILE:HD11	1:88:A:ALA:HB2	16	0.5
(1,3349)	1:14:A:ILE:HD12	1:88:B:ALA:HB2	10	0.5
(1,3349)	1:14:A:ILE:HD11	1:88:B:ALA:HB2	16	0.5
(1,3266)	1:27:B:LYS:H	1:27:B:LYS:HB3	2	0.5
(1,3266)	1:27:B:LYS:H	1:27:B:LYS:HB3	3	0.5
(1,3266)	1:27:B:LYS:H	1:27:B:LYS:HB3	12	0.5
(1,3265)	1:27:A:LYS:H	1:27:A:LYS:HB3	3	0.5
(1,3254)	1:62:B:ARG:H	1:61:B:ASP:HB2	13	0.5
(1,3024)	1:76:B:ASP:H	1:75:B:LEU:HB2	19	0.5
(1,3023)	1:76:A:ASP:H	1:75:A:LEU:HB2	19	0.5
(1,2824)	1:24:B:TYR:H	1:25:B:ALA:HB1	4	0.5
(1,2824)	1:24:B:TYR:H	1:25:B:ALA:HB1	20	0.5
(1,2823)	1:24:A:TYR:H	1:25:A:ALA:HB1	4	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2823)	1:24:A:TYR:H	1:25:A:ALA:HB1	20	0.5
(1,2724)	1:78:B:SER:H	1:81:B:LEU:HD11	15	0.5
(1,2698)	1:27:B:LYS:H	1:25:B:ALA:HB2	7	0.5
(1,2697)	1:27:A:LYS:H	1:25:A:ALA:HB2	7	0.5
(1,2697)	1:27:A:LYS:H	1:25:A:ALA:HB1	18	0.5
(1,2332)	1:96:B:LEU:HB2	1:97:B:LYS:HE2	5	0.5
(1,2331)	1:96:A:LEU:HB2	1:97:A:LYS:HE2	5	0.5
(1,2306)	1:96:B:LEU:HB2	1:97:B:LYS:HE2	5	0.5
(1,2305)	1:96:A:LEU:HB2	1:97:A:LYS:HE2	5	0.5
(1,1940)	1:96:B:LEU:HB2	1:96:B:LEU:HD12	4	0.5
(1,1940)	1:96:B:LEU:HB2	1:96:B:LEU:HD13	7	0.5
(1,1939)	1:96:A:LEU:HB2	1:96:A:LEU:HD12	4	0.5
(1,1939)	1:96:A:LEU:HB2	1:96:A:LEU:HD13	7	0.5
(1,1928)	1:96:B:LEU:HB2	1:96:B:LEU:HD12	4	0.5
(1,1928)	1:96:B:LEU:HB2	1:96:B:LEU:HD11	16	0.5
(1,1928)	1:96:B:LEU:HB2	1:96:B:LEU:HD13	17	0.5
(1,1927)	1:96:A:LEU:HB2	1:96:A:LEU:HD12	4	0.5
(1,1927)	1:96:A:LEU:HB2	1:96:A:LEU:HD11	16	0.5
(1,1927)	1:96:A:LEU:HB2	1:96:A:LEU:HD13	17	0.5
(1,1828)	1:57:B:PRO:HD3	1:57:B:PRO:HA	17	0.5
(1,1827)	1:57:A:PRO:HD3	1:57:A:PRO:HA	17	0.5
(1,1767)	1:20:A:VAL:HG12	1:24:A:TYR:H	19	0.5
(1,1739)	1:23:A:LYS:HE2	1:8:B:THR:HB	12	0.5
(1,1682)	1:50:B:PHE:HB3	1:47:B:LEU:HD23	10	0.5
(1,1682)	1:50:B:PHE:HB3	1:47:B:LEU:HD21	14	0.5
(1,1608)	1:47:B:LEU:HB2	1:50:B:PHE:HB3	14	0.5
(1,1608)	1:47:B:LEU:HB2	1:50:B:PHE:HB3	20	0.5
(1,1607)	1:47:A:LEU:HB2	1:50:A:PHE:HB3	14	0.5
(1,1607)	1:47:A:LEU:HB2	1:50:A:PHE:HB3	20	0.5
(1,1530)	1:9:B:GLU:H	1:8:B:THR:HG23	5	0.5
(1,1529)	1:9:A:GLU:H	1:8:A:THR:HG23	5	0.5
(1,1529)	1:9:A:GLU:H	1:8:A:THR:HG21	7	0.5
(1,1500)	1:18:B:ILE:HG23	1:22:B:GLN:HG3	15	0.5
(1,836)	1:59:B:VAL:HG21	1:62:B:ARG:H	15	0.5
(1,835)	1:59:A:VAL:HG21	1:62:A:ARG:H	15	0.5
(1,520)	1:74:B:GLN:HG3	1:75:B:LEU:HA	6	0.5
(1,520)	1:74:B:GLN:HG3	1:75:B:LEU:HA	9	0.5
(1,520)	1:74:B:GLN:HG2	1:75:B:LEU:HA	13	0.5
(1,519)	1:74:A:GLN:HG3	1:75:A:LEU:HA	6	0.5
(1,519)	1:74:A:GLN:HG3	1:75:A:LEU:HA	9	0.5
(1,519)	1:74:A:GLN:HG2	1:75:A:LEU:HA	13	0.5
(1,443)	1:15:A:GLU:HG3	1:91:B:CYS:HB3	12	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,364)	1:47:B:LEU:HD22	1:10:A:THR:H	10	0.5
(1,210)	1:76:B:ASP:HA	1:34:B:LEU:HB3	2	0.5
(1,190)	1:46:B:GLU:HG3	1:24:B:TYR:H	9	0.5
(1,146)	1:78:B:SER:HB2	1:81:B:LEU:HB3	11	0.5
(1,40)	1:87:B:LEU:HD23	1:14:A:ILE:HD12	4	0.5
(1,39)	1:87:A:LEU:HD23	1:14:B:ILE:HD12	4	0.5
(1,5722)	1:67:B:LEU:H	1:67:B:LEU:HD12	5	0.49
(1,5722)	1:67:B:LEU:H	1:67:B:LEU:HD21	12	0.49
(1,5722)	1:67:B:LEU:H	1:67:B:LEU:HD23	20	0.49
(1,5721)	1:67:A:LEU:H	1:67:A:LEU:HD12	5	0.49
(1,5721)	1:67:A:LEU:H	1:67:A:LEU:HD21	12	0.49
(1,5721)	1:67:A:LEU:H	1:67:A:LEU:HD22	16	0.49
(1,5721)	1:67:A:LEU:H	1:67:A:LEU:HD23	20	0.49
(1,5676)	1:61:B:ASP:H	1:60:B:LEU:HG	4	0.49
(1,5676)	1:61:B:ASP:H	1:60:B:LEU:HG	13	0.49
(1,5675)	1:61:A:ASP:H	1:60:A:LEU:HG	4	0.49
(1,5675)	1:61:A:ASP:H	1:60:A:LEU:HG	13	0.49
(1,5622)	1:47:B:LEU:H	1:48:B:ALA:HB2	5	0.49
(1,5622)	1:47:B:LEU:H	1:48:B:ALA:HB1	6	0.49
(1,5621)	1:47:A:LEU:H	1:48:A:ALA:HB2	5	0.49
(1,5621)	1:47:A:LEU:H	1:48:A:ALA:HB1	6	0.49
(1,5621)	1:47:A:LEU:H	1:48:A:ALA:HB3	14	0.49
(1,5621)	1:47:A:LEU:H	1:48:A:ALA:HB3	19	0.49
(1,5539)	1:10:A:THR:H	1:20:B:VAL:HG21	7	0.49
(1,5534)	1:82:B:ASN:H	1:80:B:PHE:HA	14	0.49
(1,5533)	1:82:A:ASN:H	1:80:A:PHE:HA	14	0.49
(1,5530)	1:39:B:PHE:H	1:40:B:LEU:HD22	16	0.49
(1,5530)	1:39:B:PHE:H	1:40:B:LEU:HD21	17	0.49
(1,5529)	1:39:A:PHE:H	1:40:A:LEU:HD22	5	0.49
(1,5529)	1:39:A:PHE:H	1:40:A:LEU:HD21	17	0.49
(1,5498)	1:76:B:ASP:H	1:72:B:ASP:HB3	8	0.49
(1,5497)	1:76:A:ASP:H	1:72:A:ASP:HB3	8	0.49
(1,5476)	1:50:B:PHE:H	1:47:B:LEU:HD21	14	0.49
(1,5475)	1:50:A:PHE:H	1:47:A:LEU:HD21	14	0.49
(1,5472)	1:80:B:PHE:H	1:75:B:LEU:HD11	8	0.49
(1,5472)	1:80:B:PHE:H	1:75:B:LEU:HD13	11	0.49
(1,5471)	1:80:A:PHE:H	1:75:A:LEU:HD13	11	0.49
(1,5464)	1:45:B:THR:H	1:46:B:GLU:HB2	19	0.49
(1,5386)	1:40:B:LEU:H	1:75:B:LEU:HD13	12	0.49
(1,5373)	1:10:A:THR:H	1:47:B:LEU:HD22	4	0.49
(1,5242)	1:81:B:LEU:H	1:77:B:PHE:H	15	0.49
(1,5241)	1:81:A:LEU:H	1:77:A:PHE:H	15	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5206)	1:44:B:ASN:H	1:60:B:LEU:HB2	16	0.49
(1,5205)	1:44:A:ASN:H	1:60:A:LEU:HB2	16	0.49
(1,5203)	1:75:A:LEU:H	1:64:A:MET:HG2	8	0.49
(1,5030)	1:62:B:ARG:HG3	1:62:B:ARG:HA	6	0.49
(1,5030)	1:65:B:LYS:HG2	1:65:B:LYS:HA	13	0.49
(1,5029)	1:65:A:LYS:HG2	1:65:A:LYS:HA	3	0.49
(1,5029)	1:65:A:LYS:HG2	1:65:A:LYS:HA	8	0.49
(1,5029)	1:65:A:LYS:HG2	1:65:A:LYS:HA	13	0.49
(1,4974)	1:83:B:LEU:HD21	1:80:B:PHE:HA	14	0.49
(1,4973)	1:37:A:THR:HA	1:40:A:LEU:HD22	10	0.49
(1,4973)	1:83:A:LEU:HD21	1:80:A:PHE:HA	14	0.49
(1,4898)	1:88:B:ALA:HB3	1:17:A:LEU:HD12	12	0.49
(1,4897)	1:88:A:ALA:HB3	1:17:B:LEU:HD12	12	0.49
(1,4882)	1:37:B:THR:HG21	1:40:B:LEU:HB2	1	0.49
(1,4882)	1:37:B:THR:HG22	1:40:B:LEU:HB2	7	0.49
(1,4881)	1:37:A:THR:HG21	1:40:A:LEU:HB2	1	0.49
(1,4881)	1:37:A:THR:HG22	1:40:A:LEU:HB2	7	0.49
(1,4881)	1:37:A:THR:HG23	1:40:A:LEU:HB2	16	0.49
(1,4819)	1:96:A:LEU:HD22	1:92:A:HIS:HB3	18	0.49
(1,4789)	1:66:A:LYS:HB3	1:67:A:LEU:HD23	7	0.49
(1,4741)	1:44:A:ASN:HA	1:60:A:LEU:HD13	13	0.49
(1,4676)	1:63:B:MET:HG3	1:63:B:MET:HA	3	0.49
(1,4675)	1:89:A:MET:HG3	1:78:B:SER:HB2	4	0.49
(1,4670)	1:87:B:LEU:HG	1:47:B:LEU:HD11	4	0.49
(1,4669)	1:87:A:LEU:HG	1:47:A:LEU:HD11	4	0.49
(1,4663)	1:7:A:PRO:HB2	1:7:A:PRO:HD3	12	0.49
(1,4630)	1:36:B:LYS:HE3	1:39:B:PHE:HB3	7	0.49
(1,4630)	1:36:B:LYS:HE3	1:39:B:PHE:HB3	13	0.49
(1,4630)	1:36:B:LYS:HE3	1:39:B:PHE:HB3	18	0.49
(1,4629)	1:36:A:LYS:HE3	1:39:A:PHE:HB3	7	0.49
(1,4629)	1:36:A:LYS:HE3	1:39:A:PHE:HB3	13	0.49
(1,4629)	1:36:A:LYS:HE3	1:39:A:PHE:HB3	18	0.49
(1,4600)	1:43:B:MET:H	1:60:B:LEU:HD13	19	0.49
(1,4599)	1:43:A:MET:H	1:60:A:LEU:HD13	19	0.49
(1,4572)	1:47:B:LEU:HD12	1:39:B:PHE:HA	13	0.49
(1,4571)	1:47:A:LEU:HD12	1:39:A:PHE:HA	13	0.49
(1,4516)	1:94:B:SER:HB2	1:95:B:PHE:HB2	12	0.49
(1,4516)	1:94:B:SER:HB2	1:95:B:PHE:HB2	17	0.49
(1,4516)	1:94:B:SER:HB3	1:95:B:PHE:HB2	20	0.49
(1,4515)	1:94:A:SER:HB2	1:95:A:PHE:HB2	12	0.49
(1,4515)	1:94:A:SER:HB3	1:95:A:PHE:HB2	20	0.49
(1,4504)	1:24:B:TYR:H	1:34:B:LEU:HD11	7	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4503)	1:24:A:TYR:H	1:34:A:LEU:HD11	7	0.49
(1,4460)	1:20:B:VAL:HG23	1:81:B:LEU:HD21	13	0.49
(1,4459)	1:20:A:VAL:HG23	1:81:A:LEU:HD21	13	0.49
(1,4397)	1:13:A:CYS:HB2	1:17:B:LEU:HD12	7	0.49
(1,4383)	1:11:A:GLU:HB2	1:47:B:LEU:HD22	9	0.49
(1,4378)	1:21:B:PHE:HB2	1:20:B:VAL:HG23	10	0.49
(1,4377)	1:21:A:PHE:HB2	1:20:A:VAL:HG23	10	0.49
(1,4334)	1:68:B:ASP:HB2	1:67:B:LEU:HB2	13	0.49
(1,4333)	1:68:A:ASP:HB2	1:67:A:LEU:HB2	5	0.49
(1,4333)	1:68:A:ASP:HB2	1:67:A:LEU:HB2	16	0.49
(1,4317)	1:67:A:LEU:HD21	1:63:A:MET:HG3	6	0.49
(1,4302)	1:34:B:LEU:HD11	1:80:B:PHE:HB3	10	0.49
(1,4301)	1:34:A:LEU:HD11	1:80:A:PHE:HB3	10	0.49
(1,4301)	1:34:A:LEU:HD13	1:80:A:PHE:HB3	15	0.49
(1,4298)	1:44:B:ASN:HA	1:47:B:LEU:HD11	14	0.49
(1,4296)	1:87:B:LEU:HA	1:86:B:GLY:HA3	4	0.49
(1,4295)	1:87:A:LEU:HA	1:86:A:GLY:HA3	4	0.49
(1,4270)	1:25:B:ALA:HB2	1:24:B:TYR:HB2	9	0.49
(1,4269)	1:25:A:ALA:HB2	1:24:A:TYR:HB2	9	0.49
(1,4254)	1:15:B:GLU:HG2	1:88:A:ALA:HB3	10	0.49
(1,4253)	1:15:A:GLU:HG2	1:88:B:ALA:HB3	10	0.49
(1,4238)	1:8:B:THR:HA	1:11:B:GLU:HB2	2	0.49
(1,4226)	1:65:B:LYS:HA	1:64:B:MET:HA	10	0.49
(1,4225)	1:65:A:LYS:HA	1:64:A:MET:HA	10	0.49
(1,4196)	1:52:B:LYS:HD3	1:44:B:ASN:HB3	5	0.49
(1,4178)	1:8:B:THR:HG22	1:46:A:GLU:H	19	0.49
(1,4161)	1:22:A:GLN:HA	1:26:A:GLY:HA3	2	0.49
(1,4154)	1:82:B:ASN:HA	1:81:B:LEU:HB2	6	0.49
(1,4153)	1:82:A:ASN:HA	1:81:A:LEU:HB2	6	0.49
(1,4094)	1:38:B:GLU:HB3	1:27:B:LYS:HE2	7	0.49
(1,4093)	1:38:A:GLU:HB3	1:27:A:LYS:HE2	7	0.49
(1,4074)	1:15:B:GLU:HA	1:18:B:ILE:HA	15	0.49
(1,4073)	1:15:A:GLU:HA	1:18:A:ILE:HA	15	0.49
(1,4066)	1:44:B:ASN:HB3	1:60:B:LEU:HD11	15	0.49
(1,4064)	1:23:B:LYS:HD3	1:24:B:TYR:H	3	0.49
(1,4064)	1:23:B:LYS:HD3	1:24:B:TYR:H	5	0.49
(1,4064)	1:23:B:LYS:HD3	1:24:B:TYR:H	9	0.49
(1,4063)	1:23:A:LYS:HD3	1:24:A:TYR:H	5	0.49
(1,4052)	1:58:B:GLY:HA3	1:57:B:PRO:HG2	4	0.49
(1,4051)	1:58:A:GLY:HA3	1:57:A:PRO:HG2	4	0.49
(1,4044)	1:57:B:PRO:HG2	1:61:B:ASP:HB2	15	0.49
(1,4043)	1:57:A:PRO:HG2	1:61:A:ASP:HB2	15	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3938)	1:65:B:LYS:HG2	1:64:B:MET:HA	14	0.49
(1,3937)	1:65:A:LYS:HG2	1:64:A:MET:HA	14	0.49
(1,3870)	1:12:B:ARG:HD2	1:14:B:ILE:HA	15	0.49
(1,3869)	1:12:A:ARG:HD2	1:14:A:ILE:HA	15	0.49
(1,3853)	1:79:A:GLU:HA	1:81:A:LEU:HA	11	0.49
(1,3846)	1:8:B:THR:HA	1:12:B:ARG:HG2	12	0.49
(1,3846)	1:92:B:HIS:HA	1:18:A:ILE:HB	18	0.49
(1,3845)	1:8:A:THR:HA	1:12:A:ARG:HG2	14	0.49
(1,3820)	1:47:B:LEU:HD11	1:43:B:MET:H	18	0.49
(1,3819)	1:47:A:LEU:HD11	1:43:A:MET:H	18	0.49
(1,3804)	1:41:B:SER:H	1:40:B:LEU:HG	20	0.49
(1,3803)	1:41:A:SER:H	1:40:A:LEU:HG	20	0.49
(1,3800)	1:47:B:LEU:HA	1:87:B:LEU:HD23	4	0.49
(1,3799)	1:47:A:LEU:HA	1:87:A:LEU:HD23	4	0.49
(1,3778)	1:57:B:PRO:HA	1:61:B:ASP:HB3	17	0.49
(1,3777)	1:57:A:PRO:HA	1:61:A:ASP:HB3	17	0.49
(1,3772)	1:75:B:LEU:HD21	1:82:B:ASN:HB3	11	0.49
(1,3771)	1:75:A:LEU:HD21	1:82:A:ASN:HB3	11	0.49
(1,3752)	1:11:B:GLU:HB2	1:8:B:THR:HB	17	0.49
(1,3751)	1:11:A:GLU:HB2	1:8:A:THR:HB	17	0.49
(1,3738)	1:65:B:LYS:H	1:67:B:LEU:HG	15	0.49
(1,3737)	1:67:A:LEU:HG	1:83:A:LEU:H	5	0.49
(1,3737)	1:65:A:LYS:H	1:67:A:LEU:HG	15	0.49
(1,3737)	1:67:A:LEU:HG	1:83:A:LEU:H	16	0.49
(1,3731)	1:25:A:ALA:HB2	1:35:A:SER:HB2	1	0.49
(1,3726)	1:46:B:GLU:HB2	1:20:B:VAL:HG13	18	0.49
(1,3725)	1:46:A:GLU:HB2	1:20:A:VAL:HG13	18	0.49
(1,3683)	1:73:A:GLY:HA3	1:74:A:GLN:HB2	9	0.49
(1,3648)	1:12:B:ARG:HD2	1:14:B:ILE:HA	15	0.49
(1,3647)	1:12:A:ARG:HD2	1:14:A:ILE:HA	15	0.49
(1,3646)	1:12:B:ARG:HD2	1:14:B:ILE:HA	15	0.49
(1,3645)	1:12:A:ARG:HD2	1:14:A:ILE:HA	15	0.49
(1,3642)	1:21:B:PHE:HB2	1:22:B:GLN:HA	5	0.49
(1,3641)	1:21:A:PHE:HB2	1:22:A:GLN:HA	5	0.49
(1,3632)	1:65:B:LYS:HG2	1:61:B:ASP:HB3	1	0.49
(1,3631)	1:65:A:LYS:HG2	1:61:A:ASP:HB3	1	0.49
(1,3619)	1:97:A:LYS:HG3	1:93:A:ASP:HB3	10	0.49
(1,3608)	1:37:B:THR:HG23	1:39:B:PHE:H	2	0.49
(1,3607)	1:37:A:THR:HG23	1:39:A:PHE:H	2	0.49
(1,3596)	1:13:B:CYS:HB2	1:20:A:VAL:HG11	10	0.49
(1,3595)	1:13:A:CYS:HB2	1:20:B:VAL:HG11	10	0.49
(1,3535)	1:18:A:ILE:HB	1:91:B:CYS:HB3	18	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3474)	1:17:B:LEU:HG	1:21:B:PHE:H	15	0.49
(1,3473)	1:17:A:LEU:HG	1:21:A:PHE:H	15	0.49
(1,3468)	1:75:B:LEU:HB3	1:33:B:THR:HA	3	0.49
(1,3467)	1:75:A:LEU:HB3	1:33:A:THR:HA	3	0.49
(1,3408)	1:11:B:GLU:HB2	1:46:A:GLU:HA	1	0.49
(1,3392)	1:17:B:LEU:HD11	1:13:A:CYS:HA	10	0.49
(1,3391)	1:17:A:LEU:HD11	1:13:B:CYS:HA	10	0.49
(1,3390)	1:17:B:LEU:HD22	1:17:A:LEU:HD11	5	0.49
(1,3389)	1:17:A:LEU:HD22	1:17:B:LEU:HD11	5	0.49
(1,3387)	1:17:A:LEU:HD21	1:88:B:ALA:HB2	14	0.49
(1,3358)	1:88:B:ALA:HB2	1:14:A:ILE:HB	16	0.49
(1,3354)	1:84:B:ILE:HG23	1:17:A:LEU:HD13	3	0.49
(1,3349)	1:14:A:ILE:HD12	1:88:B:ALA:HB2	7	0.49
(1,3266)	1:27:B:LYS:H	1:27:B:LYS:HB3	19	0.49
(1,3265)	1:27:A:LYS:H	1:27:A:LYS:HB3	2	0.49
(1,3265)	1:27:A:LYS:H	1:27:A:LYS:HB3	12	0.49
(1,3265)	1:27:A:LYS:H	1:27:A:LYS:HB3	19	0.49
(1,3254)	1:62:B:ARG:H	1:61:B:ASP:HB2	20	0.49
(1,3253)	1:62:A:ARG:H	1:61:A:ASP:HB2	13	0.49
(1,3253)	1:62:A:ARG:H	1:61:A:ASP:HB2	20	0.49
(1,3138)	1:76:B:ASP:H	1:75:B:LEU:HD21	3	0.49
(1,3138)	1:76:B:ASP:H	1:75:B:LEU:HD22	20	0.49
(1,3137)	1:76:A:ASP:H	1:75:A:LEU:HD21	3	0.49
(1,3137)	1:76:A:ASP:H	1:75:A:LEU:HD22	20	0.49
(1,3024)	1:76:B:ASP:H	1:75:B:LEU:HB2	10	0.49
(1,3024)	1:76:B:ASP:H	1:75:B:LEU:HB2	15	0.49
(1,3023)	1:76:A:ASP:H	1:75:A:LEU:HB2	10	0.49
(1,3023)	1:76:A:ASP:H	1:75:A:LEU:HB2	15	0.49
(1,2824)	1:24:B:TYR:H	1:25:B:ALA:HB3	16	0.49
(1,2823)	1:24:A:TYR:H	1:25:A:ALA:HB3	11	0.49
(1,2823)	1:24:A:TYR:H	1:25:A:ALA:HB3	16	0.49
(1,2816)	1:11:B:GLU:H	1:8:B:THR:HG23	17	0.49
(1,2815)	1:11:A:GLU:H	1:8:A:THR:HG23	17	0.49
(1,2776)	1:50:B:PHE:H	1:47:B:LEU:HB2	5	0.49
(1,2775)	1:50:A:PHE:H	1:47:A:LEU:HB2	5	0.49
(1,2698)	1:27:B:LYS:H	1:25:B:ALA:HB1	9	0.49
(1,2698)	1:27:B:LYS:H	1:25:B:ALA:HB1	18	0.49
(1,2697)	1:27:A:LYS:H	1:25:A:ALA:HB1	9	0.49
(1,2482)	1:78:B:SER:H	1:33:B:THR:HG21	1	0.49
(1,2481)	1:78:A:SER:H	1:33:A:THR:HG21	1	0.49
(1,2481)	1:78:A:SER:H	1:33:A:THR:HG21	10	0.49
(1,1940)	1:96:B:LEU:HB2	1:96:B:LEU:HD11	6	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1940)	1:96:B:LEU:HB2	1:96:B:LEU:HD12	19	0.49
(1,1939)	1:96:A:LEU:HB2	1:96:A:LEU:HD11	6	0.49
(1,1939)	1:96:A:LEU:HB2	1:96:A:LEU:HD12	19	0.49
(1,1928)	1:96:B:LEU:HB2	1:96:B:LEU:HD13	7	0.49
(1,1927)	1:96:A:LEU:HB2	1:96:A:LEU:HD13	7	0.49
(1,1768)	1:20:B:VAL:HG12	1:24:B:TYR:H	19	0.49
(1,1740)	1:23:B:LYS:HE2	1:8:A:THR:HB	12	0.49
(1,1682)	1:50:B:PHE:HB3	1:47:B:LEU:HD21	6	0.49
(1,1682)	1:50:B:PHE:HB2	1:47:B:LEU:HD23	7	0.49
(1,1681)	1:50:A:PHE:HB3	1:47:A:LEU:HD21	6	0.49
(1,1681)	1:50:A:PHE:HB2	1:47:A:LEU:HD23	7	0.49
(1,1681)	1:50:A:PHE:HB3	1:47:A:LEU:HD23	10	0.49
(1,1638)	1:38:B:GLU:HA	1:27:B:LYS:HD2	7	0.49
(1,1637)	1:38:A:GLU:HA	1:27:A:LYS:HD2	7	0.49
(1,1530)	1:9:B:GLU:H	1:8:B:THR:HG21	1	0.49
(1,1530)	1:9:B:GLU:H	1:8:B:THR:HG22	10	0.49
(1,1530)	1:9:B:GLU:H	1:8:B:THR:HG22	15	0.49
(1,1529)	1:9:A:GLU:H	1:8:A:THR:HG21	1	0.49
(1,1529)	1:9:A:GLU:H	1:8:A:THR:HG22	15	0.49
(1,1500)	1:18:B:ILE:HG22	1:22:B:GLN:HG3	14	0.49
(1,1499)	1:18:A:ILE:HG23	1:22:A:GLN:HG3	15	0.49
(1,1454)	1:48:B:ALA:HA	1:51:B:THR:HG21	20	0.49
(1,1453)	1:48:A:ALA:HA	1:51:A:THR:HG21	20	0.49
(1,1426)	1:47:B:LEU:HD13	1:50:B:PHE:HB3	18	0.49
(1,1425)	1:47:A:LEU:HD13	1:50:A:PHE:HB3	12	0.49
(1,1425)	1:47:A:LEU:HD13	1:50:A:PHE:HB3	18	0.49
(1,1237)	1:62:A:ARG:HB3	1:59:A:VAL:HA	3	0.49
(1,1024)	1:53:B:ASN:HA	1:52:B:LYS:HG3	4	0.49
(1,1024)	1:53:B:ASN:HA	1:52:B:LYS:HG2	16	0.49
(1,1023)	1:53:A:ASN:HA	1:52:A:LYS:HG3	4	0.49
(1,1023)	1:53:A:ASN:HA	1:52:A:LYS:HG2	16	0.49
(1,856)	1:9:B:GLU:HG2	1:17:A:LEU:HD22	13	0.49
(1,836)	1:59:B:VAL:HG22	1:62:B:ARG:H	3	0.49
(1,835)	1:59:A:VAL:HG22	1:62:A:ARG:H	3	0.49
(1,519)	1:74:A:GLN:HG3	1:75:A:LEU:HA	20	0.49
(1,444)	1:15:B:GLU:HG3	1:91:A:CYS:HB3	12	0.49
(1,220)	1:75:B:LEU:HD11	1:68:B:ASP:HA	14	0.49
(1,219)	1:75:A:LEU:HD11	1:68:A:ASP:HA	14	0.49
(1,210)	1:76:B:ASP:HA	1:34:B:LEU:HB3	7	0.49
(1,209)	1:76:A:ASP:HA	1:34:A:LEU:HB3	2	0.49
(1,209)	1:76:A:ASP:HA	1:34:A:LEU:HB3	7	0.49
(1,189)	1:46:A:GLU:HG3	1:24:A:TYR:H	9	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,180)	1:13:B:CYS:H	1:11:B:GLU:HG2	18	0.48
(2,179)	1:13:A:CYS:H	1:11:A:GLU:HG2	18	0.48
(2,16)	1:61:B:ASP:HB2	1:62:B:ARG:HD2	6	0.48
(1,5722)	1:67:B:LEU:H	1:67:B:LEU:HD23	10	0.48
(1,5722)	1:67:B:LEU:H	1:67:B:LEU:HD23	13	0.48
(1,5722)	1:67:B:LEU:H	1:67:B:LEU:HD22	14	0.48
(1,5722)	1:67:B:LEU:H	1:67:B:LEU:HD22	16	0.48
(1,5721)	1:67:A:LEU:H	1:67:A:LEU:HD21	2	0.48
(1,5721)	1:67:A:LEU:H	1:67:A:LEU:HD23	10	0.48
(1,5721)	1:67:A:LEU:H	1:67:A:LEU:HD23	13	0.48
(1,5721)	1:67:A:LEU:H	1:67:A:LEU:HD22	14	0.48
(1,5676)	1:61:B:ASP:H	1:60:B:LEU:HG	2	0.48
(1,5622)	1:47:B:LEU:H	1:48:B:ALA:HB3	2	0.48
(1,5622)	1:47:B:LEU:H	1:48:B:ALA:HB3	16	0.48
(1,5621)	1:47:A:LEU:H	1:48:A:ALA:HB3	2	0.48
(1,5621)	1:47:A:LEU:H	1:48:A:ALA:HB3	16	0.48
(1,5530)	1:39:B:PHE:H	1:40:B:LEU:HD22	5	0.48
(1,5529)	1:39:A:PHE:H	1:40:A:LEU:HD22	16	0.48
(1,5476)	1:50:B:PHE:H	1:47:B:LEU:HD21	6	0.48
(1,5475)	1:50:A:PHE:H	1:47:A:LEU:HD21	6	0.48
(1,5471)	1:80:A:PHE:H	1:75:A:LEU:HD11	8	0.48
(1,5385)	1:40:A:LEU:H	1:75:A:LEU:HD13	12	0.48
(1,5319)	1:77:A:PHE:H	1:78:A:SER:HB3	12	0.48
(1,5314)	1:92:B:HIS:H	1:81:A:LEU:HD13	4	0.48
(1,5284)	1:98:B:ALA:H	1:96:B:LEU:HD21	12	0.48
(1,5223)	1:21:A:PHE:H	1:25:A:ALA:HB1	12	0.48
(1,5204)	1:75:B:LEU:H	1:64:B:MET:HG2	8	0.48
(1,5204)	1:75:B:LEU:H	1:64:B:MET:HG2	15	0.48
(1,5203)	1:75:A:LEU:H	1:64:A:MET:HG2	15	0.48
(1,5030)	1:65:B:LYS:HG2	1:65:B:LYS:HA	3	0.48
(1,4882)	1:37:B:THR:HG22	1:40:B:LEU:HB2	8	0.48
(1,4881)	1:37:A:THR:HG22	1:40:A:LEU:HB2	8	0.48
(1,4881)	1:37:A:THR:HG21	1:40:A:LEU:HB2	17	0.48
(1,4742)	1:44:B:ASN:HA	1:60:B:LEU:HD13	13	0.48
(1,4716)	1:17:B:LEU:HD21	1:13:A:CYS:HB2	18	0.48
(1,4676)	1:63:B:MET:HG3	1:63:B:MET:HA	15	0.48
(1,4676)	1:63:B:MET:HG3	1:63:B:MET:HA	20	0.48
(1,4675)	1:63:A:MET:HG3	1:63:A:MET:HA	20	0.48
(1,4664)	1:100:B:PRO:HD2	1:100:B:PRO:HB2	10	0.48
(1,4664)	1:100:B:PRO:HD2	1:100:B:PRO:HB2	13	0.48
(1,4664)	1:100:B:PRO:HD2	1:100:B:PRO:HB2	20	0.48
(1,4663)	1:100:A:PRO:HD2	1:100:A:PRO:HB2	10	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4663)	1:100:A:PRO:HD2	1:100:A:PRO:HB2	20	0.48
(1,4652)	1:37:B:THR:HG22	1:41:B:SER:H	14	0.48
(1,4600)	1:43:B:MET:H	1:60:B:LEU:HD12	4	0.48
(1,4599)	1:43:A:MET:H	1:60:A:LEU:HD12	4	0.48
(1,4578)	1:65:B:LYS:HD3	1:68:B:ASP:HA	18	0.48
(1,4577)	1:65:A:LYS:HD3	1:68:A:ASP:HA	18	0.48
(1,4566)	1:65:B:LYS:HD3	1:68:B:ASP:HA	18	0.48
(1,4565)	1:65:A:LYS:HD3	1:68:A:ASP:HA	18	0.48
(1,4516)	1:94:B:SER:HB2	1:95:B:PHE:HB2	7	0.48
(1,4515)	1:94:A:SER:HB2	1:95:A:PHE:HB2	7	0.48
(1,4515)	1:94:A:SER:HB2	1:95:A:PHE:HB2	17	0.48
(1,4397)	1:13:A:CYS:HB2	1:17:B:LEU:HD13	12	0.48
(1,4384)	1:11:B:GLU:HB3	1:14:B:ILE:HD12	3	0.48
(1,4383)	1:11:A:GLU:HB3	1:14:A:ILE:HD12	3	0.48
(1,4383)	1:11:A:GLU:HB3	1:14:A:ILE:HD13	4	0.48
(1,4320)	1:65:B:LYS:HD3	1:68:B:ASP:HA	18	0.48
(1,4319)	1:65:A:LYS:HD3	1:68:A:ASP:HA	18	0.48
(1,4302)	1:34:B:LEU:HD13	1:80:B:PHE:HB3	11	0.48
(1,4301)	1:34:A:LEU:HD13	1:80:A:PHE:HB3	11	0.48
(1,4297)	1:44:A:ASN:HA	1:47:A:LEU:HD11	14	0.48
(1,4296)	1:87:B:LEU:HA	1:86:B:GLY:HA3	8	0.48
(1,4296)	1:87:B:LEU:HA	1:86:B:GLY:HA3	10	0.48
(1,4295)	1:87:A:LEU:HA	1:86:A:GLY:HA3	8	0.48
(1,4295)	1:87:A:LEU:HA	1:86:A:GLY:HA3	10	0.48
(1,4270)	1:25:B:ALA:HB3	1:24:B:TYR:HB2	6	0.48
(1,4269)	1:25:A:ALA:HB3	1:24:A:TYR:HB2	6	0.48
(1,4238)	1:8:B:THR:HA	1:11:B:GLU:HB2	5	0.48
(1,4199)	1:42:A:PHE:HA	1:39:A:PHE:HA	14	0.48
(1,4195)	1:52:A:LYS:HD3	1:44:A:ASN:HB3	5	0.48
(1,4192)	1:61:B:ASP:HB3	1:40:B:LEU:HD21	5	0.48
(1,4192)	1:61:B:ASP:HB3	1:40:B:LEU:HD21	9	0.48
(1,4191)	1:61:A:ASP:HB3	1:40:A:LEU:HD21	5	0.48
(1,4191)	1:61:A:ASP:HB3	1:40:A:LEU:HD21	9	0.48
(1,4154)	1:82:B:ASN:HA	1:81:B:LEU:HB2	19	0.48
(1,4153)	1:82:A:ASN:HA	1:81:A:LEU:HB2	19	0.48
(1,4114)	1:18:B:ILE:H	1:17:B:LEU:HD13	17	0.48
(1,4090)	1:60:B:LEU:HB3	1:64:B:MET:H	18	0.48
(1,4089)	1:60:A:LEU:HB3	1:64:A:MET:H	18	0.48
(1,4065)	1:44:A:ASN:HB3	1:60:A:LEU:HD11	15	0.48
(1,4064)	1:23:B:LYS:HD3	1:24:B:TYR:H	17	0.48
(1,4063)	1:23:A:LYS:HD3	1:24:A:TYR:H	9	0.48
(1,4063)	1:23:A:LYS:HD3	1:24:A:TYR:H	17	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4034)	1:21:B:PHE:H	1:19:B:ALA:HA	4	0.48
(1,4034)	1:21:B:PHE:H	1:19:B:ALA:HA	15	0.48
(1,4033)	1:21:A:PHE:H	1:19:A:ALA:HA	4	0.48
(1,4033)	1:21:A:PHE:H	1:19:A:ALA:HA	15	0.48
(1,3984)	1:60:B:LEU:HD13	1:52:B:LYS:H	7	0.48
(1,3983)	1:60:A:LEU:HD13	1:52:A:LYS:H	7	0.48
(1,3966)	1:9:B:GLU:HB2	1:12:B:ARG:HD2	13	0.48
(1,3965)	1:9:A:GLU:HB2	1:12:A:ARG:HD2	13	0.48
(1,3938)	1:65:B:LYS:HG2	1:64:B:MET:HA	10	0.48
(1,3937)	1:65:A:LYS:HG2	1:64:A:MET:HA	10	0.48
(1,3918)	1:19:B:ALA:H	1:20:B:VAL:HB	5	0.48
(1,3917)	1:19:A:ALA:H	1:20:A:VAL:HB	5	0.48
(1,3902)	1:76:B:ASP:HA	1:75:B:LEU:HB2	9	0.48
(1,3902)	1:76:B:ASP:HA	1:34:B:LEU:HB2	18	0.48
(1,3901)	1:76:A:ASP:HA	1:75:A:LEU:HB2	9	0.48
(1,3898)	1:10:B:THR:HA	1:14:B:ILE:HB	6	0.48
(1,3897)	1:10:A:THR:HA	1:14:A:ILE:HB	6	0.48
(1,3872)	1:39:B:PHE:H	1:34:B:LEU:HD12	11	0.48
(1,3871)	1:39:A:PHE:H	1:34:A:LEU:HD12	11	0.48
(1,3854)	1:79:B:GLU:HA	1:81:B:LEU:HA	11	0.48
(1,3846)	1:8:B:THR:HA	1:12:B:ARG:HG2	11	0.48
(1,3846)	1:8:B:THR:HA	1:12:B:ARG:HG2	14	0.48
(1,3846)	1:8:B:THR:HA	1:12:B:ARG:HG2	15	0.48
(1,3845)	1:8:A:THR:HA	1:12:A:ARG:HG2	11	0.48
(1,3845)	1:8:A:THR:HA	1:12:A:ARG:HG2	12	0.48
(1,3845)	1:8:A:THR:HA	1:12:A:ARG:HG2	15	0.48
(1,3845)	1:92:A:HIS:HA	1:18:B:ILE:HB	18	0.48
(1,3820)	1:47:B:LEU:HD11	1:43:B:MET:H	17	0.48
(1,3819)	1:47:A:LEU:HD11	1:43:A:MET:H	17	0.48
(1,3804)	1:41:B:SER:H	1:40:B:LEU:HG	19	0.48
(1,3803)	1:41:A:SER:H	1:40:A:LEU:HG	19	0.48
(1,3780)	1:48:B:ALA:HA	1:50:B:PHE:HB3	6	0.48
(1,3780)	1:48:B:ALA:HA	1:50:B:PHE:HB3	12	0.48
(1,3779)	1:48:A:ALA:HA	1:50:A:PHE:HB3	6	0.48
(1,3779)	1:48:A:ALA:HA	1:50:A:PHE:HB3	12	0.48
(1,3772)	1:96:B:LEU:HD21	1:93:B:ASP:HB2	5	0.48
(1,3771)	1:96:A:LEU:HD21	1:93:A:ASP:HB2	5	0.48
(1,3732)	1:25:B:ALA:HB2	1:35:B:SER:HB2	1	0.48
(1,3692)	1:13:B:CYS:HB2	1:17:A:LEU:HB3	3	0.48
(1,3684)	1:73:B:GLY:HA3	1:74:B:GLN:HB2	9	0.48
(1,3684)	1:66:B:LYS:HB3	1:64:B:MET:HA	18	0.48
(1,3683)	1:66:A:LYS:HB3	1:64:A:MET:HA	18	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3620)	1:97:B:LYS:HG3	1:93:B:ASP:HB3	10	0.48
(1,3606)	1:77:B:PHE:HB3	1:88:A:ALA:HB3	14	0.48
(1,3583)	1:77:A:PHE:HB2	1:79:A:GLU:H	8	0.48
(1,3536)	1:18:B:ILE:HB	1:91:A:CYS:HB3	18	0.48
(1,3516)	1:51:B:THR:HG22	1:50:B:PHE:HB3	20	0.48
(1,3515)	1:51:A:THR:HG22	1:50:A:PHE:HB3	20	0.48
(1,3508)	1:46:B:GLU:HB3	1:45:B:THR:HB	7	0.48
(1,3507)	1:46:A:GLU:HB3	1:45:A:THR:HB	7	0.48
(1,3506)	1:69:B:THR:HB	1:82:B:ASN:HB2	4	0.48
(1,3505)	1:69:A:THR:HB	1:82:A:ASN:HB2	4	0.48
(1,3474)	1:17:B:LEU:HG	1:21:B:PHE:H	5	0.48
(1,3470)	1:75:B:LEU:HA	1:79:B:GLU:HA	15	0.48
(1,3469)	1:75:A:LEU:HA	1:79:A:GLU:HA	15	0.48
(1,3442)	1:69:B:THR:HB	1:66:B:LYS:HG2	12	0.48
(1,3441)	1:69:A:THR:HB	1:66:A:LYS:HG2	12	0.48
(1,3419)	1:11:A:GLU:HA	1:47:B:LEU:HA	9	0.48
(1,3416)	1:83:B:LEU:HG	1:80:B:PHE:HB3	15	0.48
(1,3415)	1:83:A:LEU:HG	1:80:A:PHE:HB3	15	0.48
(1,3407)	1:11:A:GLU:HB2	1:46:B:GLU:HA	1	0.48
(1,3377)	1:8:A:THR:HG22	1:48:B:ALA:HA	9	0.48
(1,3377)	1:8:A:THR:HG21	1:48:B:ALA:HA	12	0.48
(1,3357)	1:88:A:ALA:HB2	1:14:B:ILE:HB	16	0.48
(1,3354)	1:84:B:ILE:HG21	1:14:A:ILE:HD11	11	0.48
(1,3266)	1:27:B:LYS:H	1:27:B:LYS:HB3	9	0.48
(1,3266)	1:27:B:LYS:H	1:27:B:LYS:HB3	10	0.48
(1,3266)	1:27:B:LYS:H	1:27:B:LYS:HB3	13	0.48
(1,3266)	1:27:B:LYS:H	1:27:B:LYS:HB3	20	0.48
(1,3265)	1:27:A:LYS:H	1:27:A:LYS:HB3	9	0.48
(1,3265)	1:27:A:LYS:H	1:27:A:LYS:HB3	10	0.48
(1,3265)	1:27:A:LYS:H	1:27:A:LYS:HB3	13	0.48
(1,3265)	1:27:A:LYS:H	1:27:A:LYS:HB3	20	0.48
(1,2824)	1:24:B:TYR:H	1:25:B:ALA:HB3	11	0.48
(1,2816)	1:11:B:GLU:H	1:8:B:THR:HG23	1	0.48
(1,2816)	1:11:B:GLU:H	1:8:B:THR:HG21	6	0.48
(1,2815)	1:11:A:GLU:H	1:8:A:THR:HG23	1	0.48
(1,2815)	1:11:A:GLU:H	1:8:A:THR:HG21	6	0.48
(1,2815)	1:11:A:GLU:H	1:8:A:THR:HG23	7	0.48
(1,2776)	1:50:B:PHE:H	1:47:B:LEU:HB2	2	0.48
(1,2776)	1:50:B:PHE:H	1:47:B:LEU:HB2	20	0.48
(1,2775)	1:50:A:PHE:H	1:47:A:LEU:HB2	2	0.48
(1,2775)	1:50:A:PHE:H	1:47:A:LEU:HB2	20	0.48
(1,2760)	1:34:B:LEU:H	1:34:B:LEU:HD21	9	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2759)	1:34:A:LEU:H	1:34:A:LEU:HD21	9	0.48
(1,2724)	1:78:B:SER:H	1:81:B:LEU:HD11	10	0.48
(1,2723)	1:78:A:SER:H	1:81:A:LEU:HD11	10	0.48
(1,2698)	1:27:B:LYS:H	1:25:B:ALA:HB1	5	0.48
(1,2482)	1:78:B:SER:H	1:33:B:THR:HG23	5	0.48
(1,2482)	1:78:B:SER:H	1:33:B:THR:HG21	10	0.48
(1,1940)	1:96:B:LEU:HB2	1:96:B:LEU:HD11	1	0.48
(1,1940)	1:96:B:LEU:HB2	1:96:B:LEU:HD12	8	0.48
(1,1940)	1:96:B:LEU:HB2	1:96:B:LEU:HD11	9	0.48
(1,1940)	1:96:B:LEU:HB2	1:96:B:LEU:HD13	10	0.48
(1,1940)	1:96:B:LEU:HB2	1:96:B:LEU:HD12	11	0.48
(1,1940)	1:96:B:LEU:HB2	1:96:B:LEU:HD12	15	0.48
(1,1939)	1:96:A:LEU:HB2	1:96:A:LEU:HD11	1	0.48
(1,1939)	1:96:A:LEU:HB2	1:96:A:LEU:HD12	8	0.48
(1,1939)	1:96:A:LEU:HB2	1:96:A:LEU:HD11	9	0.48
(1,1939)	1:96:A:LEU:HB2	1:96:A:LEU:HD13	10	0.48
(1,1939)	1:96:A:LEU:HB2	1:96:A:LEU:HD12	11	0.48
(1,1939)	1:96:A:LEU:HB2	1:96:A:LEU:HD12	15	0.48
(1,1928)	1:96:B:LEU:HB2	1:96:B:LEU:HD11	1	0.48
(1,1928)	1:96:B:LEU:HB2	1:96:B:LEU:HD11	6	0.48
(1,1928)	1:96:B:LEU:HB2	1:96:B:LEU:HD12	11	0.48
(1,1928)	1:96:B:LEU:HB2	1:96:B:LEU:HD12	19	0.48
(1,1927)	1:96:A:LEU:HB2	1:96:A:LEU:HD11	1	0.48
(1,1927)	1:96:A:LEU:HB2	1:96:A:LEU:HD11	6	0.48
(1,1927)	1:96:A:LEU:HB2	1:96:A:LEU:HD12	8	0.48
(1,1927)	1:96:A:LEU:HB2	1:96:A:LEU:HD12	11	0.48
(1,1927)	1:96:A:LEU:HB2	1:96:A:LEU:HD12	19	0.48
(1,1918)	1:94:B:SER:H	1:93:B:ASP:HB2	4	0.48
(1,1918)	1:94:B:SER:H	1:93:B:ASP:HB2	14	0.48
(1,1917)	1:94:A:SER:H	1:93:A:ASP:HB2	4	0.48
(1,1917)	1:94:A:SER:H	1:93:A:ASP:HB2	8	0.48
(1,1917)	1:94:A:SER:H	1:93:A:ASP:HB2	14	0.48
(1,1608)	1:47:B:LEU:HB2	1:50:B:PHE:HB3	3	0.48
(1,1607)	1:47:A:LEU:HB2	1:50:A:PHE:HB3	3	0.48
(1,1530)	1:9:B:GLU:H	1:8:B:THR:HG21	2	0.48
(1,1530)	1:9:B:GLU:H	1:8:B:THR:HG22	4	0.48
(1,1530)	1:9:B:GLU:H	1:8:B:THR:HG21	18	0.48
(1,1529)	1:9:A:GLU:H	1:8:A:THR:HG21	2	0.48
(1,1529)	1:9:A:GLU:H	1:8:A:THR:HG22	4	0.48
(1,1529)	1:9:A:GLU:H	1:8:A:THR:HG22	10	0.48
(1,1499)	1:18:A:ILE:HG22	1:22:A:GLN:HG3	14	0.48
(1,1454)	1:48:B:ALA:HA	1:51:B:THR:HG23	7	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1453)	1:48:A:ALA:HA	1:51:A:THR:HG23	7	0.48
(1,1426)	1:47:B:LEU:HD12	1:50:B:PHE:HB3	8	0.48
(1,1426)	1:47:B:LEU:HD13	1:50:B:PHE:HB3	12	0.48
(1,1426)	1:47:B:LEU:HD13	1:50:B:PHE:HB3	17	0.48
(1,1425)	1:47:A:LEU:HD12	1:50:A:PHE:HB3	8	0.48
(1,1238)	1:62:B:ARG:HB3	1:59:B:VAL:HA	3	0.48
(1,1024)	1:53:B:ASN:HA	1:52:B:LYS:HG3	14	0.48
(1,1023)	1:53:A:ASN:HA	1:52:A:LYS:HG3	14	0.48
(1,1005)	1:9:A:GLU:HG3	1:8:A:THR:HB	6	0.48
(1,941)	1:18:A:ILE:HG22	1:15:A:GLU:HB3	19	0.48
(1,884)	1:34:B:LEU:HB3	1:80:B:PHE:HB2	11	0.48
(1,883)	1:34:A:LEU:HB3	1:80:A:PHE:HB2	11	0.48
(1,856)	1:9:B:GLU:HG2	1:17:A:LEU:HD22	18	0.48
(1,855)	1:9:A:GLU:HG2	1:17:B:LEU:HD22	13	0.48
(1,855)	1:9:A:GLU:HG2	1:17:B:LEU:HD22	18	0.48
(1,836)	1:59:B:VAL:HG23	1:62:B:ARG:H	18	0.48
(1,835)	1:59:A:VAL:HG23	1:62:A:ARG:H	18	0.48
(1,692)	1:15:B:GLU:HG2	1:16:B:SER:H	9	0.48
(1,520)	1:74:B:GLN:HG3	1:75:B:LEU:HA	1	0.48
(1,520)	1:74:B:GLN:HG3	1:75:B:LEU:HA	20	0.48
(1,519)	1:74:A:GLN:HG3	1:75:A:LEU:HA	1	0.48
(1,422)	1:18:B:ILE:HG23	1:95:A:PHE:H	12	0.48
(1,422)	1:18:B:ILE:HG22	1:95:A:PHE:H	19	0.48
(1,421)	1:18:A:ILE:HG22	1:95:B:PHE:H	6	0.48
(1,412)	1:62:B:ARG:HD2	1:59:B:VAL:HG13	12	0.48
(1,382)	1:11:B:GLU:HG2	1:10:B:THR:H	18	0.48
(1,381)	1:11:A:GLU:HG2	1:10:A:THR:H	18	0.48
(2,15)	1:61:A:ASP:HB2	1:62:A:ARG:HD2	6	0.47
(2,8)	1:89:B:MET:HG3	1:77:A:PHE:HB3	13	0.47
(2,7)	1:89:A:MET:HG3	1:77:B:PHE:HB3	13	0.47
(2,7)	1:89:A:MET:HG3	1:77:B:PHE:HB3	19	0.47
(1,5722)	1:67:B:LEU:H	1:67:B:LEU:HD21	2	0.47
(1,5675)	1:61:A:ASP:H	1:60:A:LEU:HG	2	0.47
(1,5622)	1:47:B:LEU:H	1:48:B:ALA:HB2	20	0.47
(1,5534)	1:82:B:ASN:H	1:80:B:PHE:HA	20	0.47
(1,5533)	1:82:A:ASN:H	1:80:A:PHE:HA	20	0.47
(1,5530)	1:39:B:PHE:H	1:40:B:LEU:HD22	9	0.47
(1,5529)	1:39:A:PHE:H	1:40:A:LEU:HD22	9	0.47
(1,5400)	1:90:B:ALA:H	1:93:B:ASP:HB3	19	0.47
(1,5399)	1:90:A:ALA:H	1:93:A:ASP:HB3	19	0.47
(1,5320)	1:77:B:PHE:H	1:78:B:SER:HB3	3	0.47
(1,5319)	1:77:A:PHE:H	1:78:A:SER:HB3	3	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5314)	1:92:B:HIS:H	1:18:A:ILE:HG23	18	0.47
(1,5313)	1:92:A:HIS:H	1:81:B:LEU:HD13	4	0.47
(1,5295)	1:76:A:ASP:H	1:78:A:SER:HB3	8	0.47
(1,5283)	1:98:A:ALA:H	1:96:A:LEU:HD21	12	0.47
(1,5242)	1:81:B:LEU:H	1:77:B:PHE:H	19	0.47
(1,5241)	1:81:A:LEU:H	1:77:A:PHE:H	19	0.47
(1,5224)	1:21:B:PHE:H	1:25:B:ALA:HB1	12	0.47
(1,5206)	1:44:B:ASN:H	1:60:B:LEU:HB2	4	0.47
(1,5205)	1:44:A:ASN:H	1:60:A:LEU:HB2	4	0.47
(1,5204)	1:75:B:LEU:H	1:64:B:MET:HG2	18	0.47
(1,5203)	1:75:A:LEU:H	1:64:A:MET:HG2	18	0.47
(1,4974)	1:83:B:LEU:HD21	1:80:B:PHE:HA	16	0.47
(1,4973)	1:83:A:LEU:HD21	1:80:A:PHE:HA	16	0.47
(1,4897)	1:88:A:ALA:HB3	1:17:B:LEU:HD12	3	0.47
(1,4882)	1:37:B:THR:HG22	1:40:B:LEU:HB2	6	0.47
(1,4882)	1:37:B:THR:HG23	1:40:B:LEU:HB2	11	0.47
(1,4882)	1:37:B:THR:HG21	1:40:B:LEU:HB2	17	0.47
(1,4882)	1:37:B:THR:HG23	1:40:B:LEU:HB2	19	0.47
(1,4881)	1:37:A:THR:HG22	1:40:A:LEU:HB2	6	0.47
(1,4881)	1:37:A:THR:HG23	1:40:A:LEU:HB2	11	0.47
(1,4881)	1:37:A:THR:HG23	1:40:A:LEU:HB2	19	0.47
(1,4856)	1:25:B:ALA:HA	1:34:B:LEU:HD23	15	0.47
(1,4855)	1:25:A:ALA:HA	1:34:A:LEU:HD23	15	0.47
(1,4742)	1:44:B:ASN:HA	1:60:B:LEU:HD12	9	0.47
(1,4741)	1:44:A:ASN:HA	1:60:A:LEU:HD12	9	0.47
(1,4724)	1:17:B:LEU:HG	1:17:A:LEU:HG	3	0.47
(1,4723)	1:17:A:LEU:HG	1:17:B:LEU:HG	3	0.47
(1,4718)	1:87:B:LEU:HD23	1:14:A:ILE:HB	18	0.47
(1,4717)	1:87:A:LEU:HD23	1:14:B:ILE:HB	18	0.47
(1,4715)	1:17:A:LEU:HD21	1:13:B:CYS:HB2	18	0.47
(1,4710)	1:15:B:GLU:HB3	1:18:B:ILE:HB	16	0.47
(1,4709)	1:15:A:GLU:HB3	1:18:A:ILE:HB	16	0.47
(1,4675)	1:63:A:MET:HG3	1:63:A:MET:HA	15	0.47
(1,4663)	1:100:A:PRO:HD2	1:100:A:PRO:HB2	13	0.47
(1,4651)	1:37:A:THR:HG22	1:41:A:SER:H	14	0.47
(1,4640)	1:88:B:ALA:HA	1:14:A:ILE:HG12	9	0.47
(1,4630)	1:36:B:LYS:HE3	1:39:B:PHE:HB3	9	0.47
(1,4629)	1:36:A:LYS:HE3	1:39:A:PHE:HB3	9	0.47
(1,4600)	1:43:B:MET:H	1:60:B:LEU:HD12	12	0.47
(1,4599)	1:43:A:MET:H	1:60:A:LEU:HD12	12	0.47
(1,4549)	1:90:A:ALA:HB1	1:91:A:CYS:HB2	8	0.47
(1,4549)	1:90:A:ALA:HB2	1:91:A:CYS:HB3	9	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4478)	1:64:B:MET:HG3	1:36:B:LYS:HE3	5	0.47
(1,4477)	1:64:A:MET:HG3	1:36:A:LYS:HE3	5	0.47
(1,4470)	1:33:B:THR:HG21	1:79:B:GLU:H	10	0.47
(1,4469)	1:33:A:THR:HG21	1:79:A:GLU:H	10	0.47
(1,4398)	1:13:B:CYS:HB2	1:17:A:LEU:HD13	12	0.47
(1,4384)	1:11:B:GLU:HB3	1:14:B:ILE:HD13	4	0.47
(1,4334)	1:68:B:ASP:HB2	1:67:B:LEU:HB2	2	0.47
(1,4334)	1:68:B:ASP:HB2	1:67:B:LEU:HB2	14	0.47
(1,4333)	1:68:A:ASP:HB2	1:67:A:LEU:HB2	2	0.47
(1,4333)	1:68:A:ASP:HB2	1:67:A:LEU:HB2	14	0.47
(1,4326)	1:43:B:MET:H	1:60:B:LEU:HD13	9	0.47
(1,4325)	1:43:A:MET:H	1:60:A:LEU:HD13	9	0.47
(1,4301)	1:34:A:LEU:HD11	1:80:A:PHE:HB3	18	0.47
(1,4274)	1:89:B:MET:HB2	1:81:A:LEU:HD11	8	0.47
(1,4273)	1:89:A:MET:HB2	1:81:B:LEU:HD11	8	0.47
(1,4238)	1:8:B:THR:HA	1:11:B:GLU:HB2	17	0.47
(1,4238)	1:8:B:THR:HA	1:11:B:GLU:HB2	19	0.47
(1,4237)	1:8:A:THR:HA	1:11:A:GLU:HB2	5	0.47
(1,4237)	1:8:A:THR:HA	1:11:A:GLU:HB2	17	0.47
(1,4237)	1:8:A:THR:HA	1:11:A:GLU:HB2	19	0.47
(1,4200)	1:45:B:THR:HB	1:42:B:PHE:HA	6	0.47
(1,4200)	1:42:B:PHE:HA	1:39:B:PHE:HA	14	0.47
(1,4199)	1:45:A:THR:HB	1:42:A:PHE:HA	6	0.47
(1,4174)	1:67:B:LEU:HD22	1:81:B:LEU:HA	5	0.47
(1,4174)	1:67:B:LEU:HD21	1:64:B:MET:HA	17	0.47
(1,4173)	1:67:A:LEU:HD22	1:81:A:LEU:HA	5	0.47
(1,4173)	1:67:A:LEU:HD21	1:64:A:MET:HA	17	0.47
(1,4113)	1:18:A:ILE:H	1:17:A:LEU:HD13	17	0.47
(1,4090)	1:60:B:LEU:HB3	1:64:B:MET:H	9	0.47
(1,4089)	1:60:A:LEU:HB3	1:64:A:MET:H	9	0.47
(1,4064)	1:23:B:LYS:HD3	1:24:B:TYR:H	15	0.47
(1,4063)	1:23:A:LYS:HD3	1:24:A:TYR:H	8	0.47
(1,4063)	1:23:A:LYS:HD3	1:24:A:TYR:H	15	0.47
(1,4052)	1:58:B:GLY:HA3	1:57:B:PRO:HG2	8	0.47
(1,4052)	1:58:B:GLY:HA3	1:57:B:PRO:HG2	20	0.47
(1,4051)	1:58:A:GLY:HA3	1:57:A:PRO:HG2	8	0.47
(1,4051)	1:58:A:GLY:HA3	1:57:A:PRO:HG2	20	0.47
(1,4044)	1:57:B:PRO:HG2	1:61:B:ASP:HB2	18	0.47
(1,4043)	1:57:A:PRO:HG2	1:61:A:ASP:HB2	18	0.47
(1,4028)	1:99:B:VAL:HG23	1:102:B:GLN:H	1	0.47
(1,4027)	1:99:A:VAL:HG23	1:102:A:GLN:H	1	0.47
(1,4003)	1:51:A:THR:HB	1:50:A:PHE:HB2	9	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3938)	1:65:B:LYS:HG2	1:64:B:MET:HA	16	0.47
(1,3937)	1:65:A:LYS:HG2	1:64:A:MET:HA	16	0.47
(1,3918)	1:19:B:ALA:H	1:20:B:VAL:HB	1	0.47
(1,3917)	1:19:A:ALA:H	1:20:A:VAL:HB	1	0.47
(1,3914)	1:35:B:SER:HA	1:34:B:LEU:HG	5	0.47
(1,3914)	1:35:B:SER:HA	1:34:B:LEU:HG	12	0.47
(1,3913)	1:35:A:SER:HA	1:34:A:LEU:HG	5	0.47
(1,3913)	1:35:A:SER:HA	1:34:A:LEU:HG	12	0.47
(1,3901)	1:76:A:ASP:HA	1:34:A:LEU:HB2	18	0.47
(1,3890)	1:17:B:LEU:HB2	1:18:B:ILE:HB	1	0.47
(1,3889)	1:17:A:LEU:HB2	1:18:A:ILE:HB	1	0.47
(1,3876)	1:33:B:THR:HG21	1:79:B:GLU:H	10	0.47
(1,3875)	1:33:A:THR:HG21	1:79:A:GLU:H	10	0.47
(1,3854)	1:79:B:GLU:HA	1:81:B:LEU:HA	12	0.47
(1,3853)	1:79:A:GLU:HA	1:81:A:LEU:HA	12	0.47
(1,3846)	1:8:B:THR:HA	1:12:B:ARG:HG2	16	0.47
(1,3845)	1:8:A:THR:HA	1:12:A:ARG:HG2	16	0.47
(1,3834)	1:17:B:LEU:HD12	1:14:B:ILE:H	4	0.47
(1,3818)	1:92:B:HIS:H	1:89:B:MET:HG3	10	0.47
(1,3817)	1:92:A:HIS:H	1:89:A:MET:HG3	10	0.47
(1,3780)	1:48:B:ALA:HA	1:50:B:PHE:HB3	8	0.47
(1,3780)	1:48:B:ALA:HA	1:50:B:PHE:HB3	16	0.47
(1,3779)	1:48:A:ALA:HA	1:50:A:PHE:HB2	5	0.47
(1,3779)	1:48:A:ALA:HA	1:50:A:PHE:HB3	8	0.47
(1,3740)	1:11:B:GLU:HB2	1:8:B:THR:HB	17	0.47
(1,3739)	1:11:A:GLU:HB2	1:8:A:THR:HB	17	0.47
(1,3738)	1:67:B:LEU:HG	1:83:B:LEU:H	1	0.47
(1,3738)	1:67:B:LEU:HG	1:83:B:LEU:H	9	0.47
(1,3737)	1:67:A:LEU:HG	1:83:A:LEU:H	1	0.47
(1,3737)	1:67:A:LEU:HG	1:83:A:LEU:H	9	0.47
(1,3736)	1:37:B:THR:HB	1:35:B:SER:HA	7	0.47
(1,3735)	1:37:A:THR:HB	1:35:A:SER:HA	7	0.47
(1,3692)	1:13:B:CYS:HB2	1:17:A:LEU:HB3	20	0.47
(1,3680)	1:33:B:THR:HB	1:34:B:LEU:HG	2	0.47
(1,3679)	1:33:A:THR:HB	1:34:A:LEU:HG	2	0.47
(1,3654)	1:8:B:THR:HB	1:10:B:THR:HA	4	0.47
(1,3638)	1:34:B:LEU:HB3	1:24:B:TYR:HB3	3	0.47
(1,3637)	1:34:A:LEU:HB3	1:24:A:TYR:HB3	3	0.47
(1,3626)	1:34:B:LEU:HA	1:24:B:TYR:HB2	12	0.47
(1,3625)	1:34:A:LEU:HA	1:24:A:TYR:HB2	12	0.47
(1,3620)	1:65:B:LYS:HG2	1:61:B:ASP:HB3	19	0.47
(1,3619)	1:65:A:LYS:HG2	1:61:A:ASP:HB3	19	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3605)	1:77:A:PHE:HB3	1:88:B:ALA:HB3	14	0.47
(1,3584)	1:77:B:PHE:HB2	1:79:B:GLU:H	8	0.47
(1,3535)	1:18:A:ILE:HB	1:91:B:CYS:HB2	19	0.47
(1,3518)	1:51:B:THR:HB	1:44:B:ASN:HB2	20	0.47
(1,3510)	1:7:B:PRO:HB2	1:12:B:ARG:HD2	1	0.47
(1,3510)	1:7:B:PRO:HB2	1:12:B:ARG:HD3	8	0.47
(1,3509)	1:7:A:PRO:HB2	1:12:A:ARG:HD2	1	0.47
(1,3505)	1:69:A:THR:HB	1:82:A:ASN:HB2	14	0.47
(1,3473)	1:17:A:LEU:HG	1:21:A:PHE:H	5	0.47
(1,3470)	1:75:B:LEU:HA	1:79:B:GLU:HA	5	0.47
(1,3412)	1:22:B:GLN:HG3	1:100:A:PRO:HB2	14	0.47
(1,3389)	1:17:A:LEU:HD23	1:17:B:LEU:HD11	17	0.47
(1,3387)	1:17:A:LEU:HD23	1:88:B:ALA:HB2	15	0.47
(1,3382)	1:87:B:LEU:HD23	1:14:A:ILE:HB	18	0.47
(1,3381)	1:87:A:LEU:HD23	1:14:B:ILE:HB	18	0.47
(1,3353)	1:84:A:ILE:HG21	1:14:B:ILE:HD11	11	0.47
(1,3349)	1:14:A:ILE:HD12	1:88:B:ALA:HB3	11	0.47
(1,3266)	1:27:B:LYS:H	1:27:B:LYS:HB3	4	0.47
(1,3266)	1:27:B:LYS:H	1:27:B:LYS:HB3	11	0.47
(1,3266)	1:27:B:LYS:H	1:27:B:LYS:HB3	16	0.47
(1,3265)	1:27:A:LYS:H	1:27:A:LYS:HB3	11	0.47
(1,3265)	1:27:A:LYS:H	1:27:A:LYS:HB3	16	0.47
(1,3254)	1:62:B:ARG:H	1:61:B:ASP:HB2	7	0.47
(1,3254)	1:62:B:ARG:H	1:61:B:ASP:HB2	17	0.47
(1,3253)	1:62:A:ARG:H	1:61:A:ASP:HB2	4	0.47
(1,3253)	1:62:A:ARG:H	1:61:A:ASP:HB2	7	0.47
(1,3138)	1:76:B:ASP:H	1:75:B:LEU:HD22	18	0.47
(1,3137)	1:76:A:ASP:H	1:75:A:LEU:HD22	18	0.47
(1,2816)	1:11:B:GLU:H	1:8:B:THR:HG22	3	0.47
(1,2816)	1:11:B:GLU:H	1:8:B:THR:HG23	7	0.47
(1,2815)	1:11:A:GLU:H	1:8:A:THR:HG22	3	0.47
(1,2724)	1:78:B:SER:H	1:81:B:LEU:HD12	20	0.47
(1,2723)	1:78:A:SER:H	1:81:A:LEU:HD12	20	0.47
(1,2697)	1:27:A:LYS:H	1:25:A:ALA:HB1	5	0.47
(1,2481)	1:78:A:SER:H	1:33:A:THR:HG23	5	0.47
(1,1940)	1:96:B:LEU:HB2	1:96:B:LEU:HD12	2	0.47
(1,1940)	1:96:B:LEU:HB2	1:96:B:LEU:HD13	3	0.47
(1,1940)	1:96:B:LEU:HB2	1:96:B:LEU:HD12	14	0.47
(1,1939)	1:96:A:LEU:HB2	1:96:A:LEU:HD13	3	0.47
(1,1939)	1:96:A:LEU:HB2	1:96:A:LEU:HD12	14	0.47
(1,1928)	1:96:B:LEU:HB2	1:96:B:LEU:HD12	8	0.47
(1,1928)	1:96:B:LEU:HB2	1:96:B:LEU:HD11	9	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1928)	1:96:B:LEU:HB2	1:96:B:LEU:HD13	10	0.47
(1,1928)	1:96:B:LEU:HB2	1:96:B:LEU:HD12	15	0.47
(1,1927)	1:96:A:LEU:HB2	1:96:A:LEU:HD13	3	0.47
(1,1927)	1:96:A:LEU:HB2	1:96:A:LEU:HD11	9	0.47
(1,1927)	1:96:A:LEU:HB2	1:96:A:LEU:HD13	10	0.47
(1,1927)	1:96:A:LEU:HB2	1:96:A:LEU:HD12	15	0.47
(1,1918)	1:94:B:SER:H	1:93:B:ASP:HB2	8	0.47
(1,1918)	1:94:B:SER:H	1:93:B:ASP:HB2	12	0.47
(1,1917)	1:94:A:SER:H	1:93:A:ASP:HB2	12	0.47
(1,1529)	1:9:A:GLU:H	1:8:A:THR:HG21	18	0.47
(1,1425)	1:47:A:LEU:HD13	1:50:A:PHE:HB3	17	0.47
(1,1222)	1:89:B:MET:HG2	1:88:B:ALA:HB1	2	0.47
(1,1221)	1:89:A:MET:HG2	1:88:A:ALA:HB1	2	0.47
(1,1006)	1:9:B:GLU:HG3	1:8:B:THR:HB	6	0.47
(1,942)	1:18:B:ILE:HG22	1:15:B:GLU:HB3	19	0.47
(1,691)	1:15:A:GLU:HG2	1:16:A:SER:H	9	0.47
(1,520)	1:74:B:GLN:HG3	1:75:B:LEU:HA	11	0.47
(1,520)	1:74:B:GLN:HG3	1:75:B:LEU:HA	18	0.47
(1,519)	1:74:A:GLN:HG3	1:75:A:LEU:HA	18	0.47
(1,421)	1:18:A:ILE:HG23	1:95:B:PHE:H	12	0.47
(1,412)	1:62:B:ARG:HD2	1:59:B:VAL:HG11	2	0.47
(1,412)	1:62:B:ARG:HD2	1:59:B:VAL:HG12	3	0.47
(1,411)	1:62:A:ARG:HD2	1:59:A:VAL:HG11	2	0.47
(1,411)	1:62:A:ARG:HD2	1:59:A:VAL:HG12	3	0.47
(1,411)	1:62:A:ARG:HD2	1:59:A:VAL:HG13	12	0.47
(1,356)	1:60:B:LEU:HB2	1:61:B:ASP:HB3	12	0.47
(1,355)	1:60:A:LEU:HB2	1:61:A:ASP:HB3	12	0.47
(1,190)	1:46:B:GLU:HG3	1:24:B:TYR:H	18	0.47
(1,189)	1:46:A:GLU:HG3	1:24:A:TYR:H	18	0.47
(1,42)	1:81:B:LEU:HD21	1:88:A:ALA:HB2	8	0.47
(2,8)	1:89:B:MET:HG3	1:77:A:PHE:HB3	19	0.46
(1,5708)	1:14:B:ILE:H	1:14:B:ILE:HD13	4	0.46
(1,5707)	1:14:A:ILE:H	1:14:A:ILE:HD13	4	0.46
(1,5682)	1:87:B:LEU:H	1:87:B:LEU:HD11	12	0.46
(1,5682)	1:87:B:LEU:H	1:87:B:LEU:HD12	18	0.46
(1,5681)	1:87:A:LEU:H	1:87:A:LEU:HD11	12	0.46
(1,5681)	1:87:A:LEU:H	1:87:A:LEU:HD12	18	0.46
(1,5676)	1:61:B:ASP:H	1:60:B:LEU:HG	8	0.46
(1,5675)	1:61:A:ASP:H	1:60:A:LEU:HG	8	0.46
(1,5621)	1:47:A:LEU:H	1:48:A:ALA:HB2	20	0.46
(1,5534)	1:82:B:ASN:H	1:80:B:PHE:HA	5	0.46
(1,5533)	1:82:A:ASN:H	1:80:A:PHE:HA	5	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5530)	1:39:B:PHE:H	1:40:B:LEU:HD22	15	0.46
(1,5529)	1:39:A:PHE:H	1:40:A:LEU:HD22	15	0.46
(1,5529)	1:39:A:PHE:H	1:40:A:LEU:HD21	20	0.46
(1,5476)	1:50:B:PHE:H	1:47:B:LEU:HD23	17	0.46
(1,5476)	1:50:B:PHE:H	1:47:B:LEU:HD22	18	0.46
(1,5475)	1:50:A:PHE:H	1:47:A:LEU:HD23	17	0.46
(1,5460)	1:22:B:GLN:H	1:23:B:LYS:HD3	18	0.46
(1,5459)	1:22:A:GLN:H	1:23:A:LYS:HD3	18	0.46
(1,5444)	1:95:B:PHE:H	1:98:B:ALA:HB2	5	0.46
(1,5444)	1:95:B:PHE:H	1:98:B:ALA:HB2	9	0.46
(1,5443)	1:95:A:PHE:H	1:98:A:ALA:HB2	9	0.46
(1,5400)	1:90:B:ALA:H	1:93:B:ASP:HB3	11	0.46
(1,5399)	1:59:A:VAL:H	1:61:A:ASP:HB3	16	0.46
(1,5374)	1:10:B:THR:H	1:47:A:LEU:HD21	18	0.46
(1,5373)	1:10:A:THR:H	1:47:B:LEU:HD21	18	0.46
(1,5319)	1:77:A:PHE:H	1:78:A:SER:HB3	10	0.46
(1,5314)	1:92:B:HIS:H	1:81:A:LEU:HD12	13	0.46
(1,5313)	1:92:A:HIS:H	1:81:B:LEU:HD12	13	0.46
(1,5313)	1:92:A:HIS:H	1:18:B:ILE:HG23	18	0.46
(1,5296)	1:76:B:ASP:H	1:78:B:SER:HB3	8	0.46
(1,5280)	1:28:B:ASP:H	1:34:B:LEU:HD21	6	0.46
(1,5279)	1:28:A:ASP:H	1:34:A:LEU:HD21	6	0.46
(1,5276)	1:94:B:SER:H	1:96:B:LEU:HD23	8	0.46
(1,5206)	1:44:B:ASN:H	1:60:B:LEU:HB2	1	0.46
(1,5205)	1:44:A:ASN:H	1:60:A:LEU:HB2	1	0.46
(1,4937)	1:10:A:THR:HG22	1:87:B:LEU:HD21	8	0.46
(1,4780)	1:14:B:ILE:HD11	1:88:A:ALA:HA	6	0.46
(1,4756)	1:46:B:GLU:HB2	1:45:B:THR:HG23	11	0.46
(1,4755)	1:46:A:GLU:HB2	1:45:A:THR:HG23	11	0.46
(1,4742)	1:44:B:ASN:HA	1:60:B:LEU:HD12	20	0.46
(1,4741)	1:44:A:ASN:HA	1:60:A:LEU:HD12	20	0.46
(1,4652)	1:37:B:THR:HG23	1:41:B:SER:H	10	0.46
(1,4651)	1:37:A:THR:HG23	1:41:A:SER:H	10	0.46
(1,4628)	1:60:B:LEU:HD21	1:47:B:LEU:H	13	0.46
(1,4627)	1:60:A:LEU:HD21	1:47:A:LEU:H	13	0.46
(1,4622)	1:89:B:MET:HA	1:88:B:ALA:HB1	2	0.46
(1,4621)	1:89:A:MET:HA	1:88:A:ALA:HB1	2	0.46
(1,4606)	1:75:B:LEU:HD12	1:83:B:LEU:HB2	4	0.46
(1,4605)	1:75:A:LEU:HD12	1:83:A:LEU:HB2	4	0.46
(1,4604)	1:47:B:LEU:HD11	1:42:B:PHE:HA	7	0.46
(1,4603)	1:47:A:LEU:HD11	1:42:A:PHE:HA	7	0.46
(1,4578)	1:65:B:LYS:HD3	1:68:B:ASP:HA	6	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4577)	1:65:A:LYS:HD3	1:68:A:ASP:HA	6	0.46
(1,4566)	1:65:B:LYS:HD3	1:68:B:ASP:HA	6	0.46
(1,4565)	1:65:A:LYS:HD3	1:68:A:ASP:HA	6	0.46
(1,4550)	1:90:B:ALA:HB1	1:91:B:CYS:HB2	8	0.46
(1,4550)	1:90:B:ALA:HB2	1:91:B:CYS:HB3	9	0.46
(1,4548)	1:50:B:PHE:HB2	1:47:B:LEU:HD23	11	0.46
(1,4548)	1:50:B:PHE:HB2	1:47:B:LEU:HD22	18	0.46
(1,4547)	1:50:A:PHE:HB2	1:47:A:LEU:HD23	11	0.46
(1,4450)	1:69:B:THR:HG22	1:70:B:ASN:HB3	15	0.46
(1,4422)	1:42:B:PHE:HA	1:45:B:THR:HG23	13	0.46
(1,4407)	1:91:A:CYS:HA	1:90:A:ALA:HB2	9	0.46
(1,4358)	1:48:B:ALA:HA	1:52:B:LYS:HD2	11	0.46
(1,4357)	1:48:A:ALA:HA	1:52:A:LYS:HD2	11	0.46
(1,4320)	1:65:B:LYS:HD3	1:68:B:ASP:HA	6	0.46
(1,4319)	1:65:A:LYS:HD3	1:68:A:ASP:HA	6	0.46
(1,4302)	1:34:B:LEU:HD11	1:80:B:PHE:HB3	18	0.46
(1,4270)	1:25:B:ALA:HB1	1:24:B:TYR:HB2	11	0.46
(1,4269)	1:25:A:ALA:HB1	1:24:A:TYR:HB2	11	0.46
(1,4192)	1:61:B:ASP:HB3	1:40:B:LEU:HD21	16	0.46
(1,4188)	1:11:B:GLU:HA	1:13:B:CYS:HA	2	0.46
(1,4188)	1:11:B:GLU:HA	1:13:B:CYS:HA	17	0.46
(1,4187)	1:11:A:GLU:HA	1:13:A:CYS:HA	2	0.46
(1,4187)	1:11:A:GLU:HA	1:13:A:CYS:HA	13	0.46
(1,4187)	1:11:A:GLU:HA	1:13:A:CYS:HA	17	0.46
(1,4184)	1:13:B:CYS:HA	1:17:B:LEU:HG	17	0.46
(1,4183)	1:13:A:CYS:HA	1:17:A:LEU:HG	17	0.46
(1,4177)	1:8:A:THR:HG22	1:46:B:GLU:H	19	0.46
(1,4171)	1:24:A:TYR:HB2	1:27:A:LYS:HD3	16	0.46
(1,4154)	1:82:B:ASN:HA	1:81:B:LEU:HB2	2	0.46
(1,4153)	1:82:A:ASN:HA	1:81:A:LEU:HB2	2	0.46
(1,4104)	1:42:B:PHE:HA	1:20:B:VAL:HB	2	0.46
(1,4104)	1:42:B:PHE:HA	1:20:B:VAL:HB	14	0.46
(1,4103)	1:42:A:PHE:HA	1:20:A:VAL:HB	2	0.46
(1,4103)	1:42:A:PHE:HA	1:20:A:VAL:HB	14	0.46
(1,4090)	1:60:B:LEU:HB3	1:64:B:MET:H	11	0.46
(1,4090)	1:60:B:LEU:HB3	1:64:B:MET:H	14	0.46
(1,4089)	1:60:A:LEU:HB3	1:64:A:MET:H	11	0.46
(1,4089)	1:60:A:LEU:HB3	1:64:A:MET:H	14	0.46
(1,4072)	1:97:B:LYS:HD2	1:94:B:SER:H	10	0.46
(1,4071)	1:97:A:LYS:HD2	1:94:A:SER:H	10	0.46
(1,4064)	1:23:B:LYS:HD3	1:24:B:TYR:H	8	0.46
(1,4064)	1:23:B:LYS:HD3	1:24:B:TYR:H	10	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4063)	1:23:A:LYS:HD3	1:24:A:TYR:H	10	0.46
(1,4052)	1:58:B:GLY:HA3	1:57:B:PRO:HG2	1	0.46
(1,4046)	1:11:B:GLU:HB2	1:10:B:THR:HG23	5	0.46
(1,4024)	1:83:B:LEU:HB3	1:82:B:ASN:HB2	6	0.46
(1,4023)	1:83:A:LEU:HB3	1:82:A:ASN:HB2	6	0.46
(1,4013)	1:66:A:LYS:H	1:66:A:LYS:HD2	17	0.46
(1,4004)	1:51:B:THR:HB	1:50:B:PHE:HB2	9	0.46
(1,3929)	1:74:A:GLN:HA	1:34:A:LEU:HB3	10	0.46
(1,3914)	1:35:B:SER:HA	1:34:B:LEU:HG	2	0.46
(1,3914)	1:35:B:SER:HA	1:34:B:LEU:HG	7	0.46
(1,3913)	1:35:A:SER:HA	1:34:A:LEU:HG	2	0.46
(1,3913)	1:35:A:SER:HA	1:34:A:LEU:HG	7	0.46
(1,3833)	1:17:A:LEU:HD12	1:14:A:ILE:H	4	0.46
(1,3786)	1:89:B:MET:HG3	1:87:B:LEU:H	5	0.46
(1,3785)	1:89:A:MET:HG3	1:87:A:LEU:H	5	0.46
(1,3780)	1:48:B:ALA:HA	1:50:B:PHE:HB2	5	0.46
(1,3779)	1:48:A:ALA:HA	1:50:A:PHE:HB3	16	0.46
(1,3738)	1:67:B:LEU:HG	1:83:B:LEU:H	4	0.46
(1,3737)	1:67:A:LEU:HG	1:83:A:LEU:H	4	0.46
(1,3737)	1:67:A:LEU:HG	1:83:A:LEU:H	14	0.46
(1,3691)	1:13:A:CYS:HB2	1:17:B:LEU:HB3	20	0.46
(1,3678)	1:74:B:GLN:HG2	1:34:B:LEU:HA	13	0.46
(1,3677)	1:74:A:GLN:HG2	1:34:A:LEU:HA	13	0.46
(1,3654)	1:8:B:THR:HB	1:10:B:THR:HA	13	0.46
(1,3653)	1:8:A:THR:HB	1:10:A:THR:HA	4	0.46
(1,3653)	1:8:A:THR:HB	1:10:A:THR:HA	13	0.46
(1,3652)	1:47:B:LEU:HD21	1:10:A:THR:H	17	0.46
(1,3626)	1:34:B:LEU:HA	1:24:B:TYR:HB2	18	0.46
(1,3625)	1:34:A:LEU:HA	1:24:A:TYR:HB2	18	0.46
(1,3620)	1:65:B:LYS:HG2	1:61:B:ASP:HB3	1	0.46
(1,3619)	1:65:A:LYS:HG2	1:61:A:ASP:HB3	1	0.46
(1,3518)	1:51:B:THR:HB	1:44:B:ASN:HB2	16	0.46
(1,3517)	1:51:A:THR:HB	1:44:A:ASN:HB2	16	0.46
(1,3517)	1:51:A:THR:HB	1:44:A:ASN:HB2	20	0.46
(1,3516)	1:51:B:THR:HG23	1:50:B:PHE:HB3	12	0.46
(1,3515)	1:51:A:THR:HG23	1:50:A:PHE:HB3	12	0.46
(1,3509)	1:7:A:PRO:HB2	1:12:A:ARG:HD3	8	0.46
(1,3506)	1:69:B:THR:HB	1:82:B:ASN:HB2	14	0.46
(1,3474)	1:17:B:LEU:HG	1:21:B:PHE:H	12	0.46
(1,3473)	1:17:A:LEU:HG	1:21:A:PHE:H	7	0.46
(1,3473)	1:17:A:LEU:HG	1:21:A:PHE:H	12	0.46
(1,3469)	1:75:A:LEU:HA	1:79:A:GLU:HA	5	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3468)	1:75:B:LEU:HB3	1:33:B:THR:HA	5	0.46
(1,3467)	1:75:A:LEU:HB3	1:33:A:THR:HA	5	0.46
(1,3442)	1:69:B:THR:HB	1:66:B:LYS:HG2	8	0.46
(1,3441)	1:69:A:THR:HB	1:66:A:LYS:HG2	8	0.46
(1,3411)	1:22:A:GLN:HG3	1:100:B:PRO:HB2	14	0.46
(1,3410)	1:100:B:PRO:HB2	1:22:A:GLN:HB2	20	0.46
(1,3409)	1:100:A:PRO:HB2	1:22:B:GLN:HB2	20	0.46
(1,3391)	1:17:A:LEU:HD11	1:13:B:CYS:HA	19	0.46
(1,3390)	1:17:B:LEU:HD23	1:17:A:LEU:HD11	17	0.46
(1,3388)	1:17:B:LEU:HD23	1:88:A:ALA:HB2	15	0.46
(1,3383)	1:20:A:VAL:HG13	1:10:B:THR:HB	16	0.46
(1,3378)	1:8:B:THR:HG22	1:48:A:ALA:HA	9	0.46
(1,3378)	1:8:B:THR:HG21	1:48:A:ALA:HA	12	0.46
(1,3377)	1:8:A:THR:HG21	1:48:B:ALA:HA	14	0.46
(1,3371)	1:10:A:THR:HG22	1:87:B:LEU:HD21	8	0.46
(1,3362)	1:19:B:ALA:HB1	1:9:A:GLU:HA	18	0.46
(1,3360)	1:19:B:ALA:HB1	1:9:A:GLU:HA	18	0.46
(1,3350)	1:14:B:ILE:HD12	1:88:A:ALA:HB3	11	0.46
(1,3266)	1:27:B:LYS:H	1:27:B:LYS:HB3	5	0.46
(1,3266)	1:27:B:LYS:H	1:27:B:LYS:HB3	6	0.46
(1,3266)	1:27:B:LYS:H	1:27:B:LYS:HB3	7	0.46
(1,3266)	1:27:B:LYS:H	1:27:B:LYS:HB3	14	0.46
(1,3266)	1:27:B:LYS:H	1:27:B:LYS:HB3	15	0.46
(1,3266)	1:27:B:LYS:H	1:27:B:LYS:HB3	17	0.46
(1,3265)	1:27:A:LYS:H	1:27:A:LYS:HB3	4	0.46
(1,3265)	1:27:A:LYS:H	1:27:A:LYS:HB3	5	0.46
(1,3265)	1:27:A:LYS:H	1:27:A:LYS:HB3	7	0.46
(1,3265)	1:27:A:LYS:H	1:27:A:LYS:HB3	14	0.46
(1,3265)	1:27:A:LYS:H	1:27:A:LYS:HB3	15	0.46
(1,3265)	1:27:A:LYS:H	1:27:A:LYS:HB3	17	0.46
(1,3254)	1:62:B:ARG:H	1:61:B:ASP:HB2	4	0.46
(1,3254)	1:62:B:ARG:H	1:61:B:ASP:HB2	5	0.46
(1,3254)	1:62:B:ARG:H	1:61:B:ASP:HB2	15	0.46
(1,3253)	1:62:A:ARG:H	1:61:A:ASP:HB2	5	0.46
(1,3253)	1:62:A:ARG:H	1:61:A:ASP:HB2	15	0.46
(1,3253)	1:62:A:ARG:H	1:61:A:ASP:HB2	17	0.46
(1,3138)	1:76:B:ASP:H	1:75:B:LEU:HD21	4	0.46
(1,3138)	1:76:B:ASP:H	1:75:B:LEU:HD23	11	0.46
(1,3137)	1:76:A:ASP:H	1:75:A:LEU:HD21	4	0.46
(1,3137)	1:76:A:ASP:H	1:75:A:LEU:HD23	11	0.46
(1,3024)	1:76:B:ASP:H	1:75:B:LEU:HB2	5	0.46
(1,3023)	1:76:A:ASP:H	1:75:A:LEU:HB2	5	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2824)	1:24:B:TYR:H	1:25:B:ALA:HB3	1	0.46
(1,2824)	1:24:B:TYR:H	1:25:B:ALA:HB1	5	0.46
(1,2823)	1:24:A:TYR:H	1:25:A:ALA:HB3	1	0.46
(1,2823)	1:24:A:TYR:H	1:25:A:ALA:HB1	5	0.46
(1,2816)	1:11:B:GLU:H	1:8:B:THR:HG22	13	0.46
(1,2815)	1:11:A:GLU:H	1:8:A:THR:HG22	13	0.46
(1,2776)	1:50:B:PHE:H	1:47:B:LEU:HB2	8	0.46
(1,2776)	1:50:B:PHE:H	1:47:B:LEU:HB2	13	0.46
(1,2776)	1:50:B:PHE:H	1:47:B:LEU:HB2	18	0.46
(1,2775)	1:50:A:PHE:H	1:47:A:LEU:HB2	8	0.46
(1,2775)	1:50:A:PHE:H	1:47:A:LEU:HB2	13	0.46
(1,2775)	1:50:A:PHE:H	1:47:A:LEU:HB2	18	0.46
(1,2517)	1:41:A:SER:H	1:34:A:LEU:HD22	16	0.46
(1,1944)	1:42:B:PHE:HA	1:27:B:LYS:HE3	15	0.46
(1,1943)	1:42:A:PHE:HA	1:27:A:LYS:HE3	15	0.46
(1,1939)	1:96:A:LEU:HB2	1:96:A:LEU:HD12	2	0.46
(1,1939)	1:96:A:LEU:HB2	1:96:A:LEU:HD13	20	0.46
(1,1928)	1:96:B:LEU:HB2	1:96:B:LEU:HD12	2	0.46
(1,1928)	1:96:B:LEU:HB2	1:96:B:LEU:HD13	3	0.46
(1,1928)	1:96:B:LEU:HB2	1:96:B:LEU:HD12	14	0.46
(1,1927)	1:96:A:LEU:HB2	1:96:A:LEU:HD12	2	0.46
(1,1927)	1:96:A:LEU:HB2	1:96:A:LEU:HD12	14	0.46
(1,1608)	1:47:B:LEU:HB2	1:50:B:PHE:HB3	6	0.46
(1,1607)	1:47:A:LEU:HB2	1:50:A:PHE:HB3	6	0.46
(1,1607)	1:47:A:LEU:HB2	1:50:A:PHE:HB3	8	0.46
(1,1530)	1:9:B:GLU:H	1:8:B:THR:HG21	11	0.46
(1,1426)	1:47:B:LEU:HD13	1:50:B:PHE:HB3	10	0.46
(1,1425)	1:47:A:LEU:HD13	1:50:A:PHE:HB3	10	0.46
(1,1308)	1:75:B:LEU:HD12	1:75:B:LEU:HA	14	0.46
(1,1307)	1:75:A:LEU:HD12	1:75:A:LEU:HA	14	0.46
(1,1024)	1:53:B:ASN:HA	1:52:B:LYS:HG3	2	0.46
(1,1023)	1:53:A:ASN:HA	1:52:A:LYS:HG3	2	0.46
(1,972)	1:10:B:THR:HA	1:9:B:GLU:HG2	16	0.46
(1,971)	1:10:A:THR:HA	1:9:A:GLU:HG2	16	0.46
(1,692)	1:15:B:GLU:HG2	1:16:B:SER:H	12	0.46
(1,691)	1:15:A:GLU:HG2	1:16:A:SER:H	12	0.46
(1,566)	1:25:B:ALA:HB1	1:33:B:THR:HG22	17	0.46
(1,565)	1:25:A:ALA:HB1	1:33:A:THR:HG22	17	0.46
(1,519)	1:74:A:GLN:HG3	1:75:A:LEU:HA	11	0.46
(1,484)	1:14:B:ILE:HB	1:10:B:THR:HG21	1	0.46
(1,483)	1:14:A:ILE:HB	1:10:A:THR:HG21	1	0.46
(1,432)	1:48:B:ALA:HB3	1:44:B:ASN:HB3	13	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,431)	1:48:A:ALA:HB3	1:44:A:ASN:HB3	13	0.46
(1,422)	1:18:B:ILE:HG22	1:95:A:PHE:H	6	0.46
(1,356)	1:60:B:LEU:HB2	1:61:B:ASP:HB3	20	0.46
(1,304)	1:22:B:GLN:HB2	1:18:B:ILE:H	10	0.46
(1,303)	1:22:A:GLN:HB2	1:18:A:ILE:H	10	0.46
(1,301)	1:22:A:GLN:HB3	1:25:A:ALA:HB1	9	0.46
(1,82)	1:22:B:GLN:HB2	1:100:A:PRO:HB2	20	0.46
(1,81)	1:22:A:GLN:HB2	1:100:B:PRO:HB2	20	0.46
(1,41)	1:81:A:LEU:HD21	1:88:B:ALA:HB2	8	0.46
(1,12)	1:18:B:ILE:HG23	1:94:A:SER:HB3	9	0.46
(1,5530)	1:39:B:PHE:H	1:40:B:LEU:HD21	20	0.45
(1,5498)	1:76:B:ASP:H	1:72:B:ASP:HB3	17	0.45
(1,5497)	1:76:A:ASP:H	1:72:A:ASP:HB3	17	0.45
(1,5476)	1:50:B:PHE:H	1:47:B:LEU:HD23	9	0.45
(1,5475)	1:50:A:PHE:H	1:47:A:LEU:HD23	9	0.45
(1,5475)	1:50:A:PHE:H	1:47:A:LEU:HD22	18	0.45
(1,5459)	1:22:A:GLN:H	1:20:A:VAL:HG23	20	0.45
(1,5444)	1:95:B:PHE:H	1:98:B:ALA:HB3	1	0.45
(1,5444)	1:95:B:PHE:H	1:98:B:ALA:HB1	4	0.45
(1,5444)	1:95:B:PHE:H	1:98:B:ALA:HB3	18	0.45
(1,5443)	1:95:A:PHE:H	1:98:A:ALA:HB3	1	0.45
(1,5443)	1:95:A:PHE:H	1:98:A:ALA:HB1	4	0.45
(1,5443)	1:95:A:PHE:H	1:98:A:ALA:HB2	5	0.45
(1,5443)	1:95:A:PHE:H	1:98:A:ALA:HB3	18	0.45
(1,5400)	1:59:B:VAL:H	1:61:B:ASP:HB3	16	0.45
(1,5399)	1:90:A:ALA:H	1:93:A:ASP:HB3	11	0.45
(1,5356)	1:19:B:ALA:H	1:17:B:LEU:HB2	5	0.45
(1,5355)	1:19:A:ALA:H	1:17:A:LEU:HB2	5	0.45
(1,5320)	1:77:B:PHE:H	1:78:B:SER:HB3	10	0.45
(1,5314)	1:92:B:HIS:H	1:81:A:LEU:HD11	5	0.45
(1,5313)	1:92:A:HIS:H	1:96:A:LEU:HD21	5	0.45
(1,5276)	1:94:B:SER:H	1:96:B:LEU:HD21	14	0.45
(1,5275)	1:94:A:SER:H	1:96:A:LEU:HD23	8	0.45
(1,5275)	1:94:A:SER:H	1:96:A:LEU:HD21	14	0.45
(1,5242)	1:81:B:LEU:H	1:77:B:PHE:H	16	0.45
(1,5242)	1:81:B:LEU:H	1:77:B:PHE:H	20	0.45
(1,5241)	1:81:A:LEU:H	1:77:A:PHE:H	16	0.45
(1,5241)	1:81:A:LEU:H	1:77:A:PHE:H	20	0.45
(1,5224)	1:21:B:PHE:H	1:25:B:ALA:HB2	17	0.45
(1,5223)	1:21:A:PHE:H	1:25:A:ALA:HB2	17	0.45
(1,5205)	1:44:A:ASN:H	1:60:A:LEU:HB2	5	0.45
(1,5201)	1:40:A:LEU:H	1:64:A:MET:HG2	1	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5030)	1:62:B:ARG:HG3	1:62:B:ARG:HA	5	0.45
(1,5029)	1:62:A:ARG:HG3	1:62:A:ARG:HA	5	0.45
(1,4882)	1:37:B:THR:HG22	1:40:B:LEU:HB2	2	0.45
(1,4881)	1:37:A:THR:HG22	1:40:A:LEU:HB2	2	0.45
(1,4790)	1:66:B:LYS:HB3	1:67:B:LEU:HD22	6	0.45
(1,4780)	1:14:B:ILE:HD13	1:88:A:ALA:HA	5	0.45
(1,4779)	1:14:A:ILE:HD13	1:88:B:ALA:HA	5	0.45
(1,4779)	1:14:A:ILE:HD11	1:88:B:ALA:HA	6	0.45
(1,4724)	1:17:B:LEU:HG	1:17:A:LEU:HG	13	0.45
(1,4724)	1:17:B:LEU:HG	1:17:A:LEU:HG	18	0.45
(1,4723)	1:17:A:LEU:HG	1:17:B:LEU:HG	13	0.45
(1,4723)	1:17:A:LEU:HG	1:17:B:LEU:HG	18	0.45
(1,4676)	1:89:B:MET:HG3	1:78:A:SER:HB2	18	0.45
(1,4675)	1:89:A:MET:HG3	1:78:B:SER:HB2	18	0.45
(1,4670)	1:87:B:LEU:HG	1:47:B:LEU:HD13	14	0.45
(1,4669)	1:87:A:LEU:HG	1:47:A:LEU:HD13	14	0.45
(1,4664)	1:100:B:PRO:HD2	1:100:B:PRO:HB2	19	0.45
(1,4663)	1:100:A:PRO:HD2	1:100:A:PRO:HB2	19	0.45
(1,4639)	1:88:A:ALA:HA	1:14:B:ILE:HG12	9	0.45
(1,4622)	1:89:B:MET:HA	1:88:B:ALA:HB2	3	0.45
(1,4622)	1:89:B:MET:HA	1:88:B:ALA:HB3	8	0.45
(1,4622)	1:89:B:MET:HA	1:88:B:ALA:HB1	10	0.45
(1,4622)	1:89:B:MET:HA	1:88:B:ALA:HB2	11	0.45
(1,4622)	1:89:B:MET:HA	1:88:B:ALA:HB2	19	0.45
(1,4621)	1:89:A:MET:HA	1:88:A:ALA:HB2	3	0.45
(1,4621)	1:89:A:MET:HA	1:88:A:ALA:HB3	8	0.45
(1,4621)	1:89:A:MET:HA	1:88:A:ALA:HB1	10	0.45
(1,4621)	1:89:A:MET:HA	1:88:A:ALA:HB2	11	0.45
(1,4621)	1:89:A:MET:HA	1:88:A:ALA:HB2	19	0.45
(1,4604)	1:47:B:LEU:HD11	1:42:B:PHE:HA	3	0.45
(1,4603)	1:47:A:LEU:HD11	1:42:A:PHE:HA	3	0.45
(1,4600)	1:43:B:MET:H	1:60:B:LEU:HD11	13	0.45
(1,4599)	1:43:A:MET:H	1:60:A:LEU:HD11	13	0.45
(1,4578)	1:65:B:LYS:HD3	1:68:B:ASP:HA	15	0.45
(1,4577)	1:65:A:LYS:HD3	1:68:A:ASP:HA	15	0.45
(1,4566)	1:65:B:LYS:HD3	1:68:B:ASP:HA	15	0.45
(1,4565)	1:65:A:LYS:HD3	1:68:A:ASP:HA	15	0.45
(1,4548)	1:50:B:PHE:HB3	1:47:B:LEU:HD23	20	0.45
(1,4547)	1:50:A:PHE:HB2	1:47:A:LEU:HD22	18	0.45
(1,4547)	1:50:A:PHE:HB3	1:47:A:LEU:HD23	20	0.45
(1,4459)	1:20:A:VAL:HG21	1:81:A:LEU:HD21	17	0.45
(1,4449)	1:69:A:THR:HG22	1:70:A:ASN:HB3	15	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4440)	1:49:B:ALA:HB1	1:50:B:PHE:HB2	9	0.45
(1,4439)	1:49:A:ALA:HB1	1:50:A:PHE:HB2	9	0.45
(1,4421)	1:42:A:PHE:HA	1:45:A:THR:HG23	13	0.45
(1,4408)	1:91:B:CYS:HA	1:90:B:ALA:HB2	9	0.45
(1,4384)	1:11:B:GLU:HB3	1:14:B:ILE:HD12	17	0.45
(1,4334)	1:68:B:ASP:HB2	1:67:B:LEU:HB2	7	0.45
(1,4333)	1:68:A:ASP:HB2	1:67:A:LEU:HB2	7	0.45
(1,4320)	1:65:B:LYS:HD3	1:68:B:ASP:HA	15	0.45
(1,4319)	1:65:A:LYS:HD3	1:68:A:ASP:HA	15	0.45
(1,4278)	1:16:B:SER:HA	1:15:B:GLU:HB2	13	0.45
(1,4277)	1:16:A:SER:HA	1:15:A:GLU:HB2	13	0.45
(1,4238)	1:8:B:THR:HA	1:11:B:GLU:HB2	16	0.45
(1,4237)	1:8:A:THR:HA	1:11:A:GLU:HB2	16	0.45
(1,4191)	1:61:A:ASP:HB3	1:40:A:LEU:HD21	16	0.45
(1,4188)	1:11:B:GLU:HA	1:13:B:CYS:HA	11	0.45
(1,4188)	1:11:B:GLU:HA	1:13:B:CYS:HA	13	0.45
(1,4188)	1:11:B:GLU:HA	1:13:B:CYS:HA	18	0.45
(1,4187)	1:11:A:GLU:HA	1:13:A:CYS:HA	11	0.45
(1,4187)	1:11:A:GLU:HA	1:13:A:CYS:HA	18	0.45
(1,4172)	1:24:B:TYR:HB2	1:27:B:LYS:HD3	16	0.45
(1,4172)	1:44:B:ASN:HB2	1:43:B:MET:HB2	20	0.45
(1,4171)	1:44:A:ASN:HB2	1:43:A:MET:HB2	20	0.45
(1,4102)	1:36:B:LYS:HD3	1:65:B:LYS:H	14	0.45
(1,4102)	1:36:B:LYS:HD3	1:65:B:LYS:H	19	0.45
(1,4101)	1:36:A:LYS:HD3	1:65:A:LYS:H	14	0.45
(1,4101)	1:36:A:LYS:HD3	1:65:A:LYS:H	19	0.45
(1,4090)	1:60:B:LEU:HB3	1:64:B:MET:H	13	0.45
(1,4090)	1:60:B:LEU:HB3	1:64:B:MET:H	15	0.45
(1,4089)	1:60:A:LEU:HB3	1:64:A:MET:H	15	0.45
(1,4064)	1:23:B:LYS:HD3	1:24:B:TYR:H	2	0.45
(1,4051)	1:58:A:GLY:HA3	1:57:A:PRO:HG2	1	0.45
(1,4045)	1:11:A:GLU:HB2	1:10:A:THR:HG23	5	0.45
(1,4034)	1:21:B:PHE:H	1:19:B:ALA:HA	19	0.45
(1,4033)	1:21:A:PHE:H	1:19:A:ALA:HA	5	0.45
(1,4033)	1:21:A:PHE:H	1:19:A:ALA:HA	19	0.45
(1,4014)	1:66:B:LYS:H	1:66:B:LYS:HD3	12	0.45
(1,4014)	1:66:B:LYS:H	1:66:B:LYS:HD2	17	0.45
(1,4013)	1:66:A:LYS:H	1:66:A:LYS:HD3	12	0.45
(1,3972)	1:34:B:LEU:HD12	1:80:B:PHE:HB3	16	0.45
(1,3971)	1:34:A:LEU:HD12	1:80:A:PHE:HB3	16	0.45
(1,3940)	1:75:B:LEU:HD13	1:67:B:LEU:H	16	0.45
(1,3939)	1:75:A:LEU:HD13	1:67:A:LEU:H	16	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3938)	1:65:B:LYS:HG2	1:64:B:MET:HA	19	0.45
(1,3937)	1:65:A:LYS:HG2	1:64:A:MET:HA	19	0.45
(1,3930)	1:74:B:GLN:HA	1:34:B:LEU:HB3	10	0.45
(1,3914)	1:35:B:SER:HA	1:34:B:LEU:HG	16	0.45
(1,3913)	1:35:A:SER:HA	1:34:A:LEU:HG	16	0.45
(1,3890)	1:17:B:LEU:HB2	1:18:B:ILE:HB	20	0.45
(1,3889)	1:17:A:LEU:HB2	1:18:A:ILE:HB	20	0.45
(1,3842)	1:89:B:MET:HG3	1:86:B:GLY:H	7	0.45
(1,3841)	1:89:A:MET:HG3	1:86:A:GLY:H	7	0.45
(1,3834)	1:17:B:LEU:HD13	1:14:B:ILE:H	6	0.45
(1,3833)	1:17:A:LEU:HD13	1:14:A:ILE:H	6	0.45
(1,3800)	1:47:B:LEU:HA	1:87:B:LEU:HD22	16	0.45
(1,3799)	1:47:A:LEU:HA	1:87:A:LEU:HD22	16	0.45
(1,3786)	1:63:B:MET:HG3	1:61:B:ASP:H	8	0.45
(1,3786)	1:89:B:MET:HG3	1:87:B:LEU:H	20	0.45
(1,3785)	1:63:A:MET:HG3	1:61:A:ASP:H	8	0.45
(1,3785)	1:89:A:MET:HG3	1:87:A:LEU:H	20	0.45
(1,3738)	1:67:B:LEU:HG	1:83:B:LEU:H	14	0.45
(1,3738)	1:67:B:LEU:HG	1:83:B:LEU:H	20	0.45
(1,3737)	1:67:A:LEU:HG	1:83:A:LEU:H	20	0.45
(1,3726)	1:46:B:GLU:HB2	1:20:B:VAL:HG11	12	0.45
(1,3725)	1:46:A:GLU:HB2	1:20:A:VAL:HG11	12	0.45
(1,3691)	1:13:A:CYS:HB2	1:17:B:LEU:HB3	3	0.45
(1,3656)	1:48:B:ALA:HB1	1:11:A:GLU:HG3	20	0.45
(1,3608)	1:37:B:THR:HG22	1:39:B:PHE:H	1	0.45
(1,3607)	1:37:A:THR:HG22	1:39:A:PHE:H	1	0.45
(1,3596)	1:13:B:CYS:HB2	1:20:A:VAL:HG12	17	0.45
(1,3595)	1:13:A:CYS:HB2	1:20:B:VAL:HG12	17	0.45
(1,3578)	1:51:B:THR:HB	1:44:B:ASN:HB3	11	0.45
(1,3536)	1:18:B:ILE:HB	1:91:A:CYS:HB2	9	0.45
(1,3518)	1:51:B:THR:HB	1:44:B:ASN:HB2	2	0.45
(1,3517)	1:51:A:THR:HB	1:44:A:ASN:HB2	2	0.45
(1,3492)	1:65:B:LYS:HG2	1:61:B:ASP:HB3	13	0.45
(1,3474)	1:17:B:LEU:HG	1:21:B:PHE:H	7	0.45
(1,3470)	1:75:B:LEU:HA	1:79:B:GLU:HA	19	0.45
(1,3469)	1:75:A:LEU:HA	1:79:A:GLU:HA	19	0.45
(1,3448)	1:35:B:SER:HA	1:28:B:ASP:HB3	19	0.45
(1,3447)	1:35:A:SER:HA	1:28:A:ASP:HB3	19	0.45
(1,3420)	1:11:B:GLU:HA	1:47:A:LEU:HA	7	0.45
(1,3407)	1:11:A:GLU:HB2	1:46:B:GLU:HA	6	0.45
(1,3387)	1:17:A:LEU:HD22	1:88:B:ALA:HB1	4	0.45
(1,3384)	1:20:B:VAL:HG13	1:10:A:THR:HB	16	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3378)	1:8:B:THR:HG21	1:48:A:ALA:HA	14	0.45
(1,3361)	1:19:A:ALA:HB1	1:9:B:GLU:HA	18	0.45
(1,3359)	1:19:A:ALA:HB1	1:9:B:GLU:HA	18	0.45
(1,3265)	1:27:A:LYS:H	1:27:A:LYS:HB3	6	0.45
(1,3254)	1:62:B:ARG:H	1:61:B:ASP:HB2	6	0.45
(1,3254)	1:62:B:ARG:H	1:61:B:ASP:HB2	18	0.45
(1,3138)	1:76:B:ASP:H	1:75:B:LEU:HD23	13	0.45
(1,3137)	1:76:A:ASP:H	1:75:A:LEU:HD23	13	0.45
(1,2824)	1:24:B:TYR:H	1:25:B:ALA:HB2	13	0.45
(1,2823)	1:24:A:TYR:H	1:25:A:ALA:HB2	13	0.45
(1,2725)	1:77:A:PHE:H	1:33:A:THR:HG23	3	0.45
(1,2697)	1:27:A:LYS:H	1:25:A:ALA:HB1	8	0.45
(1,2674)	1:92:B:HIS:H	1:14:A:ILE:HG21	16	0.45
(1,2673)	1:92:A:HIS:H	1:14:B:ILE:HG21	16	0.45
(1,2518)	1:41:B:SER:H	1:34:B:LEU:HD22	16	0.45
(1,1944)	1:42:B:PHE:HA	1:27:B:LYS:HE3	17	0.45
(1,1943)	1:42:A:PHE:HA	1:27:A:LYS:HE3	17	0.45
(1,1940)	1:96:B:LEU:HB2	1:96:B:LEU:HD13	20	0.45
(1,1928)	1:96:B:LEU:HB2	1:96:B:LEU:HD13	20	0.45
(1,1927)	1:96:A:LEU:HB2	1:96:A:LEU:HD13	20	0.45
(1,1740)	1:23:B:LYS:HE2	1:8:A:THR:HB	9	0.45
(1,1739)	1:23:A:LYS:HE2	1:8:B:THR:HB	1	0.45
(1,1739)	1:23:A:LYS:HE2	1:8:B:THR:HB	7	0.45
(1,1681)	1:50:A:PHE:HB2	1:47:A:LEU:HD23	16	0.45
(1,1608)	1:47:B:LEU:HB2	1:50:B:PHE:HB2	5	0.45
(1,1608)	1:47:B:LEU:HB2	1:50:B:PHE:HB3	8	0.45
(1,1529)	1:9:A:GLU:H	1:8:A:THR:HG21	11	0.45
(1,1454)	1:48:B:ALA:HA	1:51:B:THR:HG23	3	0.45
(1,1454)	1:48:B:ALA:HA	1:51:B:THR:HG23	11	0.45
(1,1453)	1:48:A:ALA:HA	1:51:A:THR:HG23	3	0.45
(1,1453)	1:48:A:ALA:HA	1:51:A:THR:HG23	11	0.45
(1,1426)	1:47:B:LEU:HD13	1:50:B:PHE:HB3	14	0.45
(1,1425)	1:47:A:LEU:HD13	1:50:A:PHE:HB3	14	0.45
(1,1024)	1:53:B:ASN:HA	1:52:B:LYS:HG2	17	0.45
(1,934)	1:97:B:LYS:HA	1:97:B:LYS:HE2	18	0.45
(1,884)	1:34:B:LEU:HB3	1:80:B:PHE:HB2	8	0.45
(1,883)	1:34:A:LEU:HB3	1:80:A:PHE:HB2	8	0.45
(1,836)	1:59:B:VAL:HG21	1:62:B:ARG:H	12	0.45
(1,835)	1:59:A:VAL:HG21	1:62:A:ARG:H	12	0.45
(1,816)	1:9:B:GLU:HG2	1:10:B:THR:HG23	18	0.45
(1,624)	1:34:B:LEU:HB2	1:38:B:GLU:HB2	19	0.45
(1,623)	1:34:A:LEU:HB2	1:38:A:GLU:HB2	19	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,476)	1:67:B:LEU:HB3	1:75:B:LEU:HB2	4	0.45
(1,475)	1:67:A:LEU:HB3	1:75:A:LEU:HB2	4	0.45
(1,422)	1:18:B:ILE:HG23	1:95:A:PHE:H	14	0.45
(1,421)	1:18:A:ILE:HG22	1:95:B:PHE:H	19	0.45
(1,388)	1:100:B:PRO:HD3	1:95:B:PHE:HB3	19	0.45
(1,387)	1:100:A:PRO:HD3	1:95:A:PHE:HB3	19	0.45
(1,355)	1:60:A:LEU:HB2	1:61:A:ASP:HB3	20	0.45
(1,304)	1:22:B:GLN:HB2	1:18:B:ILE:H	7	0.45
(1,303)	1:22:A:GLN:HB2	1:18:A:ILE:H	7	0.45
(1,302)	1:22:B:GLN:HB3	1:25:B:ALA:HB1	9	0.45
(1,254)	1:57:B:PRO:HD2	1:59:B:VAL:HG11	12	0.45
(1,253)	1:57:A:PRO:HD2	1:59:A:VAL:HG11	12	0.45
(1,220)	1:75:B:LEU:HD11	1:68:B:ASP:HA	12	0.45
(1,148)	1:18:B:ILE:HG22	1:92:A:HIS:H	13	0.45
(1,147)	1:18:A:ILE:HG22	1:92:B:HIS:H	13	0.45
(2,122)	1:76:B:ASP:HB3	1:68:B:ASP:HA	17	0.44
(2,8)	1:89:B:MET:HG3	1:77:A:PHE:HB3	5	0.44
(2,7)	1:89:A:MET:HG3	1:77:B:PHE:HB3	5	0.44
(1,5722)	1:67:B:LEU:H	1:67:B:LEU:HD21	8	0.44
(1,5721)	1:67:A:LEU:H	1:67:A:LEU:HD21	8	0.44
(1,5712)	1:42:B:PHE:H	1:39:B:PHE:HA	18	0.44
(1,5711)	1:42:A:PHE:H	1:39:A:PHE:HA	18	0.44
(1,5708)	1:14:B:ILE:H	1:14:B:ILE:HD12	1	0.44
(1,5707)	1:14:A:ILE:H	1:14:A:ILE:HD12	1	0.44
(1,5533)	1:82:A:ASN:H	1:80:A:PHE:HA	12	0.44
(1,5477)	1:37:A:THR:H	1:40:A:LEU:HD13	14	0.44
(1,5476)	1:50:B:PHE:H	1:47:B:LEU:HD22	3	0.44
(1,5475)	1:50:A:PHE:H	1:47:A:LEU:HD22	3	0.44
(1,5475)	1:50:A:PHE:H	1:47:A:LEU:HD23	7	0.44
(1,5460)	1:22:B:GLN:H	1:20:B:VAL:HG23	20	0.44
(1,5457)	1:95:A:PHE:H	1:96:A:LEU:HD21	11	0.44
(1,5352)	1:41:B:SER:H	1:42:B:PHE:HB2	1	0.44
(1,5351)	1:41:A:SER:H	1:42:A:PHE:HB2	1	0.44
(1,5351)	1:41:A:SER:H	1:42:A:PHE:HB2	3	0.44
(1,5206)	1:44:B:ASN:H	1:60:B:LEU:HB2	5	0.44
(1,5202)	1:40:B:LEU:H	1:64:B:MET:HG2	1	0.44
(1,5029)	1:65:A:LYS:HG2	1:65:A:LYS:HA	15	0.44
(1,4898)	1:88:B:ALA:HB3	1:17:A:LEU:HD12	3	0.44
(1,4897)	1:88:A:ALA:HB2	1:17:B:LEU:HD13	10	0.44
(1,4882)	1:37:B:THR:HG21	1:40:B:LEU:HB2	14	0.44
(1,4830)	1:18:B:ILE:HG23	1:14:B:ILE:HG22	4	0.44
(1,4830)	1:18:B:ILE:HG23	1:14:B:ILE:HG22	9	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4829)	1:18:A:ILE:HG23	1:14:A:ILE:HG22	4	0.44
(1,4829)	1:18:A:ILE:HG23	1:14:A:ILE:HG22	9	0.44
(1,4806)	1:18:B:ILE:HG23	1:14:B:ILE:HG22	4	0.44
(1,4806)	1:18:B:ILE:HG23	1:14:B:ILE:HG22	9	0.44
(1,4805)	1:18:A:ILE:HG23	1:14:A:ILE:HG22	4	0.44
(1,4805)	1:18:A:ILE:HG23	1:14:A:ILE:HG22	9	0.44
(1,4790)	1:66:B:LYS:HB3	1:67:B:LEU:HD23	11	0.44
(1,4789)	1:66:A:LYS:HB3	1:67:A:LEU:HD22	6	0.44
(1,4789)	1:66:A:LYS:HB3	1:67:A:LEU:HD23	11	0.44
(1,4756)	1:37:B:THR:HG23	1:27:B:LYS:HD3	7	0.44
(1,4600)	1:43:B:MET:H	1:60:B:LEU:HD12	2	0.44
(1,4599)	1:43:A:MET:H	1:60:A:LEU:HD12	2	0.44
(1,4548)	1:50:B:PHE:HB3	1:47:B:LEU:HD21	14	0.44
(1,4547)	1:50:A:PHE:HB3	1:47:A:LEU:HD21	14	0.44
(1,4536)	1:64:B:MET:HG3	1:75:B:LEU:HD23	20	0.44
(1,4535)	1:64:A:MET:HG3	1:75:A:LEU:HD23	20	0.44
(1,4460)	1:20:B:VAL:HG21	1:81:B:LEU:HD21	17	0.44
(1,4424)	1:40:B:LEU:HG	1:36:B:LYS:HA	9	0.44
(1,4423)	1:40:A:LEU:HG	1:36:A:LYS:HA	9	0.44
(1,4383)	1:11:A:GLU:HB3	1:14:A:ILE:HD12	17	0.44
(1,4358)	1:48:B:ALA:HA	1:52:B:LYS:HB2	1	0.44
(1,4334)	1:68:B:ASP:HB2	1:67:B:LEU:HB2	15	0.44
(1,4333)	1:68:A:ASP:HB2	1:67:A:LEU:HB2	15	0.44
(1,4318)	1:67:B:LEU:HD21	1:63:B:MET:HG3	18	0.44
(1,4317)	1:67:A:LEU:HD21	1:63:A:MET:HG3	18	0.44
(1,4297)	1:44:A:ASN:HA	1:47:A:LEU:HD11	11	0.44
(1,4278)	1:16:B:SER:HA	1:15:B:GLU:HB2	7	0.44
(1,4238)	1:8:B:THR:HA	1:11:B:GLU:HB2	10	0.44
(1,4238)	1:8:B:THR:HA	1:11:B:GLU:HB2	11	0.44
(1,4237)	1:8:A:THR:HA	1:11:A:GLU:HB2	10	0.44
(1,4237)	1:8:A:THR:HA	1:11:A:GLU:HB2	11	0.44
(1,4233)	1:68:A:ASP:HB2	1:65:A:LYS:HD3	3	0.44
(1,4214)	1:98:B:ALA:H	1:97:B:LYS:HD2	18	0.44
(1,4213)	1:98:A:ALA:H	1:97:A:LYS:HD2	18	0.44
(1,4202)	1:11:B:GLU:HG2	1:8:B:THR:HG21	6	0.44
(1,4201)	1:11:A:GLU:HG2	1:8:A:THR:HG21	6	0.44
(1,4197)	1:60:A:LEU:HD13	1:44:A:ASN:HB2	7	0.44
(1,4188)	1:11:B:GLU:HA	1:13:B:CYS:HA	3	0.44
(1,4188)	1:11:B:GLU:HA	1:13:B:CYS:HA	20	0.44
(1,4187)	1:11:A:GLU:HA	1:13:A:CYS:HA	3	0.44
(1,4187)	1:11:A:GLU:HA	1:13:A:CYS:HA	20	0.44
(1,4174)	1:67:B:LEU:HD21	1:81:B:LEU:HA	10	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:67:A:LEU:HD21	1:81:A:LEU:HA	10	0.44
(1,4154)	1:82:B:ASN:HA	1:81:B:LEU:HB2	1	0.44
(1,4153)	1:82:A:ASN:HA	1:81:A:LEU:HB2	1	0.44
(1,4089)	1:60:A:LEU:HB3	1:64:A:MET:H	13	0.44
(1,4064)	1:23:B:LYS:HD3	1:24:B:TYR:H	16	0.44
(1,4063)	1:23:A:LYS:HD3	1:24:A:TYR:H	2	0.44
(1,4063)	1:23:A:LYS:HD3	1:24:A:TYR:H	16	0.44
(1,4062)	1:66:B:LYS:H	1:65:B:LYS:HG2	2	0.44
(1,4052)	1:58:B:GLY:HA3	1:57:B:PRO:HG2	6	0.44
(1,4051)	1:58:A:GLY:HA3	1:57:A:PRO:HG2	6	0.44
(1,4034)	1:21:B:PHE:H	1:19:B:ALA:HA	5	0.44
(1,4028)	1:99:B:VAL:HG22	1:102:B:GLN:H	16	0.44
(1,3980)	1:82:B:ASN:HA	1:67:B:LEU:HB3	15	0.44
(1,3979)	1:82:A:ASN:HA	1:67:A:LEU:HB3	15	0.44
(1,3937)	1:65:A:LYS:HG2	1:64:A:MET:HA	20	0.44
(1,3918)	1:20:B:VAL:HB	1:46:B:GLU:H	18	0.44
(1,3918)	1:19:B:ALA:H	1:20:B:VAL:HB	19	0.44
(1,3917)	1:19:A:ALA:H	1:20:A:VAL:HB	3	0.44
(1,3917)	1:20:A:VAL:HB	1:46:A:GLU:H	18	0.44
(1,3914)	1:35:B:SER:HA	1:34:B:LEU:HG	3	0.44
(1,3913)	1:35:A:SER:HA	1:34:A:LEU:HG	3	0.44
(1,3880)	1:69:B:THR:HB	1:70:B:ASN:HB3	19	0.44
(1,3879)	1:69:A:THR:HB	1:70:A:ASN:HB3	19	0.44
(1,3846)	1:8:B:THR:HA	1:12:B:ARG:HG2	1	0.44
(1,3845)	1:8:A:THR:HA	1:12:A:ARG:HG2	1	0.44
(1,3834)	1:17:B:LEU:HD12	1:14:B:ILE:H	12	0.44
(1,3833)	1:17:A:LEU:HD12	1:14:A:ILE:H	12	0.44
(1,3808)	1:37:B:THR:HB	1:39:B:PHE:H	2	0.44
(1,3807)	1:37:A:THR:HB	1:39:A:PHE:H	2	0.44
(1,3794)	1:74:B:GLN:HA	1:64:B:MET:HG3	20	0.44
(1,3793)	1:74:A:GLN:HA	1:64:A:MET:HG3	20	0.44
(1,3752)	1:11:B:GLU:HB2	1:8:B:THR:HB	16	0.44
(1,3751)	1:11:A:GLU:HB2	1:8:A:THR:HB	16	0.44
(1,3738)	1:67:B:LEU:HG	1:83:B:LEU:H	10	0.44
(1,3738)	1:67:B:LEU:HG	1:83:B:LEU:H	17	0.44
(1,3737)	1:67:A:LEU:HG	1:83:A:LEU:H	10	0.44
(1,3732)	1:25:B:ALA:HB3	1:35:B:SER:HB2	4	0.44
(1,3732)	1:25:B:ALA:HB2	1:35:B:SER:HB2	11	0.44
(1,3731)	1:25:A:ALA:HB3	1:35:A:SER:HB2	4	0.44
(1,3707)	1:49:A:ALA:HB2	1:11:B:GLU:HG3	4	0.44
(1,3655)	1:48:A:ALA:HB1	1:11:B:GLU:HG3	20	0.44
(1,3654)	1:8:B:THR:HB	1:10:B:THR:HA	17	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3653)	1:8:A:THR:HB	1:10:A:THR:HA	17	0.44
(1,3651)	1:47:A:LEU:HD21	1:10:B:THR:H	17	0.44
(1,3630)	1:63:B:MET:HG3	1:64:B:MET:HA	20	0.44
(1,3629)	1:63:A:MET:HG3	1:64:A:MET:HA	20	0.44
(1,3626)	1:34:B:LEU:HA	1:24:B:TYR:HB2	7	0.44
(1,3625)	1:34:A:LEU:HA	1:24:A:TYR:HB2	7	0.44
(1,3578)	1:51:B:THR:HB	1:44:B:ASN:HB3	15	0.44
(1,3577)	1:51:A:THR:HB	1:44:A:ASN:HB3	11	0.44
(1,3562)	1:76:B:ASP:HA	1:34:B:LEU:HD13	4	0.44
(1,3561)	1:76:A:ASP:HA	1:34:A:LEU:HD13	4	0.44
(1,3540)	1:73:B:GLY:HA3	1:68:B:ASP:HB2	7	0.44
(1,3536)	1:18:B:ILE:HB	1:91:A:CYS:HB3	7	0.44
(1,3518)	1:51:B:THR:HB	1:44:B:ASN:HB2	10	0.44
(1,3517)	1:51:A:THR:HB	1:44:A:ASN:HB2	10	0.44
(1,3507)	1:46:A:GLU:HB3	1:45:A:THR:HB	15	0.44
(1,3491)	1:65:A:LYS:HG2	1:61:A:ASP:HB3	13	0.44
(1,3442)	1:69:B:THR:HB	1:66:B:LYS:HG2	17	0.44
(1,3441)	1:69:A:THR:HB	1:66:A:LYS:HG2	17	0.44
(1,3419)	1:11:A:GLU:HA	1:47:B:LEU:HA	7	0.44
(1,3410)	1:100:B:PRO:HB2	1:22:A:GLN:HB2	2	0.44
(1,3409)	1:100:A:PRO:HB2	1:22:B:GLN:HB2	2	0.44
(1,3266)	1:27:B:LYS:H	1:27:B:LYS:HB3	8	0.44
(1,3266)	1:27:B:LYS:H	1:27:B:LYS:HB3	18	0.44
(1,3265)	1:27:A:LYS:H	1:27:A:LYS:HB3	8	0.44
(1,3265)	1:27:A:LYS:H	1:27:A:LYS:HB3	18	0.44
(1,3253)	1:62:A:ARG:H	1:61:A:ASP:HB2	6	0.44
(1,3253)	1:62:A:ARG:H	1:61:A:ASP:HB2	18	0.44
(1,3138)	1:76:B:ASP:H	1:75:B:LEU:HD21	8	0.44
(1,3138)	1:76:B:ASP:H	1:75:B:LEU:HD21	12	0.44
(1,3137)	1:76:A:ASP:H	1:75:A:LEU:HD21	8	0.44
(1,3137)	1:76:A:ASP:H	1:75:A:LEU:HD21	12	0.44
(1,3024)	1:76:B:ASP:H	1:75:B:LEU:HB2	9	0.44
(1,3024)	1:76:B:ASP:H	1:75:B:LEU:HB2	20	0.44
(1,3023)	1:76:A:ASP:H	1:75:A:LEU:HB2	9	0.44
(1,3023)	1:76:A:ASP:H	1:75:A:LEU:HB2	20	0.44
(1,2816)	1:11:B:GLU:H	1:8:B:THR:HG21	5	0.44
(1,2816)	1:11:B:GLU:H	1:8:B:THR:HG23	19	0.44
(1,2815)	1:11:A:GLU:H	1:8:A:THR:HG21	5	0.44
(1,2815)	1:11:A:GLU:H	1:8:A:THR:HG23	19	0.44
(1,2776)	1:50:B:PHE:H	1:47:B:LEU:HB2	14	0.44
(1,2775)	1:50:A:PHE:H	1:47:A:LEU:HB2	14	0.44
(1,2726)	1:77:B:PHE:H	1:33:B:THR:HG23	3	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2698)	1:27:B:LYS:H	1:25:B:ALA:HB1	8	0.44
(1,2506)	1:37:B:THR:H	1:34:B:LEU:HD21	6	0.44
(1,2505)	1:37:A:THR:H	1:34:A:LEU:HD21	6	0.44
(1,2332)	1:96:B:LEU:HB2	1:97:B:LYS:HE2	4	0.44
(1,2331)	1:96:A:LEU:HB2	1:97:A:LYS:HE2	4	0.44
(1,2306)	1:96:B:LEU:HB2	1:97:B:LYS:HE2	4	0.44
(1,2305)	1:96:A:LEU:HB2	1:97:A:LYS:HE2	4	0.44
(1,1944)	1:42:B:PHE:HA	1:27:B:LYS:HE2	18	0.44
(1,1943)	1:42:A:PHE:HA	1:27:A:LYS:HE2	18	0.44
(1,1940)	1:96:B:LEU:HB2	1:96:B:LEU:HD12	12	0.44
(1,1939)	1:96:A:LEU:HB2	1:96:A:LEU:HD12	12	0.44
(1,1740)	1:23:B:LYS:HE2	1:8:A:THR:HB	1	0.44
(1,1740)	1:23:B:LYS:HE2	1:8:A:THR:HB	6	0.44
(1,1740)	1:23:B:LYS:HE2	1:8:A:THR:HB	17	0.44
(1,1740)	1:23:B:LYS:HE2	1:8:A:THR:HB	18	0.44
(1,1682)	1:50:B:PHE:HB2	1:47:B:LEU:HD23	8	0.44
(1,1682)	1:50:B:PHE:HB2	1:47:B:LEU:HD23	16	0.44
(1,1681)	1:50:A:PHE:HB2	1:47:A:LEU:HD23	8	0.44
(1,1608)	1:47:B:LEU:HB2	1:50:B:PHE:HB3	13	0.44
(1,1607)	1:47:A:LEU:HB2	1:50:A:PHE:HB2	5	0.44
(1,1607)	1:47:A:LEU:HB2	1:50:A:PHE:HB3	13	0.44
(1,1454)	1:48:B:ALA:HA	1:51:B:THR:HG21	16	0.44
(1,1023)	1:53:A:ASN:HA	1:52:A:LYS:HG2	12	0.44
(1,1023)	1:53:A:ASN:HA	1:52:A:LYS:HG2	17	0.44
(1,1023)	1:53:A:ASN:HA	1:52:A:LYS:HG3	19	0.44
(1,934)	1:97:B:LYS:HA	1:97:B:LYS:HE2	12	0.44
(1,934)	1:97:B:LYS:HA	1:97:B:LYS:HE2	15	0.44
(1,933)	1:97:A:LYS:HA	1:97:A:LYS:HE2	12	0.44
(1,933)	1:97:A:LYS:HA	1:97:A:LYS:HE2	18	0.44
(1,855)	1:9:A:GLU:HG2	1:17:B:LEU:HD22	12	0.44
(1,815)	1:9:A:GLU:HG2	1:10:A:THR:HG23	18	0.44
(1,692)	1:15:B:GLU:HG2	1:16:B:SER:H	16	0.44
(1,691)	1:15:A:GLU:HG2	1:16:A:SER:H	16	0.44
(1,648)	1:14:B:ILE:HB	1:88:A:ALA:HB1	15	0.44
(1,520)	1:74:B:GLN:HG3	1:75:B:LEU:HA	2	0.44
(1,520)	1:74:B:GLN:HG3	1:75:B:LEU:HA	3	0.44
(1,520)	1:74:B:GLN:HG3	1:75:B:LEU:HA	12	0.44
(1,520)	1:74:B:GLN:HG3	1:75:B:LEU:HA	17	0.44
(1,519)	1:74:A:GLN:HG3	1:75:A:LEU:HA	3	0.44
(1,519)	1:74:A:GLN:HG3	1:75:A:LEU:HA	12	0.44
(1,519)	1:74:A:GLN:HG3	1:75:A:LEU:HA	17	0.44
(1,475)	1:67:A:LEU:HB3	1:75:A:LEU:HB2	6	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,432)	1:48:B:ALA:HB1	1:44:B:ASN:HB3	6	0.44
(1,431)	1:48:A:ALA:HB3	1:44:A:ASN:HB3	14	0.44
(1,421)	1:18:A:ILE:HG23	1:95:B:PHE:H	14	0.44
(1,388)	1:100:B:PRO:HD3	1:95:B:PHE:HB3	8	0.44
(1,345)	1:23:A:LYS:HA	1:25:A:ALA:HB1	18	0.44
(1,219)	1:75:A:LEU:HD11	1:68:A:ASP:HA	12	0.44
(1,82)	1:22:B:GLN:HB2	1:100:A:PRO:HB2	2	0.44
(1,81)	1:22:A:GLN:HB2	1:100:B:PRO:HB2	2	0.44
(2,121)	1:76:A:ASP:HB3	1:68:A:ASP:HA	17	0.43
(2,8)	1:89:B:MET:HG3	1:77:A:PHE:HB3	2	0.43
(2,7)	1:89:A:MET:HG3	1:77:B:PHE:HB3	2	0.43
(1,5744)	1:16:B:SER:H	1:15:B:GLU:HA	16	0.43
(1,5743)	1:16:A:SER:H	1:15:A:GLU:HA	16	0.43
(1,5708)	1:14:B:ILE:H	1:14:B:ILE:HD13	7	0.43
(1,5708)	1:14:B:ILE:H	1:14:B:ILE:HD12	16	0.43
(1,5707)	1:14:A:ILE:H	1:14:A:ILE:HD13	7	0.43
(1,5707)	1:14:A:ILE:H	1:14:A:ILE:HD12	16	0.43
(1,5534)	1:82:B:ASN:H	1:80:B:PHE:HA	12	0.43
(1,5530)	1:39:B:PHE:H	1:40:B:LEU:HD21	2	0.43
(1,5530)	1:39:B:PHE:H	1:40:B:LEU:HD22	4	0.43
(1,5530)	1:39:B:PHE:H	1:40:B:LEU:HD22	6	0.43
(1,5530)	1:39:B:PHE:H	1:40:B:LEU:HD21	19	0.43
(1,5529)	1:39:A:PHE:H	1:40:A:LEU:HD21	2	0.43
(1,5529)	1:39:A:PHE:H	1:40:A:LEU:HD22	4	0.43
(1,5529)	1:39:A:PHE:H	1:40:A:LEU:HD22	6	0.43
(1,5529)	1:39:A:PHE:H	1:40:A:LEU:HD21	19	0.43
(1,5497)	1:76:A:ASP:H	1:77:A:PHE:HB2	10	0.43
(1,5478)	1:37:B:THR:H	1:40:B:LEU:HD13	14	0.43
(1,5476)	1:50:B:PHE:H	1:47:B:LEU:HD23	7	0.43
(1,5475)	1:50:A:PHE:H	1:47:A:LEU:HD23	16	0.43
(1,5471)	1:80:A:PHE:H	1:75:A:LEU:HD11	2	0.43
(1,5464)	1:45:B:THR:H	1:46:B:GLU:HB2	16	0.43
(1,5463)	1:45:A:THR:H	1:46:A:GLU:HB2	16	0.43
(1,5458)	1:95:B:PHE:H	1:96:B:LEU:HD21	11	0.43
(1,5444)	1:95:B:PHE:H	1:98:B:ALA:HB3	16	0.43
(1,5443)	1:95:A:PHE:H	1:98:A:ALA:HB3	16	0.43
(1,5400)	1:90:B:ALA:H	1:93:B:ASP:HB3	2	0.43
(1,5399)	1:90:A:ALA:H	1:93:A:ASP:HB3	2	0.43
(1,5399)	1:59:A:VAL:H	1:61:A:ASP:HB3	13	0.43
(1,5399)	1:59:A:VAL:H	1:61:A:ASP:HB3	17	0.43
(1,5390)	1:23:B:LYS:H	1:23:B:LYS:HE2	12	0.43
(1,5389)	1:23:A:LYS:H	1:23:A:LYS:HE2	12	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5385)	1:40:A:LEU:H	1:75:A:LEU:HD12	16	0.43
(1,5352)	1:41:B:SER:H	1:42:B:PHE:HB2	3	0.43
(1,5306)	1:46:B:GLU:H	1:44:B:ASN:HB3	15	0.43
(1,5305)	1:46:A:GLU:H	1:44:A:ASN:HB3	15	0.43
(1,5242)	1:81:B:LEU:H	1:77:B:PHE:H	10	0.43
(1,5241)	1:81:A:LEU:H	1:77:A:PHE:H	10	0.43
(1,5030)	1:65:B:LYS:HG2	1:65:B:LYS:HA	12	0.43
(1,5030)	1:65:B:LYS:HG2	1:65:B:LYS:HA	15	0.43
(1,5030)	1:65:B:LYS:HG2	1:65:B:LYS:HA	19	0.43
(1,5029)	1:65:A:LYS:HG2	1:65:A:LYS:HA	12	0.43
(1,5029)	1:65:A:LYS:HG2	1:65:A:LYS:HA	19	0.43
(1,4938)	1:10:B:THR:HG22	1:87:A:LEU:HD21	8	0.43
(1,4937)	1:10:A:THR:HG23	1:87:B:LEU:HD21	11	0.43
(1,4898)	1:88:B:ALA:HB2	1:17:A:LEU:HD13	10	0.43
(1,4897)	1:88:A:ALA:HB3	1:17:B:LEU:HD13	19	0.43
(1,4882)	1:37:B:THR:HG22	1:40:B:LEU:HB2	3	0.43
(1,4881)	1:37:A:THR:HG21	1:40:A:LEU:HB2	14	0.43
(1,4858)	1:23:B:LYS:HB2	1:23:B:LYS:HE3	17	0.43
(1,4755)	1:37:A:THR:HG23	1:27:A:LYS:HD3	7	0.43
(1,4716)	1:17:B:LEU:HD22	1:13:A:CYS:HB2	1	0.43
(1,4715)	1:17:A:LEU:HD22	1:13:B:CYS:HB2	1	0.43
(1,4705)	1:65:A:LYS:HE3	1:68:A:ASP:HB3	13	0.43
(1,4548)	1:50:B:PHE:HB3	1:47:B:LEU:HD21	6	0.43
(1,4548)	1:50:B:PHE:HB3	1:47:B:LEU:HD23	10	0.43
(1,4547)	1:50:A:PHE:HB3	1:47:A:LEU:HD21	6	0.43
(1,4547)	1:50:A:PHE:HB3	1:47:A:LEU:HD23	10	0.43
(1,4546)	1:23:B:LYS:HE3	1:46:B:GLU:HG3	11	0.43
(1,4545)	1:23:A:LYS:HE3	1:46:A:GLU:HG3	11	0.43
(1,4496)	1:89:B:MET:HA	1:81:A:LEU:HD13	12	0.43
(1,4495)	1:89:A:MET:HA	1:81:B:LEU:HD13	12	0.43
(1,4457)	1:18:A:ILE:HG22	1:19:A:ALA:HB3	17	0.43
(1,4357)	1:48:A:ALA:HA	1:52:A:LYS:HB2	1	0.43
(1,4342)	1:83:B:LEU:HD11	1:86:B:GLY:H	7	0.43
(1,4341)	1:83:A:LEU:HD11	1:86:A:GLY:H	7	0.43
(1,4334)	1:68:B:ASP:HB2	1:67:B:LEU:HB2	10	0.43
(1,4333)	1:68:A:ASP:HB2	1:67:A:LEU:HB2	10	0.43
(1,4318)	1:67:B:LEU:HD21	1:63:B:MET:HG3	19	0.43
(1,4317)	1:67:A:LEU:HD21	1:63:A:MET:HG3	19	0.43
(1,4306)	1:34:B:LEU:HD12	1:39:B:PHE:HA	15	0.43
(1,4305)	1:34:A:LEU:HD12	1:39:A:PHE:HA	15	0.43
(1,4298)	1:44:B:ASN:HA	1:47:B:LEU:HD11	11	0.43
(1,4282)	1:20:B:VAL:HG13	1:81:B:LEU:HD23	15	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4281)	1:20:A:VAL:HG13	1:81:A:LEU:HD23	15	0.43
(1,4278)	1:16:B:SER:HA	1:15:B:GLU:HB2	1	0.43
(1,4277)	1:16:A:SER:HA	1:15:A:GLU:HB2	1	0.43
(1,4277)	1:16:A:SER:HA	1:15:A:GLU:HB2	7	0.43
(1,4238)	1:8:B:THR:HA	1:11:B:GLU:HB2	4	0.43
(1,4237)	1:8:A:THR:HA	1:11:A:GLU:HB2	4	0.43
(1,4234)	1:68:B:ASP:HB2	1:65:B:LYS:HD3	3	0.43
(1,4213)	1:98:A:ALA:H	1:97:A:LYS:HD2	9	0.43
(1,4202)	1:11:B:GLU:HG2	1:8:B:THR:HG21	5	0.43
(1,4202)	1:11:B:GLU:HG2	1:8:B:THR:HG23	19	0.43
(1,4201)	1:11:A:GLU:HG2	1:8:A:THR:HG21	5	0.43
(1,4201)	1:11:A:GLU:HG2	1:8:A:THR:HG23	19	0.43
(1,4198)	1:60:B:LEU:HD13	1:44:B:ASN:HB2	7	0.43
(1,4187)	1:11:A:GLU:HA	1:13:A:CYS:HA	8	0.43
(1,4179)	1:66:A:LYS:HE2	1:63:A:MET:HB3	15	0.43
(1,4177)	1:20:A:VAL:HG23	1:19:A:ALA:H	20	0.43
(1,4154)	1:82:B:ASN:HA	1:81:B:LEU:HB2	18	0.43
(1,4153)	1:82:A:ASN:HA	1:81:A:LEU:HB2	18	0.43
(1,4090)	1:60:B:LEU:HB3	1:64:B:MET:H	3	0.43
(1,4090)	1:60:B:LEU:HB3	1:64:B:MET:H	8	0.43
(1,4090)	1:60:B:LEU:HB3	1:64:B:MET:H	17	0.43
(1,4089)	1:60:A:LEU:HB3	1:64:A:MET:H	3	0.43
(1,4089)	1:60:A:LEU:HB3	1:64:A:MET:H	8	0.43
(1,4074)	1:15:B:GLU:HA	1:18:B:ILE:HA	7	0.43
(1,4072)	1:97:B:LYS:HD2	1:94:B:SER:H	8	0.43
(1,4072)	1:27:B:LYS:HD2	1:26:B:GLY:H	18	0.43
(1,4071)	1:97:A:LYS:HD2	1:94:A:SER:H	8	0.43
(1,4071)	1:27:A:LYS:HD2	1:26:A:GLY:H	18	0.43
(1,4061)	1:66:A:LYS:H	1:65:A:LYS:HG2	2	0.43
(1,4052)	1:58:B:GLY:HA3	1:57:B:PRO:HG2	11	0.43
(1,4052)	1:58:B:GLY:HA3	1:57:B:PRO:HG2	19	0.43
(1,4051)	1:58:A:GLY:HA3	1:57:A:PRO:HG2	9	0.43
(1,4051)	1:58:A:GLY:HA3	1:57:A:PRO:HG2	11	0.43
(1,4051)	1:58:A:GLY:HA3	1:57:A:PRO:HG2	14	0.43
(1,4051)	1:58:A:GLY:HA3	1:57:A:PRO:HG2	19	0.43
(1,4050)	1:74:B:GLN:HG3	1:68:B:ASP:HB2	17	0.43
(1,4049)	1:74:A:GLN:HG3	1:68:A:ASP:HB2	17	0.43
(1,4046)	1:11:B:GLU:HB2	1:10:B:THR:HG22	18	0.43
(1,4034)	1:21:B:PHE:H	1:19:B:ALA:HA	1	0.43
(1,4034)	1:21:B:PHE:H	1:19:B:ALA:HA	20	0.43
(1,4033)	1:21:A:PHE:H	1:19:A:ALA:HA	1	0.43
(1,4027)	1:99:A:VAL:HG22	1:102:A:GLN:H	16	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3940)	1:75:B:LEU:HD11	1:67:B:LEU:H	14	0.43
(1,3939)	1:75:A:LEU:HD11	1:67:A:LEU:H	14	0.43
(1,3938)	1:65:B:LYS:HG2	1:64:B:MET:HA	5	0.43
(1,3938)	1:65:B:LYS:HG2	1:64:B:MET:HA	20	0.43
(1,3937)	1:65:A:LYS:HG2	1:64:A:MET:HA	5	0.43
(1,3937)	1:65:A:LYS:HG2	1:64:A:MET:HA	15	0.43
(1,3918)	1:19:B:ALA:H	1:20:B:VAL:HB	3	0.43
(1,3918)	1:19:B:ALA:H	1:20:B:VAL:HB	8	0.43
(1,3917)	1:19:A:ALA:H	1:20:A:VAL:HB	8	0.43
(1,3917)	1:19:A:ALA:H	1:20:A:VAL:HB	19	0.43
(1,3914)	1:35:B:SER:HA	1:34:B:LEU:HG	9	0.43
(1,3913)	1:35:A:SER:HA	1:34:A:LEU:HG	9	0.43
(1,3862)	1:98:B:ALA:HB3	1:96:B:LEU:HD22	1	0.43
(1,3808)	1:37:B:THR:HB	1:39:B:PHE:H	13	0.43
(1,3807)	1:37:A:THR:HB	1:39:A:PHE:H	13	0.43
(1,3752)	1:11:B:GLU:HB2	1:8:B:THR:HB	15	0.43
(1,3751)	1:11:A:GLU:HB2	1:8:A:THR:HB	15	0.43
(1,3746)	1:74:B:GLN:H	1:72:B:ASP:HB3	18	0.43
(1,3745)	1:74:A:GLN:H	1:72:A:ASP:HB3	18	0.43
(1,3738)	1:67:B:LEU:HG	1:83:B:LEU:H	11	0.43
(1,3737)	1:67:A:LEU:HG	1:83:A:LEU:H	11	0.43
(1,3737)	1:67:A:LEU:HG	1:83:A:LEU:H	17	0.43
(1,3731)	1:25:A:ALA:HB2	1:35:A:SER:HB2	11	0.43
(1,3730)	1:18:B:ILE:HG23	1:95:A:PHE:HA	20	0.43
(1,3729)	1:18:A:ILE:HG23	1:95:B:PHE:HA	20	0.43
(1,3712)	1:83:B:LEU:HB2	1:87:B:LEU:HD12	2	0.43
(1,3711)	1:83:A:LEU:HB2	1:87:A:LEU:HD12	2	0.43
(1,3708)	1:49:B:ALA:HB2	1:11:A:GLU:HG3	4	0.43
(1,3692)	1:13:B:CYS:HB2	1:17:A:LEU:HB3	5	0.43
(1,3692)	1:13:B:CYS:HB2	1:17:A:LEU:HB3	14	0.43
(1,3691)	1:13:A:CYS:HB2	1:17:B:LEU:HB3	5	0.43
(1,3691)	1:13:A:CYS:HB2	1:17:B:LEU:HB3	14	0.43
(1,3680)	1:33:B:THR:HB	1:34:B:LEU:HG	17	0.43
(1,3608)	1:37:B:THR:HG23	1:39:B:PHE:H	6	0.43
(1,3608)	1:37:B:THR:HG23	1:39:B:PHE:H	7	0.43
(1,3607)	1:37:A:THR:HG23	1:39:A:PHE:H	6	0.43
(1,3607)	1:37:A:THR:HG23	1:39:A:PHE:H	7	0.43
(1,3604)	1:14:B:ILE:HB	1:13:B:CYS:HB3	2	0.43
(1,3603)	1:14:A:ILE:HB	1:13:A:CYS:HB3	2	0.43
(1,3577)	1:51:A:THR:HB	1:44:A:ASN:HB3	15	0.43
(1,3539)	1:73:A:GLY:HA3	1:68:A:ASP:HB2	7	0.43
(1,3508)	1:46:B:GLU:HB3	1:45:B:THR:HB	15	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3474)	1:17:B:LEU:HG	1:21:B:PHE:H	4	0.43
(1,3474)	1:17:B:LEU:HG	1:21:B:PHE:H	13	0.43
(1,3473)	1:17:A:LEU:HG	1:21:A:PHE:H	4	0.43
(1,3473)	1:17:A:LEU:HG	1:21:A:PHE:H	18	0.43
(1,3442)	1:69:B:THR:HB	1:66:B:LYS:HG2	11	0.43
(1,3441)	1:69:A:THR:HB	1:66:A:LYS:HG2	5	0.43
(1,3441)	1:69:A:THR:HB	1:66:A:LYS:HG2	11	0.43
(1,3420)	1:11:B:GLU:HA	1:47:A:LEU:HA	11	0.43
(1,3408)	1:11:B:GLU:HB2	1:46:A:GLU:HA	6	0.43
(1,3388)	1:17:B:LEU:HD22	1:88:A:ALA:HB1	4	0.43
(1,3388)	1:17:B:LEU:HD23	1:88:A:ALA:HB1	12	0.43
(1,3387)	1:17:A:LEU:HD23	1:88:B:ALA:HB1	12	0.43
(1,3372)	1:10:B:THR:HG22	1:87:A:LEU:HD21	8	0.43
(1,3371)	1:10:A:THR:HG23	1:87:B:LEU:HD21	11	0.43
(1,3362)	1:19:B:ALA:HB1	1:9:A:GLU:HA	1	0.43
(1,3361)	1:19:A:ALA:HB1	1:9:B:GLU:HA	1	0.43
(1,3360)	1:19:B:ALA:HB1	1:9:A:GLU:HA	1	0.43
(1,3359)	1:19:A:ALA:HB1	1:9:B:GLU:HA	1	0.43
(1,3254)	1:62:B:ARG:H	1:61:B:ASP:HB2	3	0.43
(1,3254)	1:62:B:ARG:H	1:61:B:ASP:HB2	14	0.43
(1,3253)	1:62:A:ARG:H	1:61:A:ASP:HB2	14	0.43
(1,3138)	1:76:B:ASP:H	1:75:B:LEU:HD22	6	0.43
(1,3138)	1:76:B:ASP:H	1:75:B:LEU:HD22	7	0.43
(1,3137)	1:76:A:ASP:H	1:75:A:LEU:HD22	6	0.43
(1,3137)	1:76:A:ASP:H	1:75:A:LEU:HD22	7	0.43
(1,3102)	1:9:B:GLU:H	1:8:B:THR:HG23	12	0.43
(1,3101)	1:9:A:GLU:H	1:8:A:THR:HG23	12	0.43
(1,2816)	1:11:B:GLU:H	1:8:B:THR:HG23	16	0.43
(1,2724)	1:78:B:SER:H	1:81:B:LEU:HD11	8	0.43
(1,2482)	1:78:B:SER:H	1:33:B:THR:HG22	8	0.43
(1,2481)	1:78:A:SER:H	1:33:A:THR:HG22	8	0.43
(1,2000)	1:33:B:THR:HG21	1:76:B:ASP:HB3	16	0.43
(1,1999)	1:33:A:THR:HG21	1:76:A:ASP:HB3	16	0.43
(1,1928)	1:96:B:LEU:HB2	1:96:B:LEU:HD12	12	0.43
(1,1927)	1:96:A:LEU:HB2	1:96:A:LEU:HD12	12	0.43
(1,1870)	1:20:B:VAL:HG13	1:21:B:PHE:H	17	0.43
(1,1870)	1:20:B:VAL:HG11	1:21:B:PHE:H	18	0.43
(1,1869)	1:20:A:VAL:HG13	1:21:A:PHE:H	17	0.43
(1,1858)	1:57:B:PRO:HD3	1:57:B:PRO:HA	15	0.43
(1,1857)	1:57:A:PRO:HD3	1:57:A:PRO:HA	15	0.43
(1,1768)	1:20:B:VAL:HG12	1:24:B:TYR:H	18	0.43
(1,1767)	1:20:A:VAL:HG12	1:24:A:TYR:H	18	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1739)	1:23:A:LYS:HE2	1:8:B:THR:HB	17	0.43
(1,1739)	1:23:A:LYS:HE2	1:8:B:THR:HB	18	0.43
(1,1453)	1:48:A:ALA:HA	1:51:A:THR:HG21	16	0.43
(1,1426)	1:47:B:LEU:HD12	1:50:B:PHE:HB3	2	0.43
(1,1425)	1:47:A:LEU:HD12	1:50:A:PHE:HB3	2	0.43
(1,1308)	1:75:B:LEU:HD12	1:75:B:LEU:HA	12	0.43
(1,1308)	1:75:B:LEU:HD11	1:75:B:LEU:HA	15	0.43
(1,1307)	1:75:A:LEU:HD13	1:75:A:LEU:HA	11	0.43
(1,1307)	1:75:A:LEU:HD12	1:75:A:LEU:HA	12	0.43
(1,1307)	1:75:A:LEU:HD11	1:75:A:LEU:HA	15	0.43
(1,1238)	1:62:B:ARG:HB3	1:59:B:VAL:HA	14	0.43
(1,1237)	1:62:A:ARG:HB3	1:59:A:VAL:HA	14	0.43
(1,1222)	1:89:B:MET:HG2	1:88:B:ALA:HB1	20	0.43
(1,1221)	1:89:A:MET:HG2	1:88:A:ALA:HB2	4	0.43
(1,1221)	1:89:A:MET:HG2	1:88:A:ALA:HB1	20	0.43
(1,1024)	1:53:B:ASN:HA	1:52:B:LYS:HG2	12	0.43
(1,1024)	1:53:B:ASN:HA	1:52:B:LYS:HG3	19	0.43
(1,942)	1:18:B:ILE:HG22	1:15:B:GLU:HB3	1	0.43
(1,942)	1:18:B:ILE:HG23	1:15:B:GLU:HB3	12	0.43
(1,941)	1:18:A:ILE:HG21	1:15:A:GLU:HB3	10	0.43
(1,941)	1:18:A:ILE:HG23	1:15:A:GLU:HB3	12	0.43
(1,933)	1:97:A:LYS:HA	1:97:A:LYS:HE2	15	0.43
(1,872)	1:96:B:LEU:HD22	1:95:B:PHE:HB2	18	0.43
(1,871)	1:96:A:LEU:HD22	1:95:A:PHE:HB2	18	0.43
(1,856)	1:9:B:GLU:HG2	1:17:A:LEU:HD22	12	0.43
(1,855)	1:9:A:GLU:HG3	1:17:B:LEU:HD21	2	0.43
(1,836)	1:59:B:VAL:HG23	1:62:B:ARG:H	14	0.43
(1,835)	1:59:A:VAL:HG23	1:62:A:ARG:H	14	0.43
(1,692)	1:15:B:GLU:HG2	1:16:B:SER:H	4	0.43
(1,691)	1:15:A:GLU:HG2	1:16:A:SER:H	4	0.43
(1,691)	1:15:A:GLU:HG2	1:16:A:SER:H	7	0.43
(1,650)	1:15:B:GLU:HG2	1:16:B:SER:H	9	0.43
(1,647)	1:14:A:ILE:HB	1:88:B:ALA:HB1	15	0.43
(1,520)	1:74:B:GLN:HG3	1:75:B:LEU:HA	16	0.43
(1,519)	1:74:A:GLN:HG3	1:75:A:LEU:HA	2	0.43
(1,476)	1:67:B:LEU:HB3	1:75:B:LEU:HB2	6	0.43
(1,432)	1:48:B:ALA:HB1	1:44:B:ASN:HB3	11	0.43
(1,432)	1:48:B:ALA:HB3	1:44:B:ASN:HB3	14	0.43
(1,431)	1:48:A:ALA:HB1	1:44:A:ASN:HB3	6	0.43
(1,411)	1:62:A:ARG:HD2	1:59:A:VAL:HG12	5	0.43
(1,387)	1:100:A:PRO:HD3	1:95:A:PHE:HB3	8	0.43
(1,346)	1:23:B:LYS:HA	1:25:B:ALA:HB1	18	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,320)	1:74:B:GLN:HB3	1:76:B:ASP:HB3	19	0.43
(1,319)	1:74:A:GLN:HB3	1:76:A:ASP:HB3	19	0.43
(1,254)	1:57:B:PRO:HD3	1:59:B:VAL:HG11	2	0.43
(1,253)	1:57:A:PRO:HD3	1:59:A:VAL:HG11	2	0.43
(1,220)	1:75:B:LEU:HD11	1:68:B:ASP:HA	15	0.43
(1,219)	1:75:A:LEU:HD11	1:68:A:ASP:HA	15	0.43
(1,5722)	1:67:B:LEU:H	1:67:B:LEU:HD13	18	0.42
(1,5721)	1:67:A:LEU:H	1:67:A:LEU:HD13	18	0.42
(1,5704)	1:81:B:LEU:H	1:81:B:LEU:HD21	4	0.42
(1,5676)	1:61:B:ASP:H	1:60:B:LEU:HG	17	0.42
(1,5675)	1:61:A:ASP:H	1:60:A:LEU:HG	17	0.42
(1,5529)	1:39:A:PHE:H	1:40:A:LEU:HD22	1	0.42
(1,5529)	1:39:A:PHE:H	1:40:A:LEU:HD22	3	0.42
(1,5502)	1:82:B:ASN:H	1:86:B:GLY:H	12	0.42
(1,5502)	1:82:B:ASN:H	1:86:B:GLY:H	13	0.42
(1,5501)	1:82:A:ASN:H	1:86:A:GLY:H	12	0.42
(1,5501)	1:82:A:ASN:H	1:86:A:GLY:H	13	0.42
(1,5498)	1:76:B:ASP:H	1:77:B:PHE:HB2	10	0.42
(1,5476)	1:50:B:PHE:H	1:47:B:LEU:HD23	16	0.42
(1,5472)	1:80:B:PHE:H	1:75:B:LEU:HD11	2	0.42
(1,5400)	1:59:B:VAL:H	1:61:B:ASP:HB3	13	0.42
(1,5400)	1:59:B:VAL:H	1:61:B:ASP:HB3	17	0.42
(1,5386)	1:40:B:LEU:H	1:75:B:LEU:HD12	16	0.42
(1,5352)	1:41:B:SER:H	1:42:B:PHE:HB2	8	0.42
(1,5351)	1:41:A:SER:H	1:42:A:PHE:HB2	8	0.42
(1,5276)	1:94:B:SER:H	1:96:B:LEU:HD23	19	0.42
(1,5275)	1:94:A:SER:H	1:96:A:LEU:HD23	19	0.42
(1,5241)	1:81:A:LEU:H	1:77:A:PHE:H	2	0.42
(1,4904)	1:82:B:ASN:HB2	1:80:B:PHE:HB3	4	0.42
(1,4903)	1:82:A:ASN:HB2	1:80:A:PHE:HB3	4	0.42
(1,4882)	1:37:B:THR:HG23	1:40:B:LEU:HB2	4	0.42
(1,4881)	1:37:A:THR:HG22	1:40:A:LEU:HB2	3	0.42
(1,4857)	1:23:A:LYS:HB2	1:23:A:LYS:HE3	17	0.42
(1,4780)	1:14:B:ILE:HD13	1:88:A:ALA:HA	15	0.42
(1,4706)	1:65:B:LYS:HE3	1:68:B:ASP:HB3	13	0.42
(1,4634)	1:14:B:ILE:H	1:14:B:ILE:HD11	2	0.42
(1,4633)	1:14:A:ILE:H	1:14:A:ILE:HD11	2	0.42
(1,4621)	1:89:A:MET:HA	1:88:A:ALA:HB3	15	0.42
(1,4604)	1:47:B:LEU:HD12	1:42:B:PHE:HA	1	0.42
(1,4603)	1:47:A:LEU:HD12	1:42:A:PHE:HA	1	0.42
(1,4548)	1:50:B:PHE:HB2	1:47:B:LEU:HD23	7	0.42
(1,4547)	1:50:A:PHE:HB2	1:47:A:LEU:HD23	7	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4546)	1:23:B:LYS:HE2	1:46:B:GLU:HG3	12	0.42
(1,4504)	1:24:B:TYR:H	1:34:B:LEU:HD13	9	0.42
(1,4503)	1:24:A:TYR:H	1:34:A:LEU:HD13	9	0.42
(1,4477)	1:64:A:MET:HG3	1:36:A:LYS:HE3	20	0.42
(1,4460)	1:20:B:VAL:HG22	1:81:B:LEU:HD21	14	0.42
(1,4459)	1:20:A:VAL:HG22	1:81:A:LEU:HD21	14	0.42
(1,4458)	1:18:B:ILE:HG22	1:19:B:ALA:HB3	17	0.42
(1,4384)	1:11:B:GLU:HB3	1:14:B:ILE:HD13	11	0.42
(1,4383)	1:11:A:GLU:HB3	1:14:A:ILE:HD13	11	0.42
(1,4378)	1:21:B:PHE:HB2	1:20:B:VAL:HG21	6	0.42
(1,4377)	1:21:A:PHE:HB2	1:20:A:VAL:HG21	6	0.42
(1,4348)	1:82:B:ASN:HB2	1:80:B:PHE:HB3	4	0.42
(1,4347)	1:82:A:ASN:HB2	1:80:A:PHE:HB3	4	0.42
(1,4238)	1:8:B:THR:HA	1:11:B:GLU:HB2	1	0.42
(1,4238)	1:8:B:THR:HA	1:11:B:GLU:HB2	3	0.42
(1,4238)	1:8:B:THR:HA	1:11:B:GLU:HB2	8	0.42
(1,4237)	1:8:A:THR:HA	1:11:A:GLU:HB2	1	0.42
(1,4237)	1:8:A:THR:HA	1:11:A:GLU:HB2	3	0.42
(1,4237)	1:8:A:THR:HA	1:11:A:GLU:HB2	8	0.42
(1,4224)	1:48:B:ALA:HA	1:60:B:LEU:HD23	14	0.42
(1,4223)	1:48:A:ALA:HA	1:60:A:LEU:HD23	14	0.42
(1,4214)	1:98:B:ALA:H	1:97:B:LYS:HD2	9	0.42
(1,4192)	1:61:B:ASP:HB3	1:40:B:LEU:HD21	3	0.42
(1,4191)	1:61:A:ASP:HB3	1:40:A:LEU:HD21	3	0.42
(1,4188)	1:11:B:GLU:HA	1:13:B:CYS:HA	8	0.42
(1,4188)	1:11:B:GLU:HA	1:13:B:CYS:HA	10	0.42
(1,4187)	1:11:A:GLU:HA	1:13:A:CYS:HA	10	0.42
(1,4178)	1:20:B:VAL:HG23	1:19:B:ALA:H	20	0.42
(1,4174)	1:67:B:LEU:HD22	1:81:B:LEU:HA	3	0.42
(1,4173)	1:67:A:LEU:HD22	1:81:A:LEU:HA	3	0.42
(1,4120)	1:46:B:GLU:HB3	1:87:B:LEU:HD12	9	0.42
(1,4119)	1:46:A:GLU:HB3	1:87:A:LEU:HD12	9	0.42
(1,4113)	1:18:A:ILE:H	1:17:A:LEU:HD11	8	0.42
(1,4104)	1:42:B:PHE:HA	1:20:B:VAL:HB	8	0.42
(1,4103)	1:42:A:PHE:HA	1:20:A:VAL:HB	8	0.42
(1,4089)	1:60:A:LEU:HB3	1:64:A:MET:H	17	0.42
(1,4073)	1:15:A:GLU:HA	1:18:A:ILE:HA	7	0.42
(1,4064)	1:23:B:LYS:HD3	1:24:B:TYR:H	13	0.42
(1,4063)	1:23:A:LYS:HD3	1:24:A:TYR:H	13	0.42
(1,4062)	1:66:B:LYS:H	1:65:B:LYS:HG2	10	0.42
(1,4061)	1:66:A:LYS:H	1:65:A:LYS:HG2	10	0.42
(1,4060)	1:97:B:LYS:HG3	1:98:B:ALA:H	4	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4059)	1:97:A:LYS:HG3	1:98:A:ALA:H	4	0.42
(1,4052)	1:58:B:GLY:HA3	1:57:B:PRO:HG2	7	0.42
(1,4052)	1:58:B:GLY:HA3	1:57:B:PRO:HG2	9	0.42
(1,4052)	1:58:B:GLY:HA3	1:57:B:PRO:HG2	14	0.42
(1,4051)	1:58:A:GLY:HA3	1:57:A:PRO:HG2	7	0.42
(1,4048)	1:52:B:LYS:HB2	1:53:B:ASN:HB3	3	0.42
(1,4045)	1:11:A:GLU:HB2	1:10:A:THR:HG22	18	0.42
(1,4034)	1:21:B:PHE:H	1:19:B:ALA:HA	16	0.42
(1,4033)	1:21:A:PHE:H	1:19:A:ALA:HA	16	0.42
(1,4033)	1:21:A:PHE:H	1:19:A:ALA:HA	20	0.42
(1,4024)	1:83:B:LEU:HB3	1:82:B:ASN:HB2	8	0.42
(1,4023)	1:83:A:LEU:HB3	1:82:A:ASN:HB2	8	0.42
(1,4022)	1:49:B:ALA:HB2	1:91:B:CYS:HB2	12	0.42
(1,4021)	1:49:A:ALA:HB2	1:91:A:CYS:HB2	12	0.42
(1,4014)	1:66:B:LYS:H	1:66:B:LYS:HD3	11	0.42
(1,4013)	1:66:A:LYS:H	1:66:A:LYS:HD3	11	0.42
(1,3980)	1:82:B:ASN:HA	1:67:B:LEU:HB3	7	0.42
(1,3979)	1:82:A:ASN:HA	1:67:A:LEU:HB3	7	0.42
(1,3942)	1:13:B:CYS:HB2	1:9:B:GLU:HG2	16	0.42
(1,3941)	1:13:A:CYS:HB2	1:9:A:GLU:HG2	16	0.42
(1,3940)	1:75:B:LEU:HD12	1:67:B:LEU:H	11	0.42
(1,3939)	1:75:A:LEU:HD12	1:67:A:LEU:H	11	0.42
(1,3938)	1:65:B:LYS:HG2	1:64:B:MET:HA	15	0.42
(1,3930)	1:74:B:GLN:HA	1:34:B:LEU:HB3	5	0.42
(1,3929)	1:74:A:GLN:HA	1:34:A:LEU:HB3	5	0.42
(1,3929)	1:74:A:GLN:HA	1:34:A:LEU:HB3	12	0.42
(1,3861)	1:98:A:ALA:HB3	1:96:A:LEU:HD22	1	0.42
(1,3846)	1:8:B:THR:HA	1:12:B:ARG:HG2	8	0.42
(1,3834)	1:17:B:LEU:HD12	1:14:B:ILE:H	14	0.42
(1,3833)	1:17:A:LEU:HD12	1:14:A:ILE:H	14	0.42
(1,3800)	1:47:B:LEU:HA	1:87:B:LEU:HD22	1	0.42
(1,3799)	1:47:A:LEU:HA	1:87:A:LEU:HD22	1	0.42
(1,3786)	1:89:B:MET:HG3	1:87:B:LEU:H	2	0.42
(1,3785)	1:89:A:MET:HG3	1:87:A:LEU:H	2	0.42
(1,3752)	1:11:B:GLU:HB2	1:8:B:THR:HB	19	0.42
(1,3751)	1:11:A:GLU:HB2	1:8:A:THR:HB	19	0.42
(1,3740)	1:11:B:GLU:HB2	1:8:B:THR:HB	16	0.42
(1,3738)	1:65:B:LYS:H	1:67:B:LEU:HG	6	0.42
(1,3738)	1:67:B:LEU:HG	1:83:B:LEU:H	13	0.42
(1,3737)	1:65:A:LYS:H	1:67:A:LEU:HG	6	0.42
(1,3726)	1:46:B:GLU:HB2	1:20:B:VAL:HG12	17	0.42
(1,3679)	1:33:A:THR:HB	1:34:A:LEU:HG	17	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3653)	1:8:A:THR:HB	1:10:A:THR:HA	19	0.42
(1,3651)	1:47:A:LEU:HD21	1:10:B:THR:H	3	0.42
(1,3626)	1:34:B:LEU:HA	1:24:B:TYR:HB2	1	0.42
(1,3625)	1:34:A:LEU:HA	1:24:A:TYR:HB2	1	0.42
(1,3584)	1:77:B:PHE:HB2	1:79:B:GLU:H	11	0.42
(1,3583)	1:77:A:PHE:HB2	1:79:A:GLU:H	11	0.42
(1,3562)	1:76:B:ASP:HA	1:34:B:LEU:HD13	19	0.42
(1,3561)	1:76:A:ASP:HA	1:34:A:LEU:HD13	19	0.42
(1,3552)	1:47:B:LEU:HB2	1:11:A:GLU:HG3	20	0.42
(1,3551)	1:47:A:LEU:HB2	1:11:B:GLU:HG3	20	0.42
(1,3508)	1:46:B:GLU:HB3	1:45:B:THR:HB	5	0.42
(1,3507)	1:46:A:GLU:HB3	1:45:A:THR:HB	5	0.42
(1,3474)	1:17:B:LEU:HG	1:21:B:PHE:H	1	0.42
(1,3474)	1:17:B:LEU:HG	1:21:B:PHE:H	18	0.42
(1,3473)	1:17:A:LEU:HG	1:21:A:PHE:H	1	0.42
(1,3473)	1:17:A:LEU:HG	1:21:A:PHE:H	13	0.42
(1,3442)	1:69:B:THR:HB	1:66:B:LYS:HG2	5	0.42
(1,3419)	1:11:A:GLU:HA	1:47:B:LEU:HA	11	0.42
(1,3408)	1:11:B:GLU:HB2	1:46:A:GLU:HA	2	0.42
(1,3353)	1:84:A:ILE:HG23	1:17:B:LEU:HD11	7	0.42
(1,3253)	1:62:A:ARG:H	1:61:A:ASP:HB2	3	0.42
(1,3101)	1:9:A:GLU:H	1:8:A:THR:HG21	9	0.42
(1,2815)	1:11:A:GLU:H	1:8:A:THR:HG23	16	0.42
(1,2768)	1:80:B:PHE:H	1:75:B:LEU:HB2	5	0.42
(1,2767)	1:80:A:PHE:H	1:75:A:LEU:HB2	5	0.42
(1,2723)	1:78:A:SER:H	1:81:A:LEU:HD11	8	0.42
(1,2482)	1:78:B:SER:H	1:33:B:THR:HG22	13	0.42
(1,2482)	1:78:B:SER:H	1:33:B:THR:HG23	19	0.42
(1,2481)	1:78:A:SER:H	1:33:A:THR:HG22	13	0.42
(1,1870)	1:20:B:VAL:HG12	1:21:B:PHE:H	12	0.42
(1,1869)	1:20:A:VAL:HG12	1:21:A:PHE:H	12	0.42
(1,1869)	1:20:A:VAL:HG11	1:21:A:PHE:H	18	0.42
(1,1740)	1:23:B:LYS:HE2	1:8:A:THR:HB	7	0.42
(1,1637)	1:38:A:GLU:HA	1:27:A:LYS:HD2	8	0.42
(1,1454)	1:48:B:ALA:HA	1:51:B:THR:HG21	14	0.42
(1,1453)	1:48:A:ALA:HA	1:51:A:THR:HG21	14	0.42
(1,1426)	1:47:B:LEU:HD13	1:50:B:PHE:HB3	16	0.42
(1,1425)	1:47:A:LEU:HD13	1:50:A:PHE:HB3	16	0.42
(1,1328)	1:34:B:LEU:HB2	1:39:B:PHE:HB3	20	0.42
(1,1327)	1:34:A:LEU:HB2	1:39:A:PHE:HB3	20	0.42
(1,1308)	1:75:B:LEU:HD11	1:75:B:LEU:HA	2	0.42
(1,1308)	1:75:B:LEU:HD13	1:75:B:LEU:HA	11	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1307)	1:75:A:LEU:HD11	1:75:A:LEU:HA	2	0.42
(1,1222)	1:89:B:MET:HG2	1:88:B:ALA:HB2	4	0.42
(1,1221)	1:89:A:MET:HG2	1:88:A:ALA:HB2	19	0.42
(1,1024)	1:53:B:ASN:HA	1:52:B:LYS:HG2	13	0.42
(1,1023)	1:53:A:ASN:HA	1:52:A:LYS:HG2	13	0.42
(1,950)	1:94:B:SER:HB2	1:91:B:CYS:HB2	12	0.42
(1,949)	1:94:A:SER:HB2	1:91:A:CYS:HB2	12	0.42
(1,942)	1:18:B:ILE:HG21	1:15:B:GLU:HB3	10	0.42
(1,941)	1:18:A:ILE:HG22	1:15:A:GLU:HB3	1	0.42
(1,941)	1:18:A:ILE:HG23	1:15:A:GLU:HB3	9	0.42
(1,934)	1:97:B:LYS:HA	1:97:B:LYS:HE2	4	0.42
(1,856)	1:9:B:GLU:HG3	1:17:A:LEU:HD21	2	0.42
(1,855)	1:9:A:GLU:HG2	1:17:B:LEU:HD22	9	0.42
(1,692)	1:15:B:GLU:HG2	1:16:B:SER:H	7	0.42
(1,692)	1:15:B:GLU:HG2	1:16:B:SER:H	8	0.42
(1,692)	1:15:B:GLU:HG2	1:16:B:SER:H	13	0.42
(1,691)	1:15:A:GLU:HG2	1:16:A:SER:H	13	0.42
(1,691)	1:15:A:GLU:HG2	1:16:A:SER:H	17	0.42
(1,649)	1:15:A:GLU:HG2	1:16:A:SER:H	9	0.42
(1,520)	1:74:B:GLN:HG3	1:75:B:LEU:HA	15	0.42
(1,519)	1:74:A:GLN:HG3	1:75:A:LEU:HA	15	0.42
(1,519)	1:74:A:GLN:HG3	1:75:A:LEU:HA	16	0.42
(1,431)	1:48:A:ALA:HB1	1:44:A:ASN:HB3	11	0.42
(1,412)	1:62:B:ARG:HD2	1:59:B:VAL:HG12	5	0.42
(1,396)	1:25:B:ALA:HB1	1:75:B:LEU:H	2	0.42
(1,395)	1:25:A:ALA:HB1	1:75:A:LEU:H	2	0.42
(1,355)	1:60:A:LEU:HB2	1:61:A:ASP:HB3	14	0.42
(1,346)	1:23:B:LYS:HA	1:25:B:ALA:HB1	20	0.42
(1,345)	1:23:A:LYS:HA	1:25:A:ALA:HB1	20	0.42
(1,254)	1:57:B:PRO:HD3	1:59:B:VAL:HG13	18	0.42
(1,253)	1:57:A:PRO:HD3	1:59:A:VAL:HG13	18	0.42
(1,220)	1:75:B:LEU:HD11	1:68:B:ASP:HA	19	0.42
(1,219)	1:75:A:LEU:HD11	1:68:A:ASP:HA	19	0.42
(1,217)	1:18:A:ILE:HA	1:95:B:PHE:HB3	17	0.42
(1,210)	1:76:B:ASP:HA	1:34:B:LEU:HB3	4	0.42
(1,209)	1:76:A:ASP:HA	1:34:A:LEU:HB3	4	0.42
(1,190)	1:46:B:GLU:HG3	1:24:B:TYR:H	17	0.42
(1,189)	1:46:A:GLU:HG3	1:24:A:TYR:H	17	0.42
(1,5744)	1:16:B:SER:H	1:15:B:GLU:HA	6	0.41
(1,5743)	1:16:A:SER:H	1:15:A:GLU:HA	1	0.41
(1,5743)	1:16:A:SER:H	1:15:A:GLU:HA	6	0.41
(1,5743)	1:16:A:SER:H	1:15:A:GLU:HA	13	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5722)	1:67:B:LEU:H	1:67:B:LEU:HD22	15	0.41
(1,5721)	1:67:A:LEU:H	1:67:A:LEU:HD22	15	0.41
(1,5703)	1:81:A:LEU:H	1:81:A:LEU:HD21	4	0.41
(1,5682)	1:87:B:LEU:H	1:87:B:LEU:HD12	7	0.41
(1,5682)	1:87:B:LEU:H	1:87:B:LEU:HD13	15	0.41
(1,5681)	1:87:A:LEU:H	1:87:A:LEU:HD13	15	0.41
(1,5558)	1:88:B:ALA:H	1:81:A:LEU:HD13	10	0.41
(1,5534)	1:82:B:ASN:H	1:80:B:PHE:HA	8	0.41
(1,5534)	1:82:B:ASN:H	1:80:B:PHE:HA	9	0.41
(1,5533)	1:82:A:ASN:H	1:80:A:PHE:HA	8	0.41
(1,5533)	1:82:A:ASN:H	1:80:A:PHE:HA	9	0.41
(1,5530)	1:39:B:PHE:H	1:40:B:LEU:HD22	1	0.41
(1,5530)	1:39:B:PHE:H	1:40:B:LEU:HD22	3	0.41
(1,5530)	1:39:B:PHE:H	1:40:B:LEU:HD22	8	0.41
(1,5529)	1:39:A:PHE:H	1:40:A:LEU:HD22	8	0.41
(1,5476)	1:50:B:PHE:H	1:47:B:LEU:HD21	4	0.41
(1,5476)	1:50:B:PHE:H	1:47:B:LEU:HD22	13	0.41
(1,5475)	1:50:A:PHE:H	1:47:A:LEU:HD21	4	0.41
(1,5475)	1:50:A:PHE:H	1:47:A:LEU:HD22	13	0.41
(1,5464)	1:45:B:THR:H	1:46:B:GLU:HB2	8	0.41
(1,5463)	1:45:A:THR:H	1:46:A:GLU:HB2	8	0.41
(1,5440)	1:93:B:ASP:H	1:96:B:LEU:HB2	18	0.41
(1,5439)	1:93:A:ASP:H	1:96:A:LEU:HB2	18	0.41
(1,5390)	1:23:B:LYS:H	1:23:B:LYS:HE2	18	0.41
(1,5389)	1:23:A:LYS:H	1:23:A:LYS:HE2	18	0.41
(1,5355)	1:19:A:ALA:H	1:17:A:LEU:HB2	3	0.41
(1,5312)	1:28:B:ASP:H	1:34:B:LEU:HD21	7	0.41
(1,5311)	1:28:A:ASP:H	1:34:A:LEU:HD21	7	0.41
(1,5280)	1:28:B:ASP:H	1:34:B:LEU:HD21	7	0.41
(1,5279)	1:28:A:ASP:H	1:34:A:LEU:HD21	7	0.41
(1,5276)	1:94:B:SER:H	1:96:B:LEU:HD21	11	0.41
(1,5242)	1:81:B:LEU:H	1:77:B:PHE:H	2	0.41
(1,5206)	1:44:B:ASN:H	1:60:B:LEU:HB2	8	0.41
(1,5182)	1:99:B:VAL:HG11	1:99:B:VAL:HG13	1	0.41
(1,5182)	1:99:B:VAL:HG11	1:99:B:VAL:HG13	2	0.41
(1,5182)	1:99:B:VAL:HG11	1:99:B:VAL:HG13	3	0.41
(1,5182)	1:99:B:VAL:HG12	1:99:B:VAL:HG11	4	0.41
(1,5182)	1:99:B:VAL:HG11	1:99:B:VAL:HG13	5	0.41
(1,5182)	1:99:B:VAL:HG12	1:99:B:VAL:HG13	6	0.41
(1,5182)	1:99:B:VAL:HG12	1:99:B:VAL:HG13	7	0.41
(1,5182)	1:99:B:VAL:HG11	1:99:B:VAL:HG13	8	0.41
(1,5182)	1:99:B:VAL:HG22	1:99:B:VAL:HG21	9	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5182)	1:99:B:VAL:HG22	1:99:B:VAL:HG23	10	0.41
(1,5182)	1:99:B:VAL:HG21	1:99:B:VAL:HG23	11	0.41
(1,5182)	1:99:B:VAL:HG12	1:99:B:VAL:HG11	12	0.41
(1,5182)	1:99:B:VAL:HG22	1:99:B:VAL:HG23	13	0.41
(1,5182)	1:99:B:VAL:HG21	1:99:B:VAL:HG23	14	0.41
(1,5182)	1:99:B:VAL:HG22	1:99:B:VAL:HG21	15	0.41
(1,5182)	1:99:B:VAL:HG12	1:99:B:VAL:HG11	16	0.41
(1,5182)	1:99:B:VAL:HG22	1:99:B:VAL:HG23	17	0.41
(1,5182)	1:99:B:VAL:HG22	1:99:B:VAL:HG21	18	0.41
(1,5182)	1:99:B:VAL:HG21	1:99:B:VAL:HG23	19	0.41
(1,5182)	1:99:B:VAL:HG12	1:99:B:VAL:HG11	20	0.41
(1,5181)	1:99:A:VAL:HG22	1:99:A:VAL:HG23	1	0.41
(1,5181)	1:99:A:VAL:HG22	1:99:A:VAL:HG23	2	0.41
(1,5181)	1:99:A:VAL:HG11	1:99:A:VAL:HG13	3	0.41
(1,5181)	1:99:A:VAL:HG12	1:99:A:VAL:HG13	4	0.41
(1,5181)	1:99:A:VAL:HG12	1:99:A:VAL:HG13	5	0.41
(1,5181)	1:99:A:VAL:HG22	1:99:A:VAL:HG21	6	0.41
(1,5181)	1:99:A:VAL:HG12	1:99:A:VAL:HG11	7	0.41
(1,5181)	1:99:A:VAL:HG22	1:99:A:VAL:HG23	8	0.41
(1,5181)	1:99:A:VAL:HG12	1:99:A:VAL:HG13	9	0.41
(1,5181)	1:99:A:VAL:HG12	1:99:A:VAL:HG11	10	0.41
(1,5181)	1:99:A:VAL:HG12	1:99:A:VAL:HG13	11	0.41
(1,5181)	1:99:A:VAL:HG12	1:99:A:VAL:HG11	12	0.41
(1,5181)	1:99:A:VAL:HG22	1:99:A:VAL:HG23	13	0.41
(1,5181)	1:99:A:VAL:HG21	1:99:A:VAL:HG23	14	0.41
(1,5181)	1:99:A:VAL:HG11	1:99:A:VAL:HG13	15	0.41
(1,5181)	1:99:A:VAL:HG11	1:99:A:VAL:HG13	16	0.41
(1,5181)	1:99:A:VAL:HG12	1:99:A:VAL:HG13	17	0.41
(1,5181)	1:99:A:VAL:HG22	1:99:A:VAL:HG21	18	0.41
(1,5181)	1:99:A:VAL:HG22	1:99:A:VAL:HG23	19	0.41
(1,5181)	1:99:A:VAL:HG12	1:99:A:VAL:HG13	20	0.41
(1,5132)	1:97:B:LYS:HB3	1:97:B:LYS:HG2	7	0.41
(1,5131)	1:97:A:LYS:HB3	1:97:A:LYS:HG2	7	0.41
(1,5128)	1:36:B:LYS:HD2	1:36:B:LYS:HE3	1	0.41
(1,5128)	1:36:B:LYS:HD3	1:36:B:LYS:HE2	7	0.41
(1,5128)	1:36:B:LYS:HD2	1:36:B:LYS:HE3	18	0.41
(1,5127)	1:36:A:LYS:HD2	1:36:A:LYS:HE3	1	0.41
(1,5127)	1:36:A:LYS:HD3	1:36:A:LYS:HE2	7	0.41
(1,5127)	1:66:A:LYS:HD2	1:66:A:LYS:HE3	18	0.41
(1,5062)	1:66:B:LYS:HG2	1:66:B:LYS:HA	5	0.41
(1,5061)	1:66:A:LYS:HG2	1:66:A:LYS:HA	5	0.41
(1,5030)	1:65:B:LYS:HG2	1:65:B:LYS:HA	7	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5029)	1:65:A:LYS:HG2	1:65:A:LYS:HA	7	0.41
(1,5029)	1:65:A:LYS:HG2	1:65:A:LYS:HA	14	0.41
(1,4974)	1:83:B:LEU:HD23	1:80:B:PHE:HA	5	0.41
(1,4973)	1:83:A:LEU:HD23	1:80:A:PHE:HA	5	0.41
(1,4938)	1:10:B:THR:HG23	1:87:A:LEU:HD21	11	0.41
(1,4898)	1:88:B:ALA:HB3	1:17:A:LEU:HD12	4	0.41
(1,4898)	1:88:B:ALA:HB3	1:17:A:LEU:HD13	19	0.41
(1,4881)	1:37:A:THR:HG23	1:40:A:LEU:HB2	4	0.41
(1,4856)	1:25:B:ALA:HA	1:34:B:LEU:HD22	10	0.41
(1,4856)	1:25:B:ALA:HA	1:34:B:LEU:HD23	19	0.41
(1,4855)	1:25:A:ALA:HA	1:34:A:LEU:HD22	10	0.41
(1,4855)	1:25:A:ALA:HA	1:34:A:LEU:HD23	19	0.41
(1,4779)	1:14:A:ILE:HD13	1:88:B:ALA:HA	15	0.41
(1,4724)	1:17:B:LEU:HG	1:17:A:LEU:HG	9	0.41
(1,4723)	1:17:A:LEU:HG	1:17:B:LEU:HG	9	0.41
(1,4715)	1:17:A:LEU:HD21	1:13:B:CYS:HB2	13	0.41
(1,4704)	1:67:B:LEU:H	1:67:B:LEU:HD21	4	0.41
(1,4703)	1:67:A:LEU:H	1:67:A:LEU:HD21	4	0.41
(1,4703)	1:67:A:LEU:H	1:67:A:LEU:HD21	5	0.41
(1,4676)	1:89:B:MET:HG3	1:78:A:SER:HB3	12	0.41
(1,4675)	1:89:A:MET:HG3	1:78:B:SER:HB2	8	0.41
(1,4675)	1:89:A:MET:HG3	1:78:B:SER:HB3	12	0.41
(1,4670)	1:87:B:LEU:HG	1:47:B:LEU:HD13	20	0.41
(1,4669)	1:87:A:LEU:HG	1:47:A:LEU:HD13	20	0.41
(1,4634)	1:14:B:ILE:H	1:14:B:ILE:HD12	17	0.41
(1,4633)	1:14:A:ILE:H	1:14:A:ILE:HD12	17	0.41
(1,4622)	1:89:B:MET:HA	1:88:B:ALA:HB3	15	0.41
(1,4545)	1:23:A:LYS:HE2	1:46:A:GLU:HG3	12	0.41
(1,4478)	1:64:B:MET:HG3	1:36:B:LYS:HE3	20	0.41
(1,4384)	1:11:B:GLU:HB3	1:14:B:ILE:HD13	10	0.41
(1,4383)	1:11:A:GLU:HB3	1:14:A:ILE:HD13	10	0.41
(1,4368)	1:44:B:ASN:HA	1:60:B:LEU:HD12	14	0.41
(1,4367)	1:44:A:ASN:HA	1:60:A:LEU:HD12	14	0.41
(1,4282)	1:20:B:VAL:HG13	1:81:B:LEU:HD21	4	0.41
(1,4281)	1:20:A:VAL:HG13	1:81:A:LEU:HD21	4	0.41
(1,4234)	1:68:B:ASP:HB2	1:65:B:LYS:HD3	6	0.41
(1,4233)	1:68:A:ASP:HB2	1:65:A:LYS:HD3	6	0.41
(1,4187)	1:11:A:GLU:HA	1:13:A:CYS:HA	4	0.41
(1,4180)	1:66:B:LYS:HE2	1:63:B:MET:HB3	15	0.41
(1,4178)	1:8:B:THR:HG22	1:46:A:GLU:H	9	0.41
(1,4176)	1:9:B:GLU:HG2	1:10:B:THR:H	16	0.41
(1,4175)	1:9:A:GLU:HG2	1:10:A:THR:H	16	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4161)	1:22:A:GLN:HA	1:26:A:GLY:HA3	3	0.41
(1,4154)	1:82:B:ASN:HA	1:81:B:LEU:HB2	13	0.41
(1,4153)	1:82:A:ASN:HA	1:81:A:LEU:HB2	13	0.41
(1,4150)	1:13:B:CYS:HB2	1:17:A:LEU:HG	5	0.41
(1,4149)	1:13:A:CYS:HB2	1:17:B:LEU:HG	5	0.41
(1,4114)	1:18:B:ILE:H	1:17:B:LEU:HD11	8	0.41
(1,4104)	1:42:B:PHE:HA	1:20:B:VAL:HB	10	0.41
(1,4103)	1:42:A:PHE:HA	1:20:A:VAL:HB	10	0.41
(1,4047)	1:52:A:LYS:HB2	1:53:A:ASN:HB3	3	0.41
(1,3972)	1:34:B:LEU:HD13	1:80:B:PHE:HB3	8	0.41
(1,3971)	1:34:A:LEU:HD13	1:80:A:PHE:HB3	8	0.41
(1,3930)	1:74:B:GLN:HA	1:34:B:LEU:HB3	12	0.41
(1,3918)	1:19:B:ALA:H	1:20:B:VAL:HB	11	0.41
(1,3917)	1:19:A:ALA:H	1:20:A:VAL:HB	11	0.41
(1,3900)	1:75:B:LEU:HB2	1:64:B:MET:HB2	2	0.41
(1,3900)	1:75:B:LEU:HB2	1:64:B:MET:HB2	17	0.41
(1,3899)	1:75:A:LEU:HB2	1:64:A:MET:HB2	2	0.41
(1,3899)	1:75:A:LEU:HB2	1:64:A:MET:HB2	17	0.41
(1,3890)	1:17:B:LEU:HB2	1:18:B:ILE:HB	18	0.41
(1,3890)	1:17:B:LEU:HB2	1:18:B:ILE:HB	19	0.41
(1,3889)	1:17:A:LEU:HB2	1:18:A:ILE:HB	18	0.41
(1,3889)	1:17:A:LEU:HB2	1:18:A:ILE:HB	19	0.41
(1,3845)	1:8:A:THR:HA	1:12:A:ARG:HG2	8	0.41
(1,3833)	1:17:A:LEU:HD11	1:14:A:ILE:H	8	0.41
(1,3786)	1:89:B:MET:HG3	1:87:B:LEU:H	15	0.41
(1,3785)	1:89:A:MET:HG3	1:87:A:LEU:H	15	0.41
(1,3740)	1:11:B:GLU:HB2	1:8:B:THR:HB	15	0.41
(1,3739)	1:11:A:GLU:HB2	1:8:A:THR:HB	15	0.41
(1,3739)	1:11:A:GLU:HB2	1:8:A:THR:HB	16	0.41
(1,3737)	1:67:A:LEU:HG	1:83:A:LEU:H	13	0.41
(1,3725)	1:46:A:GLU:HB2	1:20:A:VAL:HG12	17	0.41
(1,3684)	1:66:B:LYS:HB3	1:64:B:MET:HA	7	0.41
(1,3683)	1:66:A:LYS:HB3	1:64:A:MET:HA	7	0.41
(1,3654)	1:8:B:THR:HB	1:10:B:THR:HA	19	0.41
(1,3652)	1:47:B:LEU:HD21	1:10:A:THR:H	3	0.41
(1,3535)	1:18:A:ILE:HB	1:91:B:CYS:HB3	7	0.41
(1,3528)	1:34:B:LEU:HB3	1:24:B:TYR:HB3	18	0.41
(1,3527)	1:34:A:LEU:HB3	1:24:A:TYR:HB3	18	0.41
(1,3506)	1:69:B:THR:HB	1:82:B:ASN:HB2	6	0.41
(1,3506)	1:69:B:THR:HB	1:82:B:ASN:HB2	7	0.41
(1,3505)	1:69:A:THR:HB	1:82:A:ASN:HB2	3	0.41
(1,3505)	1:69:A:THR:HB	1:82:A:ASN:HB2	6	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3474)	1:17:B:LEU:HG	1:21:B:PHE:H	9	0.41
(1,3473)	1:17:A:LEU:HG	1:21:A:PHE:H	9	0.41
(1,3407)	1:11:A:GLU:HB2	1:46:B:GLU:HA	2	0.41
(1,3403)	1:9:A:GLU:HB3	1:16:B:SER:HB3	17	0.41
(1,3392)	1:17:B:LEU:HD11	1:13:A:CYS:HA	19	0.41
(1,3372)	1:10:B:THR:HG23	1:87:A:LEU:HD21	11	0.41
(1,3349)	1:14:A:ILE:HD13	1:88:B:ALA:HB2	2	0.41
(1,3138)	1:76:B:ASP:H	1:75:B:LEU:HD21	1	0.41
(1,3138)	1:76:B:ASP:H	1:75:B:LEU:HD23	14	0.41
(1,3138)	1:76:B:ASP:H	1:75:B:LEU:HD22	16	0.41
(1,3138)	1:76:B:ASP:H	1:75:B:LEU:HD23	17	0.41
(1,3137)	1:76:A:ASP:H	1:75:A:LEU:HD23	14	0.41
(1,3137)	1:76:A:ASP:H	1:75:A:LEU:HD22	16	0.41
(1,3137)	1:76:A:ASP:H	1:75:A:LEU:HD23	17	0.41
(1,3102)	1:9:B:GLU:H	1:8:B:THR:HG21	9	0.41
(1,2726)	1:77:B:PHE:H	1:33:B:THR:HG23	2	0.41
(1,2725)	1:77:A:PHE:H	1:33:A:THR:HG23	2	0.41
(1,2698)	1:27:B:LYS:H	1:25:B:ALA:HB3	1	0.41
(1,2698)	1:27:B:LYS:H	1:25:B:ALA:HB1	4	0.41
(1,2698)	1:27:B:LYS:H	1:25:B:ALA:HB2	17	0.41
(1,2697)	1:27:A:LYS:H	1:25:A:ALA:HB3	1	0.41
(1,2697)	1:27:A:LYS:H	1:25:A:ALA:HB2	17	0.41
(1,2482)	1:78:B:SER:H	1:33:B:THR:HG21	16	0.41
(1,2481)	1:78:A:SER:H	1:33:A:THR:HG23	6	0.41
(1,2481)	1:78:A:SER:H	1:33:A:THR:HG21	16	0.41
(1,2481)	1:78:A:SER:H	1:33:A:THR:HG23	19	0.41
(1,2364)	1:99:B:VAL:HG11	1:99:B:VAL:HG13	1	0.41
(1,2364)	1:99:B:VAL:HG11	1:99:B:VAL:HG13	2	0.41
(1,2364)	1:99:B:VAL:HG11	1:99:B:VAL:HG13	3	0.41
(1,2364)	1:99:B:VAL:HG12	1:99:B:VAL:HG11	4	0.41
(1,2364)	1:99:B:VAL:HG11	1:99:B:VAL:HG13	5	0.41
(1,2364)	1:99:B:VAL:HG12	1:99:B:VAL:HG13	6	0.41
(1,2364)	1:99:B:VAL:HG12	1:99:B:VAL:HG13	7	0.41
(1,2364)	1:99:B:VAL:HG11	1:99:B:VAL:HG13	8	0.41
(1,2364)	1:99:B:VAL:HG11	1:99:B:VAL:HG13	9	0.41
(1,2364)	1:99:B:VAL:HG12	1:99:B:VAL:HG11	10	0.41
(1,2364)	1:99:B:VAL:HG12	1:99:B:VAL:HG13	11	0.41
(1,2364)	1:99:B:VAL:HG12	1:99:B:VAL:HG11	12	0.41
(1,2364)	1:99:B:VAL:HG12	1:99:B:VAL:HG11	13	0.41
(1,2364)	1:99:B:VAL:HG12	1:99:B:VAL:HG13	14	0.41
(1,2364)	1:99:B:VAL:HG11	1:99:B:VAL:HG13	15	0.41
(1,2364)	1:99:B:VAL:HG12	1:99:B:VAL:HG11	16	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2364)	1:99:B:VAL:HG12	1:99:B:VAL:HG11	17	0.41
(1,2364)	1:99:B:VAL:HG11	1:99:B:VAL:HG13	18	0.41
(1,2364)	1:99:B:VAL:HG11	1:99:B:VAL:HG13	19	0.41
(1,2364)	1:99:B:VAL:HG12	1:99:B:VAL:HG11	20	0.41
(1,2363)	1:99:A:VAL:HG11	1:99:A:VAL:HG13	1	0.41
(1,2363)	1:99:A:VAL:HG11	1:99:A:VAL:HG13	2	0.41
(1,2363)	1:99:A:VAL:HG11	1:99:A:VAL:HG13	3	0.41
(1,2363)	1:99:A:VAL:HG12	1:99:A:VAL:HG13	4	0.41
(1,2363)	1:99:A:VAL:HG12	1:99:A:VAL:HG13	5	0.41
(1,2363)	1:99:A:VAL:HG12	1:99:A:VAL:HG11	6	0.41
(1,2363)	1:99:A:VAL:HG12	1:99:A:VAL:HG11	7	0.41
(1,2363)	1:99:A:VAL:HG11	1:99:A:VAL:HG13	8	0.41
(1,2363)	1:99:A:VAL:HG12	1:99:A:VAL:HG13	9	0.41
(1,2363)	1:99:A:VAL:HG12	1:99:A:VAL:HG11	10	0.41
(1,2363)	1:99:A:VAL:HG12	1:99:A:VAL:HG13	11	0.41
(1,2363)	1:99:A:VAL:HG12	1:99:A:VAL:HG11	12	0.41
(1,2363)	1:99:A:VAL:HG12	1:99:A:VAL:HG13	13	0.41
(1,2363)	1:99:A:VAL:HG12	1:99:A:VAL:HG11	14	0.41
(1,2363)	1:99:A:VAL:HG11	1:99:A:VAL:HG13	15	0.41
(1,2363)	1:99:A:VAL:HG11	1:99:A:VAL:HG13	16	0.41
(1,2363)	1:99:A:VAL:HG12	1:99:A:VAL:HG13	17	0.41
(1,2363)	1:99:A:VAL:HG12	1:99:A:VAL:HG11	18	0.41
(1,2363)	1:99:A:VAL:HG11	1:99:A:VAL:HG13	19	0.41
(1,2363)	1:99:A:VAL:HG12	1:99:A:VAL:HG13	20	0.41
(1,1739)	1:23:A:LYS:HE2	1:8:B:THR:HB	6	0.41
(1,1638)	1:38:B:GLU:HA	1:27:B:LYS:HD2	6	0.41
(1,1638)	1:38:B:GLU:HA	1:27:B:LYS:HD2	8	0.41
(1,1637)	1:38:A:GLU:HA	1:27:A:LYS:HD2	6	0.41
(1,1426)	1:47:B:LEU:HD11	1:50:B:PHE:HB3	1	0.41
(1,1426)	1:47:B:LEU:HD13	1:50:B:PHE:HB3	6	0.41
(1,1426)	1:47:B:LEU:HD11	1:50:B:PHE:HB3	19	0.41
(1,1425)	1:47:A:LEU:HD11	1:50:A:PHE:HB3	1	0.41
(1,1425)	1:47:A:LEU:HD13	1:50:A:PHE:HB3	6	0.41
(1,1425)	1:47:A:LEU:HD11	1:50:A:PHE:HB3	19	0.41
(1,1378)	1:49:B:ALA:HB1	1:50:B:PHE:HB2	5	0.41
(1,1377)	1:49:A:ALA:HB1	1:50:A:PHE:HB2	5	0.41
(1,1222)	1:89:B:MET:HG2	1:88:B:ALA:HB3	14	0.41
(1,1222)	1:89:B:MET:HG2	1:88:B:ALA:HB2	19	0.41
(1,1221)	1:89:A:MET:HG2	1:88:A:ALA:HB3	14	0.41
(1,1198)	1:97:B:LYS:HB2	1:97:B:LYS:HE3	18	0.41
(1,1197)	1:97:A:LYS:HB2	1:97:A:LYS:HE3	18	0.41
(1,1024)	1:53:B:ASN:HA	1:52:B:LYS:HG2	8	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1024)	1:53:B:ASN:HA	1:52:B:LYS:HG3	9	0.41
(1,1023)	1:53:A:ASN:HA	1:52:A:LYS:HG2	7	0.41
(1,1023)	1:53:A:ASN:HA	1:52:A:LYS:HG2	8	0.41
(1,960)	1:33:B:THR:HG22	1:74:B:GLN:HA	16	0.41
(1,959)	1:33:A:THR:HG22	1:74:A:GLN:HA	16	0.41
(1,942)	1:18:B:ILE:HG23	1:15:B:GLU:HB3	9	0.41
(1,942)	1:18:B:ILE:HG22	1:15:B:GLU:HB3	18	0.41
(1,941)	1:18:A:ILE:HG22	1:15:A:GLU:HB3	18	0.41
(1,933)	1:97:A:LYS:HA	1:97:A:LYS:HE2	4	0.41
(1,884)	1:34:B:LEU:HB3	1:80:B:PHE:HB2	4	0.41
(1,883)	1:34:A:LEU:HB3	1:80:A:PHE:HB2	4	0.41
(1,856)	1:9:B:GLU:HG2	1:17:A:LEU:HD22	9	0.41
(1,836)	1:59:B:VAL:HG23	1:62:B:ARG:H	13	0.41
(1,835)	1:59:A:VAL:HG23	1:62:A:ARG:H	13	0.41
(1,824)	1:49:B:ALA:HB3	1:7:A:PRO:HA	4	0.41
(1,692)	1:15:B:GLU:HG2	1:16:B:SER:H	17	0.41
(1,691)	1:15:A:GLU:HG2	1:16:A:SER:H	1	0.41
(1,691)	1:15:A:GLU:HG2	1:16:A:SER:H	8	0.41
(1,662)	1:73:B:GLY:HA2	1:74:B:GLN:HG3	10	0.41
(1,661)	1:73:A:GLY:HA2	1:74:A:GLN:HG3	10	0.41
(1,650)	1:15:B:GLU:HG2	1:16:B:SER:H	12	0.41
(1,649)	1:15:A:GLU:HG2	1:16:A:SER:H	12	0.41
(1,624)	1:34:B:LEU:HB2	1:38:B:GLU:HB2	16	0.41
(1,623)	1:34:A:LEU:HB2	1:38:A:GLU:HB2	16	0.41
(1,552)	1:42:B:PHE:HA	1:45:B:THR:HG23	9	0.41
(1,551)	1:42:A:PHE:HA	1:45:A:THR:HG23	9	0.41
(1,520)	1:74:B:GLN:HG3	1:75:B:LEU:HA	7	0.41
(1,519)	1:74:A:GLN:HG3	1:75:A:LEU:HA	7	0.41
(1,422)	1:18:B:ILE:HG21	1:95:A:PHE:H	13	0.41
(1,412)	1:62:B:ARG:HD2	1:59:B:VAL:HG11	6	0.41
(1,411)	1:62:A:ARG:HD2	1:59:A:VAL:HG11	6	0.41
(1,388)	1:100:B:PRO:HD3	1:95:B:PHE:HB3	2	0.41
(1,388)	1:100:B:PRO:HD3	1:95:B:PHE:HB3	20	0.41
(1,387)	1:100:A:PRO:HD3	1:95:A:PHE:HB3	2	0.41
(1,387)	1:100:A:PRO:HD3	1:95:A:PHE:HB3	20	0.41
(1,356)	1:60:B:LEU:HB2	1:61:B:ASP:HB3	3	0.41
(1,356)	1:60:B:LEU:HB2	1:61:B:ASP:HB3	14	0.41
(1,355)	1:60:A:LEU:HB2	1:61:A:ASP:HB3	3	0.41
(1,304)	1:22:B:GLN:HB2	1:18:B:ILE:H	8	0.41
(1,303)	1:22:A:GLN:HB2	1:18:A:ILE:H	8	0.41
(1,254)	1:57:B:PRO:HD3	1:59:B:VAL:HG11	13	0.41
(1,253)	1:57:A:PRO:HD3	1:59:A:VAL:HG11	13	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,252)	1:76:B:ASP:HB2	1:77:B:PHE:HB2	19	0.41
(1,251)	1:76:A:ASP:HB2	1:77:A:PHE:HB2	19	0.41
(1,218)	1:18:B:ILE:HA	1:95:A:PHE:HB3	17	0.41
(1,146)	1:78:B:SER:HB2	1:81:B:LEU:HB3	16	0.41
(1,145)	1:78:A:SER:HB2	1:81:A:LEU:HB3	16	0.41
(1,12)	1:18:B:ILE:HG22	1:94:A:SER:HB3	11	0.41
(1,11)	1:18:A:ILE:HG23	1:94:B:SER:HB3	9	0.41
(1,11)	1:18:A:ILE:HG22	1:94:B:SER:HB3	11	0.41
(1,11)	1:18:A:ILE:HG22	1:94:B:SER:HB3	18	0.41
(1,5744)	1:16:B:SER:H	1:15:B:GLU:HA	1	0.4
(1,5744)	1:16:B:SER:H	1:15:B:GLU:HA	10	0.4
(1,5744)	1:16:B:SER:H	1:15:B:GLU:HA	13	0.4
(1,5744)	1:16:B:SER:H	1:15:B:GLU:HA	20	0.4
(1,5743)	1:16:A:SER:H	1:15:A:GLU:HA	10	0.4
(1,5743)	1:16:A:SER:H	1:15:A:GLU:HA	20	0.4
(1,5681)	1:87:A:LEU:H	1:87:A:LEU:HD12	7	0.4
(1,5557)	1:88:A:ALA:H	1:81:B:LEU:HD13	10	0.4
(1,5502)	1:82:B:ASN:H	1:86:B:GLY:H	9	0.4
(1,5501)	1:82:A:ASN:H	1:86:A:GLY:H	9	0.4
(1,5444)	1:95:B:PHE:H	1:98:B:ALA:HB2	13	0.4
(1,5443)	1:95:A:PHE:H	1:98:A:ALA:HB2	13	0.4
(1,5412)	1:17:B:LEU:H	1:18:B:ILE:HB	9	0.4
(1,5411)	1:17:A:LEU:H	1:18:A:ILE:HB	9	0.4
(1,5356)	1:19:B:ALA:H	1:17:B:LEU:HB2	3	0.4
(1,5356)	1:19:B:ALA:H	1:17:B:LEU:HB2	15	0.4
(1,5355)	1:19:A:ALA:H	1:9:B:GLU:HG2	7	0.4
(1,5355)	1:19:A:ALA:H	1:17:A:LEU:HB2	15	0.4
(1,5336)	1:45:B:THR:H	1:46:B:GLU:HA	19	0.4
(1,5335)	1:45:A:THR:H	1:46:A:GLU:HA	19	0.4
(1,5296)	1:76:B:ASP:H	1:33:B:THR:HB	11	0.4
(1,5295)	1:76:A:ASP:H	1:33:A:THR:HB	11	0.4
(1,5276)	1:94:B:SER:H	1:96:B:LEU:HD23	12	0.4
(1,5275)	1:94:A:SER:H	1:96:A:LEU:HD21	11	0.4
(1,5275)	1:94:A:SER:H	1:96:A:LEU:HD23	12	0.4
(1,5206)	1:44:B:ASN:H	1:60:B:LEU:HB2	2	0.4
(1,5205)	1:44:A:ASN:H	1:60:A:LEU:HB2	2	0.4
(1,5205)	1:44:A:ASN:H	1:60:A:LEU:HB2	8	0.4
(1,5180)	1:51:B:THR:HG21	1:51:B:THR:HG23	1	0.4
(1,5180)	1:59:B:VAL:HG11	1:59:B:VAL:HG13	2	0.4
(1,5180)	1:51:B:THR:HG22	1:51:B:THR:HG23	3	0.4
(1,5180)	1:33:B:THR:HG21	1:33:B:THR:HG22	4	0.4
(1,5180)	1:51:B:THR:HG22	1:51:B:THR:HG23	5	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5180)	1:59:B:VAL:HG11	1:59:B:VAL:HG13	6	0.4
(1,5180)	1:33:B:THR:HG22	1:33:B:THR:HG23	7	0.4
(1,5180)	1:51:B:THR:HG22	1:51:B:THR:HG23	8	0.4
(1,5180)	1:59:B:VAL:HG12	1:59:B:VAL:HG13	9	0.4
(1,5180)	1:59:B:VAL:HG11	1:59:B:VAL:HG13	10	0.4
(1,5180)	1:59:B:VAL:HG12	1:59:B:VAL:HG13	11	0.4
(1,5180)	1:59:B:VAL:HG11	1:59:B:VAL:HG13	12	0.4
(1,5180)	1:59:B:VAL:HG11	1:59:B:VAL:HG13	13	0.4
(1,5180)	1:33:B:THR:HG21	1:33:B:THR:HG22	14	0.4
(1,5180)	1:59:B:VAL:HG12	1:59:B:VAL:HG13	15	0.4
(1,5180)	1:51:B:THR:HG21	1:51:B:THR:HG23	16	0.4
(1,5180)	1:59:B:VAL:HG12	1:59:B:VAL:HG13	17	0.4
(1,5180)	1:33:B:THR:HG21	1:33:B:THR:HG22	18	0.4
(1,5180)	1:59:B:VAL:HG12	1:59:B:VAL:HG11	19	0.4
(1,5180)	1:33:B:THR:HG22	1:33:B:THR:HG23	20	0.4
(1,5179)	1:51:A:THR:HG21	1:51:A:THR:HG23	1	0.4
(1,5179)	1:51:A:THR:HG21	1:51:A:THR:HG23	2	0.4
(1,5179)	1:51:A:THR:HG22	1:51:A:THR:HG23	3	0.4
(1,5179)	1:59:A:VAL:HG12	1:59:A:VAL:HG13	4	0.4
(1,5179)	1:51:A:THR:HG22	1:51:A:THR:HG23	5	0.4
(1,5179)	1:59:A:VAL:HG11	1:59:A:VAL:HG13	6	0.4
(1,5179)	1:59:A:VAL:HG12	1:59:A:VAL:HG11	7	0.4
(1,5179)	1:51:A:THR:HG22	1:51:A:THR:HG23	8	0.4
(1,5179)	1:59:A:VAL:HG12	1:59:A:VAL:HG13	9	0.4
(1,5179)	1:33:A:THR:HG22	1:33:A:THR:HG23	10	0.4
(1,5179)	1:59:A:VAL:HG12	1:59:A:VAL:HG13	11	0.4
(1,5179)	1:59:A:VAL:HG11	1:59:A:VAL:HG13	12	0.4
(1,5179)	1:59:A:VAL:HG11	1:59:A:VAL:HG13	13	0.4
(1,5179)	1:51:A:THR:HG21	1:51:A:THR:HG22	14	0.4
(1,5179)	1:59:A:VAL:HG12	1:59:A:VAL:HG13	15	0.4
(1,5179)	1:51:A:THR:HG21	1:51:A:THR:HG23	16	0.4
(1,5179)	1:33:A:THR:HG22	1:33:A:THR:HG23	17	0.4
(1,5179)	1:51:A:THR:HG21	1:51:A:THR:HG23	18	0.4
(1,5179)	1:59:A:VAL:HG12	1:59:A:VAL:HG11	19	0.4
(1,5179)	1:51:A:THR:HG21	1:51:A:THR:HG23	20	0.4
(1,5132)	1:52:B:LYS:HB2	1:52:B:LYS:HG3	1	0.4
(1,5132)	1:52:B:LYS:HD3	1:52:B:LYS:HG2	3	0.4
(1,5132)	1:97:B:LYS:HB2	1:97:B:LYS:HG2	9	0.4
(1,5131)	1:52:A:LYS:HB2	1:52:A:LYS:HG3	1	0.4
(1,5131)	1:52:A:LYS:HD3	1:52:A:LYS:HG2	3	0.4
(1,5131)	1:97:A:LYS:HB2	1:97:A:LYS:HG2	9	0.4
(1,5128)	1:36:B:LYS:HD2	1:36:B:LYS:HE3	16	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5127)	1:36:A:LYS:HD2	1:36:A:LYS:HE3	16	0.4
(1,5030)	1:65:B:LYS:HG2	1:65:B:LYS:HA	14	0.4
(1,4897)	1:88:A:ALA:HB3	1:17:B:LEU:HD12	4	0.4
(1,4882)	1:37:B:THR:HG23	1:40:B:LEU:HB2	15	0.4
(1,4756)	1:46:B:GLU:HB2	1:45:B:THR:HG23	9	0.4
(1,4755)	1:46:A:GLU:HB2	1:45:A:THR:HG23	9	0.4
(1,4724)	1:17:B:LEU:HG	1:17:A:LEU:HG	5	0.4
(1,4723)	1:17:A:LEU:HG	1:17:B:LEU:HG	5	0.4
(1,4716)	1:17:B:LEU:HD21	1:13:A:CYS:HB2	13	0.4
(1,4704)	1:67:B:LEU:H	1:67:B:LEU:HD21	5	0.4
(1,4704)	1:67:B:LEU:H	1:67:B:LEU:HD22	19	0.4
(1,4703)	1:67:A:LEU:H	1:67:A:LEU:HD22	19	0.4
(1,4675)	1:89:A:MET:HG3	1:78:B:SER:HB3	1	0.4
(1,4675)	1:89:A:MET:HG3	1:78:B:SER:HB3	2	0.4
(1,4675)	1:89:A:MET:HG3	1:78:B:SER:HB3	11	0.4
(1,4577)	1:65:A:LYS:HD2	1:68:A:ASP:HA	8	0.4
(1,4572)	1:47:B:LEU:HD11	1:39:B:PHE:HA	16	0.4
(1,4571)	1:47:A:LEU:HD11	1:39:A:PHE:HA	16	0.4
(1,4565)	1:65:A:LYS:HD2	1:68:A:ASP:HA	8	0.4
(1,4456)	1:57:B:PRO:HA	1:60:B:LEU:HD12	3	0.4
(1,4455)	1:57:A:PRO:HA	1:60:A:LEU:HD12	3	0.4
(1,4427)	1:83:A:LEU:HD12	1:87:A:LEU:H	16	0.4
(1,4334)	1:68:B:ASP:HB2	1:67:B:LEU:HB2	11	0.4
(1,4333)	1:68:A:ASP:HB2	1:67:A:LEU:HB2	11	0.4
(1,4326)	1:43:B:MET:H	1:60:B:LEU:HD11	7	0.4
(1,4325)	1:43:A:MET:H	1:60:A:LEU:HD11	7	0.4
(1,4319)	1:65:A:LYS:HD2	1:68:A:ASP:HA	8	0.4
(1,4282)	1:20:B:VAL:HG12	1:81:B:LEU:HD23	9	0.4
(1,4281)	1:20:A:VAL:HG12	1:81:A:LEU:HD23	9	0.4
(1,4270)	1:25:B:ALA:HB3	1:24:B:TYR:HB2	7	0.4
(1,4269)	1:25:A:ALA:HB3	1:24:A:TYR:HB2	7	0.4
(1,4266)	1:21:B:PHE:HB2	1:17:B:LEU:HB3	15	0.4
(1,4265)	1:21:A:PHE:HB2	1:17:A:LEU:HB3	15	0.4
(1,4237)	1:8:A:THR:HA	1:11:A:GLU:HB2	14	0.4
(1,4199)	1:42:A:PHE:HA	1:39:A:PHE:HA	11	0.4
(1,4196)	1:52:B:LYS:HD3	1:44:B:ASN:HB3	8	0.4
(1,4195)	1:52:A:LYS:HD3	1:44:A:ASN:HB3	8	0.4
(1,4188)	1:11:B:GLU:HA	1:13:B:CYS:HA	4	0.4
(1,4177)	1:8:A:THR:HG22	1:46:B:GLU:H	17	0.4
(1,4174)	1:67:B:LEU:HD21	1:81:B:LEU:HA	20	0.4
(1,4173)	1:67:A:LEU:HD21	1:81:A:LEU:HA	20	0.4
(1,4162)	1:22:B:GLN:HA	1:26:B:GLY:HA3	3	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4154)	1:82:B:ASN:HA	1:81:B:LEU:HB2	8	0.4
(1,4154)	1:82:B:ASN:HA	1:81:B:LEU:HB2	10	0.4
(1,4154)	1:82:B:ASN:HA	1:81:B:LEU:HB2	15	0.4
(1,4153)	1:82:A:ASN:HA	1:81:A:LEU:HB2	8	0.4
(1,4153)	1:82:A:ASN:HA	1:81:A:LEU:HB2	10	0.4
(1,4153)	1:82:A:ASN:HA	1:81:A:LEU:HB2	15	0.4
(1,4064)	1:23:B:LYS:HD3	1:24:B:TYR:H	1	0.4
(1,4063)	1:23:A:LYS:HD3	1:24:A:TYR:H	1	0.4
(1,4034)	1:49:B:ALA:HA	1:53:B:ASN:H	9	0.4
(1,4024)	1:83:B:LEU:HB3	1:82:B:ASN:HB2	14	0.4
(1,4023)	1:83:A:LEU:HB3	1:82:A:ASN:HB2	14	0.4
(1,4014)	1:66:B:LYS:H	1:66:B:LYS:HD2	4	0.4
(1,4013)	1:66:A:LYS:H	1:66:A:LYS:HD2	4	0.4
(1,3972)	1:34:B:LEU:HD12	1:80:B:PHE:HB3	13	0.4
(1,3971)	1:34:A:LEU:HD12	1:80:A:PHE:HB3	13	0.4
(1,3940)	1:75:B:LEU:HD13	1:67:B:LEU:H	19	0.4
(1,3939)	1:75:A:LEU:HD13	1:67:A:LEU:H	19	0.4
(1,3938)	1:65:B:LYS:HG2	1:64:B:MET:HA	12	0.4
(1,3937)	1:65:A:LYS:HG2	1:64:A:MET:HA	12	0.4
(1,3918)	1:19:B:ALA:H	1:20:B:VAL:HB	10	0.4
(1,3913)	1:35:A:SER:HA	1:34:A:LEU:HG	19	0.4
(1,3880)	1:69:B:THR:HB	1:70:B:ASN:HB3	10	0.4
(1,3864)	1:74:B:GLN:HG2	1:75:B:LEU:HD22	19	0.4
(1,3863)	1:74:A:GLN:HG2	1:75:A:LEU:HD22	19	0.4
(1,3854)	1:79:B:GLU:HA	1:81:B:LEU:HA	14	0.4
(1,3853)	1:79:A:GLU:HA	1:81:A:LEU:HA	14	0.4
(1,3850)	1:39:B:PHE:HB2	1:64:B:MET:HB2	9	0.4
(1,3849)	1:39:A:PHE:HB2	1:64:A:MET:HB2	9	0.4
(1,3842)	1:89:B:MET:HG3	1:86:B:GLY:H	4	0.4
(1,3842)	1:89:B:MET:HG3	1:86:B:GLY:H	14	0.4
(1,3841)	1:89:A:MET:HG3	1:86:A:GLY:H	14	0.4
(1,3834)	1:17:B:LEU:HD11	1:14:B:ILE:H	8	0.4
(1,3780)	1:48:B:ALA:HA	1:50:B:PHE:HB3	18	0.4
(1,3779)	1:48:A:ALA:HA	1:50:A:PHE:HB3	18	0.4
(1,3739)	1:11:A:GLU:HB2	1:8:A:THR:HB	19	0.4
(1,3732)	1:25:B:ALA:HB3	1:35:B:SER:HB2	18	0.4
(1,3731)	1:25:A:ALA:HB3	1:35:A:SER:HB2	18	0.4
(1,3730)	1:18:B:ILE:HG21	1:16:B:SER:HA	5	0.4
(1,3729)	1:18:A:ILE:HG21	1:16:A:SER:HA	5	0.4
(1,3684)	1:73:B:GLY:HA3	1:74:B:GLN:HB2	3	0.4
(1,3654)	1:8:B:THR:HB	1:10:B:THR:HA	7	0.4
(1,3653)	1:8:A:THR:HB	1:10:A:THR:HA	7	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3651)	1:47:A:LEU:HD21	1:10:B:THR:H	19	0.4
(1,3625)	1:34:A:LEU:HA	1:24:A:TYR:HB2	4	0.4
(1,3584)	1:77:B:PHE:HB2	1:79:B:GLU:H	7	0.4
(1,3584)	1:77:B:PHE:HB2	1:79:B:GLU:H	15	0.4
(1,3583)	1:77:A:PHE:HB2	1:79:A:GLU:H	7	0.4
(1,3583)	1:77:A:PHE:HB2	1:79:A:GLU:H	15	0.4
(1,3536)	1:18:B:ILE:HB	1:21:B:PHE:HB2	15	0.4
(1,3535)	1:18:A:ILE:HB	1:91:B:CYS:HB2	9	0.4
(1,3535)	1:18:A:ILE:HB	1:21:A:PHE:HB2	15	0.4
(1,3524)	1:73:B:GLY:HA3	1:64:B:MET:HG3	3	0.4
(1,3523)	1:73:A:GLY:HA3	1:64:A:MET:HG3	3	0.4
(1,3506)	1:69:B:THR:HB	1:82:B:ASN:HB2	3	0.4
(1,3505)	1:69:A:THR:HB	1:82:A:ASN:HB2	7	0.4
(1,3404)	1:9:B:GLU:HB3	1:16:A:SER:HB3	11	0.4
(1,3404)	1:9:B:GLU:HB3	1:16:A:SER:HB3	17	0.4
(1,3404)	1:9:B:GLU:HB3	1:16:A:SER:HB3	19	0.4
(1,3403)	1:9:A:GLU:HB3	1:16:B:SER:HB3	19	0.4
(1,3392)	1:17:B:LEU:HD12	1:13:A:CYS:HA	11	0.4
(1,3388)	1:17:B:LEU:HD22	1:88:A:ALA:HB3	16	0.4
(1,3387)	1:17:A:LEU:HD22	1:88:B:ALA:HB3	16	0.4
(1,3387)	1:17:A:LEU:HD22	1:88:B:ALA:HB1	17	0.4
(1,3380)	1:20:B:VAL:HG11	1:12:A:ARG:HG3	10	0.4
(1,3379)	1:20:A:VAL:HG11	1:12:B:ARG:HG3	10	0.4
(1,3378)	1:8:B:THR:HG22	1:48:A:ALA:HA	7	0.4
(1,3377)	1:8:A:THR:HG22	1:48:B:ALA:HA	7	0.4
(1,3354)	1:84:B:ILE:HG23	1:17:A:LEU:HD11	7	0.4
(1,3350)	1:14:B:ILE:HD13	1:88:A:ALA:HB2	2	0.4
(1,3137)	1:76:A:ASP:H	1:75:A:LEU:HD21	1	0.4
(1,2776)	1:50:B:PHE:H	1:47:B:LEU:HB2	19	0.4
(1,2775)	1:50:A:PHE:H	1:47:A:LEU:HB2	6	0.4
(1,2775)	1:50:A:PHE:H	1:47:A:LEU:HB2	19	0.4
(1,2697)	1:27:A:LYS:H	1:25:A:ALA:HB1	4	0.4
(1,2482)	1:78:B:SER:H	1:33:B:THR:HG23	6	0.4
(1,1454)	1:48:B:ALA:HA	1:51:B:THR:HG23	5	0.4
(1,1453)	1:48:A:ALA:HA	1:51:A:THR:HG23	5	0.4
(1,1308)	1:75:B:LEU:HD13	1:75:B:LEU:HA	13	0.4
(1,1307)	1:75:A:LEU:HD13	1:75:A:LEU:HA	13	0.4
(1,1238)	1:62:B:ARG:HB3	1:59:B:VAL:HA	8	0.4
(1,1237)	1:62:A:ARG:HB3	1:59:A:VAL:HA	8	0.4
(1,1029)	1:38:A:GLU:HB3	1:24:A:TYR:HB2	1	0.4
(1,1024)	1:53:B:ASN:HA	1:52:B:LYS:HG2	5	0.4
(1,1024)	1:53:B:ASN:HA	1:52:B:LYS:HG2	7	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1023)	1:53:A:ASN:HA	1:52:A:LYS:HG2	5	0.4
(1,1023)	1:53:A:ASN:HA	1:52:A:LYS:HG3	9	0.4
(1,1016)	1:9:B:GLU:HG2	1:13:B:CYS:HB3	13	0.4
(1,1015)	1:9:A:GLU:HG2	1:13:A:CYS:HB3	13	0.4
(1,942)	1:18:B:ILE:HG23	1:15:B:GLU:HB3	14	0.4
(1,941)	1:18:A:ILE:HG23	1:15:A:GLU:HB3	14	0.4
(1,856)	1:9:B:GLU:HG3	1:17:A:LEU:HD21	6	0.4
(1,855)	1:9:A:GLU:HG3	1:17:B:LEU:HD21	6	0.4
(1,823)	1:49:A:ALA:HB3	1:7:B:PRO:HA	4	0.4
(1,692)	1:15:B:GLU:HG2	1:16:B:SER:H	1	0.4
(1,692)	1:15:B:GLU:HG2	1:16:B:SER:H	18	0.4
(1,692)	1:15:B:GLU:HG2	1:16:B:SER:H	19	0.4
(1,691)	1:15:A:GLU:HG2	1:16:A:SER:H	18	0.4
(1,691)	1:15:A:GLU:HG2	1:16:A:SER:H	19	0.4
(1,688)	1:46:B:GLU:HG3	1:20:B:VAL:HG21	5	0.4
(1,476)	1:67:B:LEU:HB3	1:75:B:LEU:HB2	7	0.4
(1,476)	1:67:B:LEU:HB3	1:75:B:LEU:HB2	15	0.4
(1,475)	1:67:A:LEU:HB3	1:75:A:LEU:HB2	7	0.4
(1,475)	1:67:A:LEU:HB3	1:75:A:LEU:HB2	15	0.4
(1,444)	1:15:B:GLU:HG3	1:91:A:CYS:HB2	7	0.4
(1,422)	1:18:B:ILE:HG23	1:95:A:PHE:H	20	0.4
(1,421)	1:18:A:ILE:HG21	1:95:B:PHE:H	13	0.4
(1,421)	1:18:A:ILE:HG23	1:95:B:PHE:H	20	0.4
(1,364)	1:47:B:LEU:HD21	1:10:A:THR:H	11	0.4
(1,356)	1:60:B:LEU:HB2	1:61:B:ASP:HB3	15	0.4
(1,355)	1:60:A:LEU:HB2	1:61:A:ASP:HB3	15	0.4
(1,304)	1:22:B:GLN:HB2	1:18:B:ILE:H	5	0.4
(1,304)	1:22:B:GLN:HB3	1:18:B:ILE:H	6	0.4
(1,303)	1:22:A:GLN:HB2	1:18:A:ILE:H	5	0.4
(1,303)	1:22:A:GLN:HB3	1:18:A:ILE:H	6	0.4
(1,217)	1:18:A:ILE:HA	1:95:B:PHE:HB2	15	0.4
(1,210)	1:76:B:ASP:HA	1:34:B:LEU:HB3	15	0.4
(1,209)	1:76:A:ASP:HA	1:34:A:LEU:HB3	15	0.4
(1,146)	1:78:B:SER:HB2	1:81:B:LEU:HB3	12	0.4
(1,145)	1:78:A:SER:HB2	1:81:A:LEU:HB3	12	0.4
(1,39)	1:87:A:LEU:HD22	1:14:B:ILE:HD11	19	0.4
(1,12)	1:18:B:ILE:HG22	1:94:A:SER:HB3	18	0.4
(1,5744)	1:16:B:SER:H	1:15:B:GLU:HA	2	0.39
(1,5744)	1:28:B:ASP:H	1:27:B:LYS:HA	7	0.39
(1,5744)	1:16:B:SER:H	1:15:B:GLU:HA	9	0.39
(1,5744)	1:16:B:SER:H	1:15:B:GLU:HA	11	0.39
(1,5744)	1:16:B:SER:H	1:15:B:GLU:HA	18	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5744)	1:16:B:SER:H	1:15:B:GLU:HA	19	0.39
(1,5743)	1:16:A:SER:H	1:15:A:GLU:HA	2	0.39
(1,5743)	1:28:A:ASP:H	1:27:A:LYS:HA	7	0.39
(1,5743)	1:16:A:SER:H	1:15:A:GLU:HA	9	0.39
(1,5743)	1:16:A:SER:H	1:15:A:GLU:HA	11	0.39
(1,5743)	1:16:A:SER:H	1:15:A:GLU:HA	14	0.39
(1,5743)	1:16:A:SER:H	1:15:A:GLU:HA	18	0.39
(1,5743)	1:16:A:SER:H	1:15:A:GLU:HA	19	0.39
(1,5682)	1:87:B:LEU:H	1:87:B:LEU:HD11	3	0.39
(1,5681)	1:87:A:LEU:H	1:87:A:LEU:HD11	3	0.39
(1,5534)	1:82:B:ASN:H	1:80:B:PHE:HA	17	0.39
(1,5472)	1:80:B:PHE:H	1:75:B:LEU:HD11	3	0.39
(1,5464)	1:45:B:THR:H	1:46:B:GLU:HB2	6	0.39
(1,5440)	1:93:B:ASP:H	1:96:B:LEU:HB2	13	0.39
(1,5439)	1:93:A:ASP:H	1:96:A:LEU:HB2	13	0.39
(1,5356)	1:19:B:ALA:H	1:17:B:LEU:HB2	19	0.39
(1,5355)	1:19:A:ALA:H	1:17:A:LEU:HB2	19	0.39
(1,5351)	1:41:A:SER:H	1:42:A:PHE:HB2	14	0.39
(1,5314)	1:92:B:HIS:H	1:81:A:LEU:HD13	6	0.39
(1,5313)	1:92:A:HIS:H	1:81:B:LEU:HD13	6	0.39
(1,5296)	1:76:B:ASP:H	1:33:B:THR:HB	18	0.39
(1,5295)	1:76:A:ASP:H	1:33:A:THR:HB	18	0.39
(1,5284)	1:98:B:ALA:H	1:96:B:LEU:HD21	19	0.39
(1,5283)	1:98:A:ALA:H	1:96:A:LEU:HD21	19	0.39
(1,5265)	1:8:A:THR:H	1:47:B:LEU:HD21	12	0.39
(1,5201)	1:40:A:LEU:H	1:64:A:MET:HG2	17	0.39
(1,5132)	1:97:B:LYS:HB3	1:97:B:LYS:HG2	10	0.39
(1,5131)	1:97:A:LYS:HB3	1:97:A:LYS:HG2	10	0.39
(1,5128)	1:36:B:LYS:HD2	1:36:B:LYS:HE3	2	0.39
(1,5128)	1:66:B:LYS:HD3	1:66:B:LYS:HE2	8	0.39
(1,5128)	1:66:B:LYS:HD2	1:66:B:LYS:HE3	15	0.39
(1,5127)	1:36:A:LYS:HD2	1:36:A:LYS:HE3	2	0.39
(1,5127)	1:66:A:LYS:HD3	1:66:A:LYS:HE2	8	0.39
(1,5127)	1:66:A:LYS:HD2	1:66:A:LYS:HE3	15	0.39
(1,5062)	1:52:B:LYS:HG2	1:52:B:LYS:HA	3	0.39
(1,5062)	1:66:B:LYS:HG2	1:66:B:LYS:HA	17	0.39
(1,5061)	1:66:A:LYS:HG2	1:66:A:LYS:HA	17	0.39
(1,5034)	1:24:B:TYR:HA	1:27:B:LYS:HD2	19	0.39
(1,5033)	1:24:A:TYR:HA	1:27:A:LYS:HD2	19	0.39
(1,5030)	1:65:B:LYS:HG2	1:65:B:LYS:HA	20	0.39
(1,5029)	1:65:A:LYS:HG2	1:65:A:LYS:HA	20	0.39
(1,4904)	1:82:B:ASN:HB2	1:80:B:PHE:HB3	5	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4903)	1:82:A:ASN:HB2	1:80:A:PHE:HB3	5	0.39
(1,4884)	1:68:B:ASP:HA	1:33:B:THR:HG22	14	0.39
(1,4883)	1:68:A:ASP:HA	1:33:A:THR:HG22	14	0.39
(1,4881)	1:37:A:THR:HG23	1:40:A:LEU:HB2	15	0.39
(1,4862)	1:68:B:ASP:HA	1:33:B:THR:HG22	14	0.39
(1,4861)	1:68:A:ASP:HA	1:33:A:THR:HG22	14	0.39
(1,4779)	1:14:A:ILE:HD13	1:88:B:ALA:HA	9	0.39
(1,4756)	1:37:B:THR:HG23	1:27:B:LYS:HD3	8	0.39
(1,4755)	1:37:A:THR:HG23	1:27:A:LYS:HD3	8	0.39
(1,4717)	1:87:A:LEU:HD21	1:14:B:ILE:HB	9	0.39
(1,4704)	1:67:B:LEU:H	1:67:B:LEU:HD23	11	0.39
(1,4704)	1:67:B:LEU:H	1:67:B:LEU:HD21	17	0.39
(1,4704)	1:67:B:LEU:H	1:67:B:LEU:HD22	18	0.39
(1,4703)	1:67:A:LEU:H	1:67:A:LEU:HD23	11	0.39
(1,4703)	1:67:A:LEU:H	1:67:A:LEU:HD21	17	0.39
(1,4703)	1:67:A:LEU:H	1:67:A:LEU:HD22	18	0.39
(1,4696)	1:20:B:VAL:HG12	1:17:B:LEU:HD11	9	0.39
(1,4676)	1:89:B:MET:HG3	1:78:A:SER:HB3	1	0.39
(1,4676)	1:89:B:MET:HG3	1:78:A:SER:HB3	2	0.39
(1,4676)	1:89:B:MET:HG3	1:78:A:SER:HB3	7	0.39
(1,4676)	1:89:B:MET:HG3	1:78:A:SER:HB3	11	0.39
(1,4644)	1:10:B:THR:HG22	1:20:A:VAL:HB	9	0.39
(1,4634)	1:14:B:ILE:H	1:14:B:ILE:HD11	5	0.39
(1,4634)	1:14:B:ILE:H	1:14:B:ILE:HD13	11	0.39
(1,4633)	1:14:A:ILE:H	1:14:A:ILE:HD11	5	0.39
(1,4633)	1:14:A:ILE:H	1:14:A:ILE:HD13	11	0.39
(1,4633)	1:14:A:ILE:H	1:14:A:ILE:HD11	20	0.39
(1,4578)	1:65:B:LYS:HD2	1:68:B:ASP:HA	8	0.39
(1,4572)	1:47:B:LEU:HD11	1:39:B:PHE:HA	11	0.39
(1,4571)	1:47:A:LEU:HD11	1:39:A:PHE:HA	11	0.39
(1,4566)	1:65:B:LYS:HD2	1:68:B:ASP:HA	8	0.39
(1,4547)	1:50:A:PHE:HB2	1:47:A:LEU:HD23	16	0.39
(1,4546)	1:23:B:LYS:HE2	1:46:B:GLU:HG3	17	0.39
(1,4545)	1:23:A:LYS:HE2	1:46:A:GLU:HG3	17	0.39
(1,4496)	1:89:B:MET:HA	1:81:A:LEU:HD12	11	0.39
(1,4495)	1:89:A:MET:HA	1:81:B:LEU:HD12	11	0.39
(1,4456)	1:57:B:PRO:HA	1:60:B:LEU:HD13	12	0.39
(1,4428)	1:83:B:LEU:HD12	1:87:B:LEU:H	16	0.39
(1,4422)	1:42:B:PHE:HA	1:45:B:THR:HG21	12	0.39
(1,4384)	1:11:B:GLU:HB3	1:14:B:ILE:HD12	1	0.39
(1,4383)	1:11:A:GLU:HB3	1:14:A:ILE:HD12	1	0.39
(1,4348)	1:82:B:ASN:HB2	1:80:B:PHE:HB3	5	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4347)	1:82:A:ASN:HB2	1:80:A:PHE:HB3	5	0.39
(1,4334)	1:68:B:ASP:HB2	1:67:B:LEU:HB2	3	0.39
(1,4333)	1:68:A:ASP:HB2	1:67:A:LEU:HB2	3	0.39
(1,4320)	1:65:B:LYS:HD2	1:68:B:ASP:HA	8	0.39
(1,4262)	1:63:B:MET:HG2	1:59:B:VAL:HA	3	0.39
(1,4261)	1:63:A:MET:HG2	1:59:A:VAL:HA	3	0.39
(1,4238)	1:8:B:THR:HA	1:11:B:GLU:HB2	14	0.39
(1,4234)	1:68:B:ASP:HB2	1:65:B:LYS:HD3	18	0.39
(1,4233)	1:68:A:ASP:HB2	1:65:A:LYS:HD3	18	0.39
(1,4200)	1:42:B:PHE:HA	1:39:B:PHE:HA	11	0.39
(1,4192)	1:61:B:ASP:HB3	1:40:B:LEU:HD21	4	0.39
(1,4172)	1:44:B:ASN:HB2	1:43:B:MET:HB2	6	0.39
(1,4171)	1:44:A:ASN:HB2	1:43:A:MET:HB2	6	0.39
(1,4150)	1:13:B:CYS:HB2	1:17:A:LEU:HG	20	0.39
(1,4149)	1:13:A:CYS:HB2	1:17:B:LEU:HG	20	0.39
(1,4112)	1:13:B:CYS:HB3	1:17:A:LEU:HG	16	0.39
(1,4111)	1:13:A:CYS:HB3	1:17:B:LEU:HG	16	0.39
(1,4094)	1:38:B:GLU:HB3	1:27:B:LYS:HE3	4	0.39
(1,4093)	1:38:A:GLU:HB3	1:27:A:LYS:HE3	4	0.39
(1,4090)	1:60:B:LEU:HB3	1:64:B:MET:H	19	0.39
(1,4089)	1:60:A:LEU:HB3	1:64:A:MET:H	19	0.39
(1,4076)	1:53:B:ASN:HA	1:52:B:LYS:HB2	15	0.39
(1,4075)	1:53:A:ASN:HA	1:52:A:LYS:HB2	15	0.39
(1,4074)	1:15:B:GLU:HA	1:18:B:ILE:HA	9	0.39
(1,4073)	1:15:A:GLU:HA	1:18:A:ILE:HA	9	0.39
(1,4062)	1:66:B:LYS:H	1:65:B:LYS:HG2	13	0.39
(1,4061)	1:66:A:LYS:H	1:65:A:LYS:HG2	13	0.39
(1,4046)	1:11:B:GLU:HB2	1:10:B:THR:HG23	6	0.39
(1,4045)	1:11:A:GLU:HB2	1:10:A:THR:HG23	6	0.39
(1,4033)	1:49:A:ALA:HA	1:53:A:ASN:H	9	0.39
(1,4014)	1:66:B:LYS:H	1:66:B:LYS:HD2	20	0.39
(1,4013)	1:66:A:LYS:H	1:66:A:LYS:HD2	20	0.39
(1,3998)	1:51:B:THR:HG21	1:44:B:ASN:HB3	20	0.39
(1,3997)	1:51:A:THR:HG21	1:44:A:ASN:HB3	20	0.39
(1,3930)	1:74:B:GLN:HA	1:34:B:LEU:HB3	14	0.39
(1,3929)	1:74:A:GLN:HA	1:34:A:LEU:HB3	14	0.39
(1,3917)	1:19:A:ALA:H	1:20:A:VAL:HB	10	0.39
(1,3914)	1:35:B:SER:HA	1:34:B:LEU:HG	4	0.39
(1,3914)	1:35:B:SER:HA	1:34:B:LEU:HG	19	0.39
(1,3913)	1:35:A:SER:HA	1:34:A:LEU:HG	4	0.39
(1,3890)	1:17:B:LEU:HB2	1:18:B:ILE:HB	15	0.39
(1,3889)	1:17:A:LEU:HB2	1:18:A:ILE:HB	15	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3879)	1:69:A:THR:HB	1:70:A:ASN:HB3	10	0.39
(1,3846)	1:8:B:THR:HA	1:12:B:ARG:HG2	19	0.39
(1,3845)	1:8:A:THR:HA	1:12:A:ARG:HG2	7	0.39
(1,3845)	1:8:A:THR:HA	1:12:A:ARG:HG2	19	0.39
(1,3841)	1:89:A:MET:HG3	1:86:A:GLY:H	1	0.39
(1,3841)	1:89:A:MET:HG3	1:86:A:GLY:H	4	0.39
(1,3834)	1:17:B:LEU:HD11	1:14:B:ILE:H	11	0.39
(1,3833)	1:17:A:LEU:HD11	1:14:A:ILE:H	11	0.39
(1,3756)	1:39:B:PHE:HB2	1:36:B:LYS:HD2	4	0.39
(1,3755)	1:39:A:PHE:HB2	1:36:A:LYS:HD2	4	0.39
(1,3752)	1:11:B:GLU:HB2	1:8:B:THR:HB	2	0.39
(1,3752)	1:11:B:GLU:HB2	1:8:B:THR:HB	6	0.39
(1,3751)	1:11:A:GLU:HB2	1:8:A:THR:HB	2	0.39
(1,3751)	1:11:A:GLU:HB2	1:8:A:THR:HB	6	0.39
(1,3740)	1:11:B:GLU:HB2	1:8:B:THR:HB	19	0.39
(1,3704)	1:39:B:PHE:HB2	1:36:B:LYS:HG3	7	0.39
(1,3703)	1:39:A:PHE:HB2	1:36:A:LYS:HG3	7	0.39
(1,3702)	1:52:B:LYS:HD2	1:44:B:ASN:HB3	20	0.39
(1,3683)	1:73:A:GLY:HA3	1:74:A:GLN:HB2	3	0.39
(1,3632)	1:65:B:LYS:HG2	1:61:B:ASP:HB3	8	0.39
(1,3626)	1:34:B:LEU:HA	1:24:B:TYR:HB2	4	0.39
(1,3536)	1:18:B:ILE:HB	1:91:A:CYS:HB3	1	0.39
(1,3535)	1:18:A:ILE:HB	1:91:B:CYS:HB3	1	0.39
(1,3533)	1:47:A:LEU:HB2	1:11:B:GLU:HG3	20	0.39
(1,3508)	1:46:B:GLU:HB3	1:45:B:THR:HB	12	0.39
(1,3507)	1:46:A:GLU:HB3	1:45:A:THR:HB	12	0.39
(1,3468)	1:75:B:LEU:HB3	1:33:B:THR:HA	19	0.39
(1,3467)	1:75:A:LEU:HB3	1:33:A:THR:HA	19	0.39
(1,3419)	1:11:A:GLU:HA	1:47:B:LEU:HA	4	0.39
(1,3403)	1:9:A:GLU:HB3	1:16:B:SER:HB3	11	0.39
(1,3391)	1:17:A:LEU:HD12	1:13:B:CYS:HA	11	0.39
(1,3381)	1:87:A:LEU:HD21	1:14:B:ILE:HB	9	0.39
(1,3380)	1:20:B:VAL:HG12	1:12:A:ARG:HG3	11	0.39
(1,3379)	1:20:A:VAL:HG12	1:12:B:ARG:HG3	11	0.39
(1,3354)	1:84:B:ILE:HG22	1:17:A:LEU:HD12	12	0.39
(1,3353)	1:84:A:ILE:HG22	1:17:B:LEU:HD12	12	0.39
(1,3254)	1:62:B:ARG:H	1:61:B:ASP:HB2	2	0.39
(1,3253)	1:62:A:ARG:H	1:61:A:ASP:HB2	2	0.39
(1,2776)	1:50:B:PHE:H	1:47:B:LEU:HB2	1	0.39
(1,2776)	1:50:B:PHE:H	1:47:B:LEU:HB2	3	0.39
(1,2776)	1:50:B:PHE:H	1:47:B:LEU:HB2	6	0.39
(1,2775)	1:50:A:PHE:H	1:47:A:LEU:HB2	1	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2775)	1:50:A:PHE:H	1:47:A:LEU:HB2	3	0.39
(1,2768)	1:80:B:PHE:H	1:75:B:LEU:HB2	20	0.39
(1,2767)	1:80:A:PHE:H	1:75:A:LEU:HB2	20	0.39
(1,2726)	1:77:B:PHE:H	1:33:B:THR:HG21	15	0.39
(1,2725)	1:77:A:PHE:H	1:33:A:THR:HG21	15	0.39
(1,2140)	1:27:B:LYS:HD3	1:27:B:LYS:HB3	16	0.39
(1,2139)	1:27:A:LYS:HD3	1:27:A:LYS:HB3	16	0.39
(1,1828)	1:57:B:PRO:HD3	1:57:B:PRO:HA	15	0.39
(1,1827)	1:57:A:PRO:HD3	1:57:A:PRO:HA	15	0.39
(1,1638)	1:38:B:GLU:HA	1:27:B:LYS:HD2	14	0.39
(1,1608)	1:47:B:LEU:HB2	1:50:B:PHE:HB3	1	0.39
(1,1607)	1:47:A:LEU:HB2	1:50:A:PHE:HB3	1	0.39
(1,1579)	1:57:A:PRO:HD2	1:57:A:PRO:HB2	17	0.39
(1,1454)	1:48:B:ALA:HA	1:51:B:THR:HG23	18	0.39
(1,1453)	1:48:A:ALA:HA	1:51:A:THR:HG23	18	0.39
(1,1330)	1:48:B:ALA:H	1:43:B:MET:HB3	10	0.39
(1,1329)	1:48:A:ALA:H	1:43:A:MET:HB3	10	0.39
(1,1308)	1:75:B:LEU:HD12	1:75:B:LEU:HA	6	0.39
(1,1308)	1:75:B:LEU:HD11	1:75:B:LEU:HA	8	0.39
(1,1307)	1:75:A:LEU:HD12	1:75:A:LEU:HA	5	0.39
(1,1307)	1:75:A:LEU:HD12	1:75:A:LEU:HA	6	0.39
(1,1307)	1:75:A:LEU:HD11	1:75:A:LEU:HA	8	0.39
(1,1222)	1:89:B:MET:HG2	1:88:B:ALA:HB3	15	0.39
(1,1221)	1:89:A:MET:HG2	1:88:A:ALA:HB3	15	0.39
(1,1166)	1:81:B:LEU:HD22	1:80:B:PHE:HB3	5	0.39
(1,1165)	1:81:A:LEU:HD22	1:80:A:PHE:HB3	5	0.39
(1,1030)	1:38:B:GLU:HB3	1:24:B:TYR:HB2	1	0.39
(1,1024)	1:53:B:ASN:HA	1:52:B:LYS:HG2	1	0.39
(1,1024)	1:53:B:ASN:HA	1:52:B:LYS:HG2	18	0.39
(1,1023)	1:53:A:ASN:HA	1:52:A:LYS:HG2	1	0.39
(1,884)	1:34:B:LEU:HB3	1:80:B:PHE:HB2	1	0.39
(1,883)	1:34:A:LEU:HB3	1:80:A:PHE:HB2	1	0.39
(1,836)	1:59:B:VAL:HG23	1:62:B:ARG:H	2	0.39
(1,836)	1:59:B:VAL:HG21	1:62:B:ARG:H	16	0.39
(1,692)	1:15:B:GLU:HG2	1:16:B:SER:H	3	0.39
(1,687)	1:46:A:GLU:HG3	1:20:A:VAL:HG21	5	0.39
(1,650)	1:15:B:GLU:HG2	1:16:B:SER:H	16	0.39
(1,649)	1:15:A:GLU:HG2	1:16:A:SER:H	16	0.39
(1,484)	1:14:B:ILE:HB	1:10:B:THR:HG21	13	0.39
(1,483)	1:14:A:ILE:HB	1:10:A:THR:HG21	13	0.39
(1,443)	1:15:A:GLU:HG3	1:91:B:CYS:HB3	11	0.39
(1,432)	1:48:B:ALA:HB3	1:44:B:ASN:HB3	15	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,431)	1:48:A:ALA:HB3	1:44:A:ASN:HB3	15	0.39
(1,384)	1:97:B:LYS:HG2	1:93:B:ASP:HB3	8	0.39
(1,363)	1:47:A:LEU:HD21	1:10:B:THR:H	11	0.39
(1,356)	1:60:B:LEU:HB2	1:61:B:ASP:HB3	11	0.39
(1,356)	1:60:B:LEU:HB2	1:61:B:ASP:HB3	17	0.39
(1,355)	1:60:A:LEU:HB2	1:61:A:ASP:HB3	17	0.39
(1,304)	1:22:B:GLN:HB2	1:18:B:ILE:H	4	0.39
(1,304)	1:22:B:GLN:HB2	1:18:B:ILE:H	15	0.39
(1,303)	1:22:A:GLN:HB2	1:18:A:ILE:H	4	0.39
(1,303)	1:22:A:GLN:HB2	1:18:A:ILE:H	15	0.39
(1,303)	1:22:A:GLN:HB2	1:18:A:ILE:H	16	0.39
(1,302)	1:22:B:GLN:HB2	1:25:B:ALA:HB2	17	0.39
(1,301)	1:22:A:GLN:HB2	1:25:A:ALA:HB2	17	0.39
(1,254)	1:57:B:PRO:HD3	1:59:B:VAL:HG12	5	0.39
(1,253)	1:57:A:PRO:HD3	1:59:A:VAL:HG12	5	0.39
(1,251)	1:76:A:ASP:HB2	1:77:A:PHE:HB2	13	0.39
(1,146)	1:78:B:SER:HB3	1:81:B:LEU:HB3	7	0.39
(1,136)	1:89:B:MET:HG2	1:85:B:GLY:HA3	14	0.39
(1,135)	1:89:A:MET:HG2	1:85:A:GLY:HA3	14	0.39
(1,5744)	1:16:B:SER:H	1:15:B:GLU:HA	3	0.38
(1,5744)	1:16:B:SER:H	1:15:B:GLU:HA	5	0.38
(1,5744)	1:16:B:SER:H	1:15:B:GLU:HA	8	0.38
(1,5744)	1:16:B:SER:H	1:15:B:GLU:HA	14	0.38
(1,5743)	1:16:A:SER:H	1:15:A:GLU:HA	3	0.38
(1,5743)	1:16:A:SER:H	1:15:A:GLU:HA	5	0.38
(1,5743)	1:16:A:SER:H	1:15:A:GLU:HA	8	0.38
(1,5743)	1:16:A:SER:H	1:15:A:GLU:HA	17	0.38
(1,5682)	1:87:B:LEU:H	1:87:B:LEU:HD12	17	0.38
(1,5681)	1:87:A:LEU:H	1:87:A:LEU:HD12	17	0.38
(1,5534)	1:82:B:ASN:H	1:80:B:PHE:HA	3	0.38
(1,5533)	1:82:A:ASN:H	1:80:A:PHE:HA	3	0.38
(1,5533)	1:82:A:ASN:H	1:80:A:PHE:HA	17	0.38
(1,5478)	1:37:B:THR:H	1:40:B:LEU:HD21	19	0.38
(1,5476)	1:50:B:PHE:H	1:47:B:LEU:HD22	5	0.38
(1,5475)	1:50:A:PHE:H	1:47:A:LEU:HD22	5	0.38
(1,5472)	1:80:B:PHE:H	1:75:B:LEU:HD12	12	0.38
(1,5471)	1:80:A:PHE:H	1:75:A:LEU:HD11	3	0.38
(1,5471)	1:80:A:PHE:H	1:75:A:LEU:HD22	12	0.38
(1,5464)	1:45:B:THR:H	1:46:B:GLU:HB2	20	0.38
(1,5463)	1:45:A:THR:H	1:46:A:GLU:HB2	3	0.38
(1,5463)	1:45:A:THR:H	1:46:A:GLU:HB2	6	0.38
(1,5458)	1:95:B:PHE:H	1:96:B:LEU:HD21	10	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5457)	1:95:A:PHE:H	1:96:A:LEU:HD21	10	0.38
(1,5356)	1:19:B:ALA:H	1:9:A:GLU:HG2	7	0.38
(1,5356)	1:19:B:ALA:H	1:17:B:LEU:HB2	11	0.38
(1,5352)	1:41:B:SER:H	1:42:B:PHE:HB2	2	0.38
(1,5352)	1:41:B:SER:H	1:42:B:PHE:HB2	6	0.38
(1,5352)	1:41:B:SER:H	1:42:B:PHE:HB2	14	0.38
(1,5351)	1:41:A:SER:H	1:42:A:PHE:HB2	6	0.38
(1,5296)	1:76:B:ASP:H	1:33:B:THR:HB	2	0.38
(1,5295)	1:76:A:ASP:H	1:33:A:THR:HB	2	0.38
(1,5276)	1:94:B:SER:H	1:96:B:LEU:HD21	2	0.38
(1,5275)	1:94:A:SER:H	1:96:A:LEU:HD21	2	0.38
(1,5266)	1:8:B:THR:H	1:47:A:LEU:HD21	12	0.38
(1,5206)	1:44:B:ASN:H	1:60:B:LEU:HB2	12	0.38
(1,5205)	1:44:A:ASN:H	1:60:A:LEU:HB2	12	0.38
(1,5202)	1:40:B:LEU:H	1:64:B:MET:HG2	17	0.38
(1,5132)	1:97:B:LYS:HB3	1:97:B:LYS:HG2	13	0.38
(1,5132)	1:97:B:LYS:HB2	1:97:B:LYS:HG2	18	0.38
(1,5132)	1:97:B:LYS:HB3	1:97:B:LYS:HG2	19	0.38
(1,5131)	1:97:A:LYS:HB3	1:97:A:LYS:HG2	13	0.38
(1,5131)	1:97:A:LYS:HB2	1:97:A:LYS:HG2	18	0.38
(1,5131)	1:97:A:LYS:HB3	1:97:A:LYS:HG2	19	0.38
(1,5128)	1:36:B:LYS:HD2	1:36:B:LYS:HE3	6	0.38
(1,5128)	1:66:B:LYS:HD3	1:66:B:LYS:HE2	13	0.38
(1,5127)	1:36:A:LYS:HD2	1:36:A:LYS:HE3	6	0.38
(1,5127)	1:66:A:LYS:HD3	1:66:A:LYS:HE2	13	0.38
(1,5061)	1:52:A:LYS:HG2	1:52:A:LYS:HA	3	0.38
(1,4884)	1:68:B:ASP:HA	1:33:B:THR:HG22	1	0.38
(1,4862)	1:68:B:ASP:HA	1:33:B:THR:HG22	1	0.38
(1,4718)	1:87:B:LEU:HD21	1:11:A:GLU:HB3	8	0.38
(1,4718)	1:87:B:LEU:HD21	1:14:A:ILE:HB	9	0.38
(1,4717)	1:87:A:LEU:HD21	1:14:B:ILE:HB	3	0.38
(1,4706)	1:64:B:MET:HG3	1:36:B:LYS:HE3	9	0.38
(1,4705)	1:64:A:MET:HG3	1:36:A:LYS:HE3	9	0.38
(1,4704)	1:67:B:LEU:H	1:67:B:LEU:HD22	1	0.38
(1,4704)	1:67:B:LEU:H	1:67:B:LEU:HD23	20	0.38
(1,4703)	1:67:A:LEU:H	1:67:A:LEU:HD22	1	0.38
(1,4695)	1:20:A:VAL:HG12	1:17:A:LEU:HD11	9	0.38
(1,4676)	1:89:B:MET:HG3	1:78:A:SER:HB2	8	0.38
(1,4634)	1:14:B:ILE:H	1:14:B:ILE:HD13	8	0.38
(1,4634)	1:14:B:ILE:H	1:14:B:ILE:HD11	20	0.38
(1,4633)	1:14:A:ILE:H	1:14:A:ILE:HD13	8	0.38
(1,4630)	1:36:B:LYS:HE3	1:39:B:PHE:HB3	8	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4622)	1:89:B:MET:HA	1:88:B:ALA:HB1	20	0.38
(1,4621)	1:89:A:MET:HA	1:88:A:ALA:HB1	20	0.38
(1,4604)	1:47:B:LEU:HD12	1:42:B:PHE:HA	4	0.38
(1,4604)	1:47:B:LEU:HD13	1:42:B:PHE:HA	8	0.38
(1,4603)	1:47:A:LEU:HD12	1:42:A:PHE:HA	4	0.38
(1,4603)	1:47:A:LEU:HD13	1:42:A:PHE:HA	8	0.38
(1,4600)	1:43:B:MET:H	1:60:B:LEU:HD13	17	0.38
(1,4599)	1:43:A:MET:H	1:60:A:LEU:HD13	17	0.38
(1,4586)	1:63:B:MET:HG2	1:60:B:LEU:HD21	17	0.38
(1,4585)	1:63:A:MET:HG2	1:60:A:LEU:HD21	17	0.38
(1,4549)	1:88:A:ALA:HB3	1:91:A:CYS:HB3	16	0.38
(1,4548)	1:50:B:PHE:HB2	1:47:B:LEU:HD23	8	0.38
(1,4548)	1:50:B:PHE:HB2	1:47:B:LEU:HD23	16	0.38
(1,4547)	1:50:A:PHE:HB2	1:47:A:LEU:HD23	8	0.38
(1,4535)	1:64:A:MET:HG3	1:75:A:LEU:HD23	5	0.38
(1,4455)	1:57:A:PRO:HA	1:60:A:LEU:HD13	12	0.38
(1,4436)	1:20:B:VAL:HG11	1:21:B:PHE:HB3	16	0.38
(1,4435)	1:20:A:VAL:HG11	1:21:A:PHE:HB3	16	0.38
(1,4428)	1:83:B:LEU:HD11	1:87:B:LEU:H	20	0.38
(1,4427)	1:83:A:LEU:HD11	1:87:A:LEU:H	20	0.38
(1,4421)	1:42:A:PHE:HA	1:45:A:THR:HG21	12	0.38
(1,4384)	1:11:B:GLU:HB3	1:14:B:ILE:HD11	2	0.38
(1,4334)	1:68:B:ASP:HB2	1:67:B:LEU:HB2	12	0.38
(1,4333)	1:68:A:ASP:HB2	1:67:A:LEU:HB2	12	0.38
(1,4318)	1:67:B:LEU:HD23	1:63:B:MET:HG3	17	0.38
(1,4317)	1:67:A:LEU:HD23	1:63:A:MET:HG3	17	0.38
(1,4302)	1:34:B:LEU:HD13	1:80:B:PHE:HB3	19	0.38
(1,4301)	1:34:A:LEU:HD13	1:80:A:PHE:HB3	19	0.38
(1,4296)	1:102:B:GLN:HA	1:101:B:SER:HB2	7	0.38
(1,4278)	1:16:B:SER:HA	1:15:B:GLU:HB2	18	0.38
(1,4277)	1:16:A:SER:HA	1:15:A:GLU:HB2	18	0.38
(1,4262)	1:63:B:MET:HG2	1:59:B:VAL:HA	17	0.38
(1,4261)	1:63:A:MET:HG2	1:59:A:VAL:HA	17	0.38
(1,4191)	1:61:A:ASP:HB3	1:40:A:LEU:HD21	4	0.38
(1,4188)	1:11:B:GLU:HA	1:13:B:CYS:HA	1	0.38
(1,4188)	1:11:B:GLU:HA	1:13:B:CYS:HA	12	0.38
(1,4187)	1:11:A:GLU:HA	1:13:A:CYS:HA	1	0.38
(1,4187)	1:11:A:GLU:HA	1:13:A:CYS:HA	12	0.38
(1,4177)	1:8:A:THR:HG23	1:46:B:GLU:H	4	0.38
(1,4162)	1:22:B:GLN:HA	1:26:B:GLY:HA3	6	0.38
(1,4161)	1:22:A:GLN:HA	1:26:A:GLY:HA3	6	0.38
(1,4161)	1:22:A:GLN:HA	1:26:A:GLY:HA3	14	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4150)	1:13:B:CYS:HB2	1:17:A:LEU:HG	3	0.38
(1,4150)	1:13:B:CYS:HB2	1:17:A:LEU:HG	10	0.38
(1,4104)	1:42:B:PHE:HA	1:20:B:VAL:HB	16	0.38
(1,4103)	1:42:A:PHE:HA	1:20:A:VAL:HB	16	0.38
(1,4094)	1:38:B:GLU:HB3	1:27:B:LYS:HE3	17	0.38
(1,4090)	1:60:B:LEU:HB3	1:64:B:MET:H	12	0.38
(1,4089)	1:60:A:LEU:HB3	1:64:A:MET:H	12	0.38
(1,4064)	1:23:B:LYS:HD3	1:24:B:TYR:H	12	0.38
(1,4063)	1:23:A:LYS:HD3	1:24:A:TYR:H	12	0.38
(1,4044)	1:57:B:PRO:HG2	1:61:B:ASP:HB2	2	0.38
(1,4044)	1:57:B:PRO:HG2	1:61:B:ASP:HB2	9	0.38
(1,4043)	1:57:A:PRO:HG2	1:61:A:ASP:HB2	2	0.38
(1,4043)	1:57:A:PRO:HG2	1:61:A:ASP:HB2	9	0.38
(1,4033)	1:21:A:PHE:H	1:19:A:ALA:HA	13	0.38
(1,4024)	1:83:B:LEU:HB3	1:82:B:ASN:HB2	13	0.38
(1,4023)	1:83:A:LEU:HB3	1:82:A:ASN:HB2	13	0.38
(1,3980)	1:82:B:ASN:HA	1:67:B:LEU:HB3	3	0.38
(1,3979)	1:82:A:ASN:HA	1:67:A:LEU:HB3	3	0.38
(1,3917)	1:19:A:ALA:H	1:20:A:VAL:HB	20	0.38
(1,3914)	1:35:B:SER:HA	1:34:B:LEU:HG	15	0.38
(1,3913)	1:35:A:SER:HA	1:34:A:LEU:HG	15	0.38
(1,3890)	1:17:B:LEU:HB2	1:18:B:ILE:HB	8	0.38
(1,3890)	1:17:B:LEU:HB2	1:18:B:ILE:HB	11	0.38
(1,3889)	1:17:A:LEU:HB2	1:18:A:ILE:HB	8	0.38
(1,3889)	1:17:A:LEU:HB2	1:18:A:ILE:HB	11	0.38
(1,3880)	1:69:B:THR:HB	1:70:B:ASN:HB3	20	0.38
(1,3879)	1:69:A:THR:HB	1:70:A:ASN:HB3	20	0.38
(1,3846)	1:8:B:THR:HA	1:12:B:ARG:HG2	7	0.38
(1,3842)	1:89:B:MET:HG3	1:86:B:GLY:H	1	0.38
(1,3834)	1:17:B:LEU:HD13	1:14:B:ILE:H	17	0.38
(1,3834)	1:17:B:LEU:HD13	1:14:B:ILE:H	18	0.38
(1,3833)	1:17:A:LEU:HD13	1:14:A:ILE:H	18	0.38
(1,3808)	1:37:B:THR:HB	1:39:B:PHE:H	3	0.38
(1,3807)	1:37:A:THR:HB	1:39:A:PHE:H	3	0.38
(1,3800)	1:47:B:LEU:HA	1:87:B:LEU:HD12	5	0.38
(1,3799)	1:47:A:LEU:HA	1:87:A:LEU:HD12	5	0.38
(1,3789)	1:91:A:CYS:HA	1:18:B:ILE:HG23	14	0.38
(1,3779)	1:48:A:ALA:HA	1:50:A:PHE:HB3	20	0.38
(1,3756)	1:39:B:PHE:HB2	1:36:B:LYS:HD2	1	0.38
(1,3752)	1:11:B:GLU:HB2	1:8:B:THR:HB	7	0.38
(1,3751)	1:11:A:GLU:HB2	1:8:A:THR:HB	7	0.38
(1,3738)	1:65:B:LYS:H	1:67:B:LEU:HG	12	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3737)	1:65:A:LYS:H	1:67:A:LEU:HG	12	0.38
(1,3704)	1:39:B:PHE:HB2	1:60:B:LEU:HB3	11	0.38
(1,3703)	1:39:A:PHE:HB2	1:60:A:LEU:HB3	11	0.38
(1,3701)	1:52:A:LYS:HD2	1:44:A:ASN:HB3	20	0.38
(1,3691)	1:13:A:CYS:HB2	1:17:B:LEU:HB3	17	0.38
(1,3631)	1:65:A:LYS:HG2	1:61:A:ASP:HB3	8	0.38
(1,3604)	1:14:B:ILE:HB	1:13:B:CYS:HB3	8	0.38
(1,3603)	1:14:A:ILE:HB	1:13:A:CYS:HB3	8	0.38
(1,3603)	1:14:A:ILE:HB	1:91:B:CYS:HB3	11	0.38
(1,3584)	1:77:B:PHE:HB2	1:79:B:GLU:H	20	0.38
(1,3583)	1:77:A:PHE:HB2	1:79:A:GLU:H	20	0.38
(1,3540)	1:73:B:GLY:HA3	1:68:B:ASP:HB2	3	0.38
(1,3539)	1:73:A:GLY:HA3	1:68:A:ASP:HB2	3	0.38
(1,3534)	1:47:B:LEU:HB2	1:11:A:GLU:HG3	20	0.38
(1,3510)	1:7:B:PRO:HB2	1:12:B:ARG:HD3	14	0.38
(1,3506)	1:69:B:THR:HB	1:82:B:ASN:HB2	12	0.38
(1,3505)	1:69:A:THR:HB	1:82:A:ASN:HB2	12	0.38
(1,3442)	1:69:B:THR:HB	1:66:B:LYS:HG2	4	0.38
(1,3441)	1:69:A:THR:HB	1:66:A:LYS:HG2	4	0.38
(1,3420)	1:11:B:GLU:HA	1:47:A:LEU:HA	1	0.38
(1,3392)	1:17:B:LEU:HD11	1:13:A:CYS:HA	2	0.38
(1,3389)	1:17:A:LEU:HD23	1:17:B:LEU:HD12	8	0.38
(1,3388)	1:17:B:LEU:HD22	1:88:A:ALA:HB1	17	0.38
(1,3382)	1:87:B:LEU:HD21	1:11:A:GLU:HB3	8	0.38
(1,3382)	1:87:B:LEU:HD21	1:14:A:ILE:HB	9	0.38
(1,3381)	1:87:A:LEU:HD21	1:14:B:ILE:HB	3	0.38
(1,3380)	1:20:B:VAL:HG12	1:12:A:ARG:HG3	17	0.38
(1,3138)	1:76:B:ASP:H	1:75:B:LEU:HD23	2	0.38
(1,3137)	1:76:A:ASP:H	1:75:A:LEU:HD23	2	0.38
(1,2724)	1:78:B:SER:H	1:81:B:LEU:HD13	3	0.38
(1,2724)	1:78:B:SER:H	1:81:B:LEU:HD11	11	0.38
(1,2723)	1:78:A:SER:H	1:81:A:LEU:HD13	3	0.38
(1,2723)	1:78:A:SER:H	1:81:A:LEU:HD11	11	0.38
(1,2698)	1:27:B:LYS:H	1:25:B:ALA:HB1	10	0.38
(1,2697)	1:27:A:LYS:H	1:25:A:ALA:HB1	10	0.38
(1,2518)	1:41:B:SER:H	1:34:B:LEU:HD22	7	0.38
(1,2518)	1:41:B:SER:H	1:34:B:LEU:HD21	17	0.38
(1,2517)	1:41:A:SER:H	1:34:A:LEU:HD22	7	0.38
(1,2517)	1:41:A:SER:H	1:34:A:LEU:HD21	17	0.38
(1,1638)	1:38:B:GLU:HA	1:27:B:LYS:HD2	20	0.38
(1,1637)	1:38:A:GLU:HA	1:27:A:LYS:HD2	14	0.38
(1,1637)	1:38:A:GLU:HA	1:27:A:LYS:HD2	20	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1580)	1:57:B:PRO:HD2	1:57:B:PRO:HB2	17	0.38
(1,1308)	1:75:B:LEU:HD11	1:75:B:LEU:HA	1	0.38
(1,1308)	1:75:B:LEU:HD12	1:75:B:LEU:HA	5	0.38
(1,1308)	1:75:B:LEU:HD12	1:75:B:LEU:HA	10	0.38
(1,1307)	1:75:A:LEU:HD12	1:75:A:LEU:HA	10	0.38
(1,1238)	1:62:B:ARG:HB3	1:59:B:VAL:HA	11	0.38
(1,1238)	1:62:B:ARG:HB3	1:59:B:VAL:HA	19	0.38
(1,1237)	1:62:A:ARG:HB3	1:59:A:VAL:HA	11	0.38
(1,1237)	1:62:A:ARG:HB3	1:59:A:VAL:HA	19	0.38
(1,1198)	1:97:B:LYS:HB2	1:97:B:LYS:HE3	15	0.38
(1,1197)	1:97:A:LYS:HB2	1:97:A:LYS:HE3	15	0.38
(1,1166)	1:81:B:LEU:HD22	1:80:B:PHE:HB3	6	0.38
(1,1165)	1:81:A:LEU:HD22	1:80:A:PHE:HB3	6	0.38
(1,1023)	1:53:A:ASN:HA	1:52:A:LYS:HG2	18	0.38
(1,1016)	1:9:B:GLU:HG2	1:13:B:CYS:HB3	7	0.38
(1,1015)	1:9:A:GLU:HG2	1:13:A:CYS:HB3	7	0.38
(1,954)	1:47:B:LEU:H	1:51:B:THR:HG23	11	0.38
(1,953)	1:47:A:LEU:H	1:51:A:THR:HG23	11	0.38
(1,836)	1:59:B:VAL:HG22	1:62:B:ARG:H	7	0.38
(1,835)	1:59:A:VAL:HG22	1:62:A:ARG:H	7	0.38
(1,835)	1:59:A:VAL:HG21	1:62:A:ARG:H	16	0.38
(1,824)	1:49:B:ALA:HB2	1:7:A:PRO:HA	9	0.38
(1,823)	1:49:A:ALA:HB2	1:7:B:PRO:HA	9	0.38
(1,692)	1:15:B:GLU:HG2	1:16:B:SER:H	11	0.38
(1,692)	1:15:B:GLU:HG2	1:16:B:SER:H	14	0.38
(1,691)	1:15:A:GLU:HG2	1:16:A:SER:H	2	0.38
(1,691)	1:15:A:GLU:HG2	1:16:A:SER:H	3	0.38
(1,691)	1:15:A:GLU:HG2	1:16:A:SER:H	11	0.38
(1,650)	1:15:B:GLU:HG2	1:16:B:SER:H	4	0.38
(1,649)	1:15:A:GLU:HG2	1:16:A:SER:H	4	0.38
(1,649)	1:15:A:GLU:HG2	1:16:A:SER:H	7	0.38
(1,519)	1:74:A:GLN:HG3	1:75:A:LEU:HA	14	0.38
(1,443)	1:15:A:GLU:HG3	1:91:B:CYS:HB2	7	0.38
(1,432)	1:48:B:ALA:HB1	1:44:B:ASN:HB3	17	0.38
(1,383)	1:97:A:LYS:HG2	1:93:A:ASP:HB3	8	0.38
(1,364)	1:47:B:LEU:HD21	1:10:A:THR:H	2	0.38
(1,355)	1:60:A:LEU:HB2	1:61:A:ASP:HB3	2	0.38
(1,355)	1:60:A:LEU:HB2	1:61:A:ASP:HB3	11	0.38
(1,355)	1:60:A:LEU:HB2	1:61:A:ASP:HB3	19	0.38
(1,304)	1:22:B:GLN:HB2	1:18:B:ILE:H	16	0.38
(1,302)	1:22:B:GLN:HB3	1:25:B:ALA:HB3	11	0.38
(1,301)	1:22:A:GLN:HB3	1:25:A:ALA:HB3	11	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,252)	1:76:B:ASP:HB2	1:77:B:PHE:HB2	13	0.38
(1,220)	1:75:B:LEU:HD12	1:68:B:ASP:HA	11	0.38
(1,219)	1:75:A:LEU:HD12	1:68:A:ASP:HA	11	0.38
(1,218)	1:18:B:ILE:HA	1:95:A:PHE:HB2	15	0.38
(1,190)	1:46:B:GLU:HG3	1:24:B:TYR:H	7	0.38
(1,189)	1:46:A:GLU:HG3	1:24:A:TYR:H	7	0.38
(1,148)	1:18:B:ILE:HG23	1:92:A:HIS:H	3	0.38
(1,145)	1:78:A:SER:HB3	1:81:A:LEU:HB3	7	0.38
(1,40)	1:87:B:LEU:HD22	1:14:A:ILE:HD11	19	0.38
(1,5744)	1:16:B:SER:H	1:15:B:GLU:HA	17	0.37
(1,5704)	1:81:B:LEU:H	1:81:B:LEU:HD22	11	0.37
(1,5703)	1:81:A:LEU:H	1:81:A:LEU:HD22	11	0.37
(1,5682)	1:87:B:LEU:H	1:87:B:LEU:HD13	1	0.37
(1,5682)	1:87:B:LEU:H	1:87:B:LEU:HD11	4	0.37
(1,5682)	1:87:B:LEU:H	1:87:B:LEU:HD13	16	0.37
(1,5681)	1:87:A:LEU:H	1:87:A:LEU:HD13	1	0.37
(1,5681)	1:87:A:LEU:H	1:87:A:LEU:HD13	16	0.37
(1,5534)	1:82:B:ASN:H	1:80:B:PHE:HA	2	0.37
(1,5533)	1:82:A:ASN:H	1:80:A:PHE:HA	2	0.37
(1,5478)	1:37:B:THR:H	1:40:B:LEU:HD22	12	0.37
(1,5478)	1:37:B:THR:H	1:40:B:LEU:HD21	20	0.37
(1,5477)	1:37:A:THR:H	1:40:A:LEU:HD22	12	0.37
(1,5477)	1:37:A:THR:H	1:40:A:LEU:HD21	19	0.37
(1,5477)	1:37:A:THR:H	1:40:A:LEU:HD21	20	0.37
(1,5464)	1:45:B:THR:H	1:46:B:GLU:HB2	3	0.37
(1,5464)	1:45:B:THR:H	1:46:B:GLU:HB2	15	0.37
(1,5463)	1:45:A:THR:H	1:46:A:GLU:HB2	20	0.37
(1,5390)	1:23:B:LYS:H	1:23:B:LYS:HE2	13	0.37
(1,5355)	1:19:A:ALA:H	1:17:A:LEU:HB2	11	0.37
(1,5351)	1:41:A:SER:H	1:42:A:PHE:HB2	2	0.37
(1,5350)	1:26:B:GLY:H	1:22:B:GLN:HB3	9	0.37
(1,5350)	1:26:B:GLY:H	1:22:B:GLN:HB3	16	0.37
(1,5349)	1:26:A:GLY:H	1:22:A:GLN:HB3	9	0.37
(1,5349)	1:26:A:GLY:H	1:22:A:GLN:HB3	16	0.37
(1,5206)	1:44:B:ASN:H	1:60:B:LEU:HB2	3	0.37
(1,5205)	1:44:A:ASN:H	1:60:A:LEU:HB2	3	0.37
(1,5132)	1:97:B:LYS:HB2	1:97:B:LYS:HG3	14	0.37
(1,5132)	1:97:B:LYS:HB3	1:97:B:LYS:HG2	16	0.37
(1,5131)	1:97:A:LYS:HB2	1:97:A:LYS:HG3	14	0.37
(1,5131)	1:97:A:LYS:HB3	1:97:A:LYS:HG2	16	0.37
(1,5128)	1:36:B:LYS:HD2	1:36:B:LYS:HE3	4	0.37
(1,5128)	1:66:B:LYS:HD3	1:66:B:LYS:HE2	11	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5128)	1:36:B:LYS:HD2	1:36:B:LYS:HE3	14	0.37
(1,5128)	1:66:B:LYS:HD2	1:66:B:LYS:HE3	17	0.37
(1,5127)	1:36:A:LYS:HD2	1:36:A:LYS:HE3	4	0.37
(1,5127)	1:66:A:LYS:HD3	1:66:A:LYS:HE2	11	0.37
(1,5127)	1:36:A:LYS:HD2	1:36:A:LYS:HE3	14	0.37
(1,5127)	1:66:A:LYS:HD2	1:66:A:LYS:HE3	17	0.37
(1,5096)	1:24:B:TYR:HA	1:27:B:LYS:HA	13	0.37
(1,4924)	1:65:B:LYS:HG2	1:65:B:LYS:HA	17	0.37
(1,4923)	1:65:A:LYS:HG2	1:65:A:LYS:HA	17	0.37
(1,4897)	1:88:A:ALA:HB2	1:17:B:LEU:HD11	7	0.37
(1,4884)	1:68:B:ASP:HA	1:33:B:THR:HG23	13	0.37
(1,4883)	1:68:A:ASP:HA	1:33:A:THR:HG22	1	0.37
(1,4883)	1:68:A:ASP:HA	1:33:A:THR:HG23	13	0.37
(1,4862)	1:68:B:ASP:HA	1:33:B:THR:HG23	13	0.37
(1,4861)	1:68:A:ASP:HA	1:33:A:THR:HG22	1	0.37
(1,4861)	1:68:A:ASP:HA	1:33:A:THR:HG23	13	0.37
(1,4830)	1:18:B:ILE:HG22	1:14:B:ILE:HG22	16	0.37
(1,4829)	1:18:A:ILE:HG22	1:14:A:ILE:HG22	16	0.37
(1,4806)	1:18:B:ILE:HG22	1:14:B:ILE:HG22	16	0.37
(1,4805)	1:18:A:ILE:HG22	1:14:A:ILE:HG22	16	0.37
(1,4790)	1:66:B:LYS:HB3	1:67:B:LEU:HD21	12	0.37
(1,4789)	1:66:A:LYS:HB3	1:67:A:LEU:HD21	12	0.37
(1,4780)	1:14:B:ILE:HD11	1:88:A:ALA:HA	18	0.37
(1,4779)	1:14:A:ILE:HD11	1:88:B:ALA:HA	18	0.37
(1,4755)	1:37:A:THR:HG23	1:27:A:LYS:HD3	2	0.37
(1,4724)	1:17:B:LEU:HG	1:17:A:LEU:HG	12	0.37
(1,4723)	1:17:A:LEU:HG	1:17:B:LEU:HG	12	0.37
(1,4706)	1:64:B:MET:HG3	1:36:B:LYS:HE3	7	0.37
(1,4706)	1:65:B:LYS:HE3	1:68:B:ASP:HB3	14	0.37
(1,4705)	1:64:A:MET:HG3	1:36:A:LYS:HE3	7	0.37
(1,4705)	1:65:A:LYS:HE3	1:68:A:ASP:HB3	14	0.37
(1,4704)	1:67:B:LEU:H	1:67:B:LEU:HD21	12	0.37
(1,4704)	1:67:B:LEU:H	1:67:B:LEU:HD22	16	0.37
(1,4703)	1:67:A:LEU:H	1:67:A:LEU:HD21	12	0.37
(1,4703)	1:67:A:LEU:H	1:67:A:LEU:HD23	13	0.37
(1,4703)	1:67:A:LEU:H	1:67:A:LEU:HD22	16	0.37
(1,4703)	1:67:A:LEU:H	1:67:A:LEU:HD23	20	0.37
(1,4675)	1:89:A:MET:HG3	1:78:B:SER:HB3	9	0.37
(1,4644)	1:10:B:THR:HG23	1:20:A:VAL:HB	12	0.37
(1,4634)	1:14:B:ILE:H	1:14:B:ILE:HD13	10	0.37
(1,4634)	1:14:B:ILE:H	1:14:B:ILE:HD12	19	0.37
(1,4633)	1:14:A:ILE:H	1:14:A:ILE:HD13	10	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4633)	1:14:A:ILE:H	1:14:A:ILE:HD12	19	0.37
(1,4629)	1:36:A:LYS:HE3	1:39:A:PHE:HB3	8	0.37
(1,4617)	1:68:A:ASP:HA	1:74:A:GLN:HB3	19	0.37
(1,4604)	1:47:B:LEU:HD11	1:42:B:PHE:HA	16	0.37
(1,4603)	1:47:A:LEU:HD11	1:42:A:PHE:HA	16	0.37
(1,4600)	1:43:B:MET:H	1:60:B:LEU:HD11	1	0.37
(1,4599)	1:43:A:MET:H	1:60:A:LEU:HD11	1	0.37
(1,4572)	1:47:B:LEU:HD11	1:39:B:PHE:HA	5	0.37
(1,4571)	1:47:A:LEU:HD11	1:39:A:PHE:HA	5	0.37
(1,4552)	1:83:B:LEU:HD11	1:64:B:MET:H	16	0.37
(1,4551)	1:83:A:LEU:HD11	1:64:A:MET:H	16	0.37
(1,4550)	1:88:B:ALA:HB3	1:91:B:CYS:HB3	16	0.37
(1,4536)	1:64:B:MET:HG3	1:75:B:LEU:HD23	5	0.37
(1,4424)	1:40:B:LEU:HG	1:36:B:LYS:HA	3	0.37
(1,4424)	1:40:B:LEU:HG	1:36:B:LYS:HA	7	0.37
(1,4423)	1:40:A:LEU:HG	1:36:A:LYS:HA	3	0.37
(1,4423)	1:40:A:LEU:HG	1:36:A:LYS:HA	7	0.37
(1,4383)	1:11:A:GLU:HB3	1:14:A:ILE:HD11	2	0.37
(1,4334)	1:68:B:ASP:HB2	1:67:B:LEU:HB2	9	0.37
(1,4333)	1:68:A:ASP:HB2	1:67:A:LEU:HB2	9	0.37
(1,4310)	1:65:B:LYS:HG2	1:64:B:MET:HG2	11	0.37
(1,4309)	1:65:A:LYS:HG2	1:64:A:MET:HG2	11	0.37
(1,4308)	1:65:B:LYS:HG2	1:64:B:MET:HG2	11	0.37
(1,4307)	1:65:A:LYS:HG2	1:64:A:MET:HG2	11	0.37
(1,4278)	1:16:B:SER:HA	1:15:B:GLU:HB2	12	0.37
(1,4277)	1:16:A:SER:HA	1:15:A:GLU:HB2	12	0.37
(1,4200)	1:42:B:PHE:HA	1:39:B:PHE:HA	10	0.37
(1,4199)	1:42:A:PHE:HA	1:39:A:PHE:HA	10	0.37
(1,4198)	1:60:B:LEU:HD13	1:44:B:ASN:HB2	1	0.37
(1,4197)	1:60:A:LEU:HD13	1:44:A:ASN:HB2	1	0.37
(1,4192)	1:61:B:ASP:HB3	1:40:B:LEU:HD21	15	0.37
(1,4191)	1:61:A:ASP:HB3	1:40:A:LEU:HD21	15	0.37
(1,4188)	1:11:B:GLU:HA	1:13:B:CYS:HA	7	0.37
(1,4187)	1:11:A:GLU:HA	1:13:A:CYS:HA	7	0.37
(1,4177)	1:8:A:THR:HG22	1:46:B:GLU:H	9	0.37
(1,4173)	1:67:A:LEU:HD22	1:64:A:MET:HA	13	0.37
(1,4162)	1:22:B:GLN:HA	1:26:B:GLY:HA3	14	0.37
(1,4160)	1:42:B:PHE:HB3	1:43:B:MET:HB2	4	0.37
(1,4159)	1:42:A:PHE:HB3	1:43:A:MET:HB2	4	0.37
(1,4154)	1:82:B:ASN:HA	1:81:B:LEU:HB2	14	0.37
(1,4154)	1:82:B:ASN:HA	1:81:B:LEU:HB2	16	0.37
(1,4153)	1:82:A:ASN:HA	1:81:A:LEU:HB2	14	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4149)	1:13:A:CYS:HB2	1:17:B:LEU:HG	10	0.37
(1,4104)	1:42:B:PHE:HA	1:20:B:VAL:HB	5	0.37
(1,4103)	1:42:A:PHE:HA	1:20:A:VAL:HB	5	0.37
(1,4093)	1:38:A:GLU:HB3	1:27:A:LYS:HE3	17	0.37
(1,4052)	1:58:B:GLY:HA3	1:57:B:PRO:HG2	2	0.37
(1,4051)	1:58:A:GLY:HA3	1:57:A:PRO:HG2	2	0.37
(1,4046)	1:11:B:GLU:HB2	1:10:B:THR:HG23	16	0.37
(1,4045)	1:11:A:GLU:HB2	1:10:A:THR:HG23	16	0.37
(1,4043)	1:57:A:PRO:HG2	1:61:A:ASP:HB2	7	0.37
(1,4034)	1:21:B:PHE:H	1:19:B:ALA:HA	13	0.37
(1,3972)	1:34:B:LEU:HD13	1:80:B:PHE:HB3	7	0.37
(1,3972)	1:34:B:LEU:HD13	1:80:B:PHE:HB3	17	0.37
(1,3971)	1:34:A:LEU:HD13	1:80:A:PHE:HB3	7	0.37
(1,3971)	1:34:A:LEU:HD13	1:80:A:PHE:HB3	17	0.37
(1,3940)	1:75:B:LEU:HD13	1:67:B:LEU:H	3	0.37
(1,3939)	1:75:A:LEU:HD13	1:67:A:LEU:H	3	0.37
(1,3918)	1:20:B:VAL:HB	1:46:B:GLU:H	12	0.37
(1,3918)	1:19:B:ALA:H	1:20:B:VAL:HB	16	0.37
(1,3918)	1:19:B:ALA:H	1:20:B:VAL:HB	20	0.37
(1,3917)	1:19:A:ALA:H	1:20:A:VAL:HB	16	0.37
(1,3833)	1:17:A:LEU:HD13	1:14:A:ILE:H	17	0.37
(1,3790)	1:91:B:CYS:HA	1:18:A:ILE:HG23	14	0.37
(1,3780)	1:48:B:ALA:HA	1:50:B:PHE:HB3	20	0.37
(1,3756)	1:39:B:PHE:HB2	1:36:B:LYS:HD2	2	0.37
(1,3755)	1:39:A:PHE:HB2	1:36:A:LYS:HD2	1	0.37
(1,3752)	1:11:B:GLU:HB2	1:8:B:THR:HB	4	0.37
(1,3751)	1:11:A:GLU:HB2	1:8:A:THR:HB	4	0.37
(1,3740)	1:11:B:GLU:HB2	1:8:B:THR:HB	2	0.37
(1,3740)	1:11:B:GLU:HB2	1:8:B:THR:HB	6	0.37
(1,3739)	1:11:A:GLU:HB2	1:8:A:THR:HB	6	0.37
(1,3684)	1:73:B:GLY:HA3	1:74:B:GLN:HB2	15	0.37
(1,3683)	1:73:A:GLY:HA3	1:74:A:GLN:HB2	15	0.37
(1,3679)	1:33:A:THR:HB	1:34:A:LEU:HG	10	0.37
(1,3654)	1:8:B:THR:HB	1:10:B:THR:HA	8	0.37
(1,3654)	1:8:B:THR:HB	1:10:B:THR:HA	16	0.37
(1,3653)	1:8:A:THR:HB	1:10:A:THR:HA	8	0.37
(1,3653)	1:8:A:THR:HB	1:10:A:THR:HA	16	0.37
(1,3608)	1:37:B:THR:HG23	1:39:B:PHE:H	8	0.37
(1,3607)	1:37:A:THR:HG23	1:39:A:PHE:H	8	0.37
(1,3606)	1:77:B:PHE:HB3	1:88:A:ALA:HB3	10	0.37
(1,3605)	1:77:A:PHE:HB3	1:88:B:ALA:HB3	10	0.37
(1,3604)	1:14:B:ILE:HB	1:91:A:CYS:HB3	11	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3596)	1:13:B:CYS:HB2	1:20:A:VAL:HG12	3	0.37
(1,3595)	1:13:A:CYS:HB2	1:20:B:VAL:HG12	3	0.37
(1,3528)	1:34:B:LEU:HB3	1:24:B:TYR:HB3	20	0.37
(1,3509)	1:7:A:PRO:HB2	1:12:A:ARG:HD3	14	0.37
(1,3508)	1:46:B:GLU:HB3	1:45:B:THR:HB	11	0.37
(1,3507)	1:46:A:GLU:HB3	1:45:A:THR:HB	11	0.37
(1,3468)	1:75:B:LEU:HB3	1:33:B:THR:HA	20	0.37
(1,3467)	1:75:A:LEU:HB3	1:33:A:THR:HA	20	0.37
(1,3462)	1:84:B:ILE:HB	1:80:B:PHE:HB3	6	0.37
(1,3461)	1:84:A:ILE:HB	1:80:A:PHE:HB3	6	0.37
(1,3420)	1:11:B:GLU:HA	1:47:A:LEU:HA	4	0.37
(1,3419)	1:11:A:GLU:HA	1:47:B:LEU:HA	1	0.37
(1,3407)	1:11:A:GLU:HB2	1:46:B:GLU:HA	4	0.37
(1,3407)	1:11:A:GLU:HB2	1:46:B:GLU:HA	15	0.37
(1,3391)	1:17:A:LEU:HD11	1:13:B:CYS:HA	2	0.37
(1,3390)	1:17:B:LEU:HD23	1:17:A:LEU:HD12	8	0.37
(1,3254)	1:62:B:ARG:H	1:61:B:ASP:HB2	12	0.37
(1,3253)	1:62:A:ARG:H	1:61:A:ASP:HB2	12	0.37
(1,2776)	1:50:B:PHE:H	1:47:B:LEU:HB2	12	0.37
(1,2775)	1:50:A:PHE:H	1:47:A:LEU:HB2	12	0.37
(1,2726)	1:77:B:PHE:H	1:33:B:THR:HG21	7	0.37
(1,2697)	1:27:A:LYS:H	1:25:A:ALA:HB3	12	0.37
(1,2000)	1:33:B:THR:HG23	1:76:B:ASP:HB3	4	0.37
(1,1682)	1:50:B:PHE:HB3	1:47:B:LEU:HD23	19	0.37
(1,1681)	1:50:A:PHE:HB3	1:47:A:LEU:HD23	19	0.37
(1,1607)	1:47:A:LEU:HB2	1:50:A:PHE:HB3	12	0.37
(1,1528)	1:65:B:LYS:H	1:64:B:MET:HG2	11	0.37
(1,1527)	1:65:A:LYS:H	1:64:A:MET:HG2	11	0.37
(1,1330)	1:48:B:ALA:H	1:43:B:MET:HB3	5	0.37
(1,1308)	1:75:B:LEU:HD11	1:75:B:LEU:HA	16	0.37
(1,1307)	1:75:A:LEU:HD11	1:75:A:LEU:HA	1	0.37
(1,1307)	1:75:A:LEU:HD11	1:75:A:LEU:HA	16	0.37
(1,1238)	1:62:B:ARG:HB3	1:59:B:VAL:HA	4	0.37
(1,1238)	1:62:B:ARG:HB3	1:59:B:VAL:HA	12	0.37
(1,1237)	1:62:A:ARG:HB3	1:59:A:VAL:HA	4	0.37
(1,1237)	1:62:A:ARG:HB3	1:59:A:VAL:HA	12	0.37
(1,1222)	1:89:B:MET:HG2	1:88:B:ALA:HB3	8	0.37
(1,1221)	1:89:A:MET:HG2	1:88:A:ALA:HB3	8	0.37
(1,1024)	1:53:B:ASN:HA	1:52:B:LYS:HG2	6	0.37
(1,960)	1:33:B:THR:HG21	1:74:B:GLN:HA	2	0.37
(1,959)	1:33:A:THR:HG21	1:74:A:GLN:HA	2	0.37
(1,949)	1:94:A:SER:HB2	1:91:A:CYS:HB2	8	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,942)	1:18:B:ILE:HG22	1:15:B:GLU:HB3	11	0.37
(1,941)	1:18:A:ILE:HG22	1:15:A:GLU:HB3	11	0.37
(1,902)	1:40:B:LEU:HB3	1:37:B:THR:HG23	13	0.37
(1,901)	1:40:A:LEU:HB3	1:37:A:THR:HG23	13	0.37
(1,856)	1:9:B:GLU:HG3	1:17:A:LEU:HD23	5	0.37
(1,855)	1:9:A:GLU:HG3	1:17:B:LEU:HD23	5	0.37
(1,835)	1:59:A:VAL:HG23	1:62:A:ARG:H	2	0.37
(1,713)	1:16:A:SER:HB3	1:17:A:LEU:HD21	6	0.37
(1,692)	1:15:B:GLU:HG2	1:16:B:SER:H	2	0.37
(1,692)	1:15:B:GLU:HG2	1:16:B:SER:H	10	0.37
(1,691)	1:15:A:GLU:HG2	1:16:A:SER:H	10	0.37
(1,691)	1:15:A:GLU:HG2	1:16:A:SER:H	14	0.37
(1,650)	1:15:B:GLU:HG2	1:16:B:SER:H	7	0.37
(1,650)	1:15:B:GLU:HG2	1:16:B:SER:H	8	0.37
(1,650)	1:15:B:GLU:HG2	1:16:B:SER:H	13	0.37
(1,649)	1:15:A:GLU:HG2	1:16:A:SER:H	13	0.37
(1,649)	1:15:A:GLU:HG2	1:16:A:SER:H	17	0.37
(1,520)	1:74:B:GLN:HG3	1:75:B:LEU:HA	14	0.37
(1,484)	1:14:B:ILE:HB	1:10:B:THR:HG22	18	0.37
(1,483)	1:14:A:ILE:HB	1:10:A:THR:HG22	18	0.37
(1,476)	1:67:B:LEU:HB3	1:75:B:LEU:HB2	5	0.37
(1,475)	1:67:A:LEU:HB3	1:75:A:LEU:HB2	5	0.37
(1,443)	1:15:A:GLU:HG3	1:91:B:CYS:HB2	9	0.37
(1,431)	1:48:A:ALA:HB1	1:44:A:ASN:HB3	17	0.37
(1,422)	1:18:B:ILE:HG23	1:95:A:PHE:H	3	0.37
(1,363)	1:47:A:LEU:HD21	1:10:B:THR:H	2	0.37
(1,356)	1:60:B:LEU:HB2	1:61:B:ASP:HB3	2	0.37
(1,356)	1:60:B:LEU:HB2	1:61:B:ASP:HB3	5	0.37
(1,356)	1:60:B:LEU:HB2	1:61:B:ASP:HB3	16	0.37
(1,356)	1:60:B:LEU:HB2	1:61:B:ASP:HB3	19	0.37
(1,355)	1:60:A:LEU:HB2	1:61:A:ASP:HB3	16	0.37
(1,320)	1:74:B:GLN:HB3	1:76:B:ASP:HB3	13	0.37
(1,319)	1:74:A:GLN:HB3	1:76:A:ASP:HB3	13	0.37
(1,286)	1:75:B:LEU:HB3	1:39:B:PHE:HB3	19	0.37
(1,285)	1:75:A:LEU:HB3	1:39:A:PHE:HB3	19	0.37
(1,190)	1:46:B:GLU:HG3	1:24:B:TYR:H	4	0.37
(1,189)	1:46:A:GLU:HG3	1:24:A:TYR:H	4	0.37
(1,148)	1:18:B:ILE:HG22	1:92:A:HIS:H	7	0.37
(1,146)	1:78:B:SER:HB2	1:81:B:LEU:HB3	13	0.37
(1,145)	1:78:A:SER:HB2	1:81:A:LEU:HB3	13	0.37
(1,136)	1:89:B:MET:HG2	1:85:B:GLY:HA3	18	0.37
(1,135)	1:89:A:MET:HG2	1:85:A:GLY:HA3	18	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5682)	1:87:B:LEU:H	1:87:B:LEU:HD11	2	0.36
(1,5681)	1:87:A:LEU:H	1:87:A:LEU:HD11	2	0.36
(1,5681)	1:87:A:LEU:H	1:87:A:LEU:HD11	4	0.36
(1,5463)	1:45:A:THR:H	1:46:A:GLU:HB2	15	0.36
(1,5458)	1:95:B:PHE:H	1:96:B:LEU:HD23	8	0.36
(1,5457)	1:95:A:PHE:H	1:96:A:LEU:HD23	8	0.36
(1,5389)	1:23:A:LYS:H	1:23:A:LYS:HE2	13	0.36
(1,5356)	1:19:B:ALA:H	1:17:B:LEU:HB2	2	0.36
(1,5356)	1:19:B:ALA:H	1:9:A:GLU:HG2	13	0.36
(1,5355)	1:19:A:ALA:H	1:9:B:GLU:HG2	13	0.36
(1,5312)	1:28:B:ASP:H	1:34:B:LEU:HD23	18	0.36
(1,5311)	1:28:A:ASP:H	1:34:A:LEU:HD23	18	0.36
(1,5280)	1:28:B:ASP:H	1:34:B:LEU:HD23	18	0.36
(1,5279)	1:28:A:ASP:H	1:34:A:LEU:HD23	18	0.36
(1,5206)	1:44:B:ASN:H	1:60:B:LEU:HB2	9	0.36
(1,5205)	1:44:A:ASN:H	1:60:A:LEU:HB2	9	0.36
(1,5131)	1:97:A:LYS:HB2	1:97:A:LYS:HG3	2	0.36
(1,5128)	1:36:B:LYS:HD2	1:36:B:LYS:HE3	3	0.36
(1,5128)	1:66:B:LYS:HD3	1:66:B:LYS:HE2	9	0.36
(1,5128)	1:66:B:LYS:HD3	1:66:B:LYS:HE2	12	0.36
(1,5128)	1:36:B:LYS:HD2	1:36:B:LYS:HE3	19	0.36
(1,5127)	1:36:A:LYS:HD2	1:36:A:LYS:HE3	3	0.36
(1,5127)	1:66:A:LYS:HD3	1:66:A:LYS:HE2	9	0.36
(1,5127)	1:66:A:LYS:HD3	1:66:A:LYS:HE2	12	0.36
(1,5127)	1:36:A:LYS:HD2	1:36:A:LYS:HE3	19	0.36
(1,5095)	1:24:A:TYR:HA	1:27:A:LYS:HA	13	0.36
(1,5044)	1:87:B:LEU:HD11	1:83:B:LEU:HD22	5	0.36
(1,5043)	1:87:A:LEU:HD11	1:83:A:LEU:HD22	5	0.36
(1,4898)	1:88:B:ALA:HB2	1:17:A:LEU:HD11	7	0.36
(1,4780)	1:14:B:ILE:HD12	1:88:A:ALA:HA	4	0.36
(1,4780)	1:14:B:ILE:HD13	1:88:A:ALA:HA	9	0.36
(1,4756)	1:37:B:THR:HG23	1:27:B:LYS:HD3	2	0.36
(1,4734)	1:20:B:VAL:HG22	1:46:B:GLU:HB2	4	0.36
(1,4733)	1:20:A:VAL:HG22	1:46:A:GLU:HB2	4	0.36
(1,4718)	1:87:B:LEU:HD21	1:14:A:ILE:HB	3	0.36
(1,4704)	1:67:B:LEU:H	1:67:B:LEU:HD21	2	0.36
(1,4704)	1:67:B:LEU:H	1:67:B:LEU:HD23	10	0.36
(1,4704)	1:67:B:LEU:H	1:67:B:LEU:HD23	13	0.36
(1,4704)	1:67:B:LEU:H	1:67:B:LEU:HD22	14	0.36
(1,4703)	1:67:A:LEU:H	1:67:A:LEU:HD21	2	0.36
(1,4703)	1:67:A:LEU:H	1:67:A:LEU:HD23	10	0.36
(1,4703)	1:67:A:LEU:H	1:67:A:LEU:HD22	14	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4675)	1:89:A:MET:HG3	1:78:B:SER:HB3	7	0.36
(1,4643)	1:10:A:THR:HG23	1:20:B:VAL:HB	12	0.36
(1,4618)	1:68:B:ASP:HA	1:74:B:GLN:HB3	19	0.36
(1,4578)	1:65:B:LYS:HD3	1:68:B:ASP:HA	12	0.36
(1,4577)	1:65:A:LYS:HD3	1:68:A:ASP:HA	12	0.36
(1,4572)	1:47:B:LEU:HD11	1:39:B:PHE:HA	17	0.36
(1,4571)	1:47:A:LEU:HD11	1:39:A:PHE:HA	17	0.36
(1,4566)	1:65:B:LYS:HD3	1:68:B:ASP:HA	12	0.36
(1,4565)	1:65:A:LYS:HD3	1:68:A:ASP:HA	12	0.36
(1,4528)	1:49:B:ALA:HB1	1:47:B:LEU:HB2	17	0.36
(1,4527)	1:49:A:ALA:HB1	1:47:A:LEU:HB2	17	0.36
(1,4342)	1:83:B:LEU:HD12	1:86:B:GLY:H	9	0.36
(1,4341)	1:83:A:LEU:HD12	1:86:A:GLY:H	9	0.36
(1,4320)	1:65:B:LYS:HD3	1:68:B:ASP:HA	12	0.36
(1,4319)	1:65:A:LYS:HD3	1:68:A:ASP:HA	12	0.36
(1,4295)	1:102:A:GLN:HA	1:101:A:SER:HB2	7	0.36
(1,4234)	1:68:B:ASP:HB2	1:65:B:LYS:HD3	12	0.36
(1,4233)	1:68:A:ASP:HB2	1:65:A:LYS:HD3	12	0.36
(1,4192)	1:61:B:ASP:HB3	1:40:B:LEU:HD23	2	0.36
(1,4191)	1:61:A:ASP:HB3	1:40:A:LEU:HD23	2	0.36
(1,4184)	1:13:B:CYS:HA	1:17:B:LEU:HG	8	0.36
(1,4183)	1:13:A:CYS:HA	1:17:A:LEU:HG	8	0.36
(1,4178)	1:8:B:THR:HG23	1:46:A:GLU:H	4	0.36
(1,4178)	1:8:B:THR:HG22	1:46:A:GLU:H	11	0.36
(1,4178)	1:8:B:THR:HG21	1:46:A:GLU:H	13	0.36
(1,4178)	1:8:B:THR:HG22	1:46:A:GLU:H	17	0.36
(1,4177)	1:8:A:THR:HG21	1:46:B:GLU:H	13	0.36
(1,4174)	1:67:B:LEU:HD22	1:64:B:MET:HA	13	0.36
(1,4162)	1:22:B:GLN:HA	1:26:B:GLY:HA3	15	0.36
(1,4153)	1:82:A:ASN:HA	1:81:A:LEU:HB2	16	0.36
(1,4149)	1:13:A:CYS:HB2	1:17:B:LEU:HG	3	0.36
(1,4090)	1:60:B:LEU:HB3	1:64:B:MET:H	20	0.36
(1,4089)	1:60:A:LEU:HB3	1:64:A:MET:H	20	0.36
(1,4062)	1:66:B:LYS:H	1:65:B:LYS:HG2	1	0.36
(1,4061)	1:66:A:LYS:H	1:65:A:LYS:HG2	1	0.36
(1,4044)	1:57:B:PRO:HG2	1:61:B:ASP:HB2	7	0.36
(1,4024)	1:83:B:LEU:HB3	1:82:B:ASN:HB2	5	0.36
(1,4024)	1:83:B:LEU:HB3	1:82:B:ASN:HB2	16	0.36
(1,4023)	1:83:A:LEU:HB3	1:82:A:ASN:HB2	5	0.36
(1,3940)	1:75:B:LEU:HD11	1:67:B:LEU:H	6	0.36
(1,3918)	1:19:B:ALA:H	1:20:B:VAL:HB	14	0.36
(1,3917)	1:20:A:VAL:HB	1:46:A:GLU:H	12	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3917)	1:19:A:ALA:H	1:20:A:VAL:HB	14	0.36
(1,3890)	1:17:B:LEU:HB2	1:14:B:ILE:HG12	7	0.36
(1,3889)	1:17:A:LEU:HB2	1:14:A:ILE:HG12	7	0.36
(1,3864)	1:74:B:GLN:HG2	1:75:B:LEU:HD23	9	0.36
(1,3863)	1:74:A:GLN:HG2	1:75:A:LEU:HD23	9	0.36
(1,3808)	1:37:B:THR:HB	1:39:B:PHE:H	7	0.36
(1,3807)	1:37:A:THR:HB	1:39:A:PHE:H	1	0.36
(1,3807)	1:37:A:THR:HB	1:39:A:PHE:H	7	0.36
(1,3756)	1:39:B:PHE:HB2	1:36:B:LYS:HD2	17	0.36
(1,3755)	1:39:A:PHE:HB2	1:36:A:LYS:HD2	2	0.36
(1,3755)	1:39:A:PHE:HB2	1:36:A:LYS:HD2	17	0.36
(1,3752)	1:11:B:GLU:HB2	1:8:B:THR:HB	13	0.36
(1,3751)	1:11:A:GLU:HB2	1:8:A:THR:HB	13	0.36
(1,3740)	1:11:B:GLU:HB2	1:8:B:THR:HB	7	0.36
(1,3739)	1:11:A:GLU:HB2	1:8:A:THR:HB	2	0.36
(1,3739)	1:11:A:GLU:HB2	1:8:A:THR:HB	7	0.36
(1,3731)	1:25:A:ALA:HB1	1:35:A:SER:HB2	6	0.36
(1,3708)	1:49:B:ALA:HB3	1:11:A:GLU:HG3	11	0.36
(1,3691)	1:13:A:CYS:HB2	1:17:B:LEU:HB3	8	0.36
(1,3680)	1:33:B:THR:HB	1:34:B:LEU:HG	10	0.36
(1,3654)	1:8:B:THR:HB	1:10:B:THR:HA	6	0.36
(1,3653)	1:8:A:THR:HB	1:10:A:THR:HA	6	0.36
(1,3652)	1:47:B:LEU:HD22	1:10:A:THR:H	9	0.36
(1,3652)	1:47:B:LEU:HD21	1:10:A:THR:H	19	0.36
(1,3638)	1:34:B:LEU:HB3	1:24:B:TYR:HB3	8	0.36
(1,3637)	1:34:A:LEU:HB3	1:24:A:TYR:HB3	8	0.36
(1,3632)	1:65:B:LYS:HG2	1:61:B:ASP:HB3	17	0.36
(1,3631)	1:65:A:LYS:HG2	1:61:A:ASP:HB3	17	0.36
(1,3626)	1:34:B:LEU:HA	1:24:B:TYR:HB2	13	0.36
(1,3626)	1:34:B:LEU:HA	1:24:B:TYR:HB2	15	0.36
(1,3625)	1:34:A:LEU:HA	1:24:A:TYR:HB2	13	0.36
(1,3620)	1:65:B:LYS:HG2	1:61:B:ASP:HB3	8	0.36
(1,3608)	1:37:B:THR:HG21	1:39:B:PHE:H	4	0.36
(1,3536)	1:18:B:ILE:HB	1:91:A:CYS:HB2	2	0.36
(1,3536)	1:18:B:ILE:HB	1:91:A:CYS:HB3	12	0.36
(1,3535)	1:18:A:ILE:HB	1:91:B:CYS:HB2	2	0.36
(1,3530)	1:34:B:LEU:HB2	1:39:B:PHE:HA	12	0.36
(1,3530)	1:34:B:LEU:HB2	1:39:B:PHE:HA	16	0.36
(1,3529)	1:34:A:LEU:HB2	1:39:A:PHE:HA	12	0.36
(1,3529)	1:34:A:LEU:HB2	1:39:A:PHE:HA	16	0.36
(1,3528)	1:34:B:LEU:HB3	1:24:B:TYR:HB3	13	0.36
(1,3527)	1:34:A:LEU:HB3	1:24:A:TYR:HB3	13	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3527)	1:34:A:LEU:HB3	1:24:A:TYR:HB3	20	0.36
(1,3510)	1:7:B:PRO:HB2	1:12:B:ARG:HD3	3	0.36
(1,3506)	1:69:B:THR:HB	1:82:B:ASN:HB2	16	0.36
(1,3505)	1:69:A:THR:HB	1:82:A:ASN:HB2	16	0.36
(1,3442)	1:69:B:THR:HB	1:66:B:LYS:HG2	15	0.36
(1,3410)	1:100:B:PRO:HB2	1:22:A:GLN:HB2	8	0.36
(1,3409)	1:100:A:PRO:HB2	1:22:B:GLN:HB2	8	0.36
(1,3404)	1:9:B:GLU:HB3	1:16:A:SER:HB3	10	0.36
(1,3404)	1:9:B:GLU:HB3	1:16:A:SER:HB3	20	0.36
(1,3403)	1:9:A:GLU:HB3	1:16:B:SER:HB3	10	0.36
(1,3403)	1:9:A:GLU:HB3	1:16:B:SER:HB3	20	0.36
(1,3402)	1:22:B:GLN:HB2	1:100:A:PRO:HB2	8	0.36
(1,3401)	1:22:A:GLN:HB2	1:100:B:PRO:HB2	8	0.36
(1,3398)	1:22:B:GLN:HB2	1:100:A:PRO:HB2	8	0.36
(1,3397)	1:22:A:GLN:HB2	1:100:B:PRO:HB2	8	0.36
(1,3382)	1:87:B:LEU:HD21	1:14:A:ILE:HB	3	0.36
(1,3380)	1:20:B:VAL:HG13	1:12:A:ARG:HG3	16	0.36
(1,3379)	1:20:A:VAL:HG13	1:12:B:ARG:HG3	16	0.36
(1,3379)	1:20:A:VAL:HG12	1:12:B:ARG:HG3	17	0.36
(1,3354)	1:84:B:ILE:HG21	1:17:A:LEU:HD11	5	0.36
(1,3353)	1:84:A:ILE:HG21	1:17:B:LEU:HD11	5	0.36
(1,2776)	1:50:B:PHE:H	1:47:B:LEU:HB2	7	0.36
(1,2754)	1:38:B:GLU:H	1:34:B:LEU:HD23	13	0.36
(1,2753)	1:38:A:GLU:H	1:34:A:LEU:HD23	13	0.36
(1,2725)	1:77:A:PHE:H	1:33:A:THR:HG21	7	0.36
(1,2698)	1:27:B:LYS:H	1:25:B:ALA:HB2	6	0.36
(1,2698)	1:27:B:LYS:H	1:25:B:ALA:HB3	12	0.36
(1,2697)	1:27:A:LYS:H	1:25:A:ALA:HB2	6	0.36
(1,2674)	1:92:B:HIS:H	1:14:A:ILE:HG22	1	0.36
(1,2673)	1:92:A:HIS:H	1:14:B:ILE:HG22	1	0.36
(1,2032)	1:40:B:LEU:HD13	1:36:B:LYS:HE2	20	0.36
(1,2031)	1:40:A:LEU:HD13	1:36:A:LYS:HE2	19	0.36
(1,2031)	1:40:A:LEU:HD13	1:36:A:LYS:HE2	20	0.36
(1,1999)	1:33:A:THR:HG23	1:76:A:ASP:HB3	4	0.36
(1,1608)	1:47:B:LEU:HB2	1:50:B:PHE:HB3	12	0.36
(1,1608)	1:47:B:LEU:HB2	1:50:B:PHE:HB3	19	0.36
(1,1607)	1:47:A:LEU:HB2	1:50:A:PHE:HB3	19	0.36
(1,1580)	1:57:B:PRO:HD3	1:57:B:PRO:HB2	15	0.36
(1,1579)	1:57:A:PRO:HD3	1:57:A:PRO:HB2	15	0.36
(1,1500)	1:18:B:ILE:HG23	1:22:B:GLN:HG2	6	0.36
(1,1499)	1:18:A:ILE:HG23	1:22:A:GLN:HG2	6	0.36
(1,1329)	1:48:A:ALA:H	1:43:A:MET:HB3	5	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1308)	1:75:B:LEU:HD11	1:75:B:LEU:HA	7	0.36
(1,1222)	1:89:B:MET:HG2	1:88:B:ALA:HB3	6	0.36
(1,1221)	1:89:A:MET:HG2	1:88:A:ALA:HB3	6	0.36
(1,1221)	1:89:A:MET:HG2	1:88:A:ALA:HB2	13	0.36
(1,1205)	1:48:A:ALA:HB1	1:52:A:LYS:H	13	0.36
(1,1024)	1:53:B:ASN:HA	1:52:B:LYS:HG2	11	0.36
(1,1023)	1:53:A:ASN:HA	1:52:A:LYS:HG2	6	0.36
(1,950)	1:94:B:SER:HB2	1:91:B:CYS:HB2	8	0.36
(1,942)	1:18:B:ILE:HG23	1:15:B:GLU:HB3	3	0.36
(1,941)	1:18:A:ILE:HG23	1:15:A:GLU:HB3	3	0.36
(1,902)	1:40:B:LEU:HB3	1:37:B:THR:HG21	9	0.36
(1,714)	1:16:B:SER:HB3	1:17:B:LEU:HD21	6	0.36
(1,713)	1:16:A:SER:HB3	1:17:A:LEU:HD21	17	0.36
(1,692)	1:15:B:GLU:HG2	1:16:B:SER:H	5	0.36
(1,692)	1:15:B:GLU:HG2	1:16:B:SER:H	6	0.36
(1,691)	1:15:A:GLU:HG2	1:16:A:SER:H	5	0.36
(1,691)	1:15:A:GLU:HG2	1:16:A:SER:H	6	0.36
(1,661)	1:73:A:GLY:HA2	1:74:A:GLN:HG3	19	0.36
(1,650)	1:15:B:GLU:HG2	1:16:B:SER:H	17	0.36
(1,649)	1:15:A:GLU:HG2	1:16:A:SER:H	1	0.36
(1,649)	1:15:A:GLU:HG2	1:16:A:SER:H	8	0.36
(1,622)	1:63:B:MET:H	1:62:B:ARG:HG2	6	0.36
(1,444)	1:15:B:GLU:HG3	1:91:A:CYS:HB3	11	0.36
(1,396)	1:25:B:ALA:HB2	1:75:B:LEU:H	15	0.36
(1,395)	1:25:A:ALA:HB2	1:75:A:LEU:H	15	0.36
(1,388)	1:100:B:PRO:HD3	1:95:B:PHE:HB3	10	0.36
(1,355)	1:60:A:LEU:HB2	1:61:A:ASP:HB3	5	0.36
(1,304)	1:22:B:GLN:HB2	1:18:B:ILE:H	1	0.36
(1,303)	1:22:A:GLN:HB2	1:18:A:ILE:H	1	0.36
(1,220)	1:75:B:LEU:HD13	1:68:B:ASP:HA	8	0.36
(1,219)	1:75:A:LEU:HD13	1:68:A:ASP:HA	8	0.36
(1,190)	1:46:B:GLU:HG3	1:24:B:TYR:H	19	0.36
(1,190)	1:46:B:GLU:HG3	1:24:B:TYR:H	20	0.36
(1,189)	1:46:A:GLU:HG3	1:24:A:TYR:H	19	0.36
(1,189)	1:46:A:GLU:HG3	1:24:A:TYR:H	20	0.36
(1,148)	1:18:B:ILE:HG23	1:92:A:HIS:H	20	0.36
(1,147)	1:18:A:ILE:HG23	1:92:B:HIS:H	20	0.36
(1,82)	1:22:B:GLN:HB2	1:100:A:PRO:HB2	8	0.36
(1,81)	1:22:A:GLN:HB2	1:100:B:PRO:HB2	8	0.36
(2,86)	1:42:B:PHE:HB2	1:47:B:LEU:H	17	0.35
(2,85)	1:42:A:PHE:HB2	1:47:A:LEU:H	17	0.35
(1,5704)	1:81:B:LEU:H	1:81:B:LEU:HD22	3	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5704)	1:81:B:LEU:H	1:81:B:LEU:HD22	12	0.35
(1,5704)	1:81:B:LEU:H	1:81:B:LEU:HD21	14	0.35
(1,5703)	1:81:A:LEU:H	1:81:A:LEU:HD22	3	0.35
(1,5703)	1:81:A:LEU:H	1:81:A:LEU:HD21	9	0.35
(1,5570)	1:44:B:ASN:H	1:60:B:LEU:HD13	14	0.35
(1,5569)	1:44:A:ASN:H	1:60:A:LEU:HD13	14	0.35
(1,5558)	1:88:B:ALA:H	1:81:A:LEU:HD13	11	0.35
(1,5557)	1:88:A:ALA:H	1:81:B:LEU:HD13	11	0.35
(1,5554)	1:45:B:THR:H	1:44:B:ASN:HB3	7	0.35
(1,5553)	1:45:A:THR:H	1:44:A:ASN:HB3	7	0.35
(1,5534)	1:82:B:ASN:H	1:80:B:PHE:HA	6	0.35
(1,5533)	1:82:A:ASN:H	1:80:A:PHE:HA	6	0.35
(1,5512)	1:42:B:PHE:H	1:46:B:GLU:HB2	20	0.35
(1,5477)	1:37:A:THR:H	1:40:A:LEU:HD22	10	0.35
(1,5475)	1:50:A:PHE:H	1:47:A:LEU:HD21	15	0.35
(1,5464)	1:45:B:THR:H	1:46:B:GLU:HB2	2	0.35
(1,5355)	1:19:A:ALA:H	1:17:A:LEU:HB2	2	0.35
(1,5352)	1:41:B:SER:H	1:42:B:PHE:HB2	5	0.35
(1,5351)	1:41:A:SER:H	1:42:A:PHE:HB2	5	0.35
(1,5314)	1:92:B:HIS:H	1:18:A:ILE:HG23	2	0.35
(1,5242)	1:81:B:LEU:H	1:77:B:PHE:H	7	0.35
(1,5236)	1:28:B:ASP:H	1:25:B:ALA:HB2	16	0.35
(1,5235)	1:28:A:ASP:H	1:25:A:ALA:HB2	16	0.35
(1,5132)	1:97:B:LYS:HB2	1:97:B:LYS:HG3	2	0.35
(1,5128)	1:36:B:LYS:HD2	1:36:B:LYS:HE3	10	0.35
(1,5128)	1:36:B:LYS:HD2	1:36:B:LYS:HE3	20	0.35
(1,5127)	1:36:A:LYS:HD2	1:36:A:LYS:HE3	10	0.35
(1,5127)	1:36:A:LYS:HD2	1:36:A:LYS:HE3	20	0.35
(1,4780)	1:14:B:ILE:HD12	1:88:A:ALA:HA	13	0.35
(1,4779)	1:14:A:ILE:HD12	1:88:B:ALA:HA	14	0.35
(1,4734)	1:20:B:VAL:HG21	1:46:B:GLU:HB2	7	0.35
(1,4733)	1:20:A:VAL:HG21	1:46:A:GLU:HB2	7	0.35
(1,4723)	1:17:A:LEU:HG	1:15:A:GLU:HB2	6	0.35
(1,4717)	1:87:A:LEU:HD21	1:11:B:GLU:HB3	8	0.35
(1,4715)	1:17:A:LEU:HD22	1:13:B:CYS:HB2	7	0.35
(1,4643)	1:10:A:THR:HG22	1:20:B:VAL:HB	9	0.35
(1,4634)	1:14:B:ILE:H	1:14:B:ILE:HD12	3	0.35
(1,4634)	1:14:B:ILE:H	1:14:B:ILE:HD13	14	0.35
(1,4633)	1:14:A:ILE:H	1:14:A:ILE:HD12	3	0.35
(1,4633)	1:14:A:ILE:H	1:14:A:ILE:HD12	18	0.35
(1,4604)	1:47:B:LEU:HD11	1:42:B:PHE:HA	5	0.35
(1,4603)	1:47:A:LEU:HD11	1:42:A:PHE:HA	5	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4572)	1:47:B:LEU:HD11	1:39:B:PHE:HA	10	0.35
(1,4571)	1:47:A:LEU:HD11	1:39:A:PHE:HA	10	0.35
(1,4527)	1:49:A:ALA:HB2	1:47:A:LEU:HB2	16	0.35
(1,4515)	1:94:A:SER:HB3	1:95:A:PHE:HB2	10	0.35
(1,4495)	1:89:A:MET:HA	1:81:B:LEU:HD11	3	0.35
(1,4462)	1:100:B:PRO:HD3	1:99:B:VAL:HG23	4	0.35
(1,4461)	1:100:A:PRO:HD3	1:99:A:VAL:HG23	4	0.35
(1,4440)	1:49:B:ALA:HB2	1:50:B:PHE:HB2	20	0.35
(1,4439)	1:49:A:ALA:HB2	1:50:A:PHE:HB2	20	0.35
(1,4408)	1:16:B:SER:HB2	1:19:B:ALA:HB2	12	0.35
(1,4407)	1:16:A:SER:HB2	1:19:A:ALA:HB2	12	0.35
(1,4383)	1:11:A:GLU:HB3	1:14:A:ILE:HD13	7	0.35
(1,4358)	1:18:B:ILE:HB	1:19:B:ALA:HA	9	0.35
(1,4316)	1:22:B:GLN:HA	1:26:B:GLY:HA2	13	0.35
(1,4315)	1:22:A:GLN:HA	1:26:A:GLY:HA2	13	0.35
(1,4200)	1:42:B:PHE:HA	1:39:B:PHE:HA	16	0.35
(1,4199)	1:42:A:PHE:HA	1:39:A:PHE:HA	16	0.35
(1,4184)	1:13:B:CYS:HA	1:17:B:LEU:HG	13	0.35
(1,4177)	1:8:A:THR:HG22	1:46:B:GLU:H	11	0.35
(1,4161)	1:22:A:GLN:HA	1:26:A:GLY:HA3	15	0.35
(1,4154)	1:82:B:ASN:HA	1:81:B:LEU:HB2	12	0.35
(1,4153)	1:82:A:ASN:HA	1:81:A:LEU:HB2	12	0.35
(1,4150)	1:13:B:CYS:HB2	1:17:A:LEU:HG	19	0.35
(1,4113)	1:18:A:ILE:H	1:17:A:LEU:HD12	14	0.35
(1,4090)	1:60:B:LEU:HB3	1:64:B:MET:H	16	0.35
(1,4089)	1:60:A:LEU:HB3	1:64:A:MET:H	16	0.35
(1,4060)	1:66:B:LYS:H	1:65:B:LYS:HG2	1	0.35
(1,4059)	1:66:A:LYS:H	1:65:A:LYS:HG2	1	0.35
(1,4027)	1:99:A:VAL:HG21	1:102:A:GLN:H	9	0.35
(1,4023)	1:83:A:LEU:HB3	1:82:A:ASN:HB2	16	0.35
(1,3984)	1:60:B:LEU:HD12	1:52:B:LYS:H	20	0.35
(1,3983)	1:60:A:LEU:HD12	1:52:A:LYS:H	20	0.35
(1,3960)	1:99:B:VAL:HG13	1:101:B:SER:HB2	11	0.35
(1,3959)	1:99:A:VAL:HG13	1:101:A:SER:HB2	11	0.35
(1,3953)	1:68:A:ASP:HB3	1:66:A:LYS:HG3	9	0.35
(1,3942)	1:13:B:CYS:HB2	1:9:B:GLU:HG3	4	0.35
(1,3941)	1:13:A:CYS:HB2	1:9:A:GLU:HG3	4	0.35
(1,3940)	1:75:B:LEU:HD11	1:67:B:LEU:H	5	0.35
(1,3939)	1:75:A:LEU:HD11	1:67:A:LEU:H	5	0.35
(1,3939)	1:75:A:LEU:HD11	1:67:A:LEU:H	6	0.35
(1,3918)	1:19:B:ALA:H	1:20:B:VAL:HB	2	0.35
(1,3906)	1:12:B:ARG:HG3	1:10:B:THR:HA	10	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3905)	1:12:A:ARG:HG3	1:10:A:THR:HA	10	0.35
(1,3902)	1:76:B:ASP:HA	1:34:B:LEU:HB2	17	0.35
(1,3901)	1:76:A:ASP:HA	1:34:A:LEU:HB2	17	0.35
(1,3890)	1:17:B:LEU:HB2	1:18:B:ILE:HB	3	0.35
(1,3889)	1:17:A:LEU:HB2	1:18:A:ILE:HB	3	0.35
(1,3834)	1:17:B:LEU:HD11	1:14:B:ILE:H	1	0.35
(1,3833)	1:17:A:LEU:HD11	1:14:A:ILE:H	1	0.35
(1,3808)	1:37:B:THR:HB	1:39:B:PHE:H	1	0.35
(1,3808)	1:37:B:THR:HB	1:39:B:PHE:H	6	0.35
(1,3808)	1:37:B:THR:HB	1:39:B:PHE:H	8	0.35
(1,3800)	1:47:B:LEU:HA	1:87:B:LEU:HD23	17	0.35
(1,3799)	1:47:A:LEU:HA	1:87:A:LEU:HD23	17	0.35
(1,3740)	1:11:B:GLU:HB2	1:8:B:THR:HB	4	0.35
(1,3739)	1:11:A:GLU:HB2	1:8:A:THR:HB	4	0.35
(1,3732)	1:25:B:ALA:HB1	1:35:B:SER:HB2	6	0.35
(1,3707)	1:49:A:ALA:HB3	1:11:B:GLU:HG3	11	0.35
(1,3692)	1:13:B:CYS:HB2	1:17:A:LEU:HB3	17	0.35
(1,3652)	1:47:B:LEU:HD21	1:10:A:THR:H	8	0.35
(1,3638)	1:34:B:LEU:HB3	1:24:B:TYR:HB3	2	0.35
(1,3637)	1:34:A:LEU:HB3	1:24:A:TYR:HB3	2	0.35
(1,3626)	1:34:B:LEU:HA	1:24:B:TYR:HB2	17	0.35
(1,3625)	1:34:A:LEU:HA	1:24:A:TYR:HB2	15	0.35
(1,3625)	1:34:A:LEU:HA	1:24:A:TYR:HB2	17	0.35
(1,3619)	1:65:A:LYS:HG2	1:61:A:ASP:HB3	8	0.35
(1,3607)	1:37:A:THR:HG21	1:39:A:PHE:H	4	0.35
(1,3584)	1:77:B:PHE:HB2	1:79:B:GLU:H	3	0.35
(1,3584)	1:77:B:PHE:HB2	1:79:B:GLU:H	12	0.35
(1,3583)	1:77:A:PHE:HB2	1:79:A:GLU:H	3	0.35
(1,3583)	1:77:A:PHE:HB2	1:79:A:GLU:H	12	0.35
(1,3540)	1:73:B:GLY:HA3	1:68:B:ASP:HB2	9	0.35
(1,3539)	1:73:A:GLY:HA3	1:68:A:ASP:HB2	9	0.35
(1,3535)	1:18:A:ILE:HB	1:91:B:CYS:HB3	12	0.35
(1,3524)	1:73:B:GLY:HA3	1:64:B:MET:HG3	4	0.35
(1,3523)	1:73:A:GLY:HA3	1:64:A:MET:HG3	4	0.35
(1,3509)	1:7:A:PRO:HB2	1:12:A:ARG:HD3	3	0.35
(1,3509)	1:7:A:PRO:HB2	1:12:A:ARG:HD2	11	0.35
(1,3441)	1:69:A:THR:HB	1:66:A:LYS:HG2	15	0.35
(1,3434)	1:42:B:PHE:HA	1:46:B:GLU:HA	8	0.35
(1,3433)	1:42:A:PHE:HA	1:46:A:GLU:HA	8	0.35
(1,3428)	1:62:B:ARG:HD2	1:59:B:VAL:HG12	19	0.35
(1,3427)	1:62:A:ARG:HD2	1:59:A:VAL:HG12	19	0.35
(1,3411)	1:22:A:GLN:HG3	1:102:B:GLN:HG2	7	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3408)	1:11:B:GLU:HB2	1:46:A:GLU:HA	3	0.35
(1,3408)	1:11:B:GLU:HB2	1:46:A:GLU:HA	4	0.35
(1,3408)	1:11:B:GLU:HB2	1:46:A:GLU:HA	8	0.35
(1,3408)	1:11:B:GLU:HB2	1:46:A:GLU:HA	15	0.35
(1,3407)	1:11:A:GLU:HB2	1:46:B:GLU:HA	8	0.35
(1,3404)	1:9:B:GLU:HB3	1:16:A:SER:HB3	8	0.35
(1,3403)	1:9:A:GLU:HB3	1:16:B:SER:HB3	8	0.35
(1,3381)	1:87:A:LEU:HD21	1:11:B:GLU:HB3	8	0.35
(1,3362)	1:19:B:ALA:HB1	1:9:A:GLU:HA	13	0.35
(1,3361)	1:19:A:ALA:HB1	1:9:B:GLU:HA	13	0.35
(1,3360)	1:19:B:ALA:HB1	1:9:A:GLU:HA	13	0.35
(1,3359)	1:19:A:ALA:HB1	1:9:B:GLU:HA	13	0.35
(1,3354)	1:84:B:ILE:HG21	1:17:A:LEU:HD11	10	0.35
(1,3353)	1:84:A:ILE:HG21	1:17:B:LEU:HD11	10	0.35
(1,2775)	1:50:A:PHE:H	1:47:A:LEU:HB2	7	0.35
(1,2768)	1:80:B:PHE:H	1:75:B:LEU:HB2	17	0.35
(1,2768)	1:80:B:PHE:H	1:75:B:LEU:HB2	19	0.35
(1,2767)	1:80:A:PHE:H	1:75:A:LEU:HB2	17	0.35
(1,2767)	1:80:A:PHE:H	1:75:A:LEU:HB2	19	0.35
(1,2724)	1:78:B:SER:H	1:81:B:LEU:HD12	12	0.35
(1,2724)	1:78:B:SER:H	1:81:B:LEU:HD12	16	0.35
(1,2723)	1:78:A:SER:H	1:81:A:LEU:HD12	12	0.35
(1,2723)	1:78:A:SER:H	1:81:A:LEU:HD12	16	0.35
(1,2592)	1:26:B:GLY:H	1:24:B:TYR:HB3	12	0.35
(1,2591)	1:26:A:GLY:H	1:24:A:TYR:HB3	12	0.35
(1,2150)	1:23:B:LYS:HG2	1:23:B:LYS:HE2	17	0.35
(1,2032)	1:40:B:LEU:HD13	1:36:B:LYS:HE2	10	0.35
(1,2032)	1:40:B:LEU:HD13	1:36:B:LYS:HE2	19	0.35
(1,2031)	1:40:A:LEU:HD13	1:36:A:LYS:HE2	10	0.35
(1,1739)	1:23:A:LYS:HE2	1:8:B:THR:HB	10	0.35
(1,1739)	1:23:A:LYS:HE3	1:8:B:THR:HB	11	0.35
(1,1682)	1:50:B:PHE:HB2	1:47:B:LEU:HD22	3	0.35
(1,1681)	1:50:A:PHE:HB2	1:47:A:LEU:HD22	3	0.35
(1,1608)	1:47:B:LEU:HB2	1:50:B:PHE:HB3	18	0.35
(1,1607)	1:47:A:LEU:HB2	1:50:A:PHE:HB3	18	0.35
(1,1530)	1:9:B:GLU:H	1:8:B:THR:HG23	12	0.35
(1,1529)	1:9:A:GLU:H	1:8:A:THR:HG23	12	0.35
(1,1454)	1:48:B:ALA:HA	1:51:B:THR:HG21	15	0.35
(1,1329)	1:48:A:ALA:H	1:43:A:MET:HB3	18	0.35
(1,1308)	1:75:B:LEU:HD11	1:75:B:LEU:HA	3	0.35
(1,1308)	1:75:B:LEU:HD12	1:75:B:LEU:HA	4	0.35
(1,1308)	1:75:B:LEU:HD13	1:75:B:LEU:HA	18	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1307)	1:75:A:LEU:HD11	1:75:A:LEU:HA	3	0.35
(1,1307)	1:75:A:LEU:HD12	1:75:A:LEU:HA	4	0.35
(1,1307)	1:75:A:LEU:HD11	1:75:A:LEU:HA	7	0.35
(1,1307)	1:75:A:LEU:HD13	1:75:A:LEU:HA	18	0.35
(1,1307)	1:75:A:LEU:HD11	1:75:A:LEU:HA	19	0.35
(1,1238)	1:62:B:ARG:HB3	1:59:B:VAL:HA	10	0.35
(1,1237)	1:62:A:ARG:HB3	1:59:A:VAL:HA	10	0.35
(1,1222)	1:89:B:MET:HG2	1:88:B:ALA:HB3	5	0.35
(1,1222)	1:89:B:MET:HG2	1:88:B:ALA:HB2	11	0.35
(1,1222)	1:89:B:MET:HG2	1:88:B:ALA:HB2	13	0.35
(1,1221)	1:89:A:MET:HG2	1:88:A:ALA:HB3	5	0.35
(1,1206)	1:48:B:ALA:HB1	1:52:B:LYS:H	13	0.35
(1,1023)	1:53:A:ASN:HA	1:52:A:LYS:HG2	11	0.35
(1,942)	1:18:B:ILE:HG21	1:15:B:GLU:HB3	7	0.35
(1,942)	1:18:B:ILE:HG21	1:15:B:GLU:HB3	13	0.35
(1,941)	1:18:A:ILE:HG21	1:15:A:GLU:HB3	13	0.35
(1,901)	1:40:A:LEU:HB3	1:37:A:THR:HG21	9	0.35
(1,836)	1:59:B:VAL:HG22	1:62:B:ARG:H	5	0.35
(1,835)	1:59:A:VAL:HG22	1:62:A:ARG:H	5	0.35
(1,794)	1:93:B:ASP:HB3	1:96:B:LEU:HD22	7	0.35
(1,714)	1:16:B:SER:HB3	1:17:B:LEU:HD21	17	0.35
(1,691)	1:15:A:GLU:HG2	1:16:A:SER:H	15	0.35
(1,674)	1:13:B:CYS:HB2	1:14:B:ILE:HG13	18	0.35
(1,673)	1:13:A:CYS:HB2	1:14:A:ILE:HG13	18	0.35
(1,662)	1:73:B:GLY:HA2	1:74:B:GLN:HG3	19	0.35
(1,661)	1:73:A:GLY:HA2	1:74:A:GLN:HG3	18	0.35
(1,650)	1:15:B:GLU:HG2	1:16:B:SER:H	1	0.35
(1,650)	1:15:B:GLU:HG2	1:16:B:SER:H	18	0.35
(1,650)	1:15:B:GLU:HG2	1:16:B:SER:H	19	0.35
(1,649)	1:15:A:GLU:HG2	1:16:A:SER:H	18	0.35
(1,649)	1:15:A:GLU:HG2	1:16:A:SER:H	19	0.35
(1,622)	1:63:B:MET:H	1:62:B:ARG:HG2	5	0.35
(1,621)	1:63:A:MET:H	1:62:A:ARG:HG2	5	0.35
(1,621)	1:63:A:MET:H	1:62:A:ARG:HG2	6	0.35
(1,551)	1:42:A:PHE:HA	1:45:A:THR:HG22	15	0.35
(1,387)	1:100:A:PRO:HD3	1:95:A:PHE:HB3	10	0.35
(1,304)	1:22:B:GLN:HB2	1:18:B:ILE:H	2	0.35
(1,304)	1:22:B:GLN:HB2	1:18:B:ILE:H	11	0.35
(1,304)	1:22:B:GLN:HB2	1:18:B:ILE:H	20	0.35
(1,303)	1:22:A:GLN:HB2	1:18:A:ILE:H	2	0.35
(1,303)	1:22:A:GLN:HB2	1:18:A:ILE:H	12	0.35
(1,303)	1:22:A:GLN:HB2	1:18:A:ILE:H	20	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,254)	1:57:B:PRO:HD3	1:59:B:VAL:HG13	11	0.35
(1,253)	1:57:A:PRO:HD3	1:59:A:VAL:HG13	11	0.35
(1,146)	1:78:B:SER:HB2	1:81:B:LEU:HB3	14	0.35
(1,146)	1:78:B:SER:HB2	1:81:B:LEU:HB3	18	0.35
(1,145)	1:78:A:SER:HB2	1:81:A:LEU:HB3	14	0.35
(1,145)	1:78:A:SER:HB2	1:81:A:LEU:HB3	18	0.35
(1,136)	1:89:B:MET:HG2	1:85:B:GLY:HA3	12	0.35
(1,5704)	1:81:B:LEU:H	1:81:B:LEU:HD21	9	0.34
(1,5703)	1:81:A:LEU:H	1:81:A:LEU:HD22	12	0.34
(1,5703)	1:81:A:LEU:H	1:81:A:LEU:HD21	14	0.34
(1,5682)	1:87:B:LEU:H	1:87:B:LEU:HD13	5	0.34
(1,5682)	1:87:B:LEU:H	1:87:B:LEU:HD11	8	0.34
(1,5681)	1:87:A:LEU:H	1:87:A:LEU:HD13	5	0.34
(1,5681)	1:87:A:LEU:H	1:87:A:LEU:HD11	8	0.34
(1,5534)	1:82:B:ASN:H	1:80:B:PHE:HA	15	0.34
(1,5511)	1:42:A:PHE:H	1:46:A:GLU:HB2	20	0.34
(1,5502)	1:82:B:ASN:H	1:86:B:GLY:H	7	0.34
(1,5501)	1:82:A:ASN:H	1:86:A:GLY:H	7	0.34
(1,5478)	1:37:B:THR:H	1:40:B:LEU:HD22	10	0.34
(1,5476)	1:50:B:PHE:H	1:47:B:LEU:HD21	15	0.34
(1,5464)	1:45:B:THR:H	1:46:B:GLU:HB2	1	0.34
(1,5464)	1:45:B:THR:H	1:46:B:GLU:HB2	5	0.34
(1,5463)	1:45:A:THR:H	1:46:A:GLU:HB2	1	0.34
(1,5463)	1:45:A:THR:H	1:46:A:GLU:HB2	2	0.34
(1,5463)	1:45:A:THR:H	1:46:A:GLU:HB2	5	0.34
(1,5412)	1:17:B:LEU:H	1:18:B:ILE:HB	1	0.34
(1,5411)	1:17:A:LEU:H	1:18:A:ILE:HB	1	0.34
(1,5349)	1:26:A:GLY:H	1:22:A:GLN:HB3	11	0.34
(1,5314)	1:92:B:HIS:H	1:18:A:ILE:HG22	11	0.34
(1,5313)	1:92:A:HIS:H	1:18:B:ILE:HG23	2	0.34
(1,5241)	1:81:A:LEU:H	1:77:A:PHE:H	7	0.34
(1,4937)	1:10:A:THR:HG23	1:87:B:LEU:HD21	9	0.34
(1,4856)	1:25:B:ALA:HA	1:34:B:LEU:HD21	12	0.34
(1,4855)	1:25:A:ALA:HA	1:34:A:LEU:HD21	12	0.34
(1,4780)	1:14:B:ILE:HD11	1:88:A:ALA:HA	19	0.34
(1,4779)	1:14:A:ILE:HD12	1:88:B:ALA:HA	4	0.34
(1,4779)	1:14:A:ILE:HD12	1:88:B:ALA:HA	13	0.34
(1,4779)	1:14:A:ILE:HD11	1:88:B:ALA:HA	16	0.34
(1,4755)	1:46:A:GLU:HB2	1:45:A:THR:HG23	18	0.34
(1,4724)	1:17:B:LEU:HG	1:15:B:GLU:HB2	6	0.34
(1,4724)	1:17:B:LEU:HG	1:17:A:LEU:HG	14	0.34
(1,4723)	1:17:A:LEU:HG	1:17:B:LEU:HG	14	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4716)	1:17:B:LEU:HD22	1:13:A:CYS:HB2	7	0.34
(1,4710)	1:15:B:GLU:HB3	1:18:B:ILE:HB	6	0.34
(1,4709)	1:15:A:GLU:HB3	1:18:A:ILE:HB	6	0.34
(1,4695)	1:20:A:VAL:HG13	1:17:A:LEU:HD13	15	0.34
(1,4644)	1:10:B:THR:HG22	1:20:A:VAL:HB	7	0.34
(1,4643)	1:10:A:THR:HG23	1:20:B:VAL:HB	4	0.34
(1,4643)	1:10:A:THR:HG22	1:20:B:VAL:HB	7	0.34
(1,4643)	1:10:A:THR:HG22	1:20:B:VAL:HB	15	0.34
(1,4634)	1:14:B:ILE:H	1:14:B:ILE:HD12	12	0.34
(1,4634)	1:14:B:ILE:H	1:14:B:ILE:HD12	18	0.34
(1,4633)	1:14:A:ILE:H	1:14:A:ILE:HD12	12	0.34
(1,4633)	1:14:A:ILE:H	1:14:A:ILE:HD13	14	0.34
(1,4528)	1:49:B:ALA:HB2	1:47:B:LEU:HB2	16	0.34
(1,4516)	1:94:B:SER:HB3	1:95:B:PHE:HB2	10	0.34
(1,4496)	1:89:B:MET:HA	1:81:A:LEU:HD11	3	0.34
(1,4495)	1:89:A:MET:HA	1:81:B:LEU:HD12	7	0.34
(1,4457)	1:18:A:ILE:HG22	1:19:A:ALA:HB1	4	0.34
(1,4424)	1:40:B:LEU:HG	1:36:B:LYS:HA	6	0.34
(1,4424)	1:40:B:LEU:HG	1:36:B:LYS:HA	13	0.34
(1,4423)	1:40:A:LEU:HG	1:36:A:LYS:HA	6	0.34
(1,4423)	1:40:A:LEU:HG	1:36:A:LYS:HA	13	0.34
(1,4384)	1:11:B:GLU:HB3	1:14:B:ILE:HD13	7	0.34
(1,4357)	1:18:A:ILE:HB	1:19:A:ALA:HA	9	0.34
(1,4334)	1:68:B:ASP:HB2	1:67:B:LEU:HB2	6	0.34
(1,4333)	1:68:A:ASP:HB2	1:67:A:LEU:HB2	6	0.34
(1,4298)	1:44:B:ASN:HA	1:47:B:LEU:HD12	19	0.34
(1,4297)	1:44:A:ASN:HA	1:47:A:LEU:HD12	19	0.34
(1,4274)	1:89:B:MET:HB2	1:81:A:LEU:HD11	10	0.34
(1,4273)	1:89:A:MET:HB2	1:81:B:LEU:HD11	10	0.34
(1,4233)	1:68:A:ASP:HB2	1:65:A:LYS:HD2	8	0.34
(1,4198)	1:60:B:LEU:HD11	1:44:B:ASN:HB2	5	0.34
(1,4197)	1:60:A:LEU:HD11	1:44:A:ASN:HB2	5	0.34
(1,4188)	1:11:B:GLU:HA	1:13:B:CYS:HA	9	0.34
(1,4187)	1:11:A:GLU:HA	1:13:A:CYS:HA	9	0.34
(1,4183)	1:13:A:CYS:HA	1:17:A:LEU:HG	13	0.34
(1,4149)	1:13:A:CYS:HB2	1:17:B:LEU:HG	17	0.34
(1,4144)	1:58:B:GLY:HA3	1:61:B:ASP:HB3	19	0.34
(1,4143)	1:58:A:GLY:HA3	1:61:A:ASP:HB3	19	0.34
(1,4114)	1:18:B:ILE:H	1:17:B:LEU:HD12	14	0.34
(1,4064)	1:23:B:LYS:HD3	1:24:B:TYR:H	18	0.34
(1,4063)	1:23:A:LYS:HD3	1:24:A:TYR:H	18	0.34
(1,4062)	1:66:B:LYS:H	1:65:B:LYS:HG2	17	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4052)	1:58:B:GLY:HA3	1:57:B:PRO:HG2	5	0.34
(1,4046)	1:11:B:GLU:HB2	1:10:B:THR:HG21	1	0.34
(1,4045)	1:11:A:GLU:HB2	1:10:A:THR:HG21	1	0.34
(1,4034)	1:21:B:PHE:H	1:19:B:ALA:HA	14	0.34
(1,4034)	1:21:B:PHE:H	1:19:B:ALA:HA	17	0.34
(1,4033)	1:21:A:PHE:H	1:19:A:ALA:HA	14	0.34
(1,4033)	1:21:A:PHE:H	1:19:A:ALA:HA	17	0.34
(1,4028)	1:99:B:VAL:HG21	1:102:B:GLN:H	9	0.34
(1,3980)	1:82:B:ASN:HA	1:67:B:LEU:HB3	10	0.34
(1,3980)	1:82:B:ASN:HA	1:67:B:LEU:HB3	18	0.34
(1,3979)	1:82:A:ASN:HA	1:67:A:LEU:HB3	10	0.34
(1,3979)	1:82:A:ASN:HA	1:67:A:LEU:HB3	18	0.34
(1,3954)	1:68:B:ASP:HB3	1:66:B:LYS:HG3	9	0.34
(1,3952)	1:15:B:GLU:HA	1:14:B:ILE:HA	17	0.34
(1,3951)	1:15:A:GLU:HA	1:14:A:ILE:HA	17	0.34
(1,3930)	1:74:B:GLN:HA	1:34:B:LEU:HB3	11	0.34
(1,3930)	1:74:B:GLN:HA	1:34:B:LEU:HB3	18	0.34
(1,3929)	1:74:A:GLN:HA	1:34:A:LEU:HB3	11	0.34
(1,3929)	1:74:A:GLN:HA	1:34:A:LEU:HB3	18	0.34
(1,3917)	1:19:A:ALA:H	1:20:A:VAL:HB	2	0.34
(1,3904)	1:57:B:PRO:HA	1:59:B:VAL:HA	3	0.34
(1,3902)	1:76:B:ASP:HA	1:34:B:LEU:HB2	11	0.34
(1,3901)	1:76:A:ASP:HA	1:34:A:LEU:HB2	11	0.34
(1,3890)	1:17:B:LEU:HB2	1:18:B:ILE:HB	2	0.34
(1,3889)	1:17:A:LEU:HB2	1:18:A:ILE:HB	2	0.34
(1,3888)	1:14:B:ILE:HA	1:13:B:CYS:HA	10	0.34
(1,3887)	1:14:A:ILE:HA	1:13:A:CYS:HA	10	0.34
(1,3862)	1:98:B:ALA:HB3	1:96:B:LEU:HD23	3	0.34
(1,3861)	1:98:A:ALA:HB3	1:96:A:LEU:HD23	3	0.34
(1,3807)	1:37:A:THR:HB	1:39:A:PHE:H	6	0.34
(1,3807)	1:37:A:THR:HB	1:39:A:PHE:H	8	0.34
(1,3740)	1:11:B:GLU:HB2	1:8:B:THR:HB	13	0.34
(1,3707)	1:49:A:ALA:HB2	1:11:B:GLU:HG3	2	0.34
(1,3692)	1:13:B:CYS:HB2	1:17:A:LEU:HB3	16	0.34
(1,3691)	1:13:A:CYS:HB2	1:17:B:LEU:HB3	16	0.34
(1,3630)	1:63:B:MET:HG3	1:64:B:MET:HA	19	0.34
(1,3629)	1:63:A:MET:HG3	1:64:A:MET:HA	19	0.34
(1,3620)	1:65:B:LYS:HG2	1:61:B:ASP:HB3	17	0.34
(1,3608)	1:37:B:THR:HG23	1:39:B:PHE:H	3	0.34
(1,3607)	1:37:A:THR:HG23	1:39:A:PHE:H	3	0.34
(1,3604)	1:14:B:ILE:HB	1:13:B:CYS:HB3	10	0.34
(1,3603)	1:14:A:ILE:HB	1:13:A:CYS:HB3	10	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3602)	1:64:B:MET:HB3	1:61:B:ASP:HB2	4	0.34
(1,3601)	1:64:A:MET:HB3	1:61:A:ASP:HB2	4	0.34
(1,3601)	1:64:A:MET:HB3	1:61:A:ASP:HB2	7	0.34
(1,3596)	1:13:B:CYS:HB2	1:20:A:VAL:HG12	11	0.34
(1,3595)	1:13:A:CYS:HB2	1:20:B:VAL:HG12	11	0.34
(1,3578)	1:51:B:THR:HB	1:44:B:ASN:HB3	4	0.34
(1,3577)	1:51:A:THR:HB	1:44:A:ASN:HB3	4	0.34
(1,3524)	1:73:B:GLY:HA3	1:64:B:MET:HG3	12	0.34
(1,3524)	1:73:B:GLY:HA3	1:64:B:MET:HG3	13	0.34
(1,3518)	1:51:B:THR:HB	1:44:B:ASN:HB2	8	0.34
(1,3517)	1:51:A:THR:HB	1:44:A:ASN:HB2	8	0.34
(1,3510)	1:7:B:PRO:HB2	1:12:B:ARG:HD2	11	0.34
(1,3508)	1:46:B:GLU:HB3	1:45:B:THR:HB	4	0.34
(1,3507)	1:46:A:GLU:HB3	1:45:A:THR:HB	4	0.34
(1,3468)	1:75:B:LEU:HB3	1:33:B:THR:HA	17	0.34
(1,3467)	1:75:A:LEU:HB3	1:33:A:THR:HA	17	0.34
(1,3462)	1:84:B:ILE:HB	1:80:B:PHE:HB3	15	0.34
(1,3461)	1:84:A:ILE:HB	1:80:A:PHE:HB3	15	0.34
(1,3408)	1:11:B:GLU:HB2	1:46:A:GLU:HA	7	0.34
(1,3392)	1:17:B:LEU:HD13	1:13:A:CYS:HA	16	0.34
(1,3371)	1:10:A:THR:HG23	1:87:B:LEU:HD21	9	0.34
(1,2768)	1:80:B:PHE:H	1:75:B:LEU:HB2	6	0.34
(1,2768)	1:80:B:PHE:H	1:75:B:LEU:HB2	8	0.34
(1,2768)	1:80:B:PHE:H	1:75:B:LEU:HB2	13	0.34
(1,2767)	1:80:A:PHE:H	1:75:A:LEU:HB2	6	0.34
(1,2767)	1:80:A:PHE:H	1:75:A:LEU:HB2	8	0.34
(1,2767)	1:80:A:PHE:H	1:75:A:LEU:HB2	13	0.34
(1,2592)	1:26:B:GLY:H	1:24:B:TYR:HB3	17	0.34
(1,2591)	1:26:A:GLY:H	1:24:A:TYR:HB3	17	0.34
(1,2334)	1:60:B:LEU:HD21	1:60:B:LEU:HG	14	0.34
(1,2334)	1:60:B:LEU:HD22	1:60:B:LEU:HG	15	0.34
(1,2333)	1:60:A:LEU:HD21	1:60:A:LEU:HG	14	0.34
(1,2149)	1:23:A:LYS:HG2	1:23:A:LYS:HE2	17	0.34
(1,1861)	1:66:A:LYS:HG3	1:67:A:LEU:HD21	3	0.34
(1,1808)	1:10:B:THR:HA	1:10:B:THR:HG22	11	0.34
(1,1807)	1:10:A:THR:HA	1:10:A:THR:HG22	11	0.34
(1,1768)	1:20:B:VAL:HG11	1:24:B:TYR:H	13	0.34
(1,1767)	1:20:A:VAL:HG11	1:24:A:TYR:H	13	0.34
(1,1740)	1:23:B:LYS:HE2	1:8:A:THR:HB	10	0.34
(1,1740)	1:23:B:LYS:HE3	1:8:A:THR:HB	11	0.34
(1,1529)	1:9:A:GLU:H	1:8:A:THR:HG21	9	0.34
(1,1506)	1:12:B:ARG:HD3	1:13:B:CYS:HB2	13	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1505)	1:12:A:ARG:HD3	1:13:A:CYS:HB2	13	0.34
(1,1453)	1:48:A:ALA:HA	1:51:A:THR:HG21	15	0.34
(1,1402)	1:15:B:GLU:HA	1:18:B:ILE:HG23	9	0.34
(1,1401)	1:15:A:GLU:HA	1:18:A:ILE:HG23	9	0.34
(1,1397)	1:68:A:ASP:HB3	1:75:A:LEU:HD21	19	0.34
(1,1330)	1:48:B:ALA:H	1:43:B:MET:HB3	18	0.34
(1,1308)	1:75:B:LEU:HD12	1:75:B:LEU:HA	17	0.34
(1,1308)	1:75:B:LEU:HD11	1:75:B:LEU:HA	19	0.34
(1,1307)	1:75:A:LEU:HD12	1:75:A:LEU:HA	17	0.34
(1,1238)	1:62:B:ARG:HB3	1:59:B:VAL:HA	13	0.34
(1,1237)	1:62:A:ARG:HB3	1:59:A:VAL:HA	13	0.34
(1,1222)	1:89:B:MET:HG2	1:88:B:ALA:HB1	7	0.34
(1,1222)	1:89:B:MET:HG2	1:88:B:ALA:HB1	16	0.34
(1,1221)	1:89:A:MET:HG2	1:88:A:ALA:HB2	3	0.34
(1,1221)	1:89:A:MET:HG2	1:88:A:ALA:HB2	11	0.34
(1,1221)	1:89:A:MET:HG2	1:88:A:ALA:HB1	16	0.34
(1,1166)	1:81:B:LEU:HD21	1:80:B:PHE:HB3	2	0.34
(1,1165)	1:81:A:LEU:HD21	1:80:A:PHE:HB3	2	0.34
(1,1088)	1:84:B:ILE:H	1:81:B:LEU:HD22	7	0.34
(1,1088)	1:84:B:ILE:H	1:81:B:LEU:HD22	12	0.34
(1,1087)	1:84:A:ILE:H	1:81:A:LEU:HD22	7	0.34
(1,1006)	1:9:B:GLU:HG3	1:8:B:THR:HB	15	0.34
(1,1005)	1:9:A:GLU:HG3	1:8:A:THR:HB	15	0.34
(1,942)	1:18:B:ILE:HG22	1:15:B:GLU:HB3	8	0.34
(1,941)	1:18:A:ILE:HG21	1:15:A:GLU:HB3	7	0.34
(1,941)	1:18:A:ILE:HG22	1:15:A:GLU:HB3	8	0.34
(1,941)	1:18:A:ILE:HG22	1:15:A:GLU:HB3	15	0.34
(1,902)	1:40:B:LEU:HB3	1:37:B:THR:HG21	17	0.34
(1,901)	1:40:A:LEU:HB3	1:37:A:THR:HG21	17	0.34
(1,884)	1:34:B:LEU:HB3	1:80:B:PHE:HB2	2	0.34
(1,883)	1:34:A:LEU:HB3	1:80:A:PHE:HB2	2	0.34
(1,793)	1:93:A:ASP:HB3	1:96:A:LEU:HD22	7	0.34
(1,714)	1:16:B:SER:HB3	1:17:B:LEU:HD21	8	0.34
(1,692)	1:15:B:GLU:HG2	1:16:B:SER:H	15	0.34
(1,662)	1:73:B:GLY:HA2	1:74:B:GLN:HG3	18	0.34
(1,650)	1:15:B:GLU:HG2	1:16:B:SER:H	3	0.34
(1,648)	1:14:B:ILE:HB	1:88:A:ALA:HB1	14	0.34
(1,647)	1:14:A:ILE:HB	1:88:B:ALA:HB1	14	0.34
(1,610)	1:63:B:MET:H	1:62:B:ARG:HG2	6	0.34
(1,552)	1:42:B:PHE:HA	1:45:B:THR:HG22	15	0.34
(1,444)	1:15:B:GLU:HG3	1:91:A:CYS:HB2	9	0.34
(1,421)	1:18:A:ILE:HG23	1:95:B:PHE:H	3	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,395)	1:25:A:ALA:HB2	1:75:A:LEU:H	3	0.34
(1,304)	1:22:B:GLN:HB2	1:18:B:ILE:H	12	0.34
(1,304)	1:22:B:GLN:HB2	1:18:B:ILE:H	18	0.34
(1,303)	1:22:A:GLN:HB2	1:18:A:ILE:H	11	0.34
(1,303)	1:22:A:GLN:HB2	1:18:A:ILE:H	17	0.34
(1,303)	1:22:A:GLN:HB2	1:18:A:ILE:H	18	0.34
(1,268)	1:75:B:LEU:HB3	1:39:B:PHE:HB3	19	0.34
(1,267)	1:75:A:LEU:HB3	1:39:A:PHE:HB3	19	0.34
(1,252)	1:76:B:ASP:HB2	1:77:B:PHE:HB2	5	0.34
(1,220)	1:75:B:LEU:HD13	1:68:B:ASP:HA	1	0.34
(1,188)	1:42:B:PHE:HA	1:34:B:LEU:HD22	18	0.34
(1,147)	1:18:A:ILE:HG23	1:92:B:HIS:H	3	0.34
(1,147)	1:18:A:ILE:HG22	1:92:B:HIS:H	7	0.34
(1,146)	1:78:B:SER:HB2	1:81:B:LEU:HB3	5	0.34
(1,146)	1:78:B:SER:HB2	1:81:B:LEU:HB3	9	0.34
(1,145)	1:78:A:SER:HB2	1:81:A:LEU:HB3	9	0.34
(1,136)	1:89:B:MET:HG2	1:85:B:GLY:HA3	1	0.34
(1,135)	1:89:A:MET:HG2	1:85:A:GLY:HA3	1	0.34
(1,135)	1:89:A:MET:HG2	1:85:A:GLY:HA3	12	0.34
(1,42)	1:81:B:LEU:HD21	1:88:A:ALA:HB1	12	0.34
(1,42)	1:81:B:LEU:HD23	1:88:A:ALA:HB3	20	0.34
(1,41)	1:81:A:LEU:HD23	1:88:B:ALA:HB3	20	0.34
(2,30)	1:10:B:THR:HA	1:11:B:GLU:HG2	18	0.33
(2,29)	1:10:A:THR:HA	1:11:A:GLU:HG2	18	0.33
(1,5722)	1:67:B:LEU:H	1:67:B:LEU:HD21	3	0.33
(1,5721)	1:67:A:LEU:H	1:67:A:LEU:HD21	3	0.33
(1,5704)	1:81:B:LEU:H	1:81:B:LEU:HD22	7	0.33
(1,5703)	1:81:A:LEU:H	1:81:A:LEU:HD22	7	0.33
(1,5558)	1:88:B:ALA:H	1:81:A:LEU:HD11	6	0.33
(1,5533)	1:82:A:ASN:H	1:80:A:PHE:HA	15	0.33
(1,5502)	1:82:B:ASN:H	1:86:B:GLY:H	8	0.33
(1,5501)	1:82:A:ASN:H	1:86:A:GLY:H	8	0.33
(1,5440)	1:93:B:ASP:H	1:96:B:LEU:HB2	14	0.33
(1,5439)	1:93:A:ASP:H	1:96:A:LEU:HB2	14	0.33
(1,5355)	1:19:A:ALA:H	1:17:A:LEU:HB2	8	0.33
(1,5350)	1:26:B:GLY:H	1:22:B:GLN:HB3	5	0.33
(1,5350)	1:26:B:GLY:H	1:22:B:GLN:HB3	11	0.33
(1,5313)	1:92:A:HIS:H	1:18:B:ILE:HG22	11	0.33
(1,5284)	1:98:B:ALA:H	1:96:B:LEU:HD22	16	0.33
(1,5283)	1:98:A:ALA:H	1:96:A:LEU:HD22	16	0.33
(1,5276)	1:94:B:SER:H	1:96:B:LEU:HD21	10	0.33
(1,5275)	1:94:A:SER:H	1:96:A:LEU:HD21	10	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5224)	1:21:B:PHE:H	1:25:B:ALA:HB2	13	0.33
(1,5223)	1:21:A:PHE:H	1:25:A:ALA:HB2	13	0.33
(1,5178)	1:60:B:LEU:HD12	1:60:B:LEU:HD11	1	0.33
(1,5178)	1:60:B:LEU:HD12	1:60:B:LEU:HD13	2	0.33
(1,5178)	1:60:B:LEU:HD12	1:60:B:LEU:HD11	3	0.33
(1,5178)	1:60:B:LEU:HD12	1:60:B:LEU:HD13	4	0.33
(1,5178)	1:60:B:LEU:HD12	1:60:B:LEU:HD13	5	0.33
(1,5178)	1:60:B:LEU:HD11	1:60:B:LEU:HD13	6	0.33
(1,5178)	1:83:B:LEU:HD12	1:83:B:LEU:HD13	7	0.33
(1,5178)	1:60:B:LEU:HD11	1:60:B:LEU:HD13	8	0.33
(1,5178)	1:60:B:LEU:HD12	1:60:B:LEU:HD11	9	0.33
(1,5178)	1:60:B:LEU:HD11	1:60:B:LEU:HD13	10	0.33
(1,5178)	1:60:B:LEU:HD12	1:60:B:LEU:HD11	11	0.33
(1,5178)	1:60:B:LEU:HD11	1:60:B:LEU:HD13	12	0.33
(1,5178)	1:40:B:LEU:HD11	1:40:B:LEU:HD13	13	0.33
(1,5178)	1:60:B:LEU:HD11	1:60:B:LEU:HD13	14	0.33
(1,5178)	1:60:B:LEU:HD12	1:60:B:LEU:HD11	15	0.33
(1,5178)	1:60:B:LEU:HD12	1:60:B:LEU:HD13	16	0.33
(1,5178)	1:40:B:LEU:HD12	1:40:B:LEU:HD13	17	0.33
(1,5178)	1:83:B:LEU:HD12	1:83:B:LEU:HD11	18	0.33
(1,5178)	1:60:B:LEU:HD11	1:60:B:LEU:HD13	19	0.33
(1,5178)	1:60:B:LEU:HD11	1:60:B:LEU:HD13	20	0.33
(1,5177)	1:60:A:LEU:HD12	1:60:A:LEU:HD11	1	0.33
(1,5177)	1:60:A:LEU:HD12	1:60:A:LEU:HD13	2	0.33
(1,5177)	1:60:A:LEU:HD12	1:60:A:LEU:HD11	3	0.33
(1,5177)	1:60:A:LEU:HD12	1:60:A:LEU:HD13	4	0.33
(1,5177)	1:60:A:LEU:HD12	1:60:A:LEU:HD13	5	0.33
(1,5177)	1:60:A:LEU:HD12	1:60:A:LEU:HD11	6	0.33
(1,5177)	1:40:A:LEU:HD12	1:40:A:LEU:HD13	7	0.33
(1,5177)	1:60:A:LEU:HD11	1:60:A:LEU:HD13	8	0.33
(1,5177)	1:60:A:LEU:HD11	1:60:A:LEU:HD13	9	0.33
(1,5177)	1:60:A:LEU:HD11	1:60:A:LEU:HD13	10	0.33
(1,5177)	1:60:A:LEU:HD11	1:60:A:LEU:HD13	11	0.33
(1,5177)	1:60:A:LEU:HD11	1:60:A:LEU:HD13	12	0.33
(1,5177)	1:40:A:LEU:HD11	1:40:A:LEU:HD13	13	0.33
(1,5177)	1:60:A:LEU:HD11	1:60:A:LEU:HD13	14	0.33
(1,5177)	1:60:A:LEU:HD12	1:60:A:LEU:HD11	15	0.33
(1,5177)	1:60:A:LEU:HD12	1:60:A:LEU:HD13	16	0.33
(1,5177)	1:40:A:LEU:HD11	1:40:A:LEU:HD13	17	0.33
(1,5177)	1:60:A:LEU:HD12	1:60:A:LEU:HD13	18	0.33
(1,5177)	1:60:A:LEU:HD11	1:60:A:LEU:HD13	19	0.33
(1,5177)	1:60:A:LEU:HD11	1:60:A:LEU:HD13	20	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5128)	1:36:B:LYS:HD2	1:36:B:LYS:HE3	5	0.33
(1,5127)	1:36:A:LYS:HD2	1:36:A:LYS:HE3	5	0.33
(1,4883)	1:68:A:ASP:HA	1:33:A:THR:HG22	11	0.33
(1,4861)	1:68:A:ASP:HA	1:33:A:THR:HG22	11	0.33
(1,4855)	1:25:A:ALA:HA	1:34:A:LEU:HD22	3	0.33
(1,4790)	1:66:B:LYS:HB2	1:67:B:LEU:HD21	3	0.33
(1,4789)	1:66:A:LYS:HB2	1:67:A:LEU:HD21	3	0.33
(1,4780)	1:14:B:ILE:HD13	1:88:A:ALA:HA	2	0.33
(1,4780)	1:14:B:ILE:HD12	1:88:A:ALA:HA	14	0.33
(1,4780)	1:14:B:ILE:HD11	1:88:A:ALA:HA	16	0.33
(1,4780)	1:14:B:ILE:HD11	1:88:A:ALA:HA	17	0.33
(1,4779)	1:14:A:ILE:HD13	1:88:B:ALA:HA	2	0.33
(1,4779)	1:14:A:ILE:HD11	1:88:B:ALA:HA	12	0.33
(1,4779)	1:14:A:ILE:HD11	1:88:B:ALA:HA	19	0.33
(1,4756)	1:46:B:GLU:HB2	1:45:B:THR:HG23	18	0.33
(1,4742)	1:44:B:ASN:HA	1:60:B:LEU:HD12	19	0.33
(1,4741)	1:44:A:ASN:HA	1:60:A:LEU:HD12	19	0.33
(1,4724)	1:17:B:LEU:HG	1:17:A:LEU:HG	1	0.33
(1,4724)	1:17:B:LEU:HG	1:17:A:LEU:HG	15	0.33
(1,4723)	1:17:A:LEU:HG	1:17:B:LEU:HG	1	0.33
(1,4723)	1:17:A:LEU:HG	1:17:B:LEU:HG	15	0.33
(1,4710)	1:15:B:GLU:HB3	1:18:B:ILE:HB	13	0.33
(1,4709)	1:15:A:GLU:HB3	1:18:A:ILE:HB	13	0.33
(1,4704)	1:67:B:LEU:H	1:67:B:LEU:HD21	8	0.33
(1,4696)	1:20:B:VAL:HG13	1:17:B:LEU:HD13	15	0.33
(1,4676)	1:89:B:MET:HG3	1:78:A:SER:HB3	9	0.33
(1,4644)	1:10:B:THR:HG22	1:20:A:VAL:HB	11	0.33
(1,4640)	1:88:B:ALA:HA	1:14:A:ILE:HG12	13	0.33
(1,4639)	1:88:A:ALA:HA	1:14:B:ILE:HG12	13	0.33
(1,4634)	1:14:B:ILE:H	1:14:B:ILE:HD12	6	0.33
(1,4634)	1:14:B:ILE:H	1:14:B:ILE:HD11	9	0.33
(1,4633)	1:14:A:ILE:H	1:14:A:ILE:HD12	6	0.33
(1,4633)	1:14:A:ILE:H	1:14:A:ILE:HD11	9	0.33
(1,4620)	1:68:B:ASP:HB2	1:65:B:LYS:HA	12	0.33
(1,4619)	1:68:A:ASP:HB2	1:65:A:LYS:HA	12	0.33
(1,4558)	1:63:B:MET:HG2	1:60:B:LEU:HD21	17	0.33
(1,4557)	1:63:A:MET:HG2	1:60:A:LEU:HD21	17	0.33
(1,4536)	1:64:B:MET:HG3	1:75:B:LEU:HD21	19	0.33
(1,4535)	1:64:A:MET:HG3	1:75:A:LEU:HD21	19	0.33
(1,4496)	1:89:B:MET:HA	1:81:A:LEU:HD12	7	0.33
(1,4495)	1:89:A:MET:HA	1:81:B:LEU:HD11	9	0.33
(1,4458)	1:18:B:ILE:HG22	1:19:B:ALA:HB1	4	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4424)	1:40:B:LEU:HG	1:36:B:LYS:HA	15	0.33
(1,4310)	1:65:B:LYS:HG2	1:64:B:MET:HG2	3	0.33
(1,4309)	1:65:A:LYS:HG2	1:64:A:MET:HG2	3	0.33
(1,4308)	1:65:B:LYS:HG2	1:64:B:MET:HG2	3	0.33
(1,4307)	1:65:A:LYS:HG2	1:64:A:MET:HG2	3	0.33
(1,4262)	1:63:B:MET:HG2	1:59:B:VAL:HA	14	0.33
(1,4261)	1:63:A:MET:HG2	1:59:A:VAL:HA	14	0.33
(1,4253)	1:15:A:GLU:HG2	1:88:B:ALA:HB2	8	0.33
(1,4238)	1:8:B:THR:HA	1:11:B:GLU:HB2	13	0.33
(1,4238)	1:7:B:PRO:HG2	1:8:B:THR:HA	20	0.33
(1,4237)	1:8:A:THR:HA	1:11:A:GLU:HB2	13	0.33
(1,4237)	1:7:A:PRO:HG2	1:8:A:THR:HA	20	0.33
(1,4234)	1:68:B:ASP:HB2	1:65:B:LYS:HD2	8	0.33
(1,4177)	1:8:A:THR:HG22	1:46:B:GLU:H	2	0.33
(1,4177)	1:8:A:THR:HG21	1:46:B:GLU:H	8	0.33
(1,4174)	1:67:B:LEU:HD21	1:81:B:LEU:HA	11	0.33
(1,4173)	1:67:A:LEU:HD21	1:81:A:LEU:HA	11	0.33
(1,4154)	1:82:B:ASN:HA	1:81:B:LEU:HB2	11	0.33
(1,4153)	1:82:A:ASN:HA	1:81:A:LEU:HB2	11	0.33
(1,4093)	1:38:A:GLU:HB3	1:27:A:LYS:HE3	16	0.33
(1,4061)	1:66:A:LYS:H	1:65:A:LYS:HG2	17	0.33
(1,4051)	1:58:A:GLY:HA3	1:57:A:PRO:HG2	5	0.33
(1,4044)	1:40:B:LEU:HG	1:61:B:ASP:HB2	12	0.33
(1,4043)	1:40:A:LEU:HG	1:61:A:ASP:HB2	12	0.33
(1,4034)	1:21:B:PHE:H	1:19:B:ALA:HA	3	0.33
(1,4033)	1:21:A:PHE:H	1:19:A:ALA:HA	3	0.33
(1,3980)	1:82:B:ASN:HA	1:67:B:LEU:HB3	4	0.33
(1,3979)	1:82:A:ASN:HA	1:67:A:LEU:HB3	4	0.33
(1,3951)	1:15:A:GLU:HA	1:14:A:ILE:HA	11	0.33
(1,3930)	1:74:B:GLN:HA	1:34:B:LEU:HB3	13	0.33
(1,3914)	1:35:B:SER:HA	1:34:B:LEU:HG	10	0.33
(1,3913)	1:35:A:SER:HA	1:34:A:LEU:HG	10	0.33
(1,3906)	1:12:B:ARG:HG3	1:10:B:THR:HA	11	0.33
(1,3905)	1:12:A:ARG:HG3	1:10:A:THR:HA	11	0.33
(1,3903)	1:57:A:PRO:HA	1:59:A:VAL:HA	3	0.33
(1,3890)	1:17:B:LEU:HB2	1:18:B:ILE:HB	12	0.33
(1,3889)	1:17:A:LEU:HB2	1:18:A:ILE:HB	12	0.33
(1,3888)	1:14:B:ILE:HA	1:13:B:CYS:HA	2	0.33
(1,3888)	1:14:B:ILE:HA	1:13:B:CYS:HA	5	0.33
(1,3887)	1:14:A:ILE:HA	1:13:A:CYS:HA	2	0.33
(1,3887)	1:14:A:ILE:HA	1:13:A:CYS:HA	5	0.33
(1,3857)	1:47:A:LEU:HA	1:50:A:PHE:HA	5	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3849)	1:34:A:LEU:HB2	1:39:A:PHE:HB2	6	0.33
(1,3794)	1:74:B:GLN:HA	1:64:B:MET:HG3	4	0.33
(1,3793)	1:74:A:GLN:HA	1:64:A:MET:HG3	4	0.33
(1,3739)	1:11:A:GLU:HB2	1:8:A:THR:HB	13	0.33
(1,3708)	1:49:B:ALA:HB2	1:11:A:GLU:HG3	2	0.33
(1,3692)	1:13:B:CYS:HB2	1:17:A:LEU:HB3	8	0.33
(1,3692)	1:13:B:CYS:HB2	1:17:A:LEU:HB3	19	0.33
(1,3638)	1:34:B:LEU:HB3	1:24:B:TYR:HB3	4	0.33
(1,3637)	1:34:A:LEU:HB3	1:24:A:TYR:HB3	4	0.33
(1,3619)	1:65:A:LYS:HG2	1:61:A:ASP:HB3	17	0.33
(1,3602)	1:64:B:MET:HB3	1:61:B:ASP:HB2	7	0.33
(1,3578)	1:51:B:THR:HB	1:44:B:ASN:HB3	14	0.33
(1,3530)	1:34:B:LEU:HB2	1:39:B:PHE:HA	5	0.33
(1,3530)	1:34:B:LEU:HB2	1:39:B:PHE:HA	14	0.33
(1,3529)	1:34:A:LEU:HB2	1:39:A:PHE:HA	5	0.33
(1,3529)	1:34:A:LEU:HB2	1:39:A:PHE:HA	14	0.33
(1,3528)	1:34:B:LEU:HB3	1:24:B:TYR:HB3	12	0.33
(1,3527)	1:34:A:LEU:HB3	1:24:A:TYR:HB3	12	0.33
(1,3524)	1:73:B:GLY:HA3	1:64:B:MET:HG3	10	0.33
(1,3523)	1:73:A:GLY:HA3	1:64:A:MET:HG3	10	0.33
(1,3523)	1:73:A:GLY:HA3	1:64:A:MET:HG3	12	0.33
(1,3523)	1:73:A:GLY:HA3	1:64:A:MET:HG3	13	0.33
(1,3420)	1:11:B:GLU:HA	1:47:A:LEU:HA	2	0.33
(1,3419)	1:11:A:GLU:HA	1:47:B:LEU:HA	2	0.33
(1,3412)	1:22:B:GLN:HG3	1:102:A:GLN:HG2	7	0.33
(1,3407)	1:11:A:GLU:HB2	1:46:B:GLU:HA	3	0.33
(1,3391)	1:17:A:LEU:HD13	1:13:B:CYS:HA	16	0.33
(1,3387)	1:17:A:LEU:HD23	1:88:B:ALA:HB1	18	0.33
(1,2816)	1:11:B:GLU:H	1:8:B:THR:HG23	18	0.33
(1,2815)	1:11:A:GLU:H	1:8:A:THR:HG23	18	0.33
(1,2724)	1:78:B:SER:H	1:81:B:LEU:HD13	9	0.33
(1,2723)	1:78:A:SER:H	1:81:A:LEU:HD13	9	0.33
(1,2716)	1:22:B:GLN:H	1:18:B:ILE:HG22	20	0.33
(1,2456)	1:51:B:THR:H	1:87:B:LEU:HD22	9	0.33
(1,2455)	1:51:A:THR:H	1:87:A:LEU:HD22	9	0.33
(1,2334)	1:60:B:LEU:HD21	1:60:B:LEU:HG	4	0.33
(1,2334)	1:60:B:LEU:HD22	1:60:B:LEU:HG	6	0.33
(1,2334)	1:60:B:LEU:HD22	1:60:B:LEU:HG	9	0.33
(1,2334)	1:60:B:LEU:HD21	1:60:B:LEU:HG	17	0.33
(1,2334)	1:60:B:LEU:HD22	1:60:B:LEU:HG	18	0.33
(1,2334)	1:60:B:LEU:HD23	1:60:B:LEU:HG	19	0.33
(1,2333)	1:60:A:LEU:HD22	1:60:A:LEU:HG	2	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2333)	1:60:A:LEU:HD21	1:60:A:LEU:HG	4	0.33
(1,2333)	1:60:A:LEU:HD22	1:60:A:LEU:HG	6	0.33
(1,2333)	1:60:A:LEU:HD22	1:60:A:LEU:HG	9	0.33
(1,2333)	1:60:A:LEU:HD22	1:60:A:LEU:HG	15	0.33
(1,2333)	1:60:A:LEU:HD21	1:60:A:LEU:HG	17	0.33
(1,2333)	1:60:A:LEU:HD22	1:60:A:LEU:HG	18	0.33
(1,2333)	1:60:A:LEU:HD23	1:60:A:LEU:HG	19	0.33
(1,2210)	1:97:B:LYS:HA	1:97:B:LYS:HG2	20	0.33
(1,2209)	1:97:A:LYS:HA	1:97:A:LYS:HG2	20	0.33
(1,1862)	1:66:B:LYS:HG3	1:67:B:LEU:HD21	3	0.33
(1,1808)	1:10:B:THR:HA	1:10:B:THR:HG22	3	0.33
(1,1808)	1:10:B:THR:HA	1:10:B:THR:HG22	7	0.33
(1,1807)	1:10:A:THR:HA	1:10:A:THR:HG22	3	0.33
(1,1807)	1:10:A:THR:HA	1:10:A:THR:HG22	7	0.33
(1,1807)	1:10:A:THR:HA	1:10:A:THR:HG21	8	0.33
(1,1608)	1:47:B:LEU:HB2	1:50:B:PHE:HB3	7	0.33
(1,1607)	1:47:A:LEU:HB2	1:50:A:PHE:HB3	7	0.33
(1,1530)	1:9:B:GLU:H	1:8:B:THR:HG21	9	0.33
(1,1528)	1:65:B:LYS:H	1:64:B:MET:HG2	9	0.33
(1,1527)	1:65:A:LYS:H	1:64:A:MET:HG2	9	0.33
(1,1398)	1:68:B:ASP:HB3	1:75:B:LEU:HD21	19	0.33
(1,1238)	1:62:B:ARG:HB3	1:59:B:VAL:HA	7	0.33
(1,1237)	1:62:A:ARG:HB3	1:59:A:VAL:HA	1	0.33
(1,1222)	1:89:B:MET:HG2	1:88:B:ALA:HB3	1	0.33
(1,1222)	1:89:B:MET:HG2	1:88:B:ALA:HB2	3	0.33
(1,1221)	1:89:A:MET:HG2	1:88:A:ALA:HB1	7	0.33
(1,1166)	1:81:B:LEU:HD22	1:80:B:PHE:HB3	11	0.33
(1,1166)	1:81:B:LEU:HD21	1:80:B:PHE:HB3	13	0.33
(1,1165)	1:81:A:LEU:HD22	1:80:A:PHE:HB3	11	0.33
(1,1165)	1:81:A:LEU:HD21	1:80:A:PHE:HB3	13	0.33
(1,1088)	1:84:B:ILE:H	1:81:B:LEU:HD21	4	0.33
(1,1087)	1:84:A:ILE:H	1:81:A:LEU:HD21	4	0.33
(1,1087)	1:84:A:ILE:H	1:81:A:LEU:HD22	12	0.33
(1,1006)	1:9:B:GLU:HG3	1:8:B:THR:HB	19	0.33
(1,1005)	1:9:A:GLU:HG3	1:8:A:THR:HB	5	0.33
(1,1005)	1:9:A:GLU:HG3	1:8:A:THR:HB	19	0.33
(1,942)	1:18:B:ILE:HG22	1:15:B:GLU:HB3	15	0.33
(1,902)	1:40:B:LEU:HB3	1:37:B:THR:HG21	1	0.33
(1,902)	1:40:B:LEU:HB3	1:37:B:THR:HG22	8	0.33
(1,713)	1:16:A:SER:HB3	1:17:A:LEU:HD21	8	0.33
(1,662)	1:73:B:GLY:HA2	1:74:B:GLN:HG3	11	0.33
(1,650)	1:15:B:GLU:HG2	1:16:B:SER:H	11	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,650)	1:15:B:GLU:HG2	1:16:B:SER:H	14	0.33
(1,649)	1:15:A:GLU:HG2	1:16:A:SER:H	2	0.33
(1,649)	1:15:A:GLU:HG2	1:16:A:SER:H	3	0.33
(1,649)	1:15:A:GLU:HG2	1:16:A:SER:H	11	0.33
(1,609)	1:63:A:MET:H	1:62:A:ARG:HG2	6	0.33
(1,566)	1:25:B:ALA:HB2	1:33:B:THR:HG23	12	0.33
(1,565)	1:25:A:ALA:HB2	1:33:A:THR:HG23	12	0.33
(1,484)	1:14:B:ILE:HB	1:10:B:THR:HG21	14	0.33
(1,483)	1:14:A:ILE:HB	1:10:A:THR:HG21	14	0.33
(1,476)	1:67:B:LEU:HB3	1:75:B:LEU:HB2	10	0.33
(1,475)	1:67:A:LEU:HB3	1:75:A:LEU:HB2	10	0.33
(1,443)	1:15:A:GLU:HG3	1:91:B:CYS:HB2	16	0.33
(1,421)	1:18:A:ILE:HG23	1:95:B:PHE:H	17	0.33
(1,396)	1:25:B:ALA:HB2	1:75:B:LEU:H	3	0.33
(1,364)	1:47:B:LEU:HD21	1:10:A:THR:H	17	0.33
(1,346)	1:23:B:LYS:HA	1:25:B:ALA:HB2	7	0.33
(1,346)	1:23:B:LYS:HA	1:25:B:ALA:HB2	17	0.33
(1,345)	1:23:A:LYS:HA	1:25:A:ALA:HB2	7	0.33
(1,345)	1:23:A:LYS:HA	1:25:A:ALA:HB2	17	0.33
(1,321)	1:22:A:GLN:HG2	1:25:A:ALA:HB2	7	0.33
(1,304)	1:22:B:GLN:HB2	1:18:B:ILE:H	17	0.33
(1,251)	1:76:A:ASP:HB2	1:77:A:PHE:HB2	5	0.33
(1,219)	1:75:A:LEU:HD13	1:68:A:ASP:HA	1	0.33
(1,190)	1:46:B:GLU:HG3	1:24:B:TYR:H	15	0.33
(1,189)	1:46:A:GLU:HG3	1:24:A:TYR:H	15	0.33
(1,187)	1:42:A:PHE:HA	1:34:A:LEU:HD22	18	0.33
(1,145)	1:78:A:SER:HB2	1:81:A:LEU:HB3	5	0.33
(1,136)	1:89:B:MET:HG2	1:85:B:GLY:HA3	4	0.33
(1,135)	1:89:A:MET:HG2	1:85:A:GLY:HA3	4	0.33
(1,41)	1:81:A:LEU:HD21	1:88:B:ALA:HB1	12	0.33
(1,5704)	1:81:B:LEU:H	1:81:B:LEU:HD22	8	0.32
(1,5624)	1:84:B:ILE:H	1:87:B:LEU:HD11	2	0.32
(1,5623)	1:84:A:ILE:H	1:87:A:LEU:HD11	2	0.32
(1,5569)	1:44:A:ASN:H	1:60:A:LEU:HD13	11	0.32
(1,5557)	1:88:A:ALA:H	1:81:B:LEU:HD11	6	0.32
(1,5556)	1:68:B:ASP:H	1:67:B:LEU:HB3	20	0.32
(1,5555)	1:68:A:ASP:H	1:67:A:LEU:HB3	20	0.32
(1,5534)	1:82:B:ASN:H	1:80:B:PHE:HA	11	0.32
(1,5533)	1:82:A:ASN:H	1:80:A:PHE:HA	11	0.32
(1,5533)	1:82:A:ASN:H	1:80:A:PHE:HA	19	0.32
(1,5490)	1:21:B:PHE:H	1:23:B:LYS:H	18	0.32
(1,5464)	1:45:B:THR:H	1:46:B:GLU:HB2	10	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5356)	1:19:B:ALA:H	1:17:B:LEU:HB2	8	0.32
(1,5355)	1:19:A:ALA:H	1:17:A:LEU:HB2	16	0.32
(1,5352)	1:41:B:SER:H	1:42:B:PHE:HB2	10	0.32
(1,5351)	1:41:A:SER:H	1:42:A:PHE:HB2	10	0.32
(1,5349)	1:26:A:GLY:H	1:22:A:GLN:HB3	4	0.32
(1,5349)	1:26:A:GLY:H	1:22:A:GLN:HB3	5	0.32
(1,5336)	1:45:B:THR:H	1:46:B:GLU:HA	5	0.32
(1,5224)	1:21:B:PHE:H	1:25:B:ALA:HB2	18	0.32
(1,5223)	1:21:A:PHE:H	1:25:A:ALA:HB2	18	0.32
(1,5176)	1:98:B:ALA:HB1	1:98:B:ALA:HB3	1	0.32
(1,5176)	1:98:B:ALA:HB2	1:98:B:ALA:HB1	2	0.32
(1,5176)	1:98:B:ALA:HB1	1:98:B:ALA:HB3	3	0.32
(1,5176)	1:98:B:ALA:HB2	1:98:B:ALA:HB1	4	0.32
(1,5176)	1:98:B:ALA:HB2	1:98:B:ALA:HB3	5	0.32
(1,5176)	1:98:B:ALA:HB2	1:98:B:ALA:HB1	6	0.32
(1,5176)	1:98:B:ALA:HB2	1:98:B:ALA:HB1	7	0.32
(1,5176)	1:98:B:ALA:HB1	1:98:B:ALA:HB3	8	0.32
(1,5176)	1:98:B:ALA:HB2	1:98:B:ALA:HB3	9	0.32
(1,5176)	1:98:B:ALA:HB2	1:98:B:ALA:HB1	10	0.32
(1,5176)	1:98:B:ALA:HB1	1:98:B:ALA:HB3	11	0.32
(1,5176)	1:98:B:ALA:HB2	1:98:B:ALA:HB1	12	0.32
(1,5176)	1:98:B:ALA:HB2	1:98:B:ALA:HB3	13	0.32
(1,5176)	1:98:B:ALA:HB1	1:98:B:ALA:HB3	14	0.32
(1,5176)	1:48:B:ALA:HB2	1:48:B:ALA:HB1	15	0.32
(1,5176)	1:98:B:ALA:HB1	1:98:B:ALA:HB3	16	0.32
(1,5176)	1:98:B:ALA:HB2	1:98:B:ALA:HB3	17	0.32
(1,5176)	1:98:B:ALA:HB1	1:98:B:ALA:HB3	18	0.32
(1,5176)	1:98:B:ALA:HB2	1:98:B:ALA:HB3	19	0.32
(1,5176)	1:48:B:ALA:HB1	1:48:B:ALA:HB3	20	0.32
(1,5175)	1:98:A:ALA:HB2	1:98:A:ALA:HB3	1	0.32
(1,5175)	1:98:A:ALA:HB2	1:98:A:ALA:HB1	2	0.32
(1,5175)	1:98:A:ALA:HB1	1:98:A:ALA:HB3	3	0.32
(1,5175)	1:48:A:ALA:HB2	1:48:A:ALA:HB1	4	0.32
(1,5175)	1:98:A:ALA:HB2	1:98:A:ALA:HB3	5	0.32
(1,5175)	1:98:A:ALA:HB2	1:98:A:ALA:HB1	6	0.32
(1,5175)	1:98:A:ALA:HB2	1:98:A:ALA:HB1	7	0.32
(1,5175)	1:98:A:ALA:HB1	1:98:A:ALA:HB3	8	0.32
(1,5175)	1:48:A:ALA:HB2	1:48:A:ALA:HB3	10	0.32
(1,5175)	1:98:A:ALA:HB1	1:98:A:ALA:HB3	11	0.32
(1,5175)	1:98:A:ALA:HB2	1:98:A:ALA:HB1	12	0.32
(1,5175)	1:98:A:ALA:HB2	1:98:A:ALA:HB3	13	0.32
(1,5175)	1:48:A:ALA:HB2	1:48:A:ALA:HB1	14	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5175)	1:48:A:ALA:HB2	1:48:A:ALA:HB1	15	0.32
(1,5175)	1:98:A:ALA:HB1	1:98:A:ALA:HB3	16	0.32
(1,5175)	1:98:A:ALA:HB2	1:98:A:ALA:HB3	17	0.32
(1,5175)	1:98:A:ALA:HB1	1:98:A:ALA:HB3	18	0.32
(1,5175)	1:98:A:ALA:HB2	1:98:A:ALA:HB3	19	0.32
(1,5175)	1:98:A:ALA:HB2	1:98:A:ALA:HB1	20	0.32
(1,5132)	1:52:B:LYS:HD3	1:52:B:LYS:HG2	6	0.32
(1,5131)	1:52:A:LYS:HD3	1:52:A:LYS:HG2	6	0.32
(1,5122)	1:66:B:LYS:HB2	1:66:B:LYS:HG3	2	0.32
(1,5122)	1:66:B:LYS:HB2	1:66:B:LYS:HG3	7	0.32
(1,5121)	1:66:A:LYS:HB2	1:66:A:LYS:HG3	2	0.32
(1,5121)	1:66:A:LYS:HB2	1:66:A:LYS:HG3	7	0.32
(1,5100)	1:17:B:LEU:HD23	1:17:B:LEU:HB3	15	0.32
(1,5099)	1:17:A:LEU:HD23	1:17:A:LEU:HB3	15	0.32
(1,5030)	1:65:B:LYS:HG2	1:65:B:LYS:HA	11	0.32
(1,5029)	1:65:A:LYS:HG2	1:65:A:LYS:HA	11	0.32
(1,4898)	1:88:B:ALA:HB1	1:17:A:LEU:HD11	15	0.32
(1,4897)	1:88:A:ALA:HB1	1:17:B:LEU:HD11	15	0.32
(1,4884)	1:68:B:ASP:HA	1:33:B:THR:HG23	8	0.32
(1,4884)	1:68:B:ASP:HA	1:33:B:THR:HG22	11	0.32
(1,4862)	1:68:B:ASP:HA	1:33:B:THR:HG23	8	0.32
(1,4862)	1:68:B:ASP:HA	1:33:B:THR:HG22	11	0.32
(1,4856)	1:25:B:ALA:HA	1:34:B:LEU:HD22	3	0.32
(1,4856)	1:25:B:ALA:HA	1:34:B:LEU:HD21	7	0.32
(1,4855)	1:25:A:ALA:HA	1:34:A:LEU:HD21	7	0.32
(1,4830)	1:18:B:ILE:HG23	1:14:B:ILE:HG21	17	0.32
(1,4829)	1:18:A:ILE:HG23	1:14:A:ILE:HG21	17	0.32
(1,4806)	1:18:B:ILE:HG23	1:14:B:ILE:HG21	17	0.32
(1,4805)	1:18:A:ILE:HG23	1:14:A:ILE:HG21	17	0.32
(1,4790)	1:66:B:LYS:HB2	1:67:B:LEU:HD21	9	0.32
(1,4789)	1:66:A:LYS:HB2	1:67:A:LEU:HD21	9	0.32
(1,4779)	1:14:A:ILE:HD11	1:88:B:ALA:HA	17	0.32
(1,4710)	1:15:B:GLU:HB3	1:18:B:ILE:HB	4	0.32
(1,4709)	1:15:A:GLU:HB3	1:18:A:ILE:HB	4	0.32
(1,4705)	1:64:A:MET:HG2	1:65:A:LYS:HE3	16	0.32
(1,4703)	1:67:A:LEU:H	1:67:A:LEU:HD21	8	0.32
(1,4644)	1:10:B:THR:HG23	1:20:A:VAL:HB	4	0.32
(1,4644)	1:10:B:THR:HG22	1:20:A:VAL:HB	15	0.32
(1,4643)	1:10:A:THR:HG22	1:20:B:VAL:HB	11	0.32
(1,4640)	1:88:B:ALA:HA	1:14:A:ILE:HG12	2	0.32
(1,4639)	1:88:A:ALA:HA	1:14:B:ILE:HG12	2	0.32
(1,4634)	1:14:B:ILE:H	1:14:B:ILE:HD11	15	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4633)	1:14:A:ILE:H	1:14:A:ILE:HD11	15	0.32
(1,4620)	1:68:B:ASP:HB2	1:73:B:GLY:HA2	8	0.32
(1,4620)	1:68:B:ASP:HB2	1:65:B:LYS:HA	11	0.32
(1,4619)	1:68:A:ASP:HB2	1:73:A:GLY:HA2	8	0.32
(1,4606)	1:75:B:LEU:HD11	1:83:B:LEU:HB2	15	0.32
(1,4605)	1:75:A:LEU:HD11	1:83:A:LEU:HB2	15	0.32
(1,4600)	1:43:B:MET:H	1:60:B:LEU:HD13	8	0.32
(1,4599)	1:43:A:MET:H	1:60:A:LEU:HD13	8	0.32
(1,4586)	1:63:B:MET:HG2	1:60:B:LEU:HD22	6	0.32
(1,4585)	1:63:A:MET:HG2	1:60:A:LEU:HD22	6	0.32
(1,4578)	1:65:B:LYS:HD2	1:68:B:ASP:HA	7	0.32
(1,4577)	1:65:A:LYS:HD2	1:68:A:ASP:HA	7	0.32
(1,4566)	1:65:B:LYS:HD2	1:68:B:ASP:HA	7	0.32
(1,4565)	1:65:A:LYS:HD2	1:68:A:ASP:HA	7	0.32
(1,4423)	1:40:A:LEU:HG	1:36:A:LYS:HA	15	0.32
(1,4368)	1:44:B:ASN:HA	1:60:B:LEU:HD11	16	0.32
(1,4367)	1:44:A:ASN:HA	1:60:A:LEU:HD11	16	0.32
(1,4320)	1:65:B:LYS:HD2	1:68:B:ASP:HA	7	0.32
(1,4319)	1:65:A:LYS:HD2	1:68:A:ASP:HA	7	0.32
(1,4302)	1:34:B:LEU:HD11	1:80:B:PHE:HB3	12	0.32
(1,4301)	1:34:A:LEU:HD11	1:80:A:PHE:HB3	12	0.32
(1,4270)	1:25:B:ALA:HB2	1:24:B:TYR:HB2	18	0.32
(1,4269)	1:25:A:ALA:HB2	1:24:A:TYR:HB2	18	0.32
(1,4200)	1:42:B:PHE:HA	1:39:B:PHE:HA	5	0.32
(1,4199)	1:42:A:PHE:HA	1:39:A:PHE:HA	5	0.32
(1,4184)	1:13:B:CYS:HA	1:17:B:LEU:HG	11	0.32
(1,4183)	1:13:A:CYS:HA	1:17:A:LEU:HG	11	0.32
(1,4178)	1:8:B:THR:HG22	1:46:A:GLU:H	1	0.32
(1,4178)	1:8:B:THR:HG22	1:46:A:GLU:H	2	0.32
(1,4178)	1:8:B:THR:HG21	1:46:A:GLU:H	8	0.32
(1,4178)	1:8:B:THR:HG23	1:46:A:GLU:H	10	0.32
(1,4177)	1:8:A:THR:HG23	1:46:B:GLU:H	10	0.32
(1,4162)	1:22:B:GLN:HA	1:26:B:GLY:HA3	7	0.32
(1,4162)	1:22:B:GLN:HA	1:26:B:GLY:HA3	18	0.32
(1,4161)	1:22:A:GLN:HA	1:26:A:GLY:HA3	7	0.32
(1,4161)	1:22:A:GLN:HA	1:26:A:GLY:HA3	18	0.32
(1,4160)	1:42:B:PHE:HB3	1:43:B:MET:HB2	6	0.32
(1,4159)	1:42:A:PHE:HB3	1:43:A:MET:HB2	6	0.32
(1,4154)	1:82:B:ASN:HA	1:81:B:LEU:HB2	9	0.32
(1,4153)	1:82:A:ASN:HA	1:81:A:LEU:HB2	9	0.32
(1,4149)	1:13:A:CYS:HB2	1:17:B:LEU:HG	19	0.32
(1,4120)	1:46:B:GLU:HB3	1:23:B:LYS:HG3	13	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4094)	1:38:B:GLU:HB3	1:27:B:LYS:HE3	16	0.32
(1,4072)	1:27:B:LYS:HD3	1:38:B:GLU:H	19	0.32
(1,4071)	1:27:A:LYS:HD3	1:38:A:GLU:H	19	0.32
(1,4058)	1:21:B:PHE:HB2	1:18:B:ILE:HG22	10	0.32
(1,4057)	1:21:A:PHE:HB2	1:18:A:ILE:HG22	10	0.32
(1,4034)	1:21:B:PHE:H	1:19:B:ALA:HA	12	0.32
(1,4033)	1:21:A:PHE:H	1:19:A:ALA:HA	12	0.32
(1,3972)	1:34:B:LEU:HD13	1:80:B:PHE:HB3	5	0.32
(1,3971)	1:34:A:LEU:HD13	1:80:A:PHE:HB3	5	0.32
(1,3952)	1:15:B:GLU:HA	1:14:B:ILE:HA	2	0.32
(1,3952)	1:15:B:GLU:HA	1:14:B:ILE:HA	3	0.32
(1,3952)	1:15:B:GLU:HA	1:14:B:ILE:HA	5	0.32
(1,3952)	1:15:B:GLU:HA	1:14:B:ILE:HA	11	0.32
(1,3952)	1:15:B:GLU:HA	1:14:B:ILE:HA	20	0.32
(1,3951)	1:15:A:GLU:HA	1:14:A:ILE:HA	3	0.32
(1,3951)	1:15:A:GLU:HA	1:14:A:ILE:HA	5	0.32
(1,3951)	1:15:A:GLU:HA	1:14:A:ILE:HA	20	0.32
(1,3929)	1:74:A:GLN:HA	1:34:A:LEU:HB3	13	0.32
(1,3918)	1:20:B:VAL:HB	1:46:B:GLU:H	17	0.32
(1,3917)	1:20:A:VAL:HB	1:46:A:GLU:H	17	0.32
(1,3902)	1:76:B:ASP:HA	1:34:B:LEU:HB2	1	0.32
(1,3901)	1:76:A:ASP:HA	1:34:A:LEU:HB2	1	0.32
(1,3888)	1:14:B:ILE:HA	1:13:B:CYS:HA	8	0.32
(1,3888)	1:14:B:ILE:HA	1:13:B:CYS:HA	11	0.32
(1,3888)	1:14:B:ILE:HA	1:13:B:CYS:HA	19	0.32
(1,3887)	1:14:A:ILE:HA	1:13:A:CYS:HA	8	0.32
(1,3887)	1:14:A:ILE:HA	1:13:A:CYS:HA	19	0.32
(1,3858)	1:47:B:LEU:HA	1:50:B:PHE:HA	5	0.32
(1,3850)	1:34:B:LEU:HB2	1:39:B:PHE:HB2	6	0.32
(1,3842)	1:89:B:MET:HG3	1:86:B:GLY:H	12	0.32
(1,3834)	1:17:B:LEU:HD11	1:14:B:ILE:H	13	0.32
(1,3834)	1:17:B:LEU:HD11	1:14:B:ILE:H	15	0.32
(1,3833)	1:17:A:LEU:HD11	1:14:A:ILE:H	13	0.32
(1,3833)	1:17:A:LEU:HD11	1:14:A:ILE:H	15	0.32
(1,3808)	1:37:B:THR:HB	1:39:B:PHE:H	4	0.32
(1,3807)	1:37:A:THR:HB	1:39:A:PHE:H	4	0.32
(1,3752)	1:11:B:GLU:HB2	1:8:B:THR:HB	11	0.32
(1,3751)	1:11:A:GLU:HB2	1:8:A:THR:HB	11	0.32
(1,3748)	1:84:B:ILE:HB	1:85:B:GLY:HA2	20	0.32
(1,3747)	1:84:A:ILE:HB	1:85:A:GLY:HA2	20	0.32
(1,3704)	1:39:B:PHE:HB2	1:36:B:LYS:HG3	9	0.32
(1,3703)	1:39:A:PHE:HB2	1:36:A:LYS:HG3	9	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3654)	1:8:B:THR:HB	1:10:B:THR:HA	11	0.32
(1,3653)	1:8:A:THR:HB	1:10:A:THR:HA	11	0.32
(1,3651)	1:47:A:LEU:HD21	1:10:B:THR:H	8	0.32
(1,3651)	1:47:A:LEU:HD22	1:10:B:THR:H	9	0.32
(1,3638)	1:34:B:LEU:HB3	1:24:B:TYR:HB3	11	0.32
(1,3637)	1:34:A:LEU:HB3	1:24:A:TYR:HB3	11	0.32
(1,3596)	1:13:B:CYS:HB2	1:20:A:VAL:HG11	8	0.32
(1,3595)	1:13:A:CYS:HB2	1:20:B:VAL:HG11	8	0.32
(1,3577)	1:51:A:THR:HB	1:44:A:ASN:HB3	14	0.32
(1,3540)	1:73:B:GLY:HA3	1:68:B:ASP:HB2	6	0.32
(1,3539)	1:73:A:GLY:HA3	1:68:A:ASP:HB2	6	0.32
(1,3467)	1:75:A:LEU:HB3	1:33:A:THR:HA	2	0.32
(1,3407)	1:11:A:GLU:HB2	1:46:B:GLU:HA	7	0.32
(1,3404)	1:9:B:GLU:HB3	1:16:A:SER:HB3	9	0.32
(1,3404)	1:9:B:GLU:HB3	1:16:A:SER:HB3	14	0.32
(1,3403)	1:9:A:GLU:HB3	1:16:B:SER:HB3	14	0.32
(1,3388)	1:17:B:LEU:HD23	1:88:A:ALA:HB1	18	0.32
(1,3353)	1:84:A:ILE:HG23	1:17:B:LEU:HD12	9	0.32
(1,3170)	1:23:B:LYS:H	1:23:B:LYS:HD3	16	0.32
(1,3169)	1:23:A:LYS:H	1:23:A:LYS:HD3	16	0.32
(1,2776)	1:50:B:PHE:H	1:47:B:LEU:HB2	15	0.32
(1,2775)	1:50:A:PHE:H	1:47:A:LEU:HB2	15	0.32
(1,2754)	1:38:B:GLU:H	1:34:B:LEU:HD23	17	0.32
(1,2753)	1:38:A:GLU:H	1:34:A:LEU:HD23	17	0.32
(1,2724)	1:78:B:SER:H	1:81:B:LEU:HD11	7	0.32
(1,2723)	1:78:A:SER:H	1:81:A:LEU:HD11	7	0.32
(1,2715)	1:22:A:GLN:H	1:18:A:ILE:HG22	20	0.32
(1,2334)	1:60:B:LEU:HD22	1:60:B:LEU:HG	1	0.32
(1,2334)	1:60:B:LEU:HD22	1:60:B:LEU:HG	2	0.32
(1,2334)	1:60:B:LEU:HD22	1:60:B:LEU:HG	3	0.32
(1,2334)	1:60:B:LEU:HD21	1:60:B:LEU:HG	10	0.32
(1,2334)	1:60:B:LEU:HD21	1:60:B:LEU:HG	12	0.32
(1,2334)	1:60:B:LEU:HD22	1:60:B:LEU:HG	13	0.32
(1,2334)	1:60:B:LEU:HD23	1:60:B:LEU:HG	16	0.32
(1,2334)	1:60:B:LEU:HD22	1:60:B:LEU:HG	20	0.32
(1,2333)	1:60:A:LEU:HD22	1:60:A:LEU:HG	1	0.32
(1,2333)	1:60:A:LEU:HD22	1:60:A:LEU:HG	3	0.32
(1,2333)	1:60:A:LEU:HD21	1:60:A:LEU:HG	10	0.32
(1,2333)	1:60:A:LEU:HD21	1:60:A:LEU:HG	12	0.32
(1,2333)	1:60:A:LEU:HD22	1:60:A:LEU:HG	13	0.32
(1,2333)	1:60:A:LEU:HD23	1:60:A:LEU:HG	16	0.32
(1,2280)	1:12:B:ARG:HB2	1:12:B:ARG:HD3	5	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2279)	1:12:A:ARG:HB2	1:12:A:ARG:HD3	5	0.32
(1,1943)	1:42:A:PHE:HA	1:27:A:LYS:HE3	9	0.32
(1,1824)	1:63:B:MET:HB2	1:67:B:LEU:HD11	7	0.32
(1,1823)	1:63:A:MET:HB2	1:67:A:LEU:HD11	7	0.32
(1,1808)	1:10:B:THR:HA	1:10:B:THR:HG21	8	0.32
(1,1808)	1:10:B:THR:HA	1:10:B:THR:HG22	9	0.32
(1,1808)	1:10:B:THR:HA	1:10:B:THR:HG21	10	0.32
(1,1808)	1:10:B:THR:HA	1:10:B:THR:HG23	20	0.32
(1,1807)	1:10:A:THR:HA	1:10:A:THR:HG22	9	0.32
(1,1807)	1:10:A:THR:HA	1:10:A:THR:HG21	10	0.32
(1,1807)	1:10:A:THR:HA	1:10:A:THR:HG23	20	0.32
(1,1739)	1:23:A:LYS:HE2	1:8:B:THR:HB	3	0.32
(1,1708)	1:82:B:ASN:HB2	1:67:B:LEU:HD21	11	0.32
(1,1707)	1:82:A:ASN:HB2	1:67:A:LEU:HD21	11	0.32
(1,1580)	1:57:B:PRO:HD2	1:57:B:PRO:HB2	16	0.32
(1,1579)	1:57:A:PRO:HD2	1:57:A:PRO:HB2	16	0.32
(1,1453)	1:48:A:ALA:HA	1:51:A:THR:HG23	8	0.32
(1,1426)	1:47:B:LEU:HD13	1:50:B:PHE:HB3	3	0.32
(1,1425)	1:47:A:LEU:HD13	1:50:A:PHE:HB3	3	0.32
(1,1398)	1:68:B:ASP:HB3	1:75:B:LEU:HD21	18	0.32
(1,1397)	1:68:A:ASP:HB3	1:75:A:LEU:HD21	18	0.32
(1,1238)	1:62:B:ARG:HB3	1:59:B:VAL:HA	1	0.32
(1,1237)	1:62:A:ARG:HB3	1:59:A:VAL:HA	7	0.32
(1,1222)	1:89:B:MET:HG2	1:88:B:ALA:HB2	18	0.32
(1,1221)	1:89:A:MET:HG2	1:88:A:ALA:HB3	1	0.32
(1,1221)	1:89:A:MET:HG2	1:88:A:ALA:HB2	18	0.32
(1,1006)	1:9:B:GLU:HG3	1:8:B:THR:HB	5	0.32
(1,1006)	1:9:B:GLU:HG3	1:8:B:THR:HB	14	0.32
(1,1006)	1:9:B:GLU:HG3	1:8:B:THR:HB	20	0.32
(1,1005)	1:9:A:GLU:HG3	1:8:A:THR:HB	14	0.32
(1,901)	1:40:A:LEU:HB3	1:37:A:THR:HG21	1	0.32
(1,901)	1:40:A:LEU:HB3	1:37:A:THR:HG22	8	0.32
(1,836)	1:59:B:VAL:HG23	1:62:B:ARG:H	20	0.32
(1,835)	1:59:A:VAL:HG23	1:62:A:ARG:H	20	0.32
(1,794)	1:93:B:ASP:HB3	1:96:B:LEU:HD21	10	0.32
(1,794)	1:93:B:ASP:HB3	1:96:B:LEU:HD23	19	0.32
(1,793)	1:93:A:ASP:HB3	1:96:A:LEU:HD23	19	0.32
(1,714)	1:16:B:SER:HB3	1:17:B:LEU:HD21	2	0.32
(1,674)	1:13:B:CYS:HB2	1:14:B:ILE:HG13	12	0.32
(1,673)	1:13:A:CYS:HB2	1:14:A:ILE:HG13	12	0.32
(1,661)	1:73:A:GLY:HA2	1:74:A:GLN:HG3	11	0.32
(1,650)	1:15:B:GLU:HG2	1:16:B:SER:H	2	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,650)	1:15:B:GLU:HG2	1:16:B:SER:H	10	0.32
(1,649)	1:15:A:GLU:HG2	1:16:A:SER:H	10	0.32
(1,649)	1:15:A:GLU:HG2	1:16:A:SER:H	14	0.32
(1,648)	1:14:B:ILE:HB	1:88:A:ALA:HB1	1	0.32
(1,647)	1:14:A:ILE:HB	1:88:B:ALA:HB1	1	0.32
(1,610)	1:63:B:MET:H	1:62:B:ARG:HG2	5	0.32
(1,609)	1:63:A:MET:H	1:62:A:ARG:HG2	5	0.32
(1,520)	1:74:B:GLN:HG3	1:75:B:LEU:HA	8	0.32
(1,519)	1:74:A:GLN:HG3	1:75:A:LEU:HA	8	0.32
(1,444)	1:15:B:GLU:HG3	1:91:A:CYS:HB3	10	0.32
(1,326)	1:96:B:LEU:HG	1:95:B:PHE:HB2	4	0.32
(1,325)	1:96:A:LEU:HG	1:95:A:PHE:HB2	4	0.32
(1,322)	1:22:B:GLN:HG2	1:25:B:ALA:HB2	7	0.32
(1,322)	1:22:B:GLN:HG2	1:25:B:ALA:HB3	12	0.32
(1,321)	1:22:A:GLN:HG2	1:25:A:ALA:HB3	12	0.32
(1,304)	1:22:B:GLN:HB2	1:18:B:ILE:H	14	0.32
(1,303)	1:22:A:GLN:HB2	1:18:A:ILE:H	14	0.32
(1,218)	1:18:B:ILE:HA	1:95:A:PHE:HB3	19	0.32
(1,42)	1:81:B:LEU:HD21	1:88:A:ALA:HB1	3	0.32
(1,41)	1:81:A:LEU:HD21	1:88:B:ALA:HB1	3	0.32
(1,5744)	1:28:B:ASP:H	1:27:B:LYS:HA	15	0.31
(1,5743)	1:28:A:ASP:H	1:27:A:LYS:HA	15	0.31
(1,5703)	1:81:A:LEU:H	1:81:A:LEU:HD22	8	0.31
(1,5570)	1:44:B:ASN:H	1:60:B:LEU:HD13	11	0.31
(1,5534)	1:82:B:ASN:H	1:80:B:PHE:HA	19	0.31
(1,5489)	1:21:A:PHE:H	1:23:A:LYS:H	18	0.31
(1,5463)	1:45:A:THR:H	1:46:A:GLU:HB2	10	0.31
(1,5412)	1:17:B:LEU:H	1:18:B:ILE:HB	15	0.31
(1,5411)	1:17:A:LEU:H	1:18:A:ILE:HB	15	0.31
(1,5386)	1:40:B:LEU:H	1:75:B:LEU:HD13	10	0.31
(1,5385)	1:40:A:LEU:H	1:75:A:LEU:HD13	10	0.31
(1,5356)	1:19:B:ALA:H	1:17:B:LEU:HB2	16	0.31
(1,5350)	1:26:B:GLY:H	1:22:B:GLN:HB3	4	0.31
(1,5336)	1:45:B:THR:H	1:46:B:GLU:HA	2	0.31
(1,5335)	1:45:A:THR:H	1:46:A:GLU:HA	5	0.31
(1,5175)	1:48:A:ALA:HB2	1:48:A:ALA:HB3	9	0.31
(1,5132)	1:97:B:LYS:HB3	1:97:B:LYS:HG2	8	0.31
(1,5131)	1:97:A:LYS:HB3	1:97:A:LYS:HG2	8	0.31
(1,5122)	1:52:B:LYS:HB2	1:52:B:LYS:HG3	6	0.31
(1,5122)	1:66:B:LYS:HB3	1:66:B:LYS:HG2	10	0.31
(1,5122)	1:52:B:LYS:HB2	1:52:B:LYS:HG3	14	0.31
(1,5121)	1:52:A:LYS:HB2	1:52:A:LYS:HG3	6	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5121)	1:66:A:LYS:HB3	1:66:A:LYS:HG2	10	0.31
(1,5121)	1:52:A:LYS:HB2	1:52:A:LYS:HG3	14	0.31
(1,5114)	1:24:B:TYR:HB2	1:23:B:LYS:HE2	19	0.31
(1,5113)	1:24:A:TYR:HB2	1:23:A:LYS:HE2	19	0.31
(1,5044)	1:87:B:LEU:HD13	1:83:B:LEU:HD21	19	0.31
(1,5043)	1:87:A:LEU:HD13	1:83:A:LEU:HD21	19	0.31
(1,4924)	1:52:B:LYS:HG2	1:52:B:LYS:HA	1	0.31
(1,4923)	1:52:A:LYS:HG2	1:52:A:LYS:HA	1	0.31
(1,4883)	1:68:A:ASP:HA	1:33:A:THR:HG23	8	0.31
(1,4861)	1:68:A:ASP:HA	1:33:A:THR:HG23	8	0.31
(1,4856)	1:25:B:ALA:HA	1:34:B:LEU:HD22	4	0.31
(1,4855)	1:25:A:ALA:HA	1:34:A:LEU:HD22	4	0.31
(1,4830)	1:18:B:ILE:HG22	1:14:B:ILE:HG23	1	0.31
(1,4829)	1:18:A:ILE:HG22	1:14:A:ILE:HG23	1	0.31
(1,4806)	1:18:B:ILE:HG22	1:14:B:ILE:HG23	1	0.31
(1,4805)	1:18:A:ILE:HG22	1:14:A:ILE:HG23	1	0.31
(1,4780)	1:14:B:ILE:HD11	1:88:A:ALA:HA	12	0.31
(1,4716)	1:17:B:LEU:HD23	1:13:A:CYS:HB2	4	0.31
(1,4715)	1:17:A:LEU:HD23	1:13:B:CYS:HB2	4	0.31
(1,4706)	1:64:B:MET:HG2	1:65:B:LYS:HE3	16	0.31
(1,4670)	1:87:B:LEU:HG	1:47:B:LEU:HD11	13	0.31
(1,4669)	1:87:A:LEU:HG	1:47:A:LEU:HD11	13	0.31
(1,4634)	1:14:B:ILE:H	1:14:B:ILE:HD13	13	0.31
(1,4633)	1:14:A:ILE:H	1:14:A:ILE:HD13	13	0.31
(1,4619)	1:68:A:ASP:HB2	1:65:A:LYS:HA	11	0.31
(1,4604)	1:47:B:LEU:HD13	1:42:B:PHE:HA	15	0.31
(1,4603)	1:47:A:LEU:HD13	1:42:A:PHE:HA	15	0.31
(1,4578)	1:65:B:LYS:HD2	1:68:B:ASP:HA	20	0.31
(1,4577)	1:65:A:LYS:HD2	1:68:A:ASP:HA	20	0.31
(1,4566)	1:65:B:LYS:HD2	1:68:B:ASP:HA	20	0.31
(1,4565)	1:65:A:LYS:HD2	1:68:A:ASP:HA	20	0.31
(1,4552)	1:83:B:LEU:HD11	1:64:B:MET:H	5	0.31
(1,4551)	1:83:A:LEU:HD11	1:64:A:MET:H	5	0.31
(1,4548)	1:50:B:PHE:HB3	1:47:B:LEU:HD23	19	0.31
(1,4547)	1:50:A:PHE:HB3	1:47:A:LEU:HD23	19	0.31
(1,4496)	1:89:B:MET:HA	1:81:A:LEU:HD11	9	0.31
(1,4470)	1:33:B:THR:HG21	1:79:B:GLU:H	11	0.31
(1,4460)	1:20:B:VAL:HG23	1:81:B:LEU:HD21	8	0.31
(1,4459)	1:20:A:VAL:HG23	1:81:A:LEU:HD21	8	0.31
(1,4439)	1:49:A:ALA:HB3	1:50:A:PHE:HB2	8	0.31
(1,4424)	1:58:B:GLY:HA2	1:57:B:PRO:HG2	16	0.31
(1,4423)	1:58:A:GLY:HA2	1:57:A:PRO:HG2	16	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4422)	1:42:B:PHE:HA	1:45:B:THR:HG22	20	0.31
(1,4421)	1:42:A:PHE:HA	1:45:A:THR:HG22	20	0.31
(1,4320)	1:65:B:LYS:HD2	1:68:B:ASP:HA	20	0.31
(1,4319)	1:65:A:LYS:HD2	1:68:A:ASP:HA	20	0.31
(1,4270)	1:25:B:ALA:HB1	1:24:B:TYR:HB2	12	0.31
(1,4269)	1:25:A:ALA:HB1	1:24:A:TYR:HB2	12	0.31
(1,4262)	1:63:B:MET:HG2	1:59:B:VAL:HA	7	0.31
(1,4261)	1:63:A:MET:HG2	1:59:A:VAL:HA	7	0.31
(1,4234)	1:68:B:ASP:HB2	1:65:B:LYS:HD2	7	0.31
(1,4224)	1:48:B:ALA:HA	1:60:B:LEU:HD23	10	0.31
(1,4224)	1:48:B:ALA:HA	1:60:B:LEU:HD22	19	0.31
(1,4223)	1:48:A:ALA:HA	1:60:A:LEU:HD23	10	0.31
(1,4223)	1:48:A:ALA:HA	1:60:A:LEU:HD22	19	0.31
(1,4178)	1:8:B:THR:HG22	1:46:A:GLU:H	7	0.31
(1,4178)	1:8:B:THR:HG21	1:46:A:GLU:H	12	0.31
(1,4178)	1:20:B:VAL:HG23	1:19:B:ALA:H	16	0.31
(1,4177)	1:8:A:THR:HG22	1:46:B:GLU:H	1	0.31
(1,4177)	1:8:A:THR:HG21	1:46:B:GLU:H	12	0.31
(1,4177)	1:20:A:VAL:HG23	1:19:A:ALA:H	16	0.31
(1,4174)	1:67:B:LEU:HD23	1:64:B:MET:HA	4	0.31
(1,4173)	1:67:A:LEU:HD23	1:64:A:MET:HA	4	0.31
(1,4171)	1:44:A:ASN:HB2	1:43:A:MET:HB3	13	0.31
(1,4154)	1:82:B:ASN:HA	1:81:B:LEU:HB2	3	0.31
(1,4153)	1:82:A:ASN:HA	1:81:A:LEU:HB2	3	0.31
(1,4150)	1:13:B:CYS:HB2	1:17:A:LEU:HG	17	0.31
(1,4149)	1:13:A:CYS:HB2	1:17:B:LEU:HG	8	0.31
(1,4144)	1:58:B:GLY:HA3	1:61:B:ASP:HB3	10	0.31
(1,4143)	1:58:A:GLY:HA3	1:61:A:ASP:HB3	10	0.31
(1,4119)	1:46:A:GLU:HB3	1:23:A:LYS:HG3	13	0.31
(1,4062)	1:66:B:LYS:H	1:65:B:LYS:HG2	7	0.31
(1,4062)	1:66:B:LYS:H	1:65:B:LYS:HG2	11	0.31
(1,4061)	1:66:A:LYS:H	1:65:A:LYS:HG2	7	0.31
(1,4043)	1:57:A:PRO:HG2	1:61:A:ASP:HB2	3	0.31
(1,4034)	1:21:B:PHE:H	1:19:B:ALA:HA	6	0.31
(1,4034)	1:21:B:PHE:H	1:19:B:ALA:HA	18	0.31
(1,4033)	1:21:A:PHE:H	1:19:A:ALA:HA	6	0.31
(1,4033)	1:21:A:PHE:H	1:19:A:ALA:HA	18	0.31
(1,4004)	1:51:B:THR:HB	1:50:B:PHE:HB2	5	0.31
(1,4004)	1:51:B:THR:HB	1:50:B:PHE:HB3	17	0.31
(1,4003)	1:51:A:THR:HB	1:50:A:PHE:HB2	5	0.31
(1,4003)	1:51:A:THR:HB	1:50:A:PHE:HB3	17	0.31
(1,3952)	1:15:B:GLU:HA	1:14:B:ILE:HA	19	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3951)	1:15:A:GLU:HA	1:14:A:ILE:HA	2	0.31
(1,3951)	1:15:A:GLU:HA	1:14:A:ILE:HA	19	0.31
(1,3940)	1:75:B:LEU:HD13	1:67:B:LEU:H	8	0.31
(1,3939)	1:75:A:LEU:HD13	1:67:A:LEU:H	8	0.31
(1,3904)	1:57:B:PRO:HA	1:59:B:VAL:HA	13	0.31
(1,3903)	1:57:A:PRO:HA	1:59:A:VAL:HA	13	0.31
(1,3900)	1:75:B:LEU:HB2	1:64:B:MET:HB2	7	0.31
(1,3888)	1:14:B:ILE:HA	1:13:B:CYS:HA	3	0.31
(1,3887)	1:14:A:ILE:HA	1:13:A:CYS:HA	3	0.31
(1,3887)	1:14:A:ILE:HA	1:13:A:CYS:HA	11	0.31
(1,3886)	1:100:B:PRO:HG3	1:96:B:LEU:HG	5	0.31
(1,3885)	1:100:A:PRO:HG3	1:96:A:LEU:HG	5	0.31
(1,3880)	1:69:B:THR:HB	1:70:B:ASN:HB3	5	0.31
(1,3876)	1:33:B:THR:HG21	1:79:B:GLU:H	11	0.31
(1,3841)	1:89:A:MET:HG3	1:86:A:GLY:H	12	0.31
(1,3752)	1:11:B:GLU:HB2	1:8:B:THR:HB	1	0.31
(1,3751)	1:11:A:GLU:HB2	1:8:A:THR:HB	1	0.31
(1,3708)	1:49:B:ALA:HB1	1:11:A:GLU:HG3	1	0.31
(1,3707)	1:49:A:ALA:HB1	1:11:B:GLU:HG3	1	0.31
(1,3680)	1:33:B:THR:HB	1:34:B:LEU:HG	3	0.31
(1,3679)	1:33:A:THR:HB	1:34:A:LEU:HG	3	0.31
(1,3654)	1:8:B:THR:HB	1:10:B:THR:HA	2	0.31
(1,3654)	1:8:B:THR:HB	1:10:B:THR:HA	10	0.31
(1,3654)	1:8:B:THR:HB	1:10:B:THR:HA	14	0.31
(1,3653)	1:8:A:THR:HB	1:10:A:THR:HA	3	0.31
(1,3653)	1:8:A:THR:HB	1:10:A:THR:HA	10	0.31
(1,3653)	1:8:A:THR:HB	1:10:A:THR:HA	14	0.31
(1,3652)	1:47:B:LEU:HD22	1:10:A:THR:H	7	0.31
(1,3651)	1:47:A:LEU:HD22	1:10:B:THR:H	7	0.31
(1,3630)	1:63:B:MET:HG3	1:64:B:MET:HA	3	0.31
(1,3630)	1:63:B:MET:HG3	1:64:B:MET:HA	15	0.31
(1,3629)	1:63:A:MET:HG3	1:64:A:MET:HA	3	0.31
(1,3629)	1:63:A:MET:HG3	1:64:A:MET:HA	15	0.31
(1,3608)	1:37:B:THR:HG22	1:39:B:PHE:H	9	0.31
(1,3607)	1:37:A:THR:HG22	1:39:A:PHE:H	9	0.31
(1,3584)	1:77:B:PHE:HB2	1:79:B:GLU:H	2	0.31
(1,3584)	1:77:B:PHE:HB2	1:79:B:GLU:H	17	0.31
(1,3583)	1:77:A:PHE:HB2	1:79:A:GLU:H	2	0.31
(1,3583)	1:77:A:PHE:HB2	1:79:A:GLU:H	17	0.31
(1,3558)	1:68:B:ASP:HA	1:33:B:THR:HG22	20	0.31
(1,3557)	1:68:A:ASP:HA	1:33:A:THR:HG22	20	0.31
(1,3530)	1:34:B:LEU:HB2	1:39:B:PHE:HA	9	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3529)	1:34:A:LEU:HB2	1:39:A:PHE:HA	9	0.31
(1,3468)	1:75:B:LEU:HB3	1:33:B:THR:HA	2	0.31
(1,3404)	1:9:B:GLU:HB3	1:16:A:SER:HB3	2	0.31
(1,3403)	1:9:A:GLU:HB3	1:16:B:SER:HB3	9	0.31
(1,3388)	1:17:B:LEU:HD21	1:88:A:ALA:HB2	1	0.31
(1,3387)	1:17:A:LEU:HD21	1:88:B:ALA:HB2	1	0.31
(1,3378)	1:8:B:THR:HG21	1:48:A:ALA:HA	3	0.31
(1,3377)	1:8:A:THR:HG21	1:48:B:ALA:HA	3	0.31
(1,3361)	1:19:A:ALA:HB3	1:9:B:GLU:HA	7	0.31
(1,3359)	1:19:A:ALA:HB3	1:9:B:GLU:HA	7	0.31
(1,3354)	1:84:B:ILE:HG23	1:17:A:LEU:HD12	9	0.31
(1,3056)	1:94:B:SER:H	1:93:B:ASP:HB2	10	0.31
(1,3055)	1:94:A:SER:H	1:93:A:ASP:HB2	10	0.31
(1,2776)	1:50:B:PHE:H	1:47:B:LEU:HB2	4	0.31
(1,2776)	1:50:B:PHE:H	1:47:B:LEU:HB2	11	0.31
(1,2775)	1:50:A:PHE:H	1:47:A:LEU:HB2	4	0.31
(1,2775)	1:50:A:PHE:H	1:47:A:LEU:HB2	11	0.31
(1,2334)	1:60:B:LEU:HD21	1:60:B:LEU:HG	5	0.31
(1,2334)	1:60:B:LEU:HD21	1:60:B:LEU:HG	7	0.31
(1,2334)	1:60:B:LEU:HD23	1:60:B:LEU:HG	11	0.31
(1,2333)	1:60:A:LEU:HD21	1:60:A:LEU:HG	5	0.31
(1,2333)	1:60:A:LEU:HD21	1:60:A:LEU:HG	7	0.31
(1,2333)	1:60:A:LEU:HD23	1:60:A:LEU:HG	11	0.31
(1,2333)	1:60:A:LEU:HD22	1:60:A:LEU:HG	20	0.31
(1,2140)	1:27:B:LYS:HD3	1:27:B:LYS:HB3	19	0.31
(1,2139)	1:27:A:LYS:HD3	1:27:A:LYS:HB3	19	0.31
(1,2032)	1:40:B:LEU:HD13	1:36:B:LYS:HE2	12	0.31
(1,2031)	1:40:A:LEU:HD13	1:36:A:LYS:HE2	12	0.31
(1,1944)	1:42:B:PHE:HA	1:27:B:LYS:HE3	9	0.31
(1,1808)	1:10:B:THR:HA	1:10:B:THR:HG23	4	0.31
(1,1807)	1:10:A:THR:HA	1:10:A:THR:HG23	4	0.31
(1,1580)	1:57:B:PRO:HD3	1:57:B:PRO:HB2	2	0.31
(1,1579)	1:57:A:PRO:HD3	1:57:A:PRO:HB2	2	0.31
(1,1454)	1:48:B:ALA:HA	1:51:B:THR:HG23	8	0.31
(1,1426)	1:47:B:LEU:HD13	1:50:B:PHE:HB3	11	0.31
(1,1425)	1:47:A:LEU:HD13	1:50:A:PHE:HB3	11	0.31
(1,1378)	1:49:B:ALA:HB1	1:50:B:PHE:HB2	9	0.31
(1,1377)	1:49:A:ALA:HB1	1:50:A:PHE:HB2	9	0.31
(1,1222)	1:89:B:MET:HG2	1:88:B:ALA:HB2	17	0.31
(1,1221)	1:89:A:MET:HG2	1:88:A:ALA:HB2	17	0.31
(1,1149)	1:94:A:SER:HB2	1:93:A:ASP:HB3	4	0.31
(1,1088)	1:84:B:ILE:H	1:81:B:LEU:HD21	9	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1060)	1:16:B:SER:HB3	1:19:B:ALA:HB2	12	0.31
(1,1059)	1:16:A:SER:HB3	1:19:A:ALA:HB2	12	0.31
(1,1029)	1:38:A:GLU:HB3	1:24:A:TYR:HB2	3	0.31
(1,1006)	1:9:B:GLU:HG3	1:8:B:THR:HB	2	0.31
(1,1006)	1:9:B:GLU:HG3	1:8:B:THR:HB	8	0.31
(1,1005)	1:9:A:GLU:HG3	1:8:A:THR:HB	2	0.31
(1,1005)	1:9:A:GLU:HG3	1:8:A:THR:HB	8	0.31
(1,1005)	1:9:A:GLU:HG3	1:8:A:THR:HB	20	0.31
(1,960)	1:33:B:THR:HG21	1:74:B:GLN:HA	3	0.31
(1,960)	1:33:B:THR:HG22	1:74:B:GLN:HA	17	0.31
(1,959)	1:33:A:THR:HG22	1:74:A:GLN:HA	17	0.31
(1,942)	1:18:B:ILE:HG22	1:15:B:GLU:HB3	16	0.31
(1,941)	1:18:A:ILE:HG22	1:15:A:GLU:HB3	16	0.31
(1,901)	1:40:A:LEU:HB3	1:37:A:THR:HG22	6	0.31
(1,836)	1:59:B:VAL:HG22	1:62:B:ARG:H	6	0.31
(1,835)	1:59:A:VAL:HG22	1:62:A:ARG:H	6	0.31
(1,794)	1:93:B:ASP:HB3	1:96:B:LEU:HD21	2	0.31
(1,793)	1:93:A:ASP:HB3	1:96:A:LEU:HD21	2	0.31
(1,793)	1:93:A:ASP:HB3	1:96:A:LEU:HD21	10	0.31
(1,716)	1:76:B:ASP:HA	1:77:B:PHE:HB2	1	0.31
(1,715)	1:76:A:ASP:HA	1:77:A:PHE:HB2	1	0.31
(1,713)	1:16:A:SER:HB3	1:17:A:LEU:HD21	2	0.31
(1,688)	1:46:B:GLU:HG3	1:20:B:VAL:HG23	2	0.31
(1,650)	1:15:B:GLU:HG2	1:16:B:SER:H	5	0.31
(1,650)	1:15:B:GLU:HG2	1:16:B:SER:H	6	0.31
(1,649)	1:15:A:GLU:HG2	1:16:A:SER:H	5	0.31
(1,649)	1:15:A:GLU:HG2	1:16:A:SER:H	6	0.31
(1,647)	1:14:A:ILE:HB	1:88:B:ALA:HB3	17	0.31
(1,476)	1:67:B:LEU:HB3	1:75:B:LEU:HB2	11	0.31
(1,476)	1:67:B:LEU:HB3	1:75:B:LEU:HB2	19	0.31
(1,475)	1:67:A:LEU:HB3	1:75:A:LEU:HB2	11	0.31
(1,475)	1:67:A:LEU:HB3	1:75:A:LEU:HB2	19	0.31
(1,444)	1:15:B:GLU:HG3	1:91:A:CYS:HB2	16	0.31
(1,388)	1:100:B:PRO:HD3	1:95:B:PHE:HB3	12	0.31
(1,388)	1:100:B:PRO:HD3	1:95:B:PHE:HB3	17	0.31
(1,363)	1:47:A:LEU:HD21	1:10:B:THR:H	17	0.31
(1,356)	1:60:B:LEU:HB2	1:61:B:ASP:HB3	6	0.31
(1,355)	1:60:A:LEU:HB2	1:61:A:ASP:HB3	6	0.31
(1,346)	1:23:B:LYS:HA	1:25:B:ALA:HB2	13	0.31
(1,345)	1:23:A:LYS:HA	1:25:A:ALA:HB2	13	0.31
(1,254)	1:57:B:PRO:HD3	1:59:B:VAL:HG12	7	0.31
(1,253)	1:57:A:PRO:HD3	1:59:A:VAL:HG12	7	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,220)	1:75:B:LEU:HD11	1:68:B:ASP:HA	3	0.31
(1,220)	1:75:B:LEU:HD11	1:68:B:ASP:HA	17	0.31
(1,219)	1:75:A:LEU:HD11	1:68:A:ASP:HA	3	0.31
(1,219)	1:75:A:LEU:HD11	1:68:A:ASP:HA	17	0.31
(1,218)	1:18:B:ILE:HA	1:95:A:PHE:HB2	5	0.31
(1,217)	1:18:A:ILE:HA	1:95:B:PHE:HB3	19	0.31
(1,190)	1:46:B:GLU:HG3	1:24:B:TYR:H	16	0.31
(1,189)	1:46:A:GLU:HG3	1:24:A:TYR:H	16	0.31
(1,188)	1:42:B:PHE:HA	1:34:B:LEU:HD22	17	0.31
(1,187)	1:42:A:PHE:HA	1:34:A:LEU:HD22	17	0.31
(1,5722)	1:67:B:LEU:H	1:67:B:LEU:HD22	6	0.3
(1,5722)	1:67:B:LEU:H	1:67:B:LEU:HD23	7	0.3
(1,5721)	1:67:A:LEU:H	1:67:A:LEU:HD22	6	0.3
(1,5570)	1:44:B:ASN:H	1:60:B:LEU:HD11	7	0.3
(1,5569)	1:44:A:ASN:H	1:60:A:LEU:HD11	7	0.3
(1,5558)	1:88:B:ALA:H	1:81:A:LEU:HD12	3	0.3
(1,5557)	1:88:A:ALA:H	1:81:B:LEU:HD12	3	0.3
(1,5539)	1:10:A:THR:H	1:20:B:VAL:HG21	16	0.3
(1,5502)	1:82:B:ASN:H	1:86:B:GLY:H	1	0.3
(1,5501)	1:82:A:ASN:H	1:86:A:GLY:H	1	0.3
(1,5497)	1:76:A:ASP:H	1:77:A:PHE:HB2	6	0.3
(1,5478)	1:37:B:THR:H	1:40:B:LEU:HD21	11	0.3
(1,5477)	1:37:A:THR:H	1:40:A:LEU:HD21	11	0.3
(1,5472)	1:80:B:PHE:H	1:75:B:LEU:HD11	1	0.3
(1,5471)	1:80:A:PHE:H	1:75:A:LEU:HD11	1	0.3
(1,5440)	1:93:B:ASP:H	1:96:B:LEU:HB2	1	0.3
(1,5439)	1:93:A:ASP:H	1:96:A:LEU:HB2	1	0.3
(1,5412)	1:17:B:LEU:H	1:18:B:ILE:HB	18	0.3
(1,5390)	1:23:B:LYS:H	1:23:B:LYS:HE2	20	0.3
(1,5389)	1:23:A:LYS:H	1:23:A:LYS:HE2	20	0.3
(1,5352)	1:41:B:SER:H	1:42:B:PHE:HB2	15	0.3
(1,5336)	1:45:B:THR:H	1:46:B:GLU:HA	8	0.3
(1,5336)	1:45:B:THR:H	1:46:B:GLU:HA	9	0.3
(1,5335)	1:45:A:THR:H	1:46:A:GLU:HA	2	0.3
(1,5335)	1:45:A:THR:H	1:46:A:GLU:HA	3	0.3
(1,5335)	1:45:A:THR:H	1:46:A:GLU:HA	8	0.3
(1,5335)	1:45:A:THR:H	1:46:A:GLU:HA	9	0.3
(1,5335)	1:45:A:THR:H	1:46:A:GLU:HA	16	0.3
(1,5312)	1:28:B:ASP:H	1:34:B:LEU:HD21	12	0.3
(1,5311)	1:28:A:ASP:H	1:34:A:LEU:HD21	12	0.3
(1,5280)	1:28:B:ASP:H	1:34:B:LEU:HD21	12	0.3
(1,5279)	1:28:A:ASP:H	1:34:A:LEU:HD21	12	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5132)	1:52:B:LYS:HB2	1:52:B:LYS:HG3	11	0.3
(1,5132)	1:66:B:LYS:HB2	1:66:B:LYS:HG3	20	0.3
(1,5131)	1:52:A:LYS:HB2	1:52:A:LYS:HG3	11	0.3
(1,5131)	1:66:A:LYS:HB2	1:66:A:LYS:HG3	20	0.3
(1,5122)	1:52:B:LYS:HB2	1:52:B:LYS:HG3	13	0.3
(1,5121)	1:52:A:LYS:HB2	1:52:A:LYS:HG3	13	0.3
(1,5120)	1:40:B:LEU:HG	1:40:B:LEU:HD22	12	0.3
(1,5119)	1:40:A:LEU:HG	1:40:A:LEU:HD22	12	0.3
(1,5102)	1:37:B:THR:HA	1:37:B:THR:HG23	16	0.3
(1,5101)	1:37:A:THR:HA	1:37:A:THR:HG21	5	0.3
(1,5101)	1:37:A:THR:HA	1:37:A:THR:HG23	16	0.3
(1,5100)	1:17:B:LEU:HD21	1:17:B:LEU:HB3	10	0.3
(1,5099)	1:17:A:LEU:HD21	1:17:A:LEU:HB3	10	0.3
(1,4938)	1:10:B:THR:HG23	1:87:A:LEU:HD21	7	0.3
(1,4937)	1:10:A:THR:HG23	1:87:B:LEU:HD21	7	0.3
(1,4904)	1:82:B:ASN:HB2	1:66:B:LYS:HE3	18	0.3
(1,4903)	1:82:A:ASN:HB2	1:66:A:LYS:HE3	18	0.3
(1,4884)	1:68:B:ASP:HA	1:33:B:THR:HG23	12	0.3
(1,4883)	1:68:A:ASP:HA	1:33:A:THR:HG23	12	0.3
(1,4862)	1:68:B:ASP:HA	1:33:B:THR:HG23	12	0.3
(1,4861)	1:68:A:ASP:HA	1:33:A:THR:HG23	12	0.3
(1,4838)	1:63:B:MET:HA	1:66:B:LYS:HE2	9	0.3
(1,4837)	1:63:A:MET:HA	1:66:A:LYS:HE2	9	0.3
(1,4710)	1:15:B:GLU:HB3	1:18:B:ILE:HB	5	0.3
(1,4710)	1:15:B:GLU:HB3	1:18:B:ILE:HB	12	0.3
(1,4710)	1:15:B:GLU:HB3	1:18:B:ILE:HB	18	0.3
(1,4709)	1:15:A:GLU:HB3	1:18:A:ILE:HB	5	0.3
(1,4709)	1:15:A:GLU:HB3	1:18:A:ILE:HB	12	0.3
(1,4709)	1:15:A:GLU:HB3	1:18:A:ILE:HB	18	0.3
(1,4704)	1:67:B:LEU:H	1:67:B:LEU:HD22	15	0.3
(1,4619)	1:68:A:ASP:HB2	1:65:A:LYS:HA	6	0.3
(1,4552)	1:83:B:LEU:HD12	1:64:B:MET:H	2	0.3
(1,4551)	1:83:A:LEU:HD12	1:64:A:MET:H	2	0.3
(1,4469)	1:33:A:THR:HG21	1:79:A:GLU:H	11	0.3
(1,4440)	1:49:B:ALA:HB3	1:50:B:PHE:HB2	8	0.3
(1,4440)	1:49:B:ALA:HB1	1:50:B:PHE:HB2	13	0.3
(1,4440)	1:49:B:ALA:HB1	1:50:B:PHE:HB2	19	0.3
(1,4439)	1:49:A:ALA:HB1	1:50:A:PHE:HB2	13	0.3
(1,4439)	1:49:A:ALA:HB1	1:50:A:PHE:HB2	19	0.3
(1,4424)	1:40:B:LEU:HG	1:36:B:LYS:HA	8	0.3
(1,4423)	1:40:A:LEU:HG	1:36:A:LYS:HA	8	0.3
(1,4348)	1:82:B:ASN:HB2	1:66:B:LYS:HE3	18	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4347)	1:82:A:ASN:HB2	1:66:A:LYS:HE3	18	0.3
(1,4262)	1:63:B:MET:HG2	1:59:B:VAL:HA	2	0.3
(1,4261)	1:63:A:MET:HG2	1:59:A:VAL:HA	2	0.3
(1,4254)	1:15:B:GLU:HG2	1:88:A:ALA:HB2	8	0.3
(1,4233)	1:68:A:ASP:HB2	1:65:A:LYS:HD2	7	0.3
(1,4216)	1:94:B:SER:HB2	1:90:B:ALA:HB2	1	0.3
(1,4183)	1:13:A:CYS:HA	1:17:A:LEU:HG	9	0.3
(1,4180)	1:66:B:LYS:HE2	1:63:B:MET:HB3	5	0.3
(1,4179)	1:66:A:LYS:HE2	1:63:A:MET:HB3	5	0.3
(1,4174)	1:67:B:LEU:HD23	1:64:B:MET:HA	8	0.3
(1,4174)	1:67:B:LEU:HD21	1:64:B:MET:HA	15	0.3
(1,4173)	1:67:A:LEU:HD23	1:64:A:MET:HA	8	0.3
(1,4173)	1:67:A:LEU:HD21	1:64:A:MET:HA	15	0.3
(1,4172)	1:44:B:ASN:HB2	1:43:B:MET:HB3	13	0.3
(1,4150)	1:13:B:CYS:HB2	1:17:A:LEU:HG	8	0.3
(1,4104)	1:42:B:PHE:HA	1:20:B:VAL:HB	1	0.3
(1,4104)	1:42:B:PHE:HA	1:20:B:VAL:HB	6	0.3
(1,4103)	1:42:A:PHE:HA	1:20:A:VAL:HB	1	0.3
(1,4103)	1:42:A:PHE:HA	1:20:A:VAL:HB	6	0.3
(1,4062)	1:66:B:LYS:H	1:65:B:LYS:HG2	8	0.3
(1,4061)	1:66:A:LYS:H	1:65:A:LYS:HG2	8	0.3
(1,4061)	1:66:A:LYS:H	1:65:A:LYS:HG2	11	0.3
(1,4060)	1:97:B:LYS:HG3	1:98:B:ALA:H	13	0.3
(1,4059)	1:97:A:LYS:HG3	1:98:A:ALA:H	13	0.3
(1,4054)	1:68:B:ASP:HA	1:69:B:THR:HA	9	0.3
(1,4053)	1:68:A:ASP:HA	1:69:A:THR:HA	9	0.3
(1,4052)	1:58:B:GLY:HA3	1:57:B:PRO:HG2	13	0.3
(1,4051)	1:58:A:GLY:HA3	1:57:A:PRO:HG2	13	0.3
(1,4044)	1:57:B:PRO:HG2	1:61:B:ASP:HB2	3	0.3
(1,4044)	1:40:B:LEU:HG	1:61:B:ASP:HB2	20	0.3
(1,4043)	1:40:A:LEU:HG	1:61:A:ASP:HB2	20	0.3
(1,4034)	1:21:B:PHE:H	1:19:B:ALA:HA	8	0.3
(1,4033)	1:21:A:PHE:H	1:19:A:ALA:HA	8	0.3
(1,4024)	1:83:B:LEU:HB3	1:82:B:ASN:HB2	1	0.3
(1,3972)	1:34:B:LEU:HD12	1:80:B:PHE:HB3	2	0.3
(1,3952)	1:15:B:GLU:HA	1:18:B:ILE:HA	8	0.3
(1,3952)	1:15:B:GLU:HA	1:14:B:ILE:HA	10	0.3
(1,3952)	1:15:B:GLU:HA	1:14:B:ILE:HA	14	0.3
(1,3951)	1:15:A:GLU:HA	1:18:A:ILE:HA	8	0.3
(1,3951)	1:15:A:GLU:HA	1:14:A:ILE:HA	10	0.3
(1,3951)	1:15:A:GLU:HA	1:14:A:ILE:HA	14	0.3
(1,3935)	1:82:A:ASN:HB3	1:66:A:LYS:HD2	5	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3918)	1:19:B:ALA:H	1:20:B:VAL:HB	6	0.3
(1,3917)	1:19:A:ALA:H	1:20:A:VAL:HB	6	0.3
(1,3906)	1:12:B:ARG:HG3	1:10:B:THR:HA	17	0.3
(1,3905)	1:12:A:ARG:HG3	1:10:A:THR:HA	17	0.3
(1,3899)	1:75:A:LEU:HB2	1:64:A:MET:HB2	7	0.3
(1,3890)	1:17:B:LEU:HB2	1:18:B:ILE:HB	14	0.3
(1,3889)	1:17:A:LEU:HB2	1:18:A:ILE:HB	14	0.3
(1,3888)	1:14:B:ILE:HA	1:13:B:CYS:HA	17	0.3
(1,3879)	1:69:A:THR:HB	1:70:A:ASN:HB3	5	0.3
(1,3875)	1:33:A:THR:HG21	1:79:A:GLU:H	11	0.3
(1,3800)	1:47:B:LEU:HA	1:87:B:LEU:HD21	8	0.3
(1,3799)	1:47:A:LEU:HA	1:87:A:LEU:HD21	8	0.3
(1,3794)	1:74:B:GLN:HA	1:64:B:MET:HG2	9	0.3
(1,3793)	1:74:A:GLN:HA	1:64:A:MET:HG2	9	0.3
(1,3752)	1:11:B:GLU:HB2	1:8:B:THR:HB	10	0.3
(1,3751)	1:11:A:GLU:HB2	1:8:A:THR:HB	10	0.3
(1,3740)	1:11:B:GLU:HB2	1:8:B:THR:HB	11	0.3
(1,3739)	1:11:A:GLU:HB2	1:8:A:THR:HB	11	0.3
(1,3732)	1:25:B:ALA:HB3	1:35:B:SER:HB2	9	0.3
(1,3704)	1:39:B:PHE:HB2	1:60:B:LEU:HB3	10	0.3
(1,3703)	1:39:A:PHE:HB2	1:60:A:LEU:HB3	10	0.3
(1,3654)	1:8:B:THR:HB	1:10:B:THR:HA	3	0.3
(1,3653)	1:8:A:THR:HB	1:10:A:THR:HA	2	0.3
(1,3638)	1:34:B:LEU:HB3	1:24:B:TYR:HB3	1	0.3
(1,3637)	1:34:A:LEU:HB3	1:24:A:TYR:HB3	1	0.3
(1,3632)	1:97:B:LYS:HG2	1:93:B:ASP:HB3	14	0.3
(1,3631)	1:97:A:LYS:HG2	1:93:A:ASP:HB3	14	0.3
(1,3628)	1:33:B:THR:HB	1:25:B:ALA:HA	19	0.3
(1,3627)	1:33:A:THR:HB	1:25:A:ALA:HA	19	0.3
(1,3622)	1:60:B:LEU:HB2	1:63:B:MET:HB2	13	0.3
(1,3621)	1:60:A:LEU:HB2	1:63:A:MET:HB2	13	0.3
(1,3602)	1:64:B:MET:HB3	1:61:B:ASP:HB2	13	0.3
(1,3601)	1:64:A:MET:HB3	1:61:A:ASP:HB2	13	0.3
(1,3588)	1:76:B:ASP:HB2	1:77:B:PHE:HB3	8	0.3
(1,3587)	1:76:A:ASP:HB2	1:77:A:PHE:HB3	8	0.3
(1,3536)	1:18:B:ILE:HB	1:91:A:CYS:HB3	11	0.3
(1,3535)	1:18:A:ILE:HB	1:91:B:CYS:HB3	11	0.3
(1,3530)	1:34:B:LEU:HB2	1:39:B:PHE:HA	15	0.3
(1,3492)	1:52:B:LYS:HG3	1:44:B:ASN:HB3	9	0.3
(1,3468)	1:75:B:LEU:HB3	1:33:B:THR:HA	9	0.3
(1,3467)	1:75:A:LEU:HB3	1:33:A:THR:HA	9	0.3
(1,3404)	1:9:B:GLU:HB3	1:16:A:SER:HB3	3	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3403)	1:9:A:GLU:HB3	1:16:B:SER:HB3	2	0.3
(1,3403)	1:9:A:GLU:HB3	1:16:B:SER:HB3	3	0.3
(1,3372)	1:10:B:THR:HG23	1:87:A:LEU:HD21	7	0.3
(1,3371)	1:10:A:THR:HG23	1:87:B:LEU:HD21	7	0.3
(1,3362)	1:19:B:ALA:HB3	1:9:A:GLU:HA	7	0.3
(1,3360)	1:19:B:ALA:HB3	1:9:A:GLU:HA	7	0.3
(1,3169)	1:23:A:LYS:H	1:23:A:LYS:HD3	1	0.3
(1,3055)	1:94:A:SER:H	1:93:A:ASP:HB2	5	0.3
(1,2768)	1:80:B:PHE:H	1:75:B:LEU:HB2	14	0.3
(1,2767)	1:80:A:PHE:H	1:75:A:LEU:HB2	14	0.3
(1,2715)	1:22:A:GLN:H	1:18:A:ILE:HG23	6	0.3
(1,2592)	1:26:B:GLY:H	1:24:B:TYR:HB3	11	0.3
(1,2591)	1:26:A:GLY:H	1:24:A:TYR:HB3	11	0.3
(1,2334)	1:60:B:LEU:HD23	1:60:B:LEU:HG	8	0.3
(1,2333)	1:60:A:LEU:HD23	1:60:A:LEU:HG	8	0.3
(1,2280)	1:12:B:ARG:HB2	1:12:B:ARG:HD3	8	0.3
(1,2279)	1:12:A:ARG:HB2	1:12:A:ARG:HD3	8	0.3
(1,2032)	1:40:B:LEU:HD11	1:36:B:LYS:HE2	11	0.3
(1,1944)	1:42:B:PHE:HA	1:27:B:LYS:HE2	2	0.3
(1,1943)	1:42:A:PHE:HA	1:27:A:LYS:HE2	2	0.3
(1,1894)	1:25:B:ALA:HA	1:34:B:LEU:HD21	6	0.3
(1,1893)	1:25:A:ALA:HA	1:34:A:LEU:HD21	6	0.3
(1,1808)	1:10:B:THR:HA	1:10:B:THR:HG23	12	0.3
(1,1807)	1:10:A:THR:HA	1:10:A:THR:HG23	12	0.3
(1,1795)	1:63:A:MET:HG3	1:60:A:LEU:HD22	15	0.3
(1,1682)	1:50:B:PHE:HB2	1:47:B:LEU:HD21	4	0.3
(1,1632)	1:60:B:LEU:H	1:59:B:VAL:HG23	19	0.3
(1,1624)	1:67:B:LEU:H	1:67:B:LEU:HD12	10	0.3
(1,1623)	1:67:A:LEU:H	1:67:A:LEU:HD12	10	0.3
(1,1580)	1:57:B:PRO:HD3	1:57:B:PRO:HB2	3	0.3
(1,1580)	1:57:B:PRO:HD3	1:57:B:PRO:HB2	13	0.3
(1,1580)	1:57:B:PRO:HD3	1:57:B:PRO:HB2	18	0.3
(1,1579)	1:57:A:PRO:HD3	1:57:A:PRO:HB2	3	0.3
(1,1579)	1:57:A:PRO:HD3	1:57:A:PRO:HB2	13	0.3
(1,1579)	1:57:A:PRO:HD3	1:57:A:PRO:HB2	18	0.3
(1,1426)	1:47:B:LEU:HD13	1:50:B:PHE:HB2	5	0.3
(1,1425)	1:47:A:LEU:HD13	1:50:A:PHE:HB2	5	0.3
(1,1328)	1:34:B:LEU:HB2	1:39:B:PHE:HB3	16	0.3
(1,1327)	1:34:A:LEU:HB2	1:39:A:PHE:HB3	16	0.3
(1,1222)	1:89:B:MET:HG2	1:88:B:ALA:HB2	12	0.3
(1,1198)	1:97:B:LYS:HB3	1:97:B:LYS:HE3	11	0.3
(1,1197)	1:97:A:LYS:HB3	1:97:A:LYS:HE3	11	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1166)	1:81:B:LEU:HD22	1:80:B:PHE:HB3	7	0.3
(1,1165)	1:81:A:LEU:HD22	1:80:A:PHE:HB3	7	0.3
(1,1088)	1:84:B:ILE:H	1:81:B:LEU:HD22	11	0.3
(1,1088)	1:84:B:ILE:H	1:81:B:LEU:HD21	14	0.3
(1,1087)	1:84:A:ILE:H	1:81:A:LEU:HD22	3	0.3
(1,1087)	1:84:A:ILE:H	1:81:A:LEU:HD21	9	0.3
(1,1087)	1:84:A:ILE:H	1:81:A:LEU:HD22	11	0.3
(1,1087)	1:84:A:ILE:H	1:81:A:LEU:HD21	14	0.3
(1,1030)	1:38:B:GLU:HB3	1:24:B:TYR:HB2	3	0.3
(1,960)	1:33:B:THR:HG22	1:74:B:GLN:HA	15	0.3
(1,959)	1:33:A:THR:HG21	1:74:A:GLN:HA	3	0.3
(1,959)	1:33:A:THR:HG22	1:74:A:GLN:HA	15	0.3
(1,953)	1:47:A:LEU:H	1:51:A:THR:HG21	13	0.3
(1,942)	1:18:B:ILE:HG23	1:15:B:GLU:HB3	2	0.3
(1,942)	1:18:B:ILE:HG23	1:15:B:GLU:HB3	20	0.3
(1,941)	1:18:A:ILE:HG23	1:15:A:GLU:HB3	20	0.3
(1,902)	1:40:B:LEU:HB3	1:37:B:THR:HG22	6	0.3
(1,794)	1:93:B:ASP:HB3	1:96:B:LEU:HD23	17	0.3
(1,793)	1:93:A:ASP:HB3	1:96:A:LEU:HD23	17	0.3
(1,738)	1:40:B:LEU:HG	1:36:B:LYS:HE2	7	0.3
(1,737)	1:40:A:LEU:HG	1:36:A:LYS:HE2	7	0.3
(1,714)	1:16:B:SER:HB3	1:17:B:LEU:HD23	5	0.3
(1,714)	1:16:B:SER:HB3	1:17:B:LEU:HD23	10	0.3
(1,713)	1:16:A:SER:HB3	1:17:A:LEU:HD23	10	0.3
(1,691)	1:15:A:GLU:HG2	1:16:A:SER:H	20	0.3
(1,687)	1:46:A:GLU:HG3	1:20:A:VAL:HG23	2	0.3
(1,649)	1:15:A:GLU:HG2	1:16:A:SER:H	15	0.3
(1,648)	1:14:B:ILE:HB	1:88:A:ALA:HB3	13	0.3
(1,552)	1:42:B:PHE:HA	1:45:B:THR:HG23	7	0.3
(1,551)	1:42:A:PHE:HA	1:45:A:THR:HG23	7	0.3
(1,443)	1:15:A:GLU:HG3	1:91:B:CYS:HB3	10	0.3
(1,422)	1:18:B:ILE:HG22	1:95:A:PHE:H	11	0.3
(1,422)	1:18:B:ILE:HG23	1:95:A:PHE:H	17	0.3
(1,387)	1:100:A:PRO:HD3	1:95:A:PHE:HB3	12	0.3
(1,387)	1:100:A:PRO:HD3	1:95:A:PHE:HB3	17	0.3
(1,254)	1:57:B:PRO:HD3	1:59:B:VAL:HG13	14	0.3
(1,253)	1:57:A:PRO:HD3	1:59:A:VAL:HG13	9	0.3
(1,253)	1:57:A:PRO:HD3	1:59:A:VAL:HG13	14	0.3
(1,217)	1:18:A:ILE:HA	1:95:B:PHE:HB2	5	0.3
(1,56)	1:17:B:LEU:HD12	1:13:A:CYS:HB2	1	0.3
(1,55)	1:17:A:LEU:HD12	1:13:B:CYS:HB2	1	0.3
(1,50)	1:20:B:VAL:HG11	1:9:A:GLU:HG3	15	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,49)	1:20:A:VAL:HG11	1:9:B:GLU:HG3	15	0.3
(2,86)	1:42:B:PHE:HB2	1:47:B:LEU:H	18	0.29
(2,85)	1:42:A:PHE:HB2	1:47:A:LEU:H	18	0.29
(1,5721)	1:67:A:LEU:H	1:67:A:LEU:HD23	7	0.29
(1,5712)	1:42:B:PHE:H	1:39:B:PHE:HA	17	0.29
(1,5711)	1:42:A:PHE:H	1:39:A:PHE:HA	17	0.29
(1,5682)	1:87:B:LEU:H	1:87:B:LEU:HD11	13	0.29
(1,5682)	1:87:B:LEU:H	1:87:B:LEU:HD13	14	0.29
(1,5681)	1:87:A:LEU:H	1:87:A:LEU:HD11	11	0.29
(1,5681)	1:87:A:LEU:H	1:87:A:LEU:HD11	13	0.29
(1,5681)	1:87:A:LEU:H	1:87:A:LEU:HD13	14	0.29
(1,5558)	1:88:B:ALA:H	1:81:A:LEU:HD13	7	0.29
(1,5557)	1:88:A:ALA:H	1:81:B:LEU:HD13	7	0.29
(1,5502)	1:82:B:ASN:H	1:86:B:GLY:H	20	0.29
(1,5501)	1:82:A:ASN:H	1:86:A:GLY:H	20	0.29
(1,5498)	1:76:B:ASP:H	1:77:B:PHE:HB2	6	0.29
(1,5411)	1:17:A:LEU:H	1:18:A:ILE:HB	18	0.29
(1,5351)	1:41:A:SER:H	1:42:A:PHE:HB2	15	0.29
(1,5336)	1:45:B:THR:H	1:46:B:GLU:HA	3	0.29
(1,5336)	1:45:B:THR:H	1:46:B:GLU:HA	6	0.29
(1,5336)	1:45:B:THR:H	1:46:B:GLU:HA	12	0.29
(1,5336)	1:45:B:THR:H	1:46:B:GLU:HA	16	0.29
(1,5335)	1:45:A:THR:H	1:46:A:GLU:HA	12	0.29
(1,5132)	1:66:B:LYS:HB2	1:66:B:LYS:HG3	5	0.29
(1,5122)	1:52:B:LYS:HB2	1:52:B:LYS:HG3	3	0.29
(1,5122)	1:52:B:LYS:HB3	1:52:B:LYS:HG3	8	0.29
(1,5122)	1:66:B:LYS:HB2	1:66:B:LYS:HG3	9	0.29
(1,5122)	1:66:B:LYS:HB2	1:66:B:LYS:HG3	12	0.29
(1,5122)	1:52:B:LYS:HB2	1:52:B:LYS:HG3	18	0.29
(1,5121)	1:52:A:LYS:HB2	1:52:A:LYS:HG3	3	0.29
(1,5121)	1:52:A:LYS:HB3	1:52:A:LYS:HG3	8	0.29
(1,5121)	1:66:A:LYS:HB2	1:66:A:LYS:HG3	9	0.29
(1,5121)	1:66:A:LYS:HB2	1:66:A:LYS:HG3	12	0.29
(1,5121)	1:52:A:LYS:HB2	1:52:A:LYS:HG3	18	0.29
(1,5102)	1:37:B:THR:HA	1:37:B:THR:HG21	5	0.29
(1,5101)	1:37:A:THR:HA	1:37:A:THR:HG21	14	0.29
(1,5100)	1:17:B:LEU:HD22	1:17:B:LEU:HB3	2	0.29
(1,5099)	1:17:A:LEU:HD22	1:17:A:LEU:HB3	2	0.29
(1,5044)	1:87:B:LEU:HD12	1:83:B:LEU:HD22	2	0.29
(1,5043)	1:87:A:LEU:HD12	1:83:A:LEU:HD22	2	0.29
(1,4938)	1:10:B:THR:HG23	1:87:A:LEU:HD21	9	0.29
(1,4924)	1:52:B:LYS:HG2	1:52:B:LYS:HA	18	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4923)	1:52:A:LYS:HG2	1:52:A:LYS:HA	18	0.29
(1,4898)	1:88:B:ALA:HB3	1:17:A:LEU:HD13	18	0.29
(1,4856)	1:25:B:ALA:HA	1:34:B:LEU:HD23	18	0.29
(1,4855)	1:25:A:ALA:HA	1:34:A:LEU:HD23	18	0.29
(1,4756)	1:37:B:THR:HG21	1:27:B:LYS:HD3	15	0.29
(1,4718)	1:87:B:LEU:HD22	1:14:A:ILE:HB	16	0.29
(1,4718)	1:87:B:LEU:HD22	1:14:A:ILE:HB	20	0.29
(1,4717)	1:87:A:LEU:HD22	1:14:B:ILE:HB	16	0.29
(1,4717)	1:87:A:LEU:HD22	1:14:B:ILE:HB	20	0.29
(1,4703)	1:67:A:LEU:H	1:67:A:LEU:HD22	15	0.29
(1,4640)	1:88:B:ALA:HA	1:14:A:ILE:HG12	18	0.29
(1,4639)	1:88:A:ALA:HA	1:14:B:ILE:HG12	18	0.29
(1,4620)	1:68:B:ASP:HB2	1:65:B:LYS:HA	6	0.29
(1,4620)	1:68:B:ASP:HB2	1:65:B:LYS:HA	16	0.29
(1,4619)	1:68:A:ASP:HB2	1:65:A:LYS:HA	16	0.29
(1,4601)	1:99:A:VAL:HG11	1:99:A:VAL:HA	18	0.29
(1,4552)	1:83:B:LEU:HD11	1:64:B:MET:H	19	0.29
(1,4551)	1:83:A:LEU:HD11	1:64:A:MET:H	19	0.29
(1,4548)	1:50:B:PHE:HB2	1:47:B:LEU:HD22	3	0.29
(1,4547)	1:50:A:PHE:HB2	1:47:A:LEU:HD22	3	0.29
(1,4496)	1:38:B:GLU:HA	1:34:B:LEU:HD21	16	0.29
(1,4495)	1:38:A:GLU:HA	1:34:A:LEU:HD21	16	0.29
(1,4439)	1:49:A:ALA:HB2	1:50:A:PHE:HB2	16	0.29
(1,4428)	1:83:B:LEU:HD12	1:87:B:LEU:H	3	0.29
(1,4427)	1:83:A:LEU:HD12	1:87:A:LEU:H	3	0.29
(1,4424)	1:40:B:LEU:HG	1:36:B:LYS:HA	2	0.29
(1,4423)	1:40:A:LEU:HG	1:36:A:LYS:HA	2	0.29
(1,4266)	1:21:B:PHE:HB2	1:20:B:VAL:HG23	10	0.29
(1,4265)	1:21:A:PHE:HB2	1:20:A:VAL:HG23	10	0.29
(1,4240)	1:53:B:ASN:HB2	1:52:B:LYS:HB2	19	0.29
(1,4239)	1:53:A:ASN:HB2	1:52:A:LYS:HB2	19	0.29
(1,4234)	1:68:B:ASP:HB2	1:65:B:LYS:HD3	15	0.29
(1,4233)	1:68:A:ASP:HB2	1:65:A:LYS:HD3	15	0.29
(1,4215)	1:94:A:SER:HB2	1:90:A:ALA:HB2	1	0.29
(1,4184)	1:13:B:CYS:HA	1:17:B:LEU:HG	7	0.29
(1,4184)	1:13:B:CYS:HA	1:17:B:LEU:HG	9	0.29
(1,4184)	1:13:B:CYS:HA	1:17:B:LEU:HG	10	0.29
(1,4184)	1:13:B:CYS:HA	1:17:B:LEU:HG	12	0.29
(1,4184)	1:13:B:CYS:HA	1:17:B:LEU:HG	14	0.29
(1,4183)	1:13:A:CYS:HA	1:17:A:LEU:HG	2	0.29
(1,4183)	1:13:A:CYS:HA	1:17:A:LEU:HG	7	0.29
(1,4183)	1:13:A:CYS:HA	1:17:A:LEU:HG	10	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4183)	1:13:A:CYS:HA	1:17:A:LEU:HG	12	0.29
(1,4183)	1:13:A:CYS:HA	1:17:A:LEU:HG	14	0.29
(1,4178)	1:20:B:VAL:HG21	1:19:B:ALA:H	6	0.29
(1,4178)	1:8:B:THR:HG21	1:46:A:GLU:H	14	0.29
(1,4177)	1:20:A:VAL:HG21	1:19:A:ALA:H	6	0.29
(1,4162)	1:22:B:GLN:HA	1:26:B:GLY:HA3	11	0.29
(1,4161)	1:22:A:GLN:HA	1:26:A:GLY:HA3	11	0.29
(1,4154)	1:82:B:ASN:HA	1:81:B:LEU:HB2	7	0.29
(1,4154)	1:82:B:ASN:HA	1:81:B:LEU:HB2	20	0.29
(1,4153)	1:82:A:ASN:HA	1:81:A:LEU:HB2	4	0.29
(1,4153)	1:82:A:ASN:HA	1:81:A:LEU:HB2	7	0.29
(1,4066)	1:44:B:ASN:HB3	1:60:B:LEU:HD13	11	0.29
(1,4065)	1:44:A:ASN:HB3	1:60:A:LEU:HD13	11	0.29
(1,4059)	1:66:A:LYS:H	1:65:A:LYS:HG2	8	0.29
(1,4034)	1:21:B:PHE:H	1:19:B:ALA:HA	10	0.29
(1,4033)	1:21:A:PHE:H	1:19:A:ALA:HA	10	0.29
(1,4026)	1:60:B:LEU:HD11	1:44:B:ASN:HB2	4	0.29
(1,4025)	1:60:A:LEU:HD11	1:44:A:ASN:HB2	4	0.29
(1,4023)	1:83:A:LEU:HB3	1:82:A:ASN:HB2	1	0.29
(1,3972)	1:34:B:LEU:HD13	1:80:B:PHE:HB3	4	0.29
(1,3971)	1:34:A:LEU:HD12	1:80:A:PHE:HB3	2	0.29
(1,3971)	1:34:A:LEU:HD13	1:80:A:PHE:HB3	4	0.29
(1,3936)	1:82:B:ASN:HB3	1:66:B:LYS:HD2	5	0.29
(1,3936)	1:82:B:ASN:HB3	1:66:B:LYS:HD2	15	0.29
(1,3935)	1:82:A:ASN:HB3	1:66:A:LYS:HD2	15	0.29
(1,3930)	1:74:B:GLN:HA	1:34:B:LEU:HB3	8	0.29
(1,3906)	1:12:B:ARG:HG3	1:10:B:THR:HA	2	0.29
(1,3905)	1:12:A:ARG:HG3	1:10:A:THR:HA	2	0.29
(1,3888)	1:14:B:ILE:HA	1:13:B:CYS:HA	14	0.29
(1,3888)	1:14:B:ILE:HA	1:13:B:CYS:HA	15	0.29
(1,3888)	1:14:B:ILE:HA	1:13:B:CYS:HA	20	0.29
(1,3887)	1:14:A:ILE:HA	1:13:A:CYS:HA	14	0.29
(1,3887)	1:14:A:ILE:HA	1:13:A:CYS:HA	15	0.29
(1,3887)	1:14:A:ILE:HA	1:13:A:CYS:HA	17	0.29
(1,3887)	1:14:A:ILE:HA	1:13:A:CYS:HA	20	0.29
(1,3880)	1:69:B:THR:HB	1:82:B:ASN:HB3	18	0.29
(1,3879)	1:69:A:THR:HB	1:82:A:ASN:HB3	18	0.29
(1,3858)	1:47:B:LEU:HA	1:50:B:PHE:HA	2	0.29
(1,3858)	1:47:B:LEU:HA	1:50:B:PHE:HA	16	0.29
(1,3857)	1:47:A:LEU:HA	1:50:A:PHE:HA	2	0.29
(1,3857)	1:47:A:LEU:HA	1:50:A:PHE:HA	16	0.29
(1,3842)	1:89:B:MET:HG3	1:86:B:GLY:H	20	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3841)	1:89:A:MET:HG3	1:86:A:GLY:H	20	0.29
(1,3834)	1:17:B:LEU:HD12	1:14:B:ILE:H	3	0.29
(1,3833)	1:17:A:LEU:HD12	1:14:A:ILE:H	3	0.29
(1,3793)	1:74:A:GLN:HA	1:64:A:MET:HG2	17	0.29
(1,3740)	1:11:B:GLU:HB2	1:8:B:THR:HB	1	0.29
(1,3739)	1:11:A:GLU:HB2	1:8:A:THR:HB	1	0.29
(1,3731)	1:25:A:ALA:HB3	1:35:A:SER:HB2	9	0.29
(1,3708)	1:49:B:ALA:HB1	1:11:A:GLU:HG3	3	0.29
(1,3707)	1:49:A:ALA:HB1	1:11:B:GLU:HG3	3	0.29
(1,3691)	1:13:A:CYS:HB2	1:17:B:LEU:HB3	11	0.29
(1,3691)	1:13:A:CYS:HB2	1:17:B:LEU:HB3	19	0.29
(1,3630)	1:63:B:MET:HG3	1:64:B:MET:HA	5	0.29
(1,3629)	1:63:A:MET:HG3	1:64:A:MET:HA	5	0.29
(1,3596)	1:13:B:CYS:HB2	1:20:A:VAL:HG13	2	0.29
(1,3596)	1:13:B:CYS:HB2	1:20:A:VAL:HG13	14	0.29
(1,3596)	1:13:B:CYS:HB2	1:20:A:VAL:HG12	20	0.29
(1,3595)	1:13:A:CYS:HB2	1:20:B:VAL:HG13	14	0.29
(1,3595)	1:13:A:CYS:HB2	1:20:B:VAL:HG12	20	0.29
(1,3578)	1:51:B:THR:HB	1:44:B:ASN:HB3	13	0.29
(1,3578)	1:51:B:THR:HB	1:44:B:ASN:HB3	20	0.29
(1,3577)	1:51:A:THR:HB	1:44:A:ASN:HB3	13	0.29
(1,3577)	1:51:A:THR:HB	1:44:A:ASN:HB3	20	0.29
(1,3540)	1:73:B:GLY:HA3	1:68:B:ASP:HB2	12	0.29
(1,3539)	1:73:A:GLY:HA3	1:68:A:ASP:HB2	12	0.29
(1,3529)	1:34:A:LEU:HB2	1:39:A:PHE:HA	15	0.29
(1,3528)	1:34:B:LEU:HB3	1:24:B:TYR:HB3	17	0.29
(1,3518)	1:51:B:THR:HB	1:44:B:ASN:HB2	3	0.29
(1,3517)	1:51:A:THR:HB	1:44:A:ASN:HB2	3	0.29
(1,3510)	1:7:B:PRO:HB2	1:12:B:ARG:HD2	4	0.29
(1,3509)	1:7:A:PRO:HB2	1:12:A:ARG:HD2	4	0.29
(1,3508)	1:46:B:GLU:HB3	1:45:B:THR:HB	17	0.29
(1,3491)	1:52:A:LYS:HG3	1:44:A:ASN:HB3	9	0.29
(1,3412)	1:22:B:GLN:HG3	1:100:A:PRO:HB2	19	0.29
(1,3408)	1:11:B:GLU:HB2	1:46:A:GLU:HA	19	0.29
(1,3382)	1:87:B:LEU:HD22	1:14:A:ILE:HB	16	0.29
(1,3382)	1:87:B:LEU:HD22	1:14:A:ILE:HB	20	0.29
(1,3381)	1:87:A:LEU:HD22	1:14:B:ILE:HB	16	0.29
(1,3381)	1:87:A:LEU:HD22	1:14:B:ILE:HB	20	0.29
(1,3379)	1:20:A:VAL:HG12	1:12:B:ARG:HG3	20	0.29
(1,3372)	1:10:B:THR:HG23	1:87:A:LEU:HD21	9	0.29
(1,3170)	1:23:B:LYS:H	1:23:B:LYS:HD3	1	0.29
(1,3170)	1:23:B:LYS:H	1:23:B:LYS:HD3	5	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3170)	1:23:B:LYS:H	1:23:B:LYS:HD3	6	0.29
(1,3169)	1:23:A:LYS:H	1:23:A:LYS:HD3	5	0.29
(1,3169)	1:23:A:LYS:H	1:23:A:LYS:HD3	6	0.29
(1,3056)	1:94:B:SER:H	1:93:B:ASP:HB2	5	0.29
(1,2885)	1:38:A:GLU:H	1:37:A:THR:HG23	10	0.29
(1,2716)	1:22:B:GLN:H	1:18:B:ILE:HG23	6	0.29
(1,2140)	1:27:B:LYS:HD3	1:27:B:LYS:HB3	2	0.29
(1,2031)	1:40:A:LEU:HD11	1:36:A:LYS:HE2	11	0.29
(1,1860)	1:100:B:PRO:HB3	1:96:B:LEU:HD11	4	0.29
(1,1859)	1:100:A:PRO:HB3	1:96:A:LEU:HD11	4	0.29
(1,1824)	1:63:B:MET:HB2	1:67:B:LEU:HD13	9	0.29
(1,1823)	1:63:A:MET:HB2	1:67:A:LEU:HD13	9	0.29
(1,1808)	1:10:B:THR:HA	1:10:B:THR:HG21	17	0.29
(1,1807)	1:10:A:THR:HA	1:10:A:THR:HG21	17	0.29
(1,1796)	1:63:B:MET:HG3	1:60:B:LEU:HD22	15	0.29
(1,1740)	1:23:B:LYS:HE2	1:8:A:THR:HB	3	0.29
(1,1708)	1:82:B:ASN:HB2	1:67:B:LEU:HD21	20	0.29
(1,1707)	1:82:A:ASN:HB2	1:67:A:LEU:HD21	20	0.29
(1,1681)	1:50:A:PHE:HB2	1:47:A:LEU:HD21	4	0.29
(1,1631)	1:60:A:LEU:H	1:59:A:VAL:HG23	19	0.29
(1,1580)	1:57:B:PRO:HD3	1:57:B:PRO:HB2	5	0.29
(1,1580)	1:57:B:PRO:HD3	1:57:B:PRO:HB2	7	0.29
(1,1580)	1:57:B:PRO:HD3	1:57:B:PRO:HB2	9	0.29
(1,1580)	1:57:B:PRO:HD3	1:57:B:PRO:HB2	12	0.29
(1,1580)	1:57:B:PRO:HD3	1:57:B:PRO:HB2	14	0.29
(1,1579)	1:57:A:PRO:HD3	1:57:A:PRO:HB2	5	0.29
(1,1579)	1:57:A:PRO:HD3	1:57:A:PRO:HB2	7	0.29
(1,1579)	1:57:A:PRO:HD3	1:57:A:PRO:HB2	9	0.29
(1,1579)	1:57:A:PRO:HD3	1:57:A:PRO:HB2	14	0.29
(1,1528)	1:65:B:LYS:H	1:64:B:MET:HG2	7	0.29
(1,1527)	1:65:A:LYS:H	1:64:A:MET:HG2	7	0.29
(1,1524)	1:52:B:LYS:HG2	1:51:B:THR:HG21	12	0.29
(1,1523)	1:52:A:LYS:HG2	1:51:A:THR:HG21	12	0.29
(1,1222)	1:89:B:MET:HG2	1:88:B:ALA:HB1	9	0.29
(1,1221)	1:89:A:MET:HG2	1:88:A:ALA:HB1	9	0.29
(1,1221)	1:89:A:MET:HG2	1:88:A:ALA:HB2	12	0.29
(1,1166)	1:81:B:LEU:HD21	1:80:B:PHE:HB3	19	0.29
(1,1165)	1:81:A:LEU:HD21	1:80:A:PHE:HB3	19	0.29
(1,1150)	1:94:B:SER:HB2	1:93:B:ASP:HB3	4	0.29
(1,1088)	1:84:B:ILE:H	1:81:B:LEU:HD22	3	0.29
(1,1088)	1:84:B:ILE:H	1:81:B:LEU:HD21	15	0.29
(1,1088)	1:84:B:ILE:H	1:81:B:LEU:HD21	20	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1087)	1:84:A:ILE:H	1:81:A:LEU:HD21	15	0.29
(1,1087)	1:84:A:ILE:H	1:81:A:LEU:HD21	20	0.29
(1,1060)	1:16:B:SER:HB3	1:19:B:ALA:HB1	1	0.29
(1,1059)	1:16:A:SER:HB3	1:19:A:ALA:HB1	1	0.29
(1,1006)	1:9:B:GLU:HG3	1:8:B:THR:HB	16	0.29
(1,986)	1:61:B:ASP:H	1:58:B:GLY:HA3	10	0.29
(1,986)	1:61:B:ASP:H	1:58:B:GLY:HA3	19	0.29
(1,985)	1:61:A:ASP:H	1:58:A:GLY:HA3	10	0.29
(1,985)	1:61:A:ASP:H	1:58:A:GLY:HA3	16	0.29
(1,985)	1:61:A:ASP:H	1:58:A:GLY:HA3	19	0.29
(1,954)	1:47:B:LEU:H	1:51:B:THR:HG21	13	0.29
(1,941)	1:18:A:ILE:HG23	1:15:A:GLU:HB3	2	0.29
(1,902)	1:40:B:LEU:HB3	1:37:B:THR:HG22	3	0.29
(1,902)	1:40:B:LEU:HB3	1:37:B:THR:HG23	18	0.29
(1,901)	1:40:A:LEU:HB3	1:37:A:THR:HG23	18	0.29
(1,855)	1:9:A:GLU:HG3	1:17:B:LEU:HD21	8	0.29
(1,794)	1:93:B:ASP:HB3	1:96:B:LEU:HD21	9	0.29
(1,793)	1:93:A:ASP:HB3	1:96:A:LEU:HD21	9	0.29
(1,716)	1:76:B:ASP:HA	1:77:B:PHE:HB2	18	0.29
(1,715)	1:76:A:ASP:HA	1:77:A:PHE:HB2	18	0.29
(1,713)	1:16:A:SER:HB3	1:17:A:LEU:HD23	5	0.29
(1,692)	1:15:B:GLU:HG2	1:16:B:SER:H	20	0.29
(1,674)	1:13:B:CYS:HB2	1:14:B:ILE:HG13	1	0.29
(1,673)	1:13:A:CYS:HB2	1:14:A:ILE:HG13	9	0.29
(1,650)	1:15:B:GLU:HG2	1:16:B:SER:H	15	0.29
(1,648)	1:14:B:ILE:HB	1:88:A:ALA:HB3	17	0.29
(1,647)	1:14:A:ILE:HB	1:88:B:ALA:HB3	12	0.29
(1,647)	1:14:A:ILE:HB	1:88:B:ALA:HB3	13	0.29
(1,622)	1:63:B:MET:H	1:62:B:ARG:HG2	15	0.29
(1,621)	1:63:A:MET:H	1:62:A:ARG:HG2	2	0.29
(1,421)	1:18:A:ILE:HG22	1:95:B:PHE:H	11	0.29
(1,364)	1:47:B:LEU:HD21	1:10:A:THR:H	3	0.29
(1,363)	1:47:A:LEU:HD21	1:10:B:THR:H	3	0.29
(1,254)	1:57:B:PRO:HD3	1:59:B:VAL:HG13	9	0.29
(1,132)	1:46:B:GLU:HB3	1:42:B:PHE:HA	17	0.29
(1,131)	1:46:A:GLU:HB3	1:42:A:PHE:HA	17	0.29
(1,56)	1:17:B:LEU:HD13	1:13:A:CYS:HB2	9	0.29
(1,55)	1:17:A:LEU:HD13	1:13:B:CYS:HB2	9	0.29
(1,42)	1:81:B:LEU:HD21	1:88:A:ALA:HB1	11	0.29
(1,41)	1:81:A:LEU:HD21	1:88:B:ALA:HB1	11	0.29
(2,124)	1:44:B:ASN:HB2	1:48:B:ALA:H	19	0.28
(2,86)	1:42:B:PHE:HB2	1:47:B:LEU:H	13	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,85)	1:42:A:PHE:HB2	1:47:A:LEU:H	13	0.28
(2,8)	1:89:B:MET:HG3	1:77:A:PHE:HB3	4	0.28
(1,5704)	1:81:B:LEU:H	1:81:B:LEU:HD21	16	0.28
(1,5703)	1:81:A:LEU:H	1:81:A:LEU:HD21	16	0.28
(1,5682)	1:87:B:LEU:H	1:87:B:LEU:HD11	11	0.28
(1,5678)	1:20:B:VAL:H	1:20:B:VAL:HB	19	0.28
(1,5677)	1:20:A:VAL:H	1:20:A:VAL:HB	19	0.28
(1,5540)	1:10:B:THR:H	1:20:A:VAL:HG21	16	0.28
(1,5530)	1:39:B:PHE:H	1:40:B:LEU:HD22	10	0.28
(1,5529)	1:39:A:PHE:H	1:40:A:LEU:HD22	10	0.28
(1,5502)	1:82:B:ASN:H	1:86:B:GLY:H	4	0.28
(1,5502)	1:82:B:ASN:H	1:86:B:GLY:H	10	0.28
(1,5502)	1:82:B:ASN:H	1:86:B:GLY:H	11	0.28
(1,5501)	1:82:A:ASN:H	1:86:A:GLY:H	4	0.28
(1,5501)	1:82:A:ASN:H	1:86:A:GLY:H	10	0.28
(1,5501)	1:82:A:ASN:H	1:86:A:GLY:H	11	0.28
(1,5464)	1:45:B:THR:H	1:46:B:GLU:HB2	14	0.28
(1,5412)	1:17:B:LEU:H	1:18:B:ILE:HB	7	0.28
(1,5412)	1:17:B:LEU:H	1:18:B:ILE:HB	14	0.28
(1,5411)	1:17:A:LEU:H	1:18:A:ILE:HB	7	0.28
(1,5390)	1:23:B:LYS:H	1:23:B:LYS:HE2	14	0.28
(1,5366)	1:92:B:HIS:H	1:89:B:MET:HG3	17	0.28
(1,5365)	1:92:A:HIS:H	1:89:A:MET:HG3	9	0.28
(1,5365)	1:92:A:HIS:H	1:89:A:MET:HG3	17	0.28
(1,5356)	1:19:B:ALA:H	1:17:B:LEU:HB2	17	0.28
(1,5355)	1:19:A:ALA:H	1:17:A:LEU:HB2	17	0.28
(1,5351)	1:41:A:SER:H	1:42:A:PHE:HB2	16	0.28
(1,5336)	1:45:B:THR:H	1:46:B:GLU:HA	1	0.28
(1,5336)	1:45:B:THR:H	1:46:B:GLU:HA	10	0.28
(1,5336)	1:45:B:THR:H	1:46:B:GLU:HA	18	0.28
(1,5335)	1:45:A:THR:H	1:46:A:GLU:HA	1	0.28
(1,5335)	1:45:A:THR:H	1:46:A:GLU:HA	6	0.28
(1,5296)	1:76:B:ASP:H	1:33:B:THR:HB	7	0.28
(1,5295)	1:76:A:ASP:H	1:33:A:THR:HB	7	0.28
(1,5276)	1:94:B:SER:H	1:96:B:LEU:HD22	7	0.28
(1,5275)	1:94:A:SER:H	1:96:A:LEU:HD22	7	0.28
(1,5242)	1:81:B:LEU:H	1:77:B:PHE:H	8	0.28
(1,5241)	1:81:A:LEU:H	1:77:A:PHE:H	8	0.28
(1,5236)	1:28:B:ASP:H	1:25:B:ALA:HB3	20	0.28
(1,5235)	1:28:A:ASP:H	1:25:A:ALA:HB3	20	0.28
(1,5202)	1:40:B:LEU:H	1:64:B:MET:HG3	11	0.28
(1,5201)	1:40:A:LEU:H	1:64:A:MET:HG3	11	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5131)	1:66:A:LYS:HB2	1:66:A:LYS:HG3	5	0.28
(1,5131)	1:66:A:LYS:HB2	1:66:A:LYS:HG3	17	0.28
(1,5122)	1:52:B:LYS:HB2	1:52:B:LYS:HG3	1	0.28
(1,5122)	1:52:B:LYS:HB2	1:52:B:LYS:HG3	19	0.28
(1,5121)	1:52:A:LYS:HB2	1:52:A:LYS:HG3	1	0.28
(1,5121)	1:52:A:LYS:HB2	1:52:A:LYS:HG3	19	0.28
(1,5120)	1:40:B:LEU:HG	1:40:B:LEU:HD22	10	0.28
(1,5119)	1:40:A:LEU:HG	1:40:A:LEU:HD22	10	0.28
(1,5102)	1:37:B:THR:HA	1:37:B:THR:HG22	3	0.28
(1,5102)	1:37:B:THR:HA	1:37:B:THR:HG21	14	0.28
(1,5101)	1:37:A:THR:HA	1:37:A:THR:HG22	3	0.28
(1,5100)	1:17:B:LEU:HD21	1:17:B:LEU:HB3	11	0.28
(1,5100)	1:17:B:LEU:HD22	1:17:B:LEU:HB3	17	0.28
(1,5099)	1:17:A:LEU:HD21	1:17:A:LEU:HB3	11	0.28
(1,5099)	1:17:A:LEU:HD22	1:17:A:LEU:HB3	17	0.28
(1,5061)	1:66:A:LYS:HG3	1:66:A:LYS:HA	13	0.28
(1,5030)	1:65:B:LYS:HG2	1:65:B:LYS:HA	16	0.28
(1,5029)	1:65:A:LYS:HG2	1:65:A:LYS:HA	16	0.28
(1,4933)	1:66:A:LYS:H	1:66:A:LYS:HB3	9	0.28
(1,4897)	1:88:A:ALA:HB3	1:17:B:LEU:HD13	18	0.28
(1,4884)	1:68:B:ASP:HA	1:33:B:THR:HG21	4	0.28
(1,4883)	1:68:A:ASP:HA	1:33:A:THR:HG21	4	0.28
(1,4862)	1:68:B:ASP:HA	1:33:B:THR:HG21	4	0.28
(1,4861)	1:68:A:ASP:HA	1:33:A:THR:HG21	4	0.28
(1,4856)	1:25:B:ALA:HA	1:34:B:LEU:HD22	5	0.28
(1,4856)	1:25:B:ALA:HA	1:34:B:LEU:HD23	9	0.28
(1,4855)	1:25:A:ALA:HA	1:34:A:LEU:HD22	5	0.28
(1,4855)	1:25:A:ALA:HA	1:34:A:LEU:HD23	9	0.28
(1,4780)	1:14:B:ILE:HD11	1:88:A:ALA:HA	3	0.28
(1,4779)	1:14:A:ILE:HD11	1:88:B:ALA:HA	3	0.28
(1,4779)	1:14:A:ILE:HD12	1:88:B:ALA:HA	11	0.28
(1,4755)	1:37:A:THR:HG21	1:27:A:LYS:HD3	15	0.28
(1,4710)	1:15:B:GLU:HB3	1:18:B:ILE:HB	1	0.28
(1,4709)	1:15:A:GLU:HB3	1:18:A:ILE:HB	1	0.28
(1,4676)	1:89:B:MET:HG3	1:78:A:SER:HB3	6	0.28
(1,4640)	1:88:B:ALA:HA	1:14:A:ILE:HG12	17	0.28
(1,4639)	1:88:A:ALA:HA	1:14:B:ILE:HG12	17	0.28
(1,4630)	1:36:B:LYS:HE2	1:39:B:PHE:HB3	6	0.28
(1,4629)	1:36:A:LYS:HE2	1:39:A:PHE:HB3	6	0.28
(1,4602)	1:99:B:VAL:HG13	1:99:B:VAL:HA	6	0.28
(1,4602)	1:99:B:VAL:HG12	1:99:B:VAL:HA	10	0.28
(1,4602)	1:99:B:VAL:HG13	1:99:B:VAL:HA	12	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4602)	1:99:B:VAL:HG12	1:99:B:VAL:HA	13	0.28
(1,4602)	1:99:B:VAL:HG12	1:99:B:VAL:HA	16	0.28
(1,4602)	1:99:B:VAL:HG11	1:99:B:VAL:HA	18	0.28
(1,4601)	1:99:A:VAL:HG13	1:99:A:VAL:HA	6	0.28
(1,4601)	1:99:A:VAL:HG12	1:99:A:VAL:HA	10	0.28
(1,4601)	1:99:A:VAL:HG13	1:99:A:VAL:HA	12	0.28
(1,4601)	1:99:A:VAL:HG12	1:99:A:VAL:HA	13	0.28
(1,4601)	1:99:A:VAL:HG12	1:99:A:VAL:HA	16	0.28
(1,4601)	1:99:A:VAL:HG13	1:99:A:VAL:HA	17	0.28
(1,4577)	1:65:A:LYS:HD2	1:68:A:ASP:HA	5	0.28
(1,4565)	1:65:A:LYS:HD2	1:68:A:ASP:HA	5	0.28
(1,4536)	1:64:B:MET:HG3	1:75:B:LEU:HD21	16	0.28
(1,4535)	1:64:A:MET:HG3	1:75:A:LEU:HD21	16	0.28
(1,4470)	1:33:B:THR:HG22	1:79:B:GLU:H	7	0.28
(1,4470)	1:33:B:THR:HG21	1:79:B:GLU:H	20	0.28
(1,4469)	1:33:A:THR:HG21	1:79:A:GLU:H	20	0.28
(1,4440)	1:49:B:ALA:HB3	1:50:B:PHE:HB2	10	0.28
(1,4428)	1:83:B:LEU:HD11	1:87:B:LEU:H	10	0.28
(1,4428)	1:83:B:LEU:HD13	1:87:B:LEU:H	12	0.28
(1,4427)	1:83:A:LEU:HD11	1:87:A:LEU:H	10	0.28
(1,4423)	1:40:A:LEU:HG	1:36:A:LYS:HA	4	0.28
(1,4416)	1:13:B:CYS:H	1:12:B:ARG:HB3	16	0.28
(1,4415)	1:13:A:CYS:H	1:12:A:ARG:HB3	16	0.28
(1,4368)	1:44:B:ASN:HA	1:60:B:LEU:HD11	2	0.28
(1,4367)	1:44:A:ASN:HA	1:60:A:LEU:HD11	2	0.28
(1,4319)	1:65:A:LYS:HD2	1:68:A:ASP:HA	5	0.28
(1,4318)	1:67:B:LEU:HD22	1:63:B:MET:HG3	11	0.28
(1,4318)	1:67:B:LEU:HD22	1:63:B:MET:HG3	13	0.28
(1,4317)	1:67:A:LEU:HD22	1:63:A:MET:HG3	11	0.28
(1,4317)	1:67:A:LEU:HD22	1:63:A:MET:HG3	13	0.28
(1,4278)	1:16:B:SER:HA	1:15:B:GLU:HB2	14	0.28
(1,4277)	1:16:A:SER:HA	1:15:A:GLU:HB2	14	0.28
(1,4262)	1:63:B:MET:HG2	1:59:B:VAL:HA	16	0.28
(1,4261)	1:63:A:MET:HG2	1:59:A:VAL:HA	16	0.28
(1,4198)	1:60:B:LEU:HD12	1:44:B:ASN:HB2	8	0.28
(1,4184)	1:13:B:CYS:HA	1:17:B:LEU:HG	2	0.28
(1,4184)	1:13:B:CYS:HA	1:17:B:LEU:HG	18	0.28
(1,4184)	1:13:B:CYS:HA	1:17:B:LEU:HG	20	0.28
(1,4183)	1:13:A:CYS:HA	1:17:A:LEU:HG	18	0.28
(1,4183)	1:13:A:CYS:HA	1:17:A:LEU:HG	20	0.28
(1,4177)	1:8:A:THR:HG22	1:46:B:GLU:H	7	0.28
(1,4177)	1:8:A:THR:HG21	1:46:B:GLU:H	14	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:67:B:LEU:HD21	1:64:B:MET:HA	1	0.28
(1,4173)	1:67:A:LEU:HD21	1:64:A:MET:HA	1	0.28
(1,4162)	1:22:B:GLN:HA	1:26:B:GLY:HA3	4	0.28
(1,4161)	1:22:A:GLN:HA	1:26:A:GLY:HA3	4	0.28
(1,4154)	1:82:B:ASN:HA	1:81:B:LEU:HB2	4	0.28
(1,4153)	1:82:A:ASN:HA	1:81:A:LEU:HB2	20	0.28
(1,4149)	1:13:A:CYS:HB2	1:17:B:LEU:HG	11	0.28
(1,4076)	1:53:B:ASN:HA	1:52:B:LYS:HB2	14	0.28
(1,4075)	1:53:A:ASN:HA	1:52:A:LYS:HB2	14	0.28
(1,4060)	1:66:B:LYS:H	1:65:B:LYS:HG2	8	0.28
(1,4054)	1:68:B:ASP:HA	1:69:B:THR:HA	3	0.28
(1,4018)	1:60:B:LEU:HD11	1:44:B:ASN:HB2	4	0.28
(1,4017)	1:60:A:LEU:HD11	1:44:A:ASN:HB2	4	0.28
(1,4004)	1:51:B:THR:HB	1:50:B:PHE:HB3	3	0.28
(1,3952)	1:15:B:GLU:HA	1:14:B:ILE:HA	6	0.28
(1,3952)	1:15:B:GLU:HA	1:18:B:ILE:HA	15	0.28
(1,3952)	1:15:B:GLU:HA	1:14:B:ILE:HA	18	0.28
(1,3951)	1:15:A:GLU:HA	1:14:A:ILE:HA	6	0.28
(1,3951)	1:15:A:GLU:HA	1:18:A:ILE:HA	15	0.28
(1,3951)	1:15:A:GLU:HA	1:14:A:ILE:HA	18	0.28
(1,3940)	1:75:B:LEU:HD12	1:67:B:LEU:H	9	0.28
(1,3939)	1:75:A:LEU:HD12	1:67:A:LEU:H	9	0.28
(1,3929)	1:74:A:GLN:HA	1:34:A:LEU:HB3	8	0.28
(1,3916)	1:10:B:THR:HB	1:47:A:LEU:HD21	10	0.28
(1,3915)	1:10:A:THR:HB	1:47:B:LEU:HD21	10	0.28
(1,3906)	1:12:B:ARG:HG3	1:10:B:THR:HA	20	0.28
(1,3905)	1:12:A:ARG:HG3	1:10:A:THR:HA	20	0.28
(1,3876)	1:33:B:THR:HG22	1:79:B:GLU:H	7	0.28
(1,3876)	1:33:B:THR:HG21	1:79:B:GLU:H	20	0.28
(1,3875)	1:33:A:THR:HG21	1:79:A:GLU:H	20	0.28
(1,3820)	1:47:B:LEU:HD11	1:43:B:MET:H	9	0.28
(1,3819)	1:47:A:LEU:HD11	1:43:A:MET:H	9	0.28
(1,3794)	1:74:B:GLN:HA	1:64:B:MET:HG2	17	0.28
(1,3740)	1:11:B:GLU:HB2	1:8:B:THR:HB	10	0.28
(1,3739)	1:11:A:GLU:HB2	1:8:A:THR:HB	10	0.28
(1,3711)	1:83:A:LEU:HB2	1:87:A:LEU:HD13	7	0.28
(1,3692)	1:13:B:CYS:HB2	1:17:A:LEU:HB3	11	0.28
(1,3654)	1:8:B:THR:HB	1:10:B:THR:HA	15	0.28
(1,3638)	1:34:B:LEU:HB3	1:24:B:TYR:HB3	5	0.28
(1,3637)	1:34:A:LEU:HB3	1:24:A:TYR:HB3	5	0.28
(1,3629)	1:63:A:MET:HG3	1:64:A:MET:HA	12	0.28
(1,3619)	1:97:A:LYS:HG2	1:93:A:ASP:HB3	14	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3606)	1:77:B:PHE:HB3	1:88:A:ALA:HB1	16	0.28
(1,3605)	1:77:A:PHE:HB3	1:88:B:ALA:HB1	16	0.28
(1,3595)	1:13:A:CYS:HB2	1:20:B:VAL:HG13	2	0.28
(1,3588)	1:76:B:ASP:HB2	1:77:B:PHE:HB3	7	0.28
(1,3587)	1:76:A:ASP:HB2	1:77:A:PHE:HB3	7	0.28
(1,3587)	1:76:A:ASP:HB2	1:77:A:PHE:HB3	12	0.28
(1,3583)	1:77:A:PHE:HB2	1:79:A:GLU:H	5	0.28
(1,3530)	1:34:B:LEU:HB2	1:39:B:PHE:HA	11	0.28
(1,3529)	1:34:A:LEU:HB2	1:39:A:PHE:HA	11	0.28
(1,3527)	1:34:A:LEU:HB3	1:24:A:TYR:HB3	17	0.28
(1,3507)	1:46:A:GLU:HB3	1:45:A:THR:HB	17	0.28
(1,3468)	1:75:B:LEU:HB3	1:33:B:THR:HA	16	0.28
(1,3434)	1:42:B:PHE:HA	1:46:B:GLU:HA	15	0.28
(1,3433)	1:42:A:PHE:HA	1:46:A:GLU:HA	15	0.28
(1,3428)	1:62:B:ARG:HD2	1:59:B:VAL:HG11	10	0.28
(1,3427)	1:62:A:ARG:HD2	1:59:A:VAL:HG11	10	0.28
(1,3407)	1:11:A:GLU:HB2	1:46:B:GLU:HA	19	0.28
(1,3403)	1:9:A:GLU:HB2	1:16:B:SER:HB3	15	0.28
(1,3380)	1:20:B:VAL:HG12	1:12:A:ARG:HG3	20	0.28
(1,3354)	1:84:B:ILE:HG22	1:17:A:LEU:HD11	8	0.28
(1,3170)	1:23:B:LYS:H	1:23:B:LYS:HD3	2	0.28
(1,3170)	1:23:B:LYS:H	1:23:B:LYS:HD3	4	0.28
(1,3170)	1:23:B:LYS:H	1:23:B:LYS:HD3	19	0.28
(1,3169)	1:23:A:LYS:H	1:23:A:LYS:HD3	2	0.28
(1,3169)	1:23:A:LYS:H	1:23:A:LYS:HD3	4	0.28
(1,3169)	1:23:A:LYS:H	1:23:A:LYS:HD3	8	0.28
(1,3169)	1:23:A:LYS:H	1:23:A:LYS:HD3	19	0.28
(1,3056)	1:94:B:SER:H	1:93:B:ASP:HB2	9	0.28
(1,3056)	1:94:B:SER:H	1:93:B:ASP:HB2	18	0.28
(1,3055)	1:94:A:SER:H	1:93:A:ASP:HB2	1	0.28
(1,3055)	1:94:A:SER:H	1:93:A:ASP:HB2	9	0.28
(1,2886)	1:38:B:GLU:H	1:37:B:THR:HG23	10	0.28
(1,2754)	1:38:B:GLU:H	1:34:B:LEU:HD21	14	0.28
(1,2753)	1:38:A:GLU:H	1:34:A:LEU:HD21	14	0.28
(1,2518)	1:41:B:SER:H	1:34:B:LEU:HD22	20	0.28
(1,2517)	1:41:A:SER:H	1:34:A:LEU:HD21	11	0.28
(1,2280)	1:12:B:ARG:HB2	1:12:B:ARG:HD3	14	0.28
(1,2279)	1:12:A:ARG:HB2	1:12:A:ARG:HD3	6	0.28
(1,2279)	1:12:A:ARG:HB2	1:12:A:ARG:HD3	14	0.28
(1,2139)	1:27:A:LYS:HD3	1:27:A:LYS:HB3	2	0.28
(1,1943)	1:42:A:PHE:HA	1:27:A:LYS:HE2	16	0.28
(1,1862)	1:66:B:LYS:HG2	1:67:B:LEU:HD21	4	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1861)	1:66:A:LYS:HG2	1:67:A:LEU:HD21	4	0.28
(1,1822)	1:11:B:GLU:HG3	1:11:B:GLU:HA	13	0.28
(1,1821)	1:11:A:GLU:HG3	1:11:A:GLU:HA	13	0.28
(1,1740)	1:23:B:LYS:HE2	1:8:A:THR:HB	4	0.28
(1,1682)	1:50:B:PHE:HB2	1:47:B:LEU:HD22	5	0.28
(1,1681)	1:50:A:PHE:HB2	1:47:A:LEU:HD22	5	0.28
(1,1580)	1:57:B:PRO:HD3	1:57:B:PRO:HB2	6	0.28
(1,1579)	1:57:A:PRO:HD3	1:57:A:PRO:HB2	6	0.28
(1,1579)	1:57:A:PRO:HD3	1:57:A:PRO:HB2	12	0.28
(1,1308)	1:75:B:LEU:HD13	1:75:B:LEU:HA	9	0.28
(1,1307)	1:75:A:LEU:HD13	1:75:A:LEU:HA	9	0.28
(1,1238)	1:62:B:ARG:HB3	1:59:B:VAL:HA	9	0.28
(1,1237)	1:62:A:ARG:HB3	1:59:A:VAL:HA	9	0.28
(1,1165)	1:81:A:LEU:HD21	1:80:A:PHE:HB3	18	0.28
(1,1088)	1:84:B:ILE:H	1:81:B:LEU:HD23	10	0.28
(1,1088)	1:84:B:ILE:H	1:81:B:LEU:HD21	18	0.28
(1,1087)	1:84:A:ILE:H	1:81:A:LEU:HD23	10	0.28
(1,1087)	1:84:A:ILE:H	1:81:A:LEU:HD21	18	0.28
(1,1076)	1:7:B:PRO:HG2	1:12:B:ARG:HD3	16	0.28
(1,1076)	1:7:B:PRO:HG2	1:12:B:ARG:HD3	20	0.28
(1,1006)	1:9:B:GLU:HG2	1:8:B:THR:HB	1	0.28
(1,1006)	1:9:B:GLU:HG3	1:8:B:THR:HB	3	0.28
(1,1005)	1:9:A:GLU:HG2	1:8:A:THR:HB	1	0.28
(1,1005)	1:9:A:GLU:HG3	1:8:A:THR:HB	3	0.28
(1,1005)	1:9:A:GLU:HG3	1:8:A:THR:HB	16	0.28
(1,986)	1:61:B:ASP:H	1:58:B:GLY:HA3	16	0.28
(1,934)	1:97:B:LYS:HA	1:97:B:LYS:HE2	5	0.28
(1,933)	1:97:A:LYS:HA	1:97:A:LYS:HE2	5	0.28
(1,901)	1:40:A:LEU:HB3	1:37:A:THR:HG22	3	0.28
(1,884)	1:34:B:LEU:HB3	1:80:B:PHE:HB2	12	0.28
(1,883)	1:34:A:LEU:HB3	1:80:A:PHE:HB2	12	0.28
(1,856)	1:9:B:GLU:HG3	1:17:A:LEU:HD21	19	0.28
(1,687)	1:46:A:GLU:HG3	1:20:A:VAL:HG21	8	0.28
(1,674)	1:13:B:CYS:HB2	1:14:B:ILE:HG13	4	0.28
(1,674)	1:13:B:CYS:HB2	1:14:B:ILE:HG13	9	0.28
(1,673)	1:13:A:CYS:HB2	1:14:A:ILE:HG13	1	0.28
(1,673)	1:13:A:CYS:HB2	1:14:A:ILE:HG13	4	0.28
(1,648)	1:14:B:ILE:HB	1:88:A:ALA:HB2	7	0.28
(1,648)	1:14:B:ILE:HB	1:88:A:ALA:HB3	12	0.28
(1,622)	1:63:B:MET:H	1:62:B:ARG:HG2	2	0.28
(1,622)	1:63:B:MET:H	1:62:B:ARG:HG2	7	0.28
(1,621)	1:63:A:MET:H	1:62:A:ARG:HG2	15	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,302)	1:22:B:GLN:HB2	1:25:B:ALA:HB1	3	0.28
(1,190)	1:46:B:GLU:HG3	1:24:B:TYR:H	6	0.28
(1,190)	1:46:B:GLU:HG2	1:24:B:TYR:H	13	0.28
(1,189)	1:46:A:GLU:HG3	1:24:A:TYR:H	6	0.28
(1,92)	1:9:B:GLU:HB3	1:20:A:VAL:HG13	7	0.28
(1,76)	1:91:B:CYS:HB3	1:14:A:ILE:HG22	10	0.28
(1,75)	1:91:A:CYS:HB3	1:14:B:ILE:HG22	10	0.28
(1,70)	1:81:B:LEU:HD11	1:89:A:MET:HG2	8	0.28
(1,69)	1:81:A:LEU:HD11	1:89:B:MET:HG2	8	0.28
(1,56)	1:17:B:LEU:HD13	1:13:A:CYS:HB2	16	0.28
(2,123)	1:44:A:ASN:HB2	1:48:A:ALA:H	19	0.27
(2,92)	1:44:B:ASN:HB3	1:47:B:LEU:H	4	0.27
(2,91)	1:44:A:ASN:HB3	1:47:A:LEU:H	4	0.27
(1,5712)	1:42:B:PHE:H	1:39:B:PHE:HA	13	0.27
(1,5711)	1:42:A:PHE:H	1:39:A:PHE:HA	13	0.27
(1,5540)	1:10:B:THR:H	1:20:A:VAL:HG21	19	0.27
(1,5536)	1:23:B:LYS:H	1:22:B:GLN:HG3	17	0.27
(1,5535)	1:23:A:LYS:H	1:22:A:GLN:HG3	17	0.27
(1,5502)	1:82:B:ASN:H	1:86:B:GLY:H	3	0.27
(1,5502)	1:82:B:ASN:H	1:86:B:GLY:H	14	0.27
(1,5502)	1:82:B:ASN:H	1:86:B:GLY:H	18	0.27
(1,5501)	1:82:A:ASN:H	1:86:A:GLY:H	3	0.27
(1,5501)	1:82:A:ASN:H	1:86:A:GLY:H	18	0.27
(1,5463)	1:45:A:THR:H	1:46:A:GLU:HB2	14	0.27
(1,5458)	1:95:B:PHE:H	1:96:B:LEU:HD22	7	0.27
(1,5458)	1:95:B:PHE:H	1:96:B:LEU:HD21	14	0.27
(1,5457)	1:95:A:PHE:H	1:96:A:LEU:HD22	7	0.27
(1,5457)	1:95:A:PHE:H	1:96:A:LEU:HD21	14	0.27
(1,5413)	1:35:A:SER:H	1:36:A:LYS:H	6	0.27
(1,5412)	1:17:B:LEU:H	1:18:B:ILE:HB	10	0.27
(1,5411)	1:17:A:LEU:H	1:18:A:ILE:HB	10	0.27
(1,5411)	1:17:A:LEU:H	1:18:A:ILE:HB	14	0.27
(1,5389)	1:23:A:LYS:H	1:23:A:LYS:HE2	14	0.27
(1,5366)	1:92:B:HIS:H	1:89:B:MET:HG3	9	0.27
(1,5352)	1:41:B:SER:H	1:42:B:PHE:HB2	16	0.27
(1,5350)	1:26:B:GLY:H	1:22:B:GLN:HB3	1	0.27
(1,5349)	1:26:A:GLY:H	1:22:A:GLN:HB3	1	0.27
(1,5336)	1:45:B:THR:H	1:46:B:GLU:HA	20	0.27
(1,5335)	1:45:A:THR:H	1:46:A:GLU:HA	10	0.27
(1,5335)	1:45:A:THR:H	1:46:A:GLU:HA	18	0.27
(1,5335)	1:45:A:THR:H	1:46:A:GLU:HA	20	0.27
(1,5284)	1:98:B:ALA:H	1:96:B:LEU:HD12	13	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5283)	1:98:A:ALA:H	1:96:A:LEU:HD12	13	0.27
(1,5276)	1:94:B:SER:H	1:96:B:LEU:HD21	9	0.27
(1,5275)	1:94:A:SER:H	1:96:A:LEU:HD21	9	0.27
(1,5242)	1:81:B:LEU:H	1:77:B:PHE:H	12	0.27
(1,5242)	1:81:B:LEU:H	1:77:B:PHE:H	17	0.27
(1,5241)	1:81:A:LEU:H	1:77:A:PHE:H	12	0.27
(1,5241)	1:81:A:LEU:H	1:77:A:PHE:H	17	0.27
(1,5206)	1:44:B:ASN:H	1:60:B:LEU:HB2	18	0.27
(1,5206)	1:44:B:ASN:H	1:57:B:PRO:HB3	20	0.27
(1,5205)	1:44:A:ASN:H	1:60:A:LEU:HB2	18	0.27
(1,5205)	1:44:A:ASN:H	1:57:A:PRO:HB3	20	0.27
(1,5132)	1:66:B:LYS:HB2	1:66:B:LYS:HG3	17	0.27
(1,5122)	1:52:B:LYS:HB3	1:52:B:LYS:HG3	16	0.27
(1,5121)	1:52:A:LYS:HB3	1:52:A:LYS:HG3	16	0.27
(1,5120)	1:40:B:LEU:HG	1:40:B:LEU:HD21	19	0.27
(1,5119)	1:40:A:LEU:HG	1:40:A:LEU:HD21	19	0.27
(1,5112)	1:45:B:THR:HB	1:45:B:THR:HG21	9	0.27
(1,5112)	1:45:B:THR:HB	1:45:B:THR:HG23	15	0.27
(1,5111)	1:45:A:THR:HB	1:45:A:THR:HG21	9	0.27
(1,5111)	1:45:A:THR:HB	1:45:A:THR:HG23	15	0.27
(1,5110)	1:45:B:THR:HB	1:45:B:THR:HG23	15	0.27
(1,5109)	1:45:A:THR:HB	1:45:A:THR:HG23	15	0.27
(1,5102)	1:37:B:THR:HA	1:37:B:THR:HG22	2	0.27
(1,5101)	1:37:A:THR:HA	1:37:A:THR:HG22	2	0.27
(1,5100)	1:17:B:LEU:HD22	1:17:B:LEU:HB3	6	0.27
(1,5100)	1:17:B:LEU:HD21	1:17:B:LEU:HB3	14	0.27
(1,5100)	1:60:B:LEU:HB3	1:60:B:LEU:HD23	20	0.27
(1,5099)	1:17:A:LEU:HD21	1:17:A:LEU:HB3	5	0.27
(1,5099)	1:17:A:LEU:HD22	1:17:A:LEU:HB3	6	0.27
(1,5099)	1:17:A:LEU:HD21	1:17:A:LEU:HB3	14	0.27
(1,5062)	1:66:B:LYS:HG3	1:66:B:LYS:HA	13	0.27
(1,4962)	1:27:B:LYS:HB2	1:27:B:LYS:HA	14	0.27
(1,4961)	1:27:A:LYS:HB2	1:27:A:LYS:HA	14	0.27
(1,4934)	1:66:B:LYS:H	1:66:B:LYS:HB3	9	0.27
(1,4923)	1:65:A:LYS:HG2	1:65:A:LYS:HA	6	0.27
(1,4898)	1:88:B:ALA:HB1	1:17:A:LEU:HD11	1	0.27
(1,4897)	1:88:A:ALA:HB1	1:17:B:LEU:HD11	1	0.27
(1,4856)	1:25:B:ALA:HA	1:34:B:LEU:HD21	1	0.27
(1,4855)	1:25:A:ALA:HA	1:34:A:LEU:HD21	1	0.27
(1,4855)	1:25:A:ALA:HA	1:34:A:LEU:HD22	8	0.27
(1,4824)	1:67:B:LEU:HD11	1:83:B:LEU:HA	11	0.27
(1,4823)	1:67:A:LEU:HD11	1:83:A:LEU:HA	11	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4792)	1:37:B:THR:HA	1:40:B:LEU:HD21	20	0.27
(1,4791)	1:37:A:THR:HA	1:40:A:LEU:HD21	20	0.27
(1,4780)	1:14:B:ILE:HD12	1:88:A:ALA:HA	11	0.27
(1,4779)	1:14:A:ILE:HD12	1:88:B:ALA:HA	7	0.27
(1,4710)	1:15:B:GLU:HB3	1:18:B:ILE:HB	14	0.27
(1,4710)	1:15:B:GLU:HB3	1:18:B:ILE:HB	19	0.27
(1,4709)	1:15:A:GLU:HB3	1:18:A:ILE:HB	14	0.27
(1,4709)	1:15:A:GLU:HB3	1:18:A:ILE:HB	17	0.27
(1,4709)	1:15:A:GLU:HB3	1:18:A:ILE:HB	19	0.27
(1,4675)	1:89:A:MET:HG3	1:78:B:SER:HB3	6	0.27
(1,4602)	1:99:B:VAL:HG13	1:99:B:VAL:HA	1	0.27
(1,4602)	1:99:B:VAL:HG11	1:99:B:VAL:HA	2	0.27
(1,4602)	1:99:B:VAL:HG11	1:99:B:VAL:HA	3	0.27
(1,4602)	1:99:B:VAL:HG13	1:99:B:VAL:HA	5	0.27
(1,4602)	1:99:B:VAL:HG13	1:99:B:VAL:HA	7	0.27
(1,4602)	1:99:B:VAL:HG11	1:99:B:VAL:HA	8	0.27
(1,4602)	1:99:B:VAL:HG11	1:99:B:VAL:HA	11	0.27
(1,4602)	1:99:B:VAL:HG12	1:99:B:VAL:HA	14	0.27
(1,4602)	1:99:B:VAL:HG12	1:99:B:VAL:HA	15	0.27
(1,4602)	1:99:B:VAL:HG13	1:99:B:VAL:HA	17	0.27
(1,4602)	1:99:B:VAL:HG12	1:99:B:VAL:HA	19	0.27
(1,4602)	1:99:B:VAL:HG12	1:99:B:VAL:HA	20	0.27
(1,4601)	1:99:A:VAL:HG11	1:99:A:VAL:HA	2	0.27
(1,4601)	1:99:A:VAL:HG11	1:99:A:VAL:HA	3	0.27
(1,4601)	1:99:A:VAL:HG13	1:99:A:VAL:HA	5	0.27
(1,4601)	1:99:A:VAL:HG13	1:99:A:VAL:HA	7	0.27
(1,4601)	1:99:A:VAL:HG11	1:99:A:VAL:HA	8	0.27
(1,4601)	1:99:A:VAL:HG12	1:99:A:VAL:HA	14	0.27
(1,4601)	1:99:A:VAL:HG12	1:99:A:VAL:HA	15	0.27
(1,4601)	1:99:A:VAL:HG12	1:99:A:VAL:HA	19	0.27
(1,4601)	1:99:A:VAL:HG12	1:99:A:VAL:HA	20	0.27
(1,4578)	1:65:B:LYS:HD2	1:68:B:ASP:HA	5	0.27
(1,4566)	1:65:B:LYS:HD2	1:68:B:ASP:HA	5	0.27
(1,4558)	1:63:B:MET:HG2	1:60:B:LEU:HD22	6	0.27
(1,4557)	1:63:A:MET:HG2	1:60:A:LEU:HD22	6	0.27
(1,4496)	1:89:B:MET:HA	1:81:A:LEU:HD13	17	0.27
(1,4496)	1:89:B:MET:HA	1:81:A:LEU:HD13	20	0.27
(1,4495)	1:89:A:MET:HA	1:81:B:LEU:HD13	20	0.27
(1,4469)	1:33:A:THR:HG22	1:79:A:GLU:H	7	0.27
(1,4440)	1:49:B:ALA:HB1	1:50:B:PHE:HB2	1	0.27
(1,4440)	1:49:B:ALA:HB3	1:50:B:PHE:HB2	11	0.27
(1,4440)	1:49:B:ALA:HB2	1:50:B:PHE:HB2	16	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4439)	1:49:A:ALA:HB1	1:50:A:PHE:HB2	1	0.27
(1,4439)	1:49:A:ALA:HB3	1:50:A:PHE:HB2	6	0.27
(1,4439)	1:49:A:ALA:HB3	1:50:A:PHE:HB2	10	0.27
(1,4439)	1:49:A:ALA:HB3	1:50:A:PHE:HB2	11	0.27
(1,4428)	1:83:B:LEU:HD12	1:87:B:LEU:H	5	0.27
(1,4428)	1:83:B:LEU:HD12	1:87:B:LEU:H	6	0.27
(1,4427)	1:83:A:LEU:HD12	1:87:A:LEU:H	5	0.27
(1,4427)	1:83:A:LEU:HD13	1:87:A:LEU:H	12	0.27
(1,4424)	1:40:B:LEU:HG	1:36:B:LYS:HA	4	0.27
(1,4416)	1:13:B:CYS:H	1:12:B:ARG:HB2	7	0.27
(1,4415)	1:13:A:CYS:H	1:12:A:ARG:HB2	7	0.27
(1,4376)	1:74:B:GLN:H	1:33:B:THR:HG22	3	0.27
(1,4368)	1:44:B:ASN:HA	1:60:B:LEU:HD11	5	0.27
(1,4367)	1:44:A:ASN:HA	1:60:A:LEU:HD11	5	0.27
(1,4358)	1:48:B:ALA:HA	1:52:B:LYS:HB2	18	0.27
(1,4357)	1:48:A:ALA:HA	1:52:A:LYS:HB2	18	0.27
(1,4320)	1:65:B:LYS:HD2	1:68:B:ASP:HA	5	0.27
(1,4318)	1:67:B:LEU:HD21	1:63:B:MET:HG3	14	0.27
(1,4317)	1:67:A:LEU:HD21	1:63:A:MET:HG3	14	0.27
(1,4278)	1:16:B:SER:HA	1:15:B:GLU:HB2	8	0.27
(1,4277)	1:16:A:SER:HA	1:15:A:GLU:HB2	8	0.27
(1,4277)	1:16:A:SER:HA	1:15:A:GLU:HB2	16	0.27
(1,4238)	1:8:B:THR:HA	1:11:B:GLU:HB2	9	0.27
(1,4237)	1:8:A:THR:HA	1:11:A:GLU:HB2	9	0.27
(1,4197)	1:60:A:LEU:HD12	1:44:A:ASN:HB2	8	0.27
(1,4178)	1:8:B:THR:HG21	1:46:A:GLU:H	3	0.27
(1,4162)	1:22:B:GLN:HA	1:26:B:GLY:HA3	16	0.27
(1,4161)	1:22:A:GLN:HA	1:26:A:GLY:HA3	16	0.27
(1,4160)	1:42:B:PHE:HB3	1:43:B:MET:HB2	7	0.27
(1,4160)	1:42:B:PHE:HB3	1:43:B:MET:HB2	11	0.27
(1,4159)	1:42:A:PHE:HB3	1:43:A:MET:HB2	7	0.27
(1,4159)	1:42:A:PHE:HB3	1:43:A:MET:HB2	11	0.27
(1,4150)	1:13:B:CYS:HB2	1:17:A:LEU:HG	11	0.27
(1,4144)	1:58:B:GLY:HA3	1:61:B:ASP:HB3	11	0.27
(1,4124)	1:67:B:LEU:HA	1:66:B:LYS:HE3	9	0.27
(1,4103)	1:42:A:PHE:HA	1:20:A:VAL:HB	3	0.27
(1,4054)	1:68:B:ASP:HA	1:69:B:THR:HA	5	0.27
(1,4054)	1:68:B:ASP:HA	1:69:B:THR:HA	10	0.27
(1,4053)	1:68:A:ASP:HA	1:69:A:THR:HA	3	0.27
(1,4053)	1:68:A:ASP:HA	1:69:A:THR:HA	5	0.27
(1,4053)	1:68:A:ASP:HA	1:69:A:THR:HA	10	0.27
(1,4003)	1:51:A:THR:HB	1:50:A:PHE:HB3	3	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3952)	1:15:B:GLU:HA	1:14:B:ILE:HA	1	0.27
(1,3952)	1:15:B:GLU:HA	1:14:B:ILE:HA	4	0.27
(1,3952)	1:15:B:GLU:HA	1:14:B:ILE:HA	16	0.27
(1,3951)	1:15:A:GLU:HA	1:14:A:ILE:HA	1	0.27
(1,3951)	1:15:A:GLU:HA	1:14:A:ILE:HA	4	0.27
(1,3951)	1:15:A:GLU:HA	1:14:A:ILE:HA	16	0.27
(1,3930)	1:74:B:GLN:HA	1:34:B:LEU:HB3	4	0.27
(1,3902)	1:76:B:ASP:HA	1:34:B:LEU:HB2	6	0.27
(1,3902)	1:76:B:ASP:HA	1:77:B:PHE:HB3	13	0.27
(1,3901)	1:76:A:ASP:HA	1:34:A:LEU:HB2	6	0.27
(1,3901)	1:76:A:ASP:HA	1:77:A:PHE:HB3	13	0.27
(1,3886)	1:100:B:PRO:HG3	1:96:B:LEU:HG	1	0.27
(1,3885)	1:100:A:PRO:HG3	1:96:A:LEU:HG	1	0.27
(1,3880)	1:69:B:THR:HB	1:82:B:ASN:HB3	8	0.27
(1,3879)	1:69:A:THR:HB	1:82:A:ASN:HB3	8	0.27
(1,3875)	1:33:A:THR:HG22	1:79:A:GLU:H	7	0.27
(1,3854)	1:79:B:GLU:HA	1:81:B:LEU:HA	16	0.27
(1,3853)	1:79:A:GLU:HA	1:81:A:LEU:HA	16	0.27
(1,3842)	1:89:B:MET:HG3	1:86:B:GLY:H	18	0.27
(1,3842)	1:89:B:MET:HG3	1:86:B:GLY:H	19	0.27
(1,3841)	1:89:A:MET:HG3	1:86:A:GLY:H	18	0.27
(1,3841)	1:89:A:MET:HG3	1:86:A:GLY:H	19	0.27
(1,3834)	1:17:B:LEU:HD13	1:14:B:ILE:H	10	0.27
(1,3833)	1:17:A:LEU:HD13	1:14:A:ILE:H	10	0.27
(1,3808)	1:37:B:THR:HB	1:39:B:PHE:H	9	0.27
(1,3807)	1:37:A:THR:HB	1:39:A:PHE:H	9	0.27
(1,3800)	1:47:B:LEU:HA	1:87:B:LEU:HD21	11	0.27
(1,3799)	1:47:A:LEU:HA	1:87:A:LEU:HD21	11	0.27
(1,3712)	1:83:B:LEU:HB2	1:87:B:LEU:HD12	3	0.27
(1,3712)	1:83:B:LEU:HB2	1:87:B:LEU:HD13	7	0.27
(1,3711)	1:83:A:LEU:HB2	1:87:A:LEU:HD12	3	0.27
(1,3711)	1:83:A:LEU:HB2	1:87:A:LEU:HD12	19	0.27
(1,3683)	1:66:A:LYS:HB3	1:64:A:MET:HA	13	0.27
(1,3672)	1:7:B:PRO:HB2	1:8:B:THR:HB	15	0.27
(1,3671)	1:7:A:PRO:HB2	1:8:A:THR:HB	15	0.27
(1,3653)	1:8:A:THR:HB	1:10:A:THR:HA	15	0.27
(1,3630)	1:63:B:MET:HG3	1:64:B:MET:HA	12	0.27
(1,3620)	1:97:B:LYS:HG2	1:93:B:ASP:HB3	14	0.27
(1,3602)	1:64:B:MET:HB3	1:61:B:ASP:HB2	2	0.27
(1,3601)	1:64:A:MET:HB3	1:61:A:ASP:HB2	2	0.27
(1,3588)	1:76:B:ASP:HB2	1:77:B:PHE:HB3	12	0.27
(1,3584)	1:77:B:PHE:HB2	1:79:B:GLU:H	5	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3535)	1:18:A:ILE:HB	1:91:B:CYS:HB3	16	0.27
(1,3468)	1:75:B:LEU:HB3	1:33:B:THR:HA	18	0.27
(1,3467)	1:75:A:LEU:HB3	1:33:A:THR:HA	16	0.27
(1,3467)	1:75:A:LEU:HB3	1:33:A:THR:HA	18	0.27
(1,3433)	1:42:A:PHE:HA	1:46:A:GLU:HA	13	0.27
(1,3411)	1:22:A:GLN:HG3	1:100:B:PRO:HB2	19	0.27
(1,3408)	1:11:B:GLU:HB2	1:46:A:GLU:HA	11	0.27
(1,3404)	1:9:B:GLU:HB2	1:16:A:SER:HB3	15	0.27
(1,3390)	1:17:B:LEU:HD22	1:17:A:LEU:HD13	14	0.27
(1,3389)	1:17:A:LEU:HD22	1:17:B:LEU:HD13	14	0.27
(1,3388)	1:17:B:LEU:HD21	1:88:A:ALA:HB2	5	0.27
(1,3388)	1:17:B:LEU:HD21	1:88:A:ALA:HB3	7	0.27
(1,3387)	1:17:A:LEU:HD21	1:88:B:ALA:HB2	5	0.27
(1,3379)	1:20:A:VAL:HG13	1:12:B:ARG:HG3	19	0.27
(1,3170)	1:23:B:LYS:H	1:23:B:LYS:HD3	8	0.27
(1,3170)	1:23:B:LYS:H	1:23:B:LYS:HD3	10	0.27
(1,3170)	1:23:B:LYS:H	1:23:B:LYS:HD3	14	0.27
(1,3170)	1:23:B:LYS:H	1:23:B:LYS:HD3	15	0.27
(1,3170)	1:23:B:LYS:H	1:23:B:LYS:HD3	20	0.27
(1,3169)	1:23:A:LYS:H	1:23:A:LYS:HD3	10	0.27
(1,3169)	1:23:A:LYS:H	1:23:A:LYS:HD3	14	0.27
(1,3169)	1:23:A:LYS:H	1:23:A:LYS:HD3	15	0.27
(1,3169)	1:23:A:LYS:H	1:23:A:LYS:HD3	20	0.27
(1,3056)	1:94:B:SER:H	1:93:B:ASP:HB2	1	0.27
(1,3055)	1:94:A:SER:H	1:93:A:ASP:HB2	18	0.27
(1,2768)	1:80:B:PHE:H	1:75:B:LEU:HB2	7	0.27
(1,2725)	1:77:A:PHE:H	1:33:A:THR:HG21	11	0.27
(1,2723)	1:78:A:SER:H	1:81:A:LEU:HD11	19	0.27
(1,2716)	1:22:B:GLN:H	1:18:B:ILE:HG21	18	0.27
(1,2715)	1:22:A:GLN:H	1:18:A:ILE:HG21	18	0.27
(1,2702)	1:74:B:GLN:H	1:33:B:THR:HG21	19	0.27
(1,2701)	1:74:A:GLN:H	1:33:A:THR:HG21	19	0.27
(1,2592)	1:26:B:GLY:H	1:24:B:TYR:HB3	4	0.27
(1,2592)	1:26:B:GLY:H	1:24:B:TYR:HB3	9	0.27
(1,2592)	1:26:B:GLY:H	1:24:B:TYR:HB3	18	0.27
(1,2591)	1:26:A:GLY:H	1:24:A:TYR:HB3	4	0.27
(1,2591)	1:26:A:GLY:H	1:24:A:TYR:HB3	9	0.27
(1,2591)	1:26:A:GLY:H	1:24:A:TYR:HB3	18	0.27
(1,2518)	1:41:B:SER:H	1:34:B:LEU:HD21	11	0.27
(1,2517)	1:41:A:SER:H	1:34:A:LEU:HD22	20	0.27
(1,2456)	1:51:B:THR:H	1:87:B:LEU:HD22	3	0.27
(1,2455)	1:51:A:THR:H	1:87:A:LEU:HD22	3	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2280)	1:12:B:ARG:HB2	1:12:B:ARG:HD3	3	0.27
(1,2280)	1:12:B:ARG:HB2	1:12:B:ARG:HD3	6	0.27
(1,2279)	1:12:A:ARG:HB2	1:12:A:ARG:HD3	3	0.27
(1,2210)	1:97:B:LYS:HA	1:97:B:LYS:HG2	2	0.27
(1,2209)	1:97:A:LYS:HA	1:97:A:LYS:HG2	2	0.27
(1,1944)	1:42:B:PHE:HA	1:27:B:LYS:HE3	1	0.27
(1,1944)	1:42:B:PHE:HA	1:27:B:LYS:HE2	16	0.27
(1,1895)	1:19:A:ALA:HB3	1:9:B:GLU:HG2	10	0.27
(1,1858)	1:57:B:PRO:HD3	1:57:B:PRO:HA	2	0.27
(1,1857)	1:57:A:PRO:HD3	1:57:A:PRO:HA	2	0.27
(1,1848)	1:59:B:VAL:HG22	1:60:B:LEU:HA	9	0.27
(1,1823)	1:63:A:MET:HB2	1:67:A:LEU:HD11	2	0.27
(1,1808)	1:10:B:THR:HA	1:10:B:THR:HG22	19	0.27
(1,1807)	1:10:A:THR:HA	1:10:A:THR:HG22	19	0.27
(1,1708)	1:82:B:ASN:HB2	1:67:B:LEU:HD22	3	0.27
(1,1682)	1:50:B:PHE:HB2	1:47:B:LEU:HD23	9	0.27
(1,1681)	1:50:A:PHE:HB2	1:47:A:LEU:HD23	9	0.27
(1,1580)	1:57:B:PRO:HD3	1:57:B:PRO:HB2	1	0.27
(1,1580)	1:57:B:PRO:HD3	1:57:B:PRO:HB2	8	0.27
(1,1579)	1:57:A:PRO:HD3	1:57:A:PRO:HB2	1	0.27
(1,1579)	1:57:A:PRO:HD3	1:57:A:PRO:HB2	8	0.27
(1,1425)	1:47:A:LEU:HD12	1:50:A:PHE:HB3	15	0.27
(1,1398)	1:68:B:ASP:HB3	1:75:B:LEU:HD23	5	0.27
(1,1397)	1:68:A:ASP:HB3	1:75:A:LEU:HD23	5	0.27
(1,1308)	1:75:B:LEU:HD11	1:75:B:LEU:HA	20	0.27
(1,1307)	1:75:A:LEU:HD11	1:75:A:LEU:HA	20	0.27
(1,1166)	1:81:B:LEU:HD22	1:80:B:PHE:HB3	3	0.27
(1,1166)	1:81:B:LEU:HD21	1:80:B:PHE:HB3	18	0.27
(1,1165)	1:81:A:LEU:HD22	1:80:A:PHE:HB3	3	0.27
(1,1134)	1:33:B:THR:HB	1:74:B:GLN:HG2	19	0.27
(1,1075)	1:7:A:PRO:HG2	1:12:A:ARG:HD3	16	0.27
(1,1075)	1:7:A:PRO:HG2	1:12:A:ARG:HD3	20	0.27
(1,1006)	1:9:B:GLU:HG3	1:8:B:THR:HB	11	0.27
(1,986)	1:61:B:ASP:H	1:58:B:GLY:HA3	2	0.27
(1,985)	1:61:A:ASP:H	1:58:A:GLY:HA3	2	0.27
(1,954)	1:47:B:LEU:H	1:51:B:THR:HG21	20	0.27
(1,953)	1:47:A:LEU:H	1:51:A:THR:HG21	20	0.27
(1,884)	1:34:B:LEU:HB3	1:80:B:PHE:HB2	3	0.27
(1,883)	1:34:A:LEU:HB3	1:80:A:PHE:HB2	3	0.27
(1,844)	1:36:B:LYS:HB2	1:36:B:LYS:HE2	14	0.27
(1,843)	1:36:A:LYS:HB2	1:36:A:LYS:HE2	2	0.27
(1,843)	1:36:A:LYS:HB2	1:36:A:LYS:HE2	12	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,794)	1:93:B:ASP:HB3	1:96:B:LEU:HD21	11	0.27
(1,714)	1:16:B:SER:HB3	1:17:B:LEU:HD22	3	0.27
(1,713)	1:16:A:SER:HB3	1:17:A:LEU:HD22	3	0.27
(1,688)	1:46:B:GLU:HG3	1:20:B:VAL:HG21	8	0.27
(1,648)	1:14:B:ILE:HB	1:88:A:ALA:HB1	5	0.27
(1,648)	1:14:B:ILE:HB	1:88:A:ALA:HB1	6	0.27
(1,647)	1:14:A:ILE:HB	1:88:B:ALA:HB1	6	0.27
(1,647)	1:14:A:ILE:HB	1:88:B:ALA:HB2	7	0.27
(1,647)	1:14:A:ILE:HB	1:88:B:ALA:HB3	18	0.27
(1,621)	1:63:A:MET:H	1:62:A:ARG:HG2	7	0.27
(1,421)	1:18:A:ILE:HG22	1:95:B:PHE:H	18	0.27
(1,363)	1:47:A:LEU:HD21	1:10:B:THR:H	19	0.27
(1,301)	1:22:A:GLN:HB2	1:25:A:ALA:HB1	3	0.27
(1,285)	1:75:A:LEU:HB3	1:39:A:PHE:HB3	20	0.27
(1,189)	1:46:A:GLU:HG2	1:24:A:TYR:H	13	0.27
(1,55)	1:17:A:LEU:HD13	1:13:B:CYS:HB2	16	0.27
(2,122)	1:76:B:ASP:HB3	1:68:B:ASP:HA	13	0.26
(2,121)	1:76:A:ASP:HB3	1:68:A:ASP:HA	13	0.26
(2,7)	1:89:A:MET:HG3	1:77:B:PHE:HB3	4	0.26
(1,5712)	1:42:B:PHE:H	1:39:B:PHE:HA	6	0.26
(1,5711)	1:42:A:PHE:H	1:39:A:PHE:HA	6	0.26
(1,5682)	1:87:B:LEU:H	1:87:B:LEU:HD13	20	0.26
(1,5681)	1:87:A:LEU:H	1:87:A:LEU:HD13	20	0.26
(1,5678)	1:20:B:VAL:H	1:20:B:VAL:HB	2	0.26
(1,5678)	1:20:B:VAL:H	1:20:B:VAL:HB	14	0.26
(1,5678)	1:20:B:VAL:H	1:20:B:VAL:HB	20	0.26
(1,5677)	1:20:A:VAL:H	1:20:A:VAL:HB	20	0.26
(1,5558)	1:88:B:ALA:H	1:81:A:LEU:HD11	4	0.26
(1,5501)	1:82:A:ASN:H	1:86:A:GLY:H	14	0.26
(1,5489)	1:21:A:PHE:H	1:23:A:LYS:H	20	0.26
(1,5456)	1:47:B:LEU:H	1:45:B:THR:HA	4	0.26
(1,5455)	1:47:A:LEU:H	1:45:A:THR:HA	4	0.26
(1,5414)	1:35:B:SER:H	1:36:B:LYS:H	3	0.26
(1,5414)	1:35:B:SER:H	1:36:B:LYS:H	6	0.26
(1,5414)	1:35:B:SER:H	1:36:B:LYS:H	9	0.26
(1,5413)	1:35:A:SER:H	1:36:A:LYS:H	3	0.26
(1,5413)	1:35:A:SER:H	1:36:A:LYS:H	9	0.26
(1,5412)	1:17:B:LEU:H	1:18:B:ILE:HB	19	0.26
(1,5411)	1:17:A:LEU:H	1:18:A:ILE:HB	19	0.26
(1,5356)	1:19:B:ALA:H	1:9:A:GLU:HG2	1	0.26
(1,5356)	1:19:B:ALA:H	1:17:B:LEU:HB2	14	0.26
(1,5355)	1:19:A:ALA:H	1:17:A:LEU:HB2	14	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5341)	1:93:A:ASP:H	1:96:A:LEU:HD21	4	0.26
(1,5336)	1:45:B:THR:H	1:46:B:GLU:HA	4	0.26
(1,5335)	1:45:A:THR:H	1:46:A:GLU:HA	4	0.26
(1,5284)	1:98:B:ALA:H	1:96:B:LEU:HD21	15	0.26
(1,5283)	1:98:A:ALA:H	1:96:A:LEU:HD21	15	0.26
(1,5132)	1:66:B:LYS:HB2	1:66:B:LYS:HG3	15	0.26
(1,5131)	1:66:A:LYS:HB2	1:66:A:LYS:HG3	15	0.26
(1,5120)	1:40:B:LEU:HG	1:40:B:LEU:HD21	20	0.26
(1,5119)	1:40:A:LEU:HG	1:40:A:LEU:HD21	20	0.26
(1,5112)	1:37:B:THR:HB	1:37:B:THR:HG21	4	0.26
(1,5112)	1:45:B:THR:HA	1:45:B:THR:HG21	5	0.26
(1,5112)	1:37:B:THR:HB	1:37:B:THR:HG21	18	0.26
(1,5111)	1:37:A:THR:HB	1:37:A:THR:HG21	4	0.26
(1,5111)	1:45:A:THR:HA	1:45:A:THR:HG21	5	0.26
(1,5111)	1:37:A:THR:HB	1:37:A:THR:HG21	18	0.26
(1,5110)	1:69:B:THR:HB	1:69:B:THR:HG22	4	0.26
(1,5110)	1:45:B:THR:HB	1:45:B:THR:HG21	9	0.26
(1,5109)	1:69:A:THR:HB	1:69:A:THR:HG22	4	0.26
(1,5109)	1:45:A:THR:HB	1:45:A:THR:HG21	9	0.26
(1,5102)	1:37:B:THR:HA	1:37:B:THR:HG23	11	0.26
(1,5102)	1:37:B:THR:HA	1:37:B:THR:HG23	15	0.26
(1,5101)	1:37:A:THR:HA	1:37:A:THR:HG23	15	0.26
(1,5100)	1:17:B:LEU:HD21	1:17:B:LEU:HB3	5	0.26
(1,5099)	1:60:A:LEU:HB3	1:60:A:LEU:HD23	20	0.26
(1,4924)	1:65:B:LYS:HG2	1:65:B:LYS:HA	5	0.26
(1,4924)	1:65:B:LYS:HG2	1:65:B:LYS:HA	6	0.26
(1,4923)	1:65:A:LYS:HG2	1:65:A:LYS:HA	5	0.26
(1,4904)	1:82:B:ASN:HB2	1:66:B:LYS:HE3	1	0.26
(1,4884)	1:68:B:ASP:HA	1:33:B:THR:HG21	6	0.26
(1,4883)	1:68:A:ASP:HA	1:33:A:THR:HG21	6	0.26
(1,4862)	1:68:B:ASP:HA	1:33:B:THR:HG21	6	0.26
(1,4861)	1:68:A:ASP:HA	1:33:A:THR:HG21	6	0.26
(1,4856)	1:25:B:ALA:HA	1:34:B:LEU:HD22	8	0.26
(1,4856)	1:25:B:ALA:HA	1:34:B:LEU:HD23	13	0.26
(1,4855)	1:25:A:ALA:HA	1:34:A:LEU:HD23	13	0.26
(1,4838)	1:63:B:MET:HA	1:66:B:LYS:HE2	3	0.26
(1,4838)	1:63:B:MET:HA	1:66:B:LYS:HE3	12	0.26
(1,4837)	1:63:A:MET:HA	1:66:A:LYS:HE2	3	0.26
(1,4837)	1:63:A:MET:HA	1:66:A:LYS:HE3	12	0.26
(1,4830)	1:18:B:ILE:HG22	1:14:B:ILE:HG23	5	0.26
(1,4829)	1:18:A:ILE:HG22	1:14:A:ILE:HG23	5	0.26
(1,4806)	1:18:B:ILE:HG22	1:14:B:ILE:HG23	5	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4805)	1:18:A:ILE:HG22	1:14:A:ILE:HG23	5	0.26
(1,4780)	1:14:B:ILE:HD11	1:88:A:ALA:HA	1	0.26
(1,4780)	1:14:B:ILE:HD12	1:88:A:ALA:HA	7	0.26
(1,4779)	1:14:A:ILE:HD11	1:88:B:ALA:HA	1	0.26
(1,4756)	1:37:B:THR:HG23	1:27:B:LYS:HD3	6	0.26
(1,4755)	1:37:A:THR:HG23	1:27:A:LYS:HD3	6	0.26
(1,4718)	1:87:B:LEU:HD23	1:14:A:ILE:HB	4	0.26
(1,4710)	1:15:B:GLU:HB3	1:18:B:ILE:HB	17	0.26
(1,4705)	1:64:A:MET:HG3	1:36:A:LYS:HE3	3	0.26
(1,4650)	1:63:B:MET:HB2	1:67:B:LEU:HD11	7	0.26
(1,4649)	1:63:A:MET:HB2	1:67:A:LEU:HD11	7	0.26
(1,4643)	1:10:A:THR:HG21	1:20:B:VAL:HB	6	0.26
(1,4640)	1:88:B:ALA:HA	1:14:A:ILE:HG12	5	0.26
(1,4639)	1:88:A:ALA:HA	1:14:B:ILE:HG12	5	0.26
(1,4634)	1:14:B:ILE:H	1:14:B:ILE:HD13	4	0.26
(1,4633)	1:14:A:ILE:H	1:14:A:ILE:HD13	4	0.26
(1,4620)	1:68:B:ASP:HB2	1:65:B:LYS:HA	5	0.26
(1,4619)	1:68:A:ASP:HB2	1:65:A:LYS:HA	5	0.26
(1,4602)	1:99:B:VAL:HG13	1:99:B:VAL:HA	4	0.26
(1,4602)	1:99:B:VAL:HG12	1:99:B:VAL:HA	9	0.26
(1,4601)	1:99:A:VAL:HG13	1:99:A:VAL:HA	1	0.26
(1,4601)	1:99:A:VAL:HG13	1:99:A:VAL:HA	4	0.26
(1,4601)	1:99:A:VAL:HG11	1:99:A:VAL:HA	11	0.26
(1,4589)	1:88:A:ALA:HB2	1:14:B:ILE:HA	7	0.26
(1,4586)	1:63:B:MET:HG2	1:60:B:LEU:HD22	3	0.26
(1,4586)	1:63:B:MET:HG2	1:60:B:LEU:HD21	4	0.26
(1,4585)	1:63:A:MET:HG2	1:60:A:LEU:HD22	3	0.26
(1,4585)	1:63:A:MET:HG2	1:60:A:LEU:HD21	4	0.26
(1,4496)	1:89:B:MET:HA	1:81:A:LEU:HD11	18	0.26
(1,4495)	1:89:A:MET:HA	1:81:B:LEU:HD11	18	0.26
(1,4476)	1:96:B:LEU:HD11	1:99:B:VAL:HA	19	0.26
(1,4475)	1:96:A:LEU:HD11	1:99:A:VAL:HA	19	0.26
(1,4470)	1:33:B:THR:HG21	1:79:B:GLU:H	9	0.26
(1,4469)	1:33:A:THR:HG21	1:79:A:GLU:H	9	0.26
(1,4460)	1:20:B:VAL:HG22	1:81:B:LEU:HD21	18	0.26
(1,4459)	1:20:A:VAL:HG22	1:81:A:LEU:HD21	18	0.26
(1,4455)	1:57:A:PRO:HA	1:60:A:LEU:HD13	18	0.26
(1,4440)	1:49:B:ALA:HB3	1:50:B:PHE:HB2	6	0.26
(1,4440)	1:49:B:ALA:HB1	1:50:B:PHE:HB2	7	0.26
(1,4440)	1:49:B:ALA:HB2	1:50:B:PHE:HB2	18	0.26
(1,4439)	1:49:A:ALA:HB2	1:50:A:PHE:HB2	18	0.26
(1,4427)	1:83:A:LEU:HD12	1:87:A:LEU:H	6	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4416)	1:13:B:CYS:H	1:12:B:ARG:HB2	1	0.26
(1,4375)	1:74:A:GLN:H	1:33:A:THR:HG22	3	0.26
(1,4368)	1:44:B:ASN:HA	1:60:B:LEU:HD13	3	0.26
(1,4367)	1:44:A:ASN:HA	1:60:A:LEU:HD13	3	0.26
(1,4348)	1:82:B:ASN:HB2	1:66:B:LYS:HE3	1	0.26
(1,4278)	1:16:B:SER:HA	1:15:B:GLU:HB2	16	0.26
(1,4277)	1:16:A:SER:HA	1:15:A:GLU:HB2	19	0.26
(1,4262)	1:63:B:MET:HG2	1:59:B:VAL:HA	5	0.26
(1,4262)	1:63:B:MET:HG2	1:59:B:VAL:HA	9	0.26
(1,4262)	1:63:B:MET:HG2	1:59:B:VAL:HA	15	0.26
(1,4261)	1:63:A:MET:HG2	1:59:A:VAL:HA	5	0.26
(1,4261)	1:63:A:MET:HG2	1:59:A:VAL:HA	9	0.26
(1,4261)	1:63:A:MET:HG2	1:59:A:VAL:HA	15	0.26
(1,4198)	1:60:B:LEU:HD13	1:44:B:ASN:HB2	3	0.26
(1,4192)	1:61:B:ASP:HB3	1:40:B:LEU:HD21	8	0.26
(1,4191)	1:61:A:ASP:HB3	1:40:A:LEU:HD21	8	0.26
(1,4184)	1:13:B:CYS:HA	1:17:B:LEU:HG	1	0.26
(1,4184)	1:13:B:CYS:HA	1:17:B:LEU:HG	5	0.26
(1,4184)	1:13:B:CYS:HA	1:17:B:LEU:HG	6	0.26
(1,4183)	1:13:A:CYS:HA	1:17:A:LEU:HG	1	0.26
(1,4183)	1:13:A:CYS:HA	1:17:A:LEU:HG	5	0.26
(1,4183)	1:13:A:CYS:HA	1:17:A:LEU:HG	6	0.26
(1,4171)	1:44:A:ASN:HB2	1:43:A:MET:HB2	11	0.26
(1,4162)	1:22:B:GLN:HA	1:26:B:GLY:HA3	9	0.26
(1,4162)	1:22:B:GLN:HA	1:26:B:GLY:HA3	13	0.26
(1,4123)	1:67:A:LEU:HA	1:66:A:LYS:HE3	9	0.26
(1,4104)	1:42:B:PHE:HA	1:20:B:VAL:HB	3	0.26
(1,4054)	1:68:B:ASP:HA	1:69:B:THR:HA	6	0.26
(1,4054)	1:68:B:ASP:HA	1:69:B:THR:HA	15	0.26
(1,4053)	1:68:A:ASP:HA	1:69:A:THR:HA	6	0.26
(1,4053)	1:68:A:ASP:HA	1:69:A:THR:HA	15	0.26
(1,4046)	1:11:B:GLU:HB2	1:10:B:THR:HG21	14	0.26
(1,4034)	1:21:B:PHE:H	1:19:B:ALA:HA	2	0.26
(1,4034)	1:49:B:ALA:HA	1:53:B:ASN:H	7	0.26
(1,4033)	1:21:A:PHE:H	1:19:A:ALA:HA	2	0.26
(1,4033)	1:49:A:ALA:HA	1:53:A:ASN:H	7	0.26
(1,4026)	1:60:B:LEU:HD11	1:44:B:ASN:HB2	2	0.26
(1,4025)	1:60:A:LEU:HD11	1:44:A:ASN:HB2	2	0.26
(1,4025)	1:60:A:LEU:HD11	1:44:A:ASN:HB2	18	0.26
(1,3972)	1:34:B:LEU:HD11	1:80:B:PHE:HB3	14	0.26
(1,3971)	1:34:A:LEU:HD11	1:80:A:PHE:HB3	14	0.26
(1,3954)	1:68:B:ASP:HB3	1:66:B:LYS:HG3	3	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3952)	1:15:B:GLU:HA	1:14:B:ILE:HA	13	0.26
(1,3951)	1:15:A:GLU:HA	1:14:A:ILE:HA	13	0.26
(1,3929)	1:74:A:GLN:HA	1:34:A:LEU:HB3	4	0.26
(1,3890)	1:17:B:LEU:HB2	1:14:B:ILE:HG12	9	0.26
(1,3890)	1:17:B:LEU:HB2	1:18:B:ILE:HB	13	0.26
(1,3889)	1:17:A:LEU:HB2	1:14:A:ILE:HG12	9	0.26
(1,3889)	1:17:A:LEU:HB2	1:18:A:ILE:HB	13	0.26
(1,3888)	1:14:B:ILE:HA	1:16:B:SER:HB2	7	0.26
(1,3887)	1:14:A:ILE:HA	1:16:A:SER:HB2	7	0.26
(1,3876)	1:33:B:THR:HG21	1:79:B:GLU:H	9	0.26
(1,3875)	1:33:A:THR:HG21	1:79:A:GLU:H	9	0.26
(1,3842)	1:89:B:MET:HG3	1:86:B:GLY:H	11	0.26
(1,3841)	1:89:A:MET:HG3	1:86:A:GLY:H	11	0.26
(1,3834)	1:17:B:LEU:HD13	1:14:B:ILE:H	5	0.26
(1,3833)	1:17:A:LEU:HD13	1:14:A:ILE:H	5	0.26
(1,3752)	1:11:B:GLU:HB2	1:8:B:THR:HB	8	0.26
(1,3751)	1:11:A:GLU:HB2	1:8:A:THR:HB	8	0.26
(1,3747)	1:84:A:ILE:HB	1:85:A:GLY:HA2	7	0.26
(1,3712)	1:83:B:LEU:HB2	1:87:B:LEU:HD12	19	0.26
(1,3691)	1:13:A:CYS:HB2	1:17:B:LEU:HB3	2	0.26
(1,3684)	1:66:B:LYS:HB3	1:64:B:MET:HA	13	0.26
(1,3642)	1:44:B:ASN:HB2	1:40:B:LEU:HA	12	0.26
(1,3641)	1:44:A:ASN:HB2	1:40:A:LEU:HA	12	0.26
(1,3638)	1:34:B:LEU:HB3	1:24:B:TYR:HB3	14	0.26
(1,3637)	1:34:A:LEU:HB3	1:24:A:TYR:HB3	14	0.26
(1,3630)	1:63:B:MET:HG3	1:64:B:MET:HA	2	0.26
(1,3630)	1:63:B:MET:HG3	1:64:B:MET:HA	14	0.26
(1,3629)	1:63:A:MET:HG3	1:64:A:MET:HA	2	0.26
(1,3629)	1:63:A:MET:HG3	1:64:A:MET:HA	14	0.26
(1,3629)	1:63:A:MET:HG3	1:64:A:MET:HA	16	0.26
(1,3622)	1:60:B:LEU:HB2	1:63:B:MET:HB2	15	0.26
(1,3621)	1:60:A:LEU:HB2	1:63:A:MET:HB2	15	0.26
(1,3606)	1:77:B:PHE:HB3	1:88:A:ALA:HB1	9	0.26
(1,3603)	1:14:A:ILE:HB	1:91:B:CYS:HB2	5	0.26
(1,3595)	1:13:A:CYS:HB2	1:20:B:VAL:HG13	19	0.26
(1,3544)	1:48:B:ALA:HA	1:44:B:ASN:HB3	13	0.26
(1,3530)	1:34:B:LEU:HB2	1:39:B:PHE:HA	4	0.26
(1,3529)	1:34:A:LEU:HB2	1:39:A:PHE:HA	4	0.26
(1,3434)	1:42:B:PHE:HA	1:46:B:GLU:HA	13	0.26
(1,3407)	1:11:A:GLU:HB2	1:46:B:GLU:HA	11	0.26
(1,3390)	1:17:B:LEU:HD23	1:17:A:LEU:HD11	19	0.26
(1,3387)	1:17:A:LEU:HD21	1:88:B:ALA:HB3	7	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3382)	1:87:B:LEU:HD23	1:14:A:ILE:HB	4	0.26
(1,3380)	1:20:B:VAL:HG13	1:12:A:ARG:HG3	2	0.26
(1,3380)	1:20:B:VAL:HG13	1:12:A:ARG:HG3	19	0.26
(1,3379)	1:20:A:VAL:HG13	1:12:B:ARG:HG3	2	0.26
(1,3379)	1:20:A:VAL:HG12	1:12:B:ARG:HG3	3	0.26
(1,3354)	1:84:B:ILE:HG21	1:17:A:LEU:HD13	14	0.26
(1,3354)	1:84:B:ILE:HG22	1:17:A:LEU:HD12	15	0.26
(1,3353)	1:84:A:ILE:HG22	1:17:B:LEU:HD11	8	0.26
(1,3353)	1:84:A:ILE:HG22	1:17:B:LEU:HD11	13	0.26
(1,3353)	1:84:A:ILE:HG21	1:17:B:LEU:HD13	14	0.26
(1,3353)	1:84:A:ILE:HG22	1:17:B:LEU:HD12	15	0.26
(1,3170)	1:23:B:LYS:H	1:23:B:LYS:HD3	3	0.26
(1,3169)	1:23:A:LYS:H	1:23:A:LYS:HD3	3	0.26
(1,2767)	1:80:A:PHE:H	1:75:A:LEU:HB2	7	0.26
(1,2753)	1:38:A:GLU:H	1:34:A:LEU:HD23	15	0.26
(1,2726)	1:77:B:PHE:H	1:33:B:THR:HG21	11	0.26
(1,2724)	1:78:B:SER:H	1:81:B:LEU:HD11	19	0.26
(1,2715)	1:22:A:GLN:H	1:18:A:ILE:HG21	15	0.26
(1,2592)	1:26:B:GLY:H	1:24:B:TYR:HB3	6	0.26
(1,2591)	1:26:A:GLY:H	1:24:A:TYR:HB3	6	0.26
(1,2210)	1:97:B:LYS:HA	1:97:B:LYS:HG2	14	0.26
(1,2209)	1:97:A:LYS:HA	1:97:A:LYS:HG2	14	0.26
(1,1943)	1:42:A:PHE:HA	1:27:A:LYS:HE3	1	0.26
(1,1926)	1:21:B:PHE:H	1:20:B:VAL:HG21	9	0.26
(1,1925)	1:21:A:PHE:H	1:20:A:VAL:HG21	9	0.26
(1,1896)	1:19:B:ALA:HB3	1:9:A:GLU:HG2	10	0.26
(1,1858)	1:57:B:PRO:HD3	1:57:B:PRO:HA	5	0.26
(1,1857)	1:57:A:PRO:HD3	1:57:A:PRO:HA	5	0.26
(1,1848)	1:59:B:VAL:HG21	1:60:B:LEU:HA	12	0.26
(1,1848)	1:59:B:VAL:HG23	1:60:B:LEU:HA	19	0.26
(1,1847)	1:59:A:VAL:HG22	1:60:A:LEU:HA	9	0.26
(1,1847)	1:59:A:VAL:HG21	1:60:A:LEU:HA	12	0.26
(1,1847)	1:59:A:VAL:HG23	1:60:A:LEU:HA	19	0.26
(1,1824)	1:63:B:MET:HB2	1:67:B:LEU:HD11	2	0.26
(1,1822)	1:11:B:GLU:HG3	1:11:B:GLU:HA	12	0.26
(1,1796)	1:63:B:MET:HG3	1:60:B:LEU:HD23	2	0.26
(1,1707)	1:82:A:ASN:HB2	1:67:A:LEU:HD22	3	0.26
(1,1686)	1:17:B:LEU:HB2	1:17:B:LEU:HD23	15	0.26
(1,1686)	1:17:B:LEU:HB2	1:17:B:LEU:HD23	20	0.26
(1,1685)	1:17:A:LEU:HB2	1:17:A:LEU:HD23	15	0.26
(1,1685)	1:17:A:LEU:HB2	1:17:A:LEU:HD23	20	0.26
(1,1682)	1:50:B:PHE:HB2	1:47:B:LEU:HD22	13	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1624)	1:67:B:LEU:H	1:67:B:LEU:HD11	16	0.26
(1,1624)	1:67:B:LEU:H	1:67:B:LEU:HD12	19	0.26
(1,1623)	1:67:A:LEU:H	1:67:A:LEU:HD11	16	0.26
(1,1623)	1:67:A:LEU:H	1:67:A:LEU:HD12	19	0.26
(1,1580)	1:57:B:PRO:HD3	1:57:B:PRO:HB2	11	0.26
(1,1579)	1:57:A:PRO:HD3	1:57:A:PRO:HB2	11	0.26
(1,1426)	1:47:B:LEU:HD12	1:50:B:PHE:HB3	15	0.26
(1,1398)	1:68:B:ASP:HB3	1:75:B:LEU:HD22	16	0.26
(1,1397)	1:68:A:ASP:HB3	1:75:A:LEU:HD22	16	0.26
(1,1166)	1:81:B:LEU:HD23	1:80:B:PHE:HB3	10	0.26
(1,1165)	1:81:A:LEU:HD23	1:80:A:PHE:HB3	10	0.26
(1,1133)	1:33:A:THR:HB	1:74:A:GLN:HG2	19	0.26
(1,1088)	1:84:B:ILE:H	1:81:B:LEU:HD21	1	0.26
(1,1088)	1:84:B:ILE:H	1:81:B:LEU:HD21	16	0.26
(1,1087)	1:84:A:ILE:H	1:81:A:LEU:HD21	1	0.26
(1,1087)	1:84:A:ILE:H	1:81:A:LEU:HD21	16	0.26
(1,1060)	1:16:B:SER:HB3	1:19:B:ALA:HB1	18	0.26
(1,1059)	1:16:A:SER:HB3	1:19:A:ALA:HB3	9	0.26
(1,1059)	1:16:A:SER:HB3	1:19:A:ALA:HB1	18	0.26
(1,1005)	1:9:A:GLU:HG3	1:8:A:THR:HB	11	0.26
(1,986)	1:61:B:ASP:H	1:58:B:GLY:HA3	18	0.26
(1,985)	1:61:A:ASP:H	1:58:A:GLY:HA3	18	0.26
(1,942)	1:18:B:ILE:HG23	1:15:B:GLU:HB3	17	0.26
(1,941)	1:18:A:ILE:HG23	1:15:A:GLU:HB3	17	0.26
(1,902)	1:40:B:LEU:HB3	1:37:B:THR:HG23	4	0.26
(1,901)	1:40:A:LEU:HB3	1:37:A:THR:HG23	4	0.26
(1,856)	1:9:B:GLU:HG3	1:17:A:LEU:HD21	8	0.26
(1,844)	1:36:B:LYS:HB2	1:36:B:LYS:HE2	1	0.26
(1,844)	1:36:B:LYS:HB2	1:36:B:LYS:HE2	2	0.26
(1,844)	1:36:B:LYS:HB2	1:36:B:LYS:HE2	10	0.26
(1,844)	1:36:B:LYS:HB2	1:36:B:LYS:HE2	12	0.26
(1,844)	1:36:B:LYS:HB2	1:36:B:LYS:HE2	16	0.26
(1,844)	1:36:B:LYS:HB2	1:36:B:LYS:HE2	17	0.26
(1,844)	1:36:B:LYS:HB2	1:36:B:LYS:HE2	19	0.26
(1,844)	1:36:B:LYS:HB2	1:36:B:LYS:HE2	20	0.26
(1,843)	1:36:A:LYS:HB2	1:36:A:LYS:HE2	1	0.26
(1,843)	1:36:A:LYS:HB2	1:36:A:LYS:HE2	10	0.26
(1,843)	1:36:A:LYS:HB2	1:36:A:LYS:HE2	14	0.26
(1,843)	1:36:A:LYS:HB2	1:36:A:LYS:HE2	16	0.26
(1,843)	1:36:A:LYS:HB2	1:36:A:LYS:HE2	17	0.26
(1,843)	1:36:A:LYS:HB2	1:36:A:LYS:HE2	20	0.26
(1,793)	1:93:A:ASP:HB3	1:96:A:LEU:HD21	11	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,674)	1:13:B:CYS:HB2	1:14:B:ILE:HG13	7	0.26
(1,673)	1:13:A:CYS:HB2	1:14:A:ILE:HG13	7	0.26
(1,648)	1:14:B:ILE:HB	1:88:A:ALA:HB3	3	0.26
(1,648)	1:14:B:ILE:HB	1:88:A:ALA:HB3	18	0.26
(1,648)	1:14:B:ILE:HB	1:88:A:ALA:HB2	20	0.26
(1,647)	1:14:A:ILE:HB	1:88:B:ALA:HB3	4	0.26
(1,647)	1:14:A:ILE:HB	1:88:B:ALA:HB1	5	0.26
(1,610)	1:63:B:MET:H	1:62:B:ARG:HG2	2	0.26
(1,610)	1:63:B:MET:H	1:62:B:ARG:HG2	15	0.26
(1,609)	1:63:A:MET:H	1:62:A:ARG:HG2	2	0.26
(1,609)	1:63:A:MET:H	1:62:A:ARG:HG2	15	0.26
(1,444)	1:15:B:GLU:HG3	1:91:A:CYS:HB2	5	0.26
(1,443)	1:15:A:GLU:HG3	1:91:B:CYS:HB3	1	0.26
(1,356)	1:60:B:LEU:HB2	1:61:B:ASP:HB3	13	0.26
(1,355)	1:60:A:LEU:HB2	1:61:A:ASP:HB3	10	0.26
(1,355)	1:60:A:LEU:HB2	1:61:A:ASP:HB3	13	0.26
(1,286)	1:75:B:LEU:HB3	1:39:B:PHE:HB3	20	0.26
(1,220)	1:75:B:LEU:HD11	1:68:B:ASP:HA	10	0.26
(1,218)	1:18:B:ILE:HA	1:95:A:PHE:HB2	16	0.26
(1,217)	1:18:A:ILE:HA	1:95:B:PHE:HB2	16	0.26
(1,91)	1:9:A:GLU:HB3	1:20:B:VAL:HG13	7	0.26
(1,40)	1:87:B:LEU:HD23	1:14:A:ILE:HD11	14	0.26
(2,124)	1:44:B:ASN:HB2	1:48:B:ALA:H	15	0.25
(2,123)	1:44:A:ASN:HB2	1:48:A:ALA:H	15	0.25
(2,92)	1:44:B:ASN:HB3	1:47:B:LEU:H	9	0.25
(1,5678)	1:20:B:VAL:H	1:20:B:VAL:HB	5	0.25
(1,5678)	1:20:B:VAL:H	1:20:B:VAL:HB	8	0.25
(1,5678)	1:20:B:VAL:H	1:20:B:VAL:HB	10	0.25
(1,5678)	1:20:B:VAL:H	1:20:B:VAL:HB	11	0.25
(1,5678)	1:20:B:VAL:H	1:20:B:VAL:HB	16	0.25
(1,5678)	1:20:B:VAL:H	1:20:B:VAL:HB	17	0.25
(1,5677)	1:20:A:VAL:H	1:20:A:VAL:HB	2	0.25
(1,5677)	1:20:A:VAL:H	1:20:A:VAL:HB	3	0.25
(1,5677)	1:20:A:VAL:H	1:20:A:VAL:HB	5	0.25
(1,5677)	1:20:A:VAL:H	1:20:A:VAL:HB	8	0.25
(1,5677)	1:20:A:VAL:H	1:20:A:VAL:HB	10	0.25
(1,5677)	1:20:A:VAL:H	1:20:A:VAL:HB	11	0.25
(1,5677)	1:20:A:VAL:H	1:20:A:VAL:HB	14	0.25
(1,5677)	1:20:A:VAL:H	1:20:A:VAL:HB	16	0.25
(1,5677)	1:20:A:VAL:H	1:20:A:VAL:HB	17	0.25
(1,5602)	1:84:B:ILE:H	1:87:B:LEU:HD11	2	0.25
(1,5601)	1:84:A:ILE:H	1:87:A:LEU:HD11	2	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5557)	1:88:A:ALA:H	1:81:B:LEU:HD12	2	0.25
(1,5557)	1:88:A:ALA:H	1:81:B:LEU:HD11	4	0.25
(1,5529)	1:39:A:PHE:H	1:40:A:LEU:HD21	11	0.25
(1,5490)	1:21:B:PHE:H	1:23:B:LYS:H	20	0.25
(1,5414)	1:35:B:SER:H	1:39:B:PHE:H	7	0.25
(1,5414)	1:35:B:SER:H	1:36:B:LYS:H	10	0.25
(1,5413)	1:35:A:SER:H	1:39:A:PHE:H	7	0.25
(1,5413)	1:35:A:SER:H	1:36:A:LYS:H	10	0.25
(1,5413)	1:35:A:SER:H	1:36:A:LYS:H	20	0.25
(1,5411)	1:17:A:LEU:H	1:18:A:ILE:HB	8	0.25
(1,5390)	1:23:B:LYS:H	1:23:B:LYS:HE2	2	0.25
(1,5390)	1:23:B:LYS:H	1:23:B:LYS:HE2	6	0.25
(1,5390)	1:23:B:LYS:H	1:23:B:LYS:HE2	8	0.25
(1,5389)	1:23:A:LYS:H	1:23:A:LYS:HE2	2	0.25
(1,5355)	1:19:A:ALA:H	1:9:B:GLU:HG2	1	0.25
(1,5342)	1:93:B:ASP:H	1:96:B:LEU:HD21	4	0.25
(1,5336)	1:45:B:THR:H	1:46:B:GLU:HA	14	0.25
(1,5335)	1:45:A:THR:H	1:46:A:GLU:HA	14	0.25
(1,5266)	1:8:B:THR:H	1:47:A:LEU:HD21	5	0.25
(1,5242)	1:81:B:LEU:H	1:77:B:PHE:H	3	0.25
(1,5241)	1:81:A:LEU:H	1:77:A:PHE:H	3	0.25
(1,5206)	1:44:B:ASN:H	1:60:B:LEU:HB2	17	0.25
(1,5205)	1:44:A:ASN:H	1:60:A:LEU:HB2	17	0.25
(1,5202)	1:40:B:LEU:H	1:64:B:MET:HG2	4	0.25
(1,5201)	1:40:A:LEU:H	1:64:A:MET:HG2	4	0.25
(1,5120)	1:40:B:LEU:HG	1:40:B:LEU:HD22	4	0.25
(1,5120)	1:40:B:LEU:HG	1:40:B:LEU:HD21	11	0.25
(1,5119)	1:40:A:LEU:HG	1:40:A:LEU:HD22	4	0.25
(1,5119)	1:40:A:LEU:HG	1:40:A:LEU:HD21	11	0.25
(1,5112)	1:45:B:THR:HA	1:45:B:THR:HG22	3	0.25
(1,5112)	1:45:B:THR:HA	1:45:B:THR:HG23	14	0.25
(1,5112)	1:37:B:THR:HB	1:37:B:THR:HG22	17	0.25
(1,5111)	1:45:A:THR:HA	1:45:A:THR:HG22	3	0.25
(1,5111)	1:45:A:THR:HA	1:45:A:THR:HG21	11	0.25
(1,5111)	1:45:A:THR:HA	1:45:A:THR:HG23	14	0.25
(1,5111)	1:37:A:THR:HB	1:37:A:THR:HG22	17	0.25
(1,5110)	1:45:B:THR:HA	1:45:B:THR:HG22	3	0.25
(1,5110)	1:45:B:THR:HA	1:45:B:THR:HG21	5	0.25
(1,5110)	1:45:B:THR:HA	1:45:B:THR:HG23	14	0.25
(1,5110)	1:69:B:THR:HB	1:69:B:THR:HG23	18	0.25
(1,5109)	1:45:A:THR:HA	1:45:A:THR:HG21	5	0.25
(1,5109)	1:69:A:THR:HB	1:69:A:THR:HG23	18	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5102)	1:37:B:THR:HA	1:37:B:THR:HG22	8	0.25
(1,5102)	1:37:B:THR:HA	1:37:B:THR:HG23	13	0.25
(1,5101)	1:37:A:THR:HA	1:37:A:THR:HG22	8	0.25
(1,5101)	1:37:A:THR:HA	1:37:A:THR:HG23	11	0.25
(1,5100)	1:17:B:LEU:HD22	1:17:B:LEU:HB3	8	0.25
(1,5100)	1:17:B:LEU:HD22	1:17:B:LEU:HB3	16	0.25
(1,5100)	1:60:B:LEU:HB3	1:60:B:LEU:HD21	19	0.25
(1,5099)	1:17:A:LEU:HD22	1:17:A:LEU:HB3	8	0.25
(1,5099)	1:60:A:LEU:HB3	1:60:A:LEU:HD21	19	0.25
(1,4962)	1:15:B:GLU:HB2	1:12:B:ARG:HA	6	0.25
(1,4961)	1:15:A:GLU:HB2	1:12:A:ARG:HA	6	0.25
(1,4924)	1:65:B:LYS:HG2	1:65:B:LYS:HA	8	0.25
(1,4923)	1:65:A:LYS:HG2	1:65:A:LYS:HA	8	0.25
(1,4903)	1:82:A:ASN:HB2	1:66:A:LYS:HE3	1	0.25
(1,4884)	1:68:B:ASP:HA	1:33:B:THR:HG21	2	0.25
(1,4883)	1:68:A:ASP:HA	1:33:A:THR:HG21	2	0.25
(1,4862)	1:68:B:ASP:HA	1:33:B:THR:HG21	2	0.25
(1,4861)	1:68:A:ASP:HA	1:33:A:THR:HG21	2	0.25
(1,4848)	1:53:B:ASN:HB2	1:50:B:PHE:HB2	18	0.25
(1,4847)	1:53:A:ASN:HB2	1:50:A:PHE:HB2	18	0.25
(1,4792)	1:37:B:THR:HA	1:40:B:LEU:HD21	19	0.25
(1,4791)	1:37:A:THR:HA	1:40:A:LEU:HD22	12	0.25
(1,4791)	1:37:A:THR:HA	1:40:A:LEU:HD21	19	0.25
(1,4780)	1:14:B:ILE:HD12	1:88:A:ALA:HA	10	0.25
(1,4779)	1:14:A:ILE:HD12	1:88:B:ALA:HA	10	0.25
(1,4710)	1:15:B:GLU:HB3	1:18:B:ILE:HB	15	0.25
(1,4709)	1:15:A:GLU:HB3	1:18:A:ILE:HB	15	0.25
(1,4706)	1:64:B:MET:HG3	1:36:B:LYS:HE3	3	0.25
(1,4696)	1:20:B:VAL:HG12	1:17:B:LEU:HD13	7	0.25
(1,4695)	1:20:A:VAL:HG12	1:17:A:LEU:HD13	7	0.25
(1,4606)	1:75:B:LEU:HD12	1:83:B:LEU:HB2	10	0.25
(1,4605)	1:75:A:LEU:HD12	1:83:A:LEU:HB2	10	0.25
(1,4601)	1:99:A:VAL:HG12	1:99:A:VAL:HA	9	0.25
(1,4590)	1:88:B:ALA:HB3	1:14:A:ILE:HA	17	0.25
(1,4586)	1:63:B:MET:HG2	1:60:B:LEU:HD23	2	0.25
(1,4585)	1:63:A:MET:HG2	1:60:A:LEU:HD23	2	0.25
(1,4495)	1:89:A:MET:HA	1:81:B:LEU:HD13	17	0.25
(1,4460)	1:20:B:VAL:HG23	1:81:B:LEU:HD23	19	0.25
(1,4459)	1:20:A:VAL:HG23	1:81:A:LEU:HD23	19	0.25
(1,4456)	1:57:B:PRO:HA	1:60:B:LEU:HD13	18	0.25
(1,4436)	1:20:B:VAL:HG13	1:21:B:PHE:HB3	3	0.25
(1,4436)	1:20:B:VAL:HG11	1:21:B:PHE:HB3	14	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4436)	1:20:B:VAL:HG11	1:21:B:PHE:HB3	19	0.25
(1,4435)	1:20:A:VAL:HG13	1:21:A:PHE:HB3	3	0.25
(1,4435)	1:20:A:VAL:HG11	1:21:A:PHE:HB3	14	0.25
(1,4435)	1:20:A:VAL:HG11	1:21:A:PHE:HB3	19	0.25
(1,4432)	1:12:B:ARG:HD2	1:9:B:GLU:HA	7	0.25
(1,4431)	1:12:A:ARG:HD2	1:9:A:GLU:HA	7	0.25
(1,4415)	1:13:A:CYS:H	1:12:A:ARG:HB2	1	0.25
(1,4368)	1:44:B:ASN:HA	1:60:B:LEU:HD13	1	0.25
(1,4367)	1:44:A:ASN:HA	1:60:A:LEU:HD13	1	0.25
(1,4347)	1:82:A:ASN:HB2	1:66:A:LYS:HE3	1	0.25
(1,4343)	1:83:A:LEU:HD12	1:87:A:LEU:H	16	0.25
(1,4325)	1:43:A:MET:H	1:60:A:LEU:HD11	11	0.25
(1,4306)	1:34:B:LEU:HD12	1:39:B:PHE:HA	19	0.25
(1,4305)	1:34:A:LEU:HD12	1:39:A:PHE:HA	19	0.25
(1,4278)	1:16:B:SER:HA	1:15:B:GLU:HB2	19	0.25
(1,4270)	1:25:B:ALA:HB3	1:24:B:TYR:HB2	17	0.25
(1,4269)	1:25:A:ALA:HB3	1:24:A:TYR:HB2	17	0.25
(1,4262)	1:63:B:MET:HG2	1:59:B:VAL:HA	20	0.25
(1,4261)	1:63:A:MET:HG2	1:59:A:VAL:HA	20	0.25
(1,4198)	1:60:B:LEU:HD11	1:44:B:ASN:HB2	16	0.25
(1,4197)	1:60:A:LEU:HD13	1:44:A:ASN:HB2	3	0.25
(1,4197)	1:60:A:LEU:HD11	1:44:A:ASN:HB2	16	0.25
(1,4184)	1:13:B:CYS:HA	1:17:B:LEU:HG	3	0.25
(1,4183)	1:13:A:CYS:HA	1:17:A:LEU:HG	3	0.25
(1,4179)	1:66:A:LYS:HE2	1:63:A:MET:HB3	8	0.25
(1,4177)	1:8:A:THR:HG21	1:46:B:GLU:H	3	0.25
(1,4172)	1:44:B:ASN:HB2	1:43:B:MET:HB2	11	0.25
(1,4161)	1:22:A:GLN:HA	1:26:A:GLY:HA3	9	0.25
(1,4161)	1:22:A:GLN:HA	1:26:A:GLY:HA3	13	0.25
(1,4143)	1:58:A:GLY:HA3	1:61:A:ASP:HB3	11	0.25
(1,4114)	1:18:B:ILE:H	1:17:B:LEU:HD13	10	0.25
(1,4113)	1:18:A:ILE:H	1:17:A:LEU:HD13	10	0.25
(1,4072)	1:66:B:LYS:H	1:66:B:LYS:HD3	13	0.25
(1,4071)	1:66:A:LYS:H	1:66:A:LYS:HD3	13	0.25
(1,4062)	1:66:B:LYS:H	1:65:B:LYS:HG2	16	0.25
(1,4061)	1:66:A:LYS:H	1:65:A:LYS:HG2	16	0.25
(1,4054)	1:68:B:ASP:HA	1:69:B:THR:HA	19	0.25
(1,4053)	1:68:A:ASP:HA	1:69:A:THR:HA	19	0.25
(1,4046)	1:11:B:GLU:HB2	1:10:B:THR:HG21	2	0.25
(1,4045)	1:11:A:GLU:HB2	1:10:A:THR:HG21	2	0.25
(1,4045)	1:11:A:GLU:HB2	1:10:A:THR:HG21	14	0.25
(1,4026)	1:60:B:LEU:HD11	1:44:B:ASN:HB2	18	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4018)	1:60:B:LEU:HD11	1:44:B:ASN:HB2	2	0.25
(1,4004)	1:51:B:THR:HB	1:50:B:PHE:HB3	1	0.25
(1,4003)	1:51:A:THR:HB	1:50:A:PHE:HB3	1	0.25
(1,3953)	1:68:A:ASP:HB3	1:66:A:LYS:HG3	3	0.25
(1,3902)	1:76:B:ASP:HA	1:34:B:LEU:HB2	16	0.25
(1,3901)	1:76:A:ASP:HA	1:34:A:LEU:HB2	16	0.25
(1,3888)	1:14:B:ILE:HA	1:13:B:CYS:HA	16	0.25
(1,3887)	1:14:A:ILE:HA	1:13:A:CYS:HA	16	0.25
(1,3886)	1:100:B:PRO:HG3	1:96:B:LEU:HG	19	0.25
(1,3885)	1:100:A:PRO:HG3	1:96:A:LEU:HG	19	0.25
(1,3858)	1:47:B:LEU:HA	1:50:B:PHE:HA	3	0.25
(1,3858)	1:47:B:LEU:HA	1:44:B:ASN:HA	18	0.25
(1,3857)	1:47:A:LEU:HA	1:50:A:PHE:HA	3	0.25
(1,3857)	1:47:A:LEU:HA	1:44:A:ASN:HA	18	0.25
(1,3850)	1:34:B:LEU:HB2	1:39:B:PHE:HB2	3	0.25
(1,3849)	1:34:A:LEU:HB2	1:39:A:PHE:HB2	3	0.25
(1,3842)	1:89:B:MET:HG3	1:86:B:GLY:H	16	0.25
(1,3841)	1:89:A:MET:HG3	1:86:A:GLY:H	16	0.25
(1,3834)	1:17:B:LEU:HD13	1:14:B:ILE:H	2	0.25
(1,3834)	1:17:B:LEU:HD11	1:14:B:ILE:H	7	0.25
(1,3834)	1:17:B:LEU:HD13	1:14:B:ILE:H	19	0.25
(1,3833)	1:17:A:LEU:HD13	1:14:A:ILE:H	2	0.25
(1,3833)	1:17:A:LEU:HD13	1:14:A:ILE:H	19	0.25
(1,3804)	1:41:B:SER:H	1:40:B:LEU:HG	11	0.25
(1,3803)	1:41:A:SER:H	1:40:A:LEU:HG	11	0.25
(1,3800)	1:47:B:LEU:HA	1:87:B:LEU:HD21	12	0.25
(1,3778)	1:57:B:PRO:HA	1:61:B:ASP:HB3	16	0.25
(1,3777)	1:57:A:PRO:HA	1:61:A:ASP:HB3	16	0.25
(1,3758)	1:40:B:LEU:HA	1:36:B:LYS:HE2	15	0.25
(1,3757)	1:40:A:LEU:HA	1:36:A:LYS:HE2	15	0.25
(1,3748)	1:84:B:ILE:HB	1:85:B:GLY:HA2	7	0.25
(1,3748)	1:84:B:ILE:HB	1:85:B:GLY:HA2	8	0.25
(1,3747)	1:84:A:ILE:HB	1:85:A:GLY:HA2	8	0.25
(1,3731)	1:25:A:ALA:HB3	1:35:A:SER:HB2	19	0.25
(1,3707)	1:49:A:ALA:HB1	1:11:B:GLU:HG3	19	0.25
(1,3704)	1:39:B:PHE:HB2	1:60:B:LEU:HB3	5	0.25
(1,3703)	1:39:A:PHE:HB2	1:60:A:LEU:HB3	5	0.25
(1,3692)	1:13:B:CYS:HB2	1:17:A:LEU:HB3	2	0.25
(1,3672)	1:7:B:PRO:HB2	1:8:B:THR:HB	13	0.25
(1,3652)	1:47:B:LEU:HD23	1:10:A:THR:H	14	0.25
(1,3651)	1:47:A:LEU:HD23	1:10:B:THR:H	14	0.25
(1,3651)	1:47:A:LEU:HD21	1:10:B:THR:H	20	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3642)	1:44:B:ASN:HB2	1:40:B:LEU:HA	16	0.25
(1,3641)	1:44:A:ASN:HB2	1:40:A:LEU:HA	16	0.25
(1,3630)	1:63:B:MET:HG3	1:64:B:MET:HA	16	0.25
(1,3630)	1:63:B:MET:HG3	1:64:B:MET:HA	17	0.25
(1,3629)	1:63:A:MET:HG3	1:64:A:MET:HA	17	0.25
(1,3604)	1:14:B:ILE:HB	1:91:A:CYS:HB2	5	0.25
(1,3596)	1:13:B:CYS:HB2	1:20:A:VAL:HG13	5	0.25
(1,3596)	1:13:B:CYS:HB2	1:20:A:VAL:HG13	19	0.25
(1,3595)	1:13:A:CYS:HB2	1:20:B:VAL:HG13	5	0.25
(1,3588)	1:76:B:ASP:HB2	1:77:B:PHE:HB3	11	0.25
(1,3587)	1:76:A:ASP:HB2	1:77:A:PHE:HB3	11	0.25
(1,3584)	1:77:B:PHE:HB2	1:79:B:GLU:H	4	0.25
(1,3583)	1:77:A:PHE:HB2	1:79:A:GLU:H	4	0.25
(1,3543)	1:48:A:ALA:HA	1:44:A:ASN:HB3	13	0.25
(1,3540)	1:73:B:GLY:HA3	1:68:B:ASP:HB2	13	0.25
(1,3539)	1:73:A:GLY:HA3	1:68:A:ASP:HB2	13	0.25
(1,3536)	1:18:B:ILE:HB	1:91:A:CYS:HB3	16	0.25
(1,3530)	1:34:B:LEU:HB2	1:39:B:PHE:HA	3	0.25
(1,3529)	1:34:A:LEU:HB2	1:39:A:PHE:HA	3	0.25
(1,3504)	1:33:B:THR:HA	1:80:B:PHE:HB2	7	0.25
(1,3503)	1:33:A:THR:HA	1:80:A:PHE:HB2	7	0.25
(1,3468)	1:75:B:LEU:HB3	1:33:B:THR:HA	11	0.25
(1,3467)	1:75:A:LEU:HB3	1:33:A:THR:HA	11	0.25
(1,3420)	1:11:B:GLU:HA	1:47:A:LEU:HA	8	0.25
(1,3408)	1:11:B:GLU:HB2	1:46:A:GLU:HA	10	0.25
(1,3407)	1:11:A:GLU:HB2	1:46:B:GLU:HA	10	0.25
(1,3354)	1:84:B:ILE:HG22	1:17:A:LEU:HD11	13	0.25
(1,3018)	1:78:B:SER:H	1:77:B:PHE:HB3	5	0.25
(1,3017)	1:78:A:SER:H	1:77:A:PHE:HB3	5	0.25
(1,2886)	1:38:B:GLU:H	1:37:B:THR:HG22	14	0.25
(1,2767)	1:80:A:PHE:H	1:75:A:LEU:HB2	4	0.25
(1,2754)	1:38:B:GLU:H	1:34:B:LEU:HD23	15	0.25
(1,2724)	1:78:B:SER:H	1:81:B:LEU:HD12	14	0.25
(1,2723)	1:78:A:SER:H	1:81:A:LEU:HD12	14	0.25
(1,2716)	1:22:B:GLN:H	1:18:B:ILE:HG21	15	0.25
(1,2702)	1:74:B:GLN:H	1:33:B:THR:HG21	13	0.25
(1,2701)	1:74:A:GLN:H	1:33:A:THR:HG21	13	0.25
(1,2636)	1:43:B:MET:H	1:34:B:LEU:HD21	13	0.25
(1,2635)	1:43:A:MET:H	1:34:A:LEU:HD21	13	0.25
(1,2210)	1:97:B:LYS:HA	1:97:B:LYS:HG2	11	0.25
(1,2210)	1:97:B:LYS:HA	1:97:B:LYS:HG2	17	0.25
(1,2209)	1:97:A:LYS:HA	1:97:A:LYS:HG2	11	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1858)	1:57:B:PRO:HD3	1:57:B:PRO:HA	12	0.25
(1,1857)	1:57:A:PRO:HD3	1:57:A:PRO:HA	12	0.25
(1,1848)	1:59:B:VAL:HG21	1:60:B:LEU:HA	1	0.25
(1,1848)	1:59:B:VAL:HG22	1:60:B:LEU:HA	7	0.25
(1,1848)	1:59:B:VAL:HG21	1:60:B:LEU:HA	8	0.25
(1,1847)	1:59:A:VAL:HG21	1:60:A:LEU:HA	1	0.25
(1,1847)	1:59:A:VAL:HG22	1:60:A:LEU:HA	7	0.25
(1,1847)	1:59:A:VAL:HG21	1:60:A:LEU:HA	8	0.25
(1,1821)	1:11:A:GLU:HG3	1:11:A:GLU:HA	12	0.25
(1,1795)	1:63:A:MET:HG3	1:60:A:LEU:HD23	2	0.25
(1,1740)	1:23:B:LYS:HE2	1:8:A:THR:HB	8	0.25
(1,1739)	1:23:A:LYS:HE2	1:8:B:THR:HB	8	0.25
(1,1686)	1:17:B:LEU:HB2	1:17:B:LEU:HD22	2	0.25
(1,1686)	1:17:B:LEU:HB2	1:17:B:LEU:HD23	10	0.25
(1,1686)	1:17:B:LEU:HB2	1:17:B:LEU:HD22	19	0.25
(1,1685)	1:17:A:LEU:HB2	1:17:A:LEU:HD22	2	0.25
(1,1685)	1:17:A:LEU:HB2	1:17:A:LEU:HD23	10	0.25
(1,1685)	1:17:A:LEU:HB2	1:17:A:LEU:HD22	19	0.25
(1,1681)	1:50:A:PHE:HB2	1:47:A:LEU:HD22	13	0.25
(1,1638)	1:38:B:GLU:HA	1:27:B:LYS:HD2	15	0.25
(1,1637)	1:38:A:GLU:HA	1:27:A:LYS:HD2	15	0.25
(1,1623)	1:67:A:LEU:H	1:67:A:LEU:HD13	12	0.25
(1,1580)	1:57:B:PRO:HD3	1:57:B:PRO:HB2	4	0.25
(1,1580)	1:57:B:PRO:HD3	1:57:B:PRO:HB2	19	0.25
(1,1579)	1:57:A:PRO:HD3	1:57:A:PRO:HB2	4	0.25
(1,1579)	1:57:A:PRO:HD3	1:57:A:PRO:HB2	19	0.25
(1,1426)	1:47:B:LEU:HD13	1:50:B:PHE:HB3	7	0.25
(1,1425)	1:47:A:LEU:HD13	1:50:A:PHE:HB3	7	0.25
(1,1402)	1:15:B:GLU:HA	1:18:B:ILE:HG23	4	0.25
(1,1402)	1:15:B:GLU:HA	1:18:B:ILE:HG23	12	0.25
(1,1402)	1:15:B:GLU:HA	1:18:B:ILE:HG21	13	0.25
(1,1401)	1:15:A:GLU:HA	1:18:A:ILE:HG23	4	0.25
(1,1401)	1:15:A:GLU:HA	1:18:A:ILE:HG23	12	0.25
(1,1401)	1:15:A:GLU:HA	1:18:A:ILE:HG21	13	0.25
(1,1248)	1:27:B:LYS:H	1:27:B:LYS:HD2	1	0.25
(1,1088)	1:84:B:ILE:H	1:81:B:LEU:HD22	8	0.25
(1,1087)	1:84:A:ILE:H	1:81:A:LEU:HD22	8	0.25
(1,1060)	1:16:B:SER:HB3	1:19:B:ALA:HB3	9	0.25
(1,1030)	1:38:B:GLU:HB3	1:24:B:TYR:HB2	9	0.25
(1,1029)	1:38:A:GLU:HB3	1:24:A:TYR:HB2	9	0.25
(1,1016)	1:9:B:GLU:HG3	1:13:B:CYS:HB3	4	0.25
(1,1015)	1:9:A:GLU:HG3	1:13:A:CYS:HB3	4	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1006)	1:9:B:GLU:HG2	1:8:B:THR:HB	4	0.25
(1,1006)	1:9:B:GLU:HG3	1:8:B:THR:HB	10	0.25
(1,1005)	1:9:A:GLU:HG2	1:8:A:THR:HB	4	0.25
(1,1005)	1:9:A:GLU:HG3	1:8:A:THR:HB	10	0.25
(1,986)	1:61:B:ASP:H	1:58:B:GLY:HA3	8	0.25
(1,986)	1:61:B:ASP:H	1:58:B:GLY:HA3	13	0.25
(1,985)	1:61:A:ASP:H	1:58:A:GLY:HA3	8	0.25
(1,954)	1:47:B:LEU:H	1:51:B:THR:HG23	17	0.25
(1,942)	1:18:B:ILE:HG23	1:15:B:GLU:HB3	4	0.25
(1,941)	1:18:A:ILE:HG23	1:15:A:GLU:HB3	4	0.25
(1,902)	1:40:B:LEU:HB3	1:37:B:THR:HG22	7	0.25
(1,901)	1:40:A:LEU:HB3	1:37:A:THR:HG22	7	0.25
(1,844)	1:36:B:LYS:HB2	1:36:B:LYS:HE2	4	0.25
(1,844)	1:36:B:LYS:HB2	1:36:B:LYS:HE2	5	0.25
(1,844)	1:36:B:LYS:HB2	1:36:B:LYS:HE2	11	0.25
(1,844)	1:36:B:LYS:HB2	1:36:B:LYS:HE2	15	0.25
(1,843)	1:36:A:LYS:HB2	1:36:A:LYS:HE2	11	0.25
(1,843)	1:36:A:LYS:HB2	1:36:A:LYS:HE2	19	0.25
(1,836)	1:59:B:VAL:HG21	1:62:B:ARG:H	1	0.25
(1,836)	1:59:B:VAL:HG22	1:62:B:ARG:H	4	0.25
(1,835)	1:59:A:VAL:HG22	1:62:A:ARG:H	4	0.25
(1,794)	1:93:B:ASP:HB3	1:96:B:LEU:HD22	3	0.25
(1,794)	1:93:B:ASP:HB3	1:96:B:LEU:HD21	16	0.25
(1,793)	1:93:A:ASP:HB3	1:96:A:LEU:HD22	3	0.25
(1,793)	1:93:A:ASP:HB3	1:96:A:LEU:HD21	16	0.25
(1,714)	1:16:B:SER:HB3	1:17:B:LEU:HD21	19	0.25
(1,688)	1:46:B:GLU:HG3	1:20:B:VAL:HG23	3	0.25
(1,687)	1:46:A:GLU:HG3	1:20:A:VAL:HG23	3	0.25
(1,674)	1:13:B:CYS:HB2	1:14:B:ILE:HG13	13	0.25
(1,673)	1:13:A:CYS:HB2	1:14:A:ILE:HG13	13	0.25
(1,649)	1:15:A:GLU:HG2	1:16:A:SER:H	20	0.25
(1,648)	1:14:B:ILE:HB	1:88:A:ALA:HB3	4	0.25
(1,647)	1:14:A:ILE:HB	1:88:B:ALA:HB2	20	0.25
(1,610)	1:63:B:MET:H	1:62:B:ARG:HG2	7	0.25
(1,609)	1:63:A:MET:H	1:62:A:ARG:HG2	7	0.25
(1,444)	1:15:B:GLU:HG3	1:91:A:CYS:HB3	1	0.25
(1,443)	1:15:A:GLU:HG3	1:91:B:CYS:HB2	5	0.25
(1,422)	1:18:B:ILE:HG22	1:95:A:PHE:H	18	0.25
(1,396)	1:25:B:ALA:HB2	1:75:B:LEU:H	10	0.25
(1,395)	1:25:A:ALA:HB2	1:75:A:LEU:H	10	0.25
(1,356)	1:60:B:LEU:HB2	1:61:B:ASP:HB3	4	0.25
(1,356)	1:60:B:LEU:HB2	1:61:B:ASP:HB3	10	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,355)	1:60:A:LEU:HB2	1:61:A:ASP:HB3	7	0.25
(1,304)	1:22:B:GLN:HB2	1:18:B:ILE:H	3	0.25
(1,303)	1:22:A:GLN:HB2	1:18:A:ILE:H	3	0.25
(1,219)	1:75:A:LEU:HD11	1:68:A:ASP:HA	10	0.25
(1,218)	1:18:B:ILE:HA	1:95:A:PHE:HB3	12	0.25
(1,148)	1:18:B:ILE:HG22	1:92:A:HIS:H	5	0.25
(1,76)	1:91:B:CYS:HB3	1:14:A:ILE:HG22	8	0.25
(1,73)	1:91:A:CYS:HB3	1:14:B:ILE:HG22	10	0.25
(1,56)	1:17:B:LEU:HD13	1:13:A:CYS:HB2	4	0.25
(1,56)	1:17:B:LEU:HD11	1:13:A:CYS:HB2	18	0.25
(1,55)	1:17:A:LEU:HD12	1:13:B:CYS:HB2	13	0.25
(1,55)	1:17:A:LEU:HD11	1:13:B:CYS:HB2	18	0.25
(1,39)	1:87:A:LEU:HD23	1:14:B:ILE:HD11	14	0.25
(1,11)	1:18:A:ILE:HG21	1:94:B:SER:HB2	13	0.25
(2,91)	1:44:A:ASN:HB3	1:47:A:LEU:H	9	0.24
(1,5762)	1:13:B:CYS:H	1:17:B:LEU:H	12	0.24
(1,5761)	1:13:A:CYS:H	1:17:A:LEU:H	12	0.24
(1,5694)	1:102:B:GLN:H	1:100:B:PRO:HA	17	0.24
(1,5693)	1:102:A:GLN:H	1:100:A:PRO:HA	17	0.24
(1,5682)	1:87:B:LEU:H	1:87:B:LEU:HD13	10	0.24
(1,5678)	1:20:B:VAL:H	1:20:B:VAL:HB	1	0.24
(1,5678)	1:20:B:VAL:H	1:20:B:VAL:HB	3	0.24
(1,5678)	1:20:B:VAL:H	1:20:B:VAL:HB	6	0.24
(1,5677)	1:20:A:VAL:H	1:20:A:VAL:HB	1	0.24
(1,5677)	1:20:A:VAL:H	1:20:A:VAL:HB	6	0.24
(1,5624)	1:84:B:ILE:H	1:87:B:LEU:HD12	7	0.24
(1,5558)	1:88:B:ALA:H	1:81:A:LEU:HD12	2	0.24
(1,5558)	1:88:B:ALA:H	1:81:A:LEU:HD12	18	0.24
(1,5557)	1:88:A:ALA:H	1:81:B:LEU:HD11	12	0.24
(1,5557)	1:88:A:ALA:H	1:81:B:LEU:HD12	18	0.24
(1,5530)	1:39:B:PHE:H	1:40:B:LEU:HD21	11	0.24
(1,5484)	1:51:B:THR:H	1:47:B:LEU:HB2	13	0.24
(1,5483)	1:51:A:THR:H	1:47:A:LEU:HB2	13	0.24
(1,5464)	1:45:B:THR:H	1:46:B:GLU:HB2	4	0.24
(1,5463)	1:45:A:THR:H	1:46:A:GLU:HB2	4	0.24
(1,5440)	1:93:B:ASP:H	1:96:B:LEU:HB2	5	0.24
(1,5414)	1:35:B:SER:H	1:39:B:PHE:H	14	0.24
(1,5414)	1:35:B:SER:H	1:36:B:LYS:H	15	0.24
(1,5414)	1:35:B:SER:H	1:36:B:LYS:H	19	0.24
(1,5414)	1:35:B:SER:H	1:36:B:LYS:H	20	0.24
(1,5413)	1:35:A:SER:H	1:39:A:PHE:H	14	0.24
(1,5413)	1:35:A:SER:H	1:36:A:LYS:H	15	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5413)	1:35:A:SER:H	1:36:A:LYS:H	19	0.24
(1,5412)	1:17:B:LEU:H	1:18:B:ILE:HB	8	0.24
(1,5390)	1:23:B:LYS:H	1:23:B:LYS:HE2	3	0.24
(1,5389)	1:23:A:LYS:H	1:23:A:LYS:HE2	3	0.24
(1,5389)	1:23:A:LYS:H	1:23:A:LYS:HE2	6	0.24
(1,5389)	1:23:A:LYS:H	1:23:A:LYS:HE2	8	0.24
(1,5389)	1:23:A:LYS:H	1:23:A:LYS:HE3	11	0.24
(1,5336)	1:45:B:THR:H	1:46:B:GLU:HA	7	0.24
(1,5336)	1:45:B:THR:H	1:46:B:GLU:HA	11	0.24
(1,5336)	1:45:B:THR:H	1:46:B:GLU:HA	17	0.24
(1,5335)	1:45:A:THR:H	1:46:A:GLU:HA	7	0.24
(1,5335)	1:45:A:THR:H	1:46:A:GLU:HA	11	0.24
(1,5314)	1:92:B:HIS:H	1:18:A:ILE:HG22	8	0.24
(1,5274)	1:77:B:PHE:H	1:34:B:LEU:HD12	10	0.24
(1,5273)	1:77:A:PHE:H	1:34:A:LEU:HD12	10	0.24
(1,5265)	1:8:A:THR:H	1:47:B:LEU:HD21	5	0.24
(1,5132)	1:97:B:LYS:HB3	1:97:B:LYS:HG2	12	0.24
(1,5131)	1:97:A:LYS:HB3	1:97:A:LYS:HG2	12	0.24
(1,5120)	1:40:B:LEU:HG	1:40:B:LEU:HD21	7	0.24
(1,5119)	1:40:A:LEU:HG	1:40:A:LEU:HD21	7	0.24
(1,5112)	1:45:B:THR:HA	1:45:B:THR:HG22	1	0.24
(1,5112)	1:45:B:THR:HA	1:45:B:THR:HG21	11	0.24
(1,5112)	1:45:B:THR:HA	1:45:B:THR:HG21	16	0.24
(1,5111)	1:45:A:THR:HA	1:45:A:THR:HG22	1	0.24
(1,5111)	1:45:A:THR:HA	1:45:A:THR:HG23	10	0.24
(1,5111)	1:45:A:THR:HA	1:45:A:THR:HG21	16	0.24
(1,5110)	1:45:B:THR:HA	1:45:B:THR:HG21	11	0.24
(1,5109)	1:45:A:THR:HA	1:45:A:THR:HG22	3	0.24
(1,5109)	1:45:A:THR:HA	1:45:A:THR:HG21	11	0.24
(1,5109)	1:45:A:THR:HA	1:45:A:THR:HG23	14	0.24
(1,5102)	1:37:B:THR:HA	1:37:B:THR:HG22	7	0.24
(1,5102)	1:37:B:THR:HA	1:37:B:THR:HG21	9	0.24
(1,5101)	1:37:A:THR:HA	1:37:A:THR:HG22	6	0.24
(1,5101)	1:37:A:THR:HA	1:37:A:THR:HG22	7	0.24
(1,5101)	1:37:A:THR:HA	1:37:A:THR:HG21	9	0.24
(1,5101)	1:37:A:THR:HA	1:37:A:THR:HG23	13	0.24
(1,5100)	1:17:B:LEU:HD23	1:17:B:LEU:HB3	3	0.24
(1,5099)	1:17:A:LEU:HD23	1:17:A:LEU:HB3	3	0.24
(1,5099)	1:17:A:LEU:HD22	1:17:A:LEU:HB3	16	0.24
(1,4962)	1:15:B:GLU:HB2	1:12:B:ARG:HA	10	0.24
(1,4938)	1:10:B:THR:HG23	1:87:A:LEU:HD22	19	0.24
(1,4924)	1:52:B:LYS:HG2	1:52:B:LYS:HA	13	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4923)	1:52:A:LYS:HG2	1:52:A:LYS:HA	13	0.24
(1,4856)	1:25:B:ALA:HA	1:34:B:LEU:HD23	2	0.24
(1,4855)	1:25:A:ALA:HA	1:34:A:LEU:HD23	2	0.24
(1,4792)	1:37:B:THR:HA	1:40:B:LEU:HD22	12	0.24
(1,4780)	1:14:B:ILE:HD13	1:88:A:ALA:HA	20	0.24
(1,4733)	1:20:A:VAL:HG23	1:46:A:GLU:HB2	15	0.24
(1,4717)	1:87:A:LEU:HD23	1:14:B:ILE:HB	4	0.24
(1,4710)	1:15:B:GLU:HB3	1:18:B:ILE:HB	2	0.24
(1,4710)	1:15:B:GLU:HB3	1:18:B:ILE:HB	7	0.24
(1,4709)	1:15:A:GLU:HB3	1:18:A:ILE:HB	2	0.24
(1,4709)	1:15:A:GLU:HB3	1:18:A:ILE:HB	7	0.24
(1,4709)	1:15:A:GLU:HB3	1:18:A:ILE:HB	10	0.24
(1,4709)	1:15:A:GLU:HB3	1:18:A:ILE:HB	11	0.24
(1,4644)	1:10:B:THR:HG22	1:20:A:VAL:HB	3	0.24
(1,4644)	1:10:B:THR:HG21	1:20:A:VAL:HB	6	0.24
(1,4634)	1:14:B:ILE:H	1:14:B:ILE:HD12	1	0.24
(1,4633)	1:14:A:ILE:H	1:14:A:ILE:HD12	1	0.24
(1,4590)	1:88:B:ALA:HB1	1:14:A:ILE:HA	6	0.24
(1,4590)	1:88:B:ALA:HB2	1:14:A:ILE:HA	7	0.24
(1,4589)	1:88:A:ALA:HB2	1:14:B:ILE:HA	20	0.24
(1,4459)	1:20:A:VAL:HG23	1:81:A:LEU:HD23	20	0.24
(1,4439)	1:49:A:ALA:HB1	1:50:A:PHE:HB2	7	0.24
(1,4436)	1:45:B:THR:HG21	1:42:B:PHE:HB3	20	0.24
(1,4424)	1:40:B:LEU:HG	1:36:B:LYS:HA	5	0.24
(1,4415)	1:13:A:CYS:H	1:12:A:ARG:HB2	4	0.24
(1,4344)	1:83:B:LEU:HD12	1:87:B:LEU:H	16	0.24
(1,4343)	1:83:A:LEU:HD11	1:87:A:LEU:H	20	0.24
(1,4326)	1:43:B:MET:H	1:60:B:LEU:HD11	11	0.24
(1,4318)	1:67:B:LEU:HD22	1:63:B:MET:HG3	20	0.24
(1,4317)	1:67:A:LEU:HD22	1:63:A:MET:HG3	20	0.24
(1,4238)	1:8:B:THR:HA	1:11:B:GLU:HB2	12	0.24
(1,4234)	1:68:B:ASP:HB2	1:65:B:LYS:HD2	5	0.24
(1,4233)	1:68:A:ASP:HB2	1:65:A:LYS:HD2	5	0.24
(1,4196)	1:52:B:LYS:HD3	1:44:B:ASN:HB3	3	0.24
(1,4195)	1:52:A:LYS:HD3	1:44:A:ASN:HB3	3	0.24
(1,4180)	1:66:B:LYS:HE2	1:63:B:MET:HB3	8	0.24
(1,4176)	1:9:B:GLU:HG2	1:10:B:THR:H	15	0.24
(1,4175)	1:9:A:GLU:HG2	1:10:A:THR:H	15	0.24
(1,4162)	1:22:B:GLN:HA	1:26:B:GLY:HA3	8	0.24
(1,4161)	1:22:A:GLN:HA	1:26:A:GLY:HA3	8	0.24
(1,4160)	1:42:B:PHE:HB3	1:43:B:MET:HB2	1	0.24
(1,4160)	1:42:B:PHE:HB3	1:43:B:MET:HB2	2	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4159)	1:42:A:PHE:HB3	1:43:A:MET:HB2	1	0.24
(1,4060)	1:97:B:LYS:HG3	1:98:B:ALA:H	7	0.24
(1,4060)	1:66:B:LYS:H	1:65:B:LYS:HG2	16	0.24
(1,4059)	1:97:A:LYS:HG3	1:98:A:ALA:H	7	0.24
(1,4059)	1:66:A:LYS:H	1:65:A:LYS:HG2	16	0.24
(1,4054)	1:68:B:ASP:HA	1:69:B:THR:HA	7	0.24
(1,4053)	1:68:A:ASP:HA	1:69:A:THR:HA	7	0.24
(1,4044)	1:57:B:PRO:HG2	1:61:B:ASP:HB2	5	0.24
(1,4043)	1:57:A:PRO:HG2	1:61:A:ASP:HB2	5	0.24
(1,4026)	1:60:B:LEU:HD12	1:44:B:ASN:HB2	10	0.24
(1,4025)	1:60:A:LEU:HD12	1:44:A:ASN:HB2	10	0.24
(1,4024)	1:83:B:LEU:HB3	1:82:B:ASN:HB2	17	0.24
(1,4023)	1:83:A:LEU:HB3	1:82:A:ASN:HB2	17	0.24
(1,4017)	1:60:A:LEU:HD11	1:44:A:ASN:HB2	2	0.24
(1,4017)	1:60:A:LEU:HD11	1:44:A:ASN:HB2	18	0.24
(1,3998)	1:51:B:THR:HG21	1:44:B:ASN:HB3	10	0.24
(1,3997)	1:51:A:THR:HG21	1:44:A:ASN:HB3	10	0.24
(1,3980)	1:82:B:ASN:HA	1:67:B:LEU:HB3	16	0.24
(1,3979)	1:82:A:ASN:HA	1:67:A:LEU:HB3	16	0.24
(1,3906)	1:12:B:ARG:HG3	1:10:B:THR:HA	4	0.24
(1,3905)	1:12:A:ARG:HG3	1:10:A:THR:HA	4	0.24
(1,3890)	1:17:B:LEU:HB2	1:18:B:ILE:HB	17	0.24
(1,3889)	1:17:A:LEU:HB2	1:18:A:ILE:HB	17	0.24
(1,3888)	1:14:B:ILE:HA	1:16:B:SER:HB2	18	0.24
(1,3887)	1:14:A:ILE:HA	1:16:A:SER:HB2	18	0.24
(1,3886)	1:100:B:PRO:HG3	1:96:B:LEU:HG	16	0.24
(1,3880)	1:69:B:THR:HB	1:82:B:ASN:HB3	2	0.24
(1,3858)	1:47:B:LEU:HA	1:50:B:PHE:HA	1	0.24
(1,3857)	1:47:A:LEU:HA	1:50:A:PHE:HA	1	0.24
(1,3842)	1:89:B:MET:HG3	1:86:B:GLY:H	17	0.24
(1,3841)	1:89:A:MET:HG3	1:86:A:GLY:H	17	0.24
(1,3833)	1:17:A:LEU:HD11	1:14:A:ILE:H	7	0.24
(1,3820)	1:47:B:LEU:HD13	1:43:B:MET:H	2	0.24
(1,3819)	1:47:A:LEU:HD13	1:43:A:MET:H	2	0.24
(1,3803)	1:41:A:SER:H	1:40:A:LEU:HG	12	0.24
(1,3799)	1:47:A:LEU:HA	1:87:A:LEU:HD21	12	0.24
(1,3794)	1:74:B:GLN:HA	1:64:B:MET:HG3	19	0.24
(1,3793)	1:74:A:GLN:HA	1:64:A:MET:HG3	19	0.24
(1,3752)	1:11:B:GLU:HB2	1:8:B:THR:HB	3	0.24
(1,3751)	1:11:A:GLU:HB2	1:8:A:THR:HB	3	0.24
(1,3748)	1:84:B:ILE:HB	1:85:B:GLY:HA2	9	0.24
(1,3747)	1:84:A:ILE:HB	1:85:A:GLY:HA2	9	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3746)	1:74:B:GLN:H	1:72:B:ASP:HB3	12	0.24
(1,3740)	1:11:B:GLU:HB2	1:8:B:THR:HB	8	0.24
(1,3739)	1:11:A:GLU:HB2	1:8:A:THR:HB	8	0.24
(1,3732)	1:25:B:ALA:HB3	1:35:B:SER:HB2	19	0.24
(1,3712)	1:83:B:LEU:HB2	1:87:B:LEU:HD13	1	0.24
(1,3712)	1:83:B:LEU:HB2	1:87:B:LEU:HD13	18	0.24
(1,3711)	1:83:A:LEU:HB2	1:87:A:LEU:HD13	1	0.24
(1,3711)	1:83:A:LEU:HB2	1:87:A:LEU:HD13	18	0.24
(1,3708)	1:49:B:ALA:HB3	1:11:A:GLU:HG3	8	0.24
(1,3671)	1:7:A:PRO:HB2	1:8:A:THR:HB	13	0.24
(1,3653)	1:8:A:THR:HB	1:10:A:THR:HA	1	0.24
(1,3652)	1:47:B:LEU:HD21	1:10:A:THR:H	20	0.24
(1,3626)	1:34:B:LEU:HA	1:24:B:TYR:HB2	11	0.24
(1,3625)	1:34:A:LEU:HA	1:24:A:TYR:HB2	11	0.24
(1,3602)	1:64:B:MET:HB3	1:61:B:ASP:HB2	1	0.24
(1,3544)	1:48:B:ALA:HA	1:44:B:ASN:HB3	17	0.24
(1,3543)	1:48:A:ALA:HA	1:44:A:ASN:HB3	17	0.24
(1,3540)	1:73:B:GLY:HA3	1:68:B:ASP:HB2	2	0.24
(1,3539)	1:73:A:GLY:HA3	1:68:A:ASP:HB2	2	0.24
(1,3454)	1:81:B:LEU:HB2	1:77:B:PHE:HB2	4	0.24
(1,3453)	1:81:A:LEU:HB2	1:77:A:PHE:HB2	4	0.24
(1,3448)	1:35:B:SER:HA	1:28:B:ASP:HB3	2	0.24
(1,3419)	1:11:A:GLU:HA	1:47:B:LEU:HA	8	0.24
(1,3411)	1:22:A:GLN:HG3	1:102:B:GLN:HG3	6	0.24
(1,3405)	1:15:A:GLU:HB3	1:102:B:GLN:HG2	1	0.24
(1,3389)	1:17:A:LEU:HD23	1:17:B:LEU:HD11	19	0.24
(1,3381)	1:87:A:LEU:HD23	1:14:B:ILE:HB	4	0.24
(1,3380)	1:20:B:VAL:HG12	1:12:A:ARG:HG3	3	0.24
(1,3372)	1:10:B:THR:HG23	1:87:A:LEU:HD22	19	0.24
(1,3056)	1:94:B:SER:H	1:93:B:ASP:HB2	16	0.24
(1,3055)	1:94:A:SER:H	1:93:A:ASP:HB2	16	0.24
(1,3018)	1:78:B:SER:H	1:77:B:PHE:HB3	2	0.24
(1,3017)	1:78:A:SER:H	1:77:A:PHE:HB3	2	0.24
(1,2885)	1:38:A:GLU:H	1:37:A:THR:HG22	14	0.24
(1,2776)	1:50:B:PHE:H	1:47:B:LEU:HB2	9	0.24
(1,2768)	1:80:B:PHE:H	1:75:B:LEU:HB2	4	0.24
(1,2753)	1:38:A:GLU:H	1:34:A:LEU:HD21	19	0.24
(1,2630)	1:69:B:THR:H	1:67:B:LEU:HB2	16	0.24
(1,2629)	1:69:A:THR:H	1:67:A:LEU:HB2	16	0.24
(1,2362)	1:97:B:LYS:HB2	1:97:B:LYS:HB3	10	0.24
(1,2362)	1:97:B:LYS:HB2	1:97:B:LYS:HB3	11	0.24
(1,2362)	1:97:B:LYS:HB2	1:97:B:LYS:HB3	13	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2362)	1:97:B:LYS:HB2	1:97:B:LYS:HB3	16	0.24
(1,2362)	1:97:B:LYS:HB2	1:97:B:LYS:HB3	20	0.24
(1,2361)	1:97:A:LYS:HB2	1:97:A:LYS:HB3	2	0.24
(1,2361)	1:97:A:LYS:HB2	1:97:A:LYS:HB3	10	0.24
(1,2361)	1:97:A:LYS:HB2	1:97:A:LYS:HB3	13	0.24
(1,2361)	1:97:A:LYS:HB2	1:97:A:LYS:HB3	14	0.24
(1,2361)	1:97:A:LYS:HB2	1:97:A:LYS:HB3	16	0.24
(1,2361)	1:97:A:LYS:HB2	1:97:A:LYS:HB3	20	0.24
(1,2209)	1:97:A:LYS:HA	1:97:A:LYS:HG2	17	0.24
(1,1944)	1:42:B:PHE:HA	1:27:B:LYS:HE2	7	0.24
(1,1943)	1:42:A:PHE:HA	1:27:A:LYS:HE2	7	0.24
(1,1926)	1:21:B:PHE:H	1:20:B:VAL:HG21	4	0.24
(1,1925)	1:21:A:PHE:H	1:20:A:VAL:HG21	4	0.24
(1,1896)	1:19:B:ALA:HB3	1:9:A:GLU:HG2	7	0.24
(1,1895)	1:19:A:ALA:HB3	1:9:B:GLU:HG2	7	0.24
(1,1858)	1:57:B:PRO:HD3	1:57:B:PRO:HA	9	0.24
(1,1857)	1:57:A:PRO:HD3	1:57:A:PRO:HA	3	0.24
(1,1857)	1:57:A:PRO:HD3	1:57:A:PRO:HA	9	0.24
(1,1857)	1:57:A:PRO:HD3	1:57:A:PRO:HA	18	0.24
(1,1848)	1:59:B:VAL:HG22	1:60:B:LEU:HA	3	0.24
(1,1847)	1:59:A:VAL:HG22	1:60:A:LEU:HA	3	0.24
(1,1828)	1:57:B:PRO:HD3	1:57:B:PRO:HA	2	0.24
(1,1824)	1:63:B:MET:HB2	1:67:B:LEU:HD12	10	0.24
(1,1823)	1:63:A:MET:HB2	1:67:A:LEU:HD12	10	0.24
(1,1808)	1:10:B:THR:HA	1:10:B:THR:HG22	2	0.24
(1,1807)	1:10:A:THR:HA	1:10:A:THR:HG22	2	0.24
(1,1739)	1:23:A:LYS:HE2	1:8:B:THR:HB	4	0.24
(1,1686)	1:17:B:LEU:HB2	1:17:B:LEU:HD22	6	0.24
(1,1686)	1:17:B:LEU:HB2	1:17:B:LEU:HD21	11	0.24
(1,1686)	1:17:B:LEU:HB2	1:17:B:LEU:HD22	17	0.24
(1,1685)	1:17:A:LEU:HB2	1:17:A:LEU:HD22	6	0.24
(1,1685)	1:17:A:LEU:HB2	1:17:A:LEU:HD21	11	0.24
(1,1685)	1:17:A:LEU:HB2	1:17:A:LEU:HD22	17	0.24
(1,1624)	1:67:B:LEU:H	1:67:B:LEU:HD13	12	0.24
(1,1624)	1:67:B:LEU:H	1:67:B:LEU:HD13	14	0.24
(1,1623)	1:67:A:LEU:H	1:67:A:LEU:HD13	14	0.24
(1,1608)	1:47:B:LEU:HB2	1:50:B:PHE:HB3	11	0.24
(1,1607)	1:47:A:LEU:HB2	1:50:A:PHE:HB3	11	0.24
(1,1580)	1:57:B:PRO:HD3	1:57:B:PRO:HB2	20	0.24
(1,1579)	1:57:A:PRO:HD3	1:57:A:PRO:HB2	20	0.24
(1,1402)	1:15:B:GLU:HA	1:18:B:ILE:HG23	17	0.24
(1,1401)	1:15:A:GLU:HA	1:18:A:ILE:HG23	17	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1248)	1:27:B:LYS:H	1:27:B:LYS:HD2	3	0.24
(1,1247)	1:27:A:LYS:H	1:27:A:LYS:HD2	1	0.24
(1,1237)	1:62:A:ARG:HB3	1:59:A:VAL:HA	2	0.24
(1,1150)	1:94:B:SER:HB2	1:93:B:ASP:HB3	12	0.24
(1,1149)	1:94:A:SER:HB2	1:93:A:ASP:HB3	12	0.24
(1,1088)	1:84:B:ILE:H	1:81:B:LEU:HD21	2	0.24
(1,1088)	1:84:B:ILE:H	1:81:B:LEU:HD21	13	0.24
(1,1088)	1:84:B:ILE:H	1:81:B:LEU:HD21	19	0.24
(1,1087)	1:84:A:ILE:H	1:81:A:LEU:HD21	2	0.24
(1,1087)	1:84:A:ILE:H	1:81:A:LEU:HD21	13	0.24
(1,1087)	1:84:A:ILE:H	1:81:A:LEU:HD21	19	0.24
(1,1076)	1:7:B:PRO:HG2	1:12:B:ARG:HD3	2	0.24
(1,1075)	1:7:A:PRO:HG2	1:12:A:ARG:HD3	2	0.24
(1,1060)	1:16:B:SER:HB3	1:19:B:ALA:HB3	7	0.24
(1,1006)	1:9:B:GLU:HG2	1:8:B:THR:HB	13	0.24
(1,1005)	1:9:A:GLU:HG2	1:8:A:THR:HB	13	0.24
(1,986)	1:61:B:ASP:H	1:58:B:GLY:HA3	6	0.24
(1,986)	1:61:B:ASP:H	1:58:B:GLY:HA3	11	0.24
(1,986)	1:61:B:ASP:H	1:58:B:GLY:HA3	15	0.24
(1,985)	1:61:A:ASP:H	1:58:A:GLY:HA3	6	0.24
(1,985)	1:61:A:ASP:H	1:58:A:GLY:HA3	11	0.24
(1,985)	1:61:A:ASP:H	1:58:A:GLY:HA3	13	0.24
(1,985)	1:61:A:ASP:H	1:58:A:GLY:HA3	15	0.24
(1,985)	1:61:A:ASP:H	1:58:A:GLY:HA3	17	0.24
(1,972)	1:10:B:THR:HA	1:9:B:GLU:HG2	6	0.24
(1,971)	1:10:A:THR:HA	1:9:A:GLU:HG2	6	0.24
(1,953)	1:47:A:LEU:H	1:51:A:THR:HG23	17	0.24
(1,855)	1:9:A:GLU:HG3	1:17:B:LEU:HD21	19	0.24
(1,844)	1:36:B:LYS:HB2	1:36:B:LYS:HE2	3	0.24
(1,843)	1:36:A:LYS:HB2	1:36:A:LYS:HE2	3	0.24
(1,843)	1:36:A:LYS:HB2	1:36:A:LYS:HE2	4	0.24
(1,843)	1:36:A:LYS:HB2	1:36:A:LYS:HE2	5	0.24
(1,843)	1:36:A:LYS:HB2	1:36:A:LYS:HE2	15	0.24
(1,835)	1:59:A:VAL:HG21	1:62:A:ARG:H	1	0.24
(1,793)	1:93:A:ASP:HB3	1:96:A:LEU:HD23	8	0.24
(1,713)	1:16:A:SER:HB3	1:17:A:LEU:HD21	19	0.24
(1,689)	1:17:A:LEU:HG	1:81:A:LEU:HD23	16	0.24
(1,687)	1:46:A:GLU:HG3	1:20:A:VAL:HG23	6	0.24
(1,650)	1:15:B:GLU:HG2	1:16:B:SER:H	20	0.24
(1,648)	1:14:B:ILE:HB	1:88:A:ALA:HB3	19	0.24
(1,647)	1:14:A:ILE:HB	1:88:B:ALA:HB2	9	0.24
(1,622)	1:63:B:MET:H	1:62:B:ARG:HG2	3	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,622)	1:63:B:MET:H	1:62:B:ARG:HG2	14	0.24
(1,621)	1:63:A:MET:H	1:62:A:ARG:HG2	3	0.24
(1,621)	1:63:A:MET:H	1:62:A:ARG:HG2	14	0.24
(1,484)	1:14:B:ILE:HB	1:10:B:THR:HG21	2	0.24
(1,483)	1:14:A:ILE:HB	1:10:A:THR:HG21	2	0.24
(1,356)	1:60:B:LEU:HB2	1:61:B:ASP:HB3	7	0.24
(1,356)	1:60:B:LEU:HB2	1:61:B:ASP:HB3	18	0.24
(1,355)	1:60:A:LEU:HB2	1:61:A:ASP:HB3	4	0.24
(1,355)	1:60:A:LEU:HB2	1:61:A:ASP:HB3	18	0.24
(1,304)	1:22:B:GLN:HB2	1:18:B:ILE:H	9	0.24
(1,303)	1:22:A:GLN:HB2	1:18:A:ILE:H	9	0.24
(1,286)	1:75:B:LEU:HB3	1:39:B:PHE:HB3	11	0.24
(1,267)	1:75:A:LEU:HB3	1:39:A:PHE:HB3	20	0.24
(1,220)	1:75:B:LEU:HD11	1:68:B:ASP:HA	6	0.24
(1,220)	1:75:B:LEU:HD12	1:68:B:ASP:HA	13	0.24
(1,219)	1:75:A:LEU:HD11	1:68:A:ASP:HA	6	0.24
(1,219)	1:75:A:LEU:HD12	1:68:A:ASP:HA	13	0.24
(1,217)	1:18:A:ILE:HA	1:95:B:PHE:HB3	12	0.24
(1,147)	1:18:A:ILE:HG22	1:92:B:HIS:H	5	0.24
(1,74)	1:91:B:CYS:HB3	1:14:A:ILE:HG22	10	0.24
(1,56)	1:17:B:LEU:HD12	1:13:A:CYS:HB2	13	0.24
(1,12)	1:18:B:ILE:HG21	1:94:A:SER:HB2	13	0.24
(2,123)	1:44:A:ASN:HB2	1:48:A:ALA:H	14	0.23
(2,86)	1:42:B:PHE:HB2	1:47:B:LEU:H	12	0.23
(2,85)	1:42:A:PHE:HB2	1:47:A:LEU:H	12	0.23
(1,5710)	1:26:B:GLY:H	1:29:B:GLY:H	15	0.23
(1,5709)	1:26:A:GLY:H	1:29:A:GLY:H	15	0.23
(1,5704)	1:81:B:LEU:H	1:81:B:LEU:HD21	20	0.23
(1,5703)	1:81:A:LEU:H	1:81:A:LEU:HD21	20	0.23
(1,5681)	1:87:A:LEU:H	1:87:A:LEU:HD13	10	0.23
(1,5623)	1:84:A:ILE:H	1:87:A:LEU:HD12	7	0.23
(1,5558)	1:88:B:ALA:H	1:81:A:LEU:HD11	12	0.23
(1,5558)	1:88:B:ALA:H	1:81:A:LEU:HD13	19	0.23
(1,5556)	1:68:B:ASP:H	1:67:B:LEU:HB3	19	0.23
(1,5555)	1:68:A:ASP:H	1:67:A:LEU:HB3	19	0.23
(1,5539)	1:10:A:THR:H	1:20:B:VAL:HG21	19	0.23
(1,5501)	1:82:A:ASN:H	1:86:A:GLY:H	15	0.23
(1,5464)	1:45:B:THR:H	1:46:B:GLU:HB2	7	0.23
(1,5464)	1:45:B:THR:H	1:46:B:GLU:HB2	18	0.23
(1,5463)	1:45:A:THR:H	1:46:A:GLU:HB2	7	0.23
(1,5463)	1:45:A:THR:H	1:46:A:GLU:HB2	18	0.23
(1,5458)	1:95:B:PHE:H	1:96:B:LEU:HD21	2	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5457)	1:95:A:PHE:H	1:96:A:LEU:HD21	2	0.23
(1,5439)	1:93:A:ASP:H	1:96:A:LEU:HB2	5	0.23
(1,5412)	1:17:B:LEU:H	1:18:B:ILE:HB	13	0.23
(1,5412)	1:17:B:LEU:H	1:18:B:ILE:HB	20	0.23
(1,5411)	1:17:A:LEU:H	1:18:A:ILE:HB	20	0.23
(1,5390)	1:23:B:LYS:H	1:23:B:LYS:HE2	1	0.23
(1,5390)	1:23:B:LYS:H	1:23:B:LYS:HE2	5	0.23
(1,5390)	1:23:B:LYS:H	1:23:B:LYS:HE3	11	0.23
(1,5390)	1:23:B:LYS:H	1:23:B:LYS:HE2	16	0.23
(1,5390)	1:23:B:LYS:H	1:23:B:LYS:HE2	19	0.23
(1,5389)	1:23:A:LYS:H	1:23:A:LYS:HE2	1	0.23
(1,5389)	1:23:A:LYS:H	1:23:A:LYS:HE2	5	0.23
(1,5389)	1:23:A:LYS:H	1:23:A:LYS:HE2	16	0.23
(1,5356)	1:19:B:ALA:H	1:17:B:LEU:HB2	10	0.23
(1,5356)	1:19:B:ALA:H	1:9:A:GLU:HG2	18	0.23
(1,5355)	1:19:A:ALA:H	1:9:B:GLU:HG2	9	0.23
(1,5355)	1:19:A:ALA:H	1:9:B:GLU:HG2	12	0.23
(1,5335)	1:45:A:THR:H	1:46:A:GLU:HA	17	0.23
(1,5312)	1:28:B:ASP:H	1:34:B:LEU:HD22	5	0.23
(1,5311)	1:28:A:ASP:H	1:34:A:LEU:HD22	5	0.23
(1,5280)	1:28:B:ASP:H	1:34:B:LEU:HD22	5	0.23
(1,5279)	1:28:A:ASP:H	1:34:A:LEU:HD22	5	0.23
(1,5242)	1:81:B:LEU:H	1:77:B:PHE:H	11	0.23
(1,5241)	1:81:A:LEU:H	1:77:A:PHE:H	11	0.23
(1,5203)	1:75:A:LEU:H	1:64:A:MET:HG2	17	0.23
(1,5170)	1:57:B:PRO:HG2	1:57:B:PRO:HG3	1	0.23
(1,5170)	1:57:B:PRO:HG2	1:57:B:PRO:HG3	2	0.23
(1,5170)	1:57:B:PRO:HG2	1:57:B:PRO:HG3	3	0.23
(1,5170)	1:57:B:PRO:HG2	1:57:B:PRO:HG3	4	0.23
(1,5170)	1:57:B:PRO:HG2	1:57:B:PRO:HG3	5	0.23
(1,5170)	1:57:B:PRO:HG2	1:57:B:PRO:HG3	6	0.23
(1,5170)	1:57:B:PRO:HG2	1:57:B:PRO:HG3	7	0.23
(1,5170)	1:57:B:PRO:HG2	1:57:B:PRO:HG3	8	0.23
(1,5170)	1:57:B:PRO:HG2	1:57:B:PRO:HG3	9	0.23
(1,5170)	1:7:B:PRO:HG2	1:7:B:PRO:HG3	10	0.23
(1,5170)	1:57:B:PRO:HG2	1:57:B:PRO:HG3	11	0.23
(1,5170)	1:57:B:PRO:HG2	1:57:B:PRO:HG3	12	0.23
(1,5170)	1:57:B:PRO:HG2	1:57:B:PRO:HG3	13	0.23
(1,5170)	1:57:B:PRO:HG2	1:57:B:PRO:HG3	14	0.23
(1,5170)	1:57:B:PRO:HG2	1:57:B:PRO:HG3	17	0.23
(1,5170)	1:57:B:PRO:HG2	1:57:B:PRO:HG3	18	0.23
(1,5170)	1:57:B:PRO:HG2	1:57:B:PRO:HG3	19	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5170)	1:7:B:PRO:HG2	1:7:B:PRO:HG3	20	0.23
(1,5169)	1:57:A:PRO:HG2	1:57:A:PRO:HG3	1	0.23
(1,5169)	1:57:A:PRO:HG2	1:57:A:PRO:HG3	2	0.23
(1,5169)	1:57:A:PRO:HG2	1:57:A:PRO:HG3	3	0.23
(1,5169)	1:57:A:PRO:HG2	1:57:A:PRO:HG3	4	0.23
(1,5169)	1:57:A:PRO:HG2	1:57:A:PRO:HG3	5	0.23
(1,5169)	1:57:A:PRO:HG2	1:57:A:PRO:HG3	6	0.23
(1,5169)	1:57:A:PRO:HG2	1:57:A:PRO:HG3	7	0.23
(1,5169)	1:57:A:PRO:HG2	1:57:A:PRO:HG3	8	0.23
(1,5169)	1:57:A:PRO:HG2	1:57:A:PRO:HG3	9	0.23
(1,5169)	1:7:A:PRO:HG2	1:7:A:PRO:HG3	10	0.23
(1,5169)	1:57:A:PRO:HG2	1:57:A:PRO:HG3	11	0.23
(1,5169)	1:57:A:PRO:HG2	1:57:A:PRO:HG3	12	0.23
(1,5169)	1:57:A:PRO:HG2	1:57:A:PRO:HG3	13	0.23
(1,5169)	1:57:A:PRO:HG2	1:57:A:PRO:HG3	14	0.23
(1,5169)	1:57:A:PRO:HG2	1:57:A:PRO:HG3	17	0.23
(1,5169)	1:57:A:PRO:HG2	1:57:A:PRO:HG3	18	0.23
(1,5169)	1:57:A:PRO:HG2	1:57:A:PRO:HG3	19	0.23
(1,5169)	1:7:A:PRO:HG2	1:7:A:PRO:HG3	20	0.23
(1,5132)	1:66:B:LYS:HB2	1:66:B:LYS:HG3	4	0.23
(1,5131)	1:66:A:LYS:HB2	1:66:A:LYS:HG3	4	0.23
(1,5120)	1:40:B:LEU:HG	1:40:B:LEU:HD22	9	0.23
(1,5119)	1:40:A:LEU:HG	1:40:A:LEU:HD22	9	0.23
(1,5112)	1:45:B:THR:HA	1:45:B:THR:HG21	6	0.23
(1,5112)	1:45:B:THR:HA	1:45:B:THR:HG23	10	0.23
(1,5111)	1:45:A:THR:HA	1:45:A:THR:HG22	2	0.23
(1,5111)	1:45:A:THR:HA	1:45:A:THR:HG21	6	0.23
(1,5111)	1:45:A:THR:HA	1:45:A:THR:HG22	8	0.23
(1,5111)	1:45:A:THR:HA	1:45:A:THR:HG22	12	0.23
(1,5110)	1:45:B:THR:HA	1:45:B:THR:HG22	1	0.23
(1,5110)	1:45:B:THR:HA	1:45:B:THR:HG21	16	0.23
(1,5110)	1:69:B:THR:HB	1:69:B:THR:HG22	17	0.23
(1,5109)	1:45:A:THR:HA	1:45:A:THR:HG22	1	0.23
(1,5109)	1:45:A:THR:HA	1:45:A:THR:HG21	6	0.23
(1,5109)	1:45:A:THR:HA	1:45:A:THR:HG23	10	0.23
(1,5109)	1:45:A:THR:HA	1:45:A:THR:HG21	16	0.23
(1,5109)	1:69:A:THR:HB	1:69:A:THR:HG22	17	0.23
(1,5102)	1:37:B:THR:HA	1:37:B:THR:HG23	4	0.23
(1,5102)	1:37:B:THR:HA	1:37:B:THR:HG22	6	0.23
(1,5101)	1:37:A:THR:HA	1:37:A:THR:HG23	4	0.23
(1,5034)	1:24:B:TYR:HA	1:27:B:LYS:HD2	5	0.23
(1,5033)	1:24:A:TYR:HA	1:27:A:LYS:HD2	5	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4961)	1:15:A:GLU:HB2	1:12:A:ARG:HA	10	0.23
(1,4932)	1:61:B:ASP:HB3	1:61:B:ASP:HA	1	0.23
(1,4932)	1:61:B:ASP:HB3	1:61:B:ASP:HA	9	0.23
(1,4931)	1:61:A:ASP:HB3	1:61:A:ASP:HA	1	0.23
(1,4931)	1:61:A:ASP:HB3	1:61:A:ASP:HA	9	0.23
(1,4904)	1:82:B:ASN:HB2	1:66:B:LYS:HE3	12	0.23
(1,4903)	1:82:A:ASN:HB2	1:66:A:LYS:HE3	12	0.23
(1,4779)	1:14:A:ILE:HD12	1:88:B:ALA:HA	8	0.23
(1,4779)	1:14:A:ILE:HD13	1:88:B:ALA:HA	20	0.23
(1,4753)	1:17:A:LEU:HD22	1:13:B:CYS:HB3	7	0.23
(1,4734)	1:20:B:VAL:HG23	1:46:B:GLU:HB2	15	0.23
(1,4724)	1:17:B:LEU:HG	1:17:A:LEU:HG	10	0.23
(1,4723)	1:17:A:LEU:HG	1:17:B:LEU:HG	10	0.23
(1,4718)	1:87:B:LEU:HD21	1:11:A:GLU:HB3	11	0.23
(1,4710)	1:15:B:GLU:HB3	1:18:B:ILE:HB	10	0.23
(1,4710)	1:15:B:GLU:HB3	1:18:B:ILE:HB	11	0.23
(1,4710)	1:15:B:GLU:HB3	1:18:B:ILE:HB	20	0.23
(1,4709)	1:15:A:GLU:HB3	1:18:A:ILE:HB	3	0.23
(1,4709)	1:15:A:GLU:HB3	1:18:A:ILE:HB	20	0.23
(1,4650)	1:63:B:MET:HB2	1:67:B:LEU:HD13	9	0.23
(1,4649)	1:63:A:MET:HB2	1:67:A:LEU:HD13	9	0.23
(1,4643)	1:10:A:THR:HG22	1:20:B:VAL:HB	3	0.23
(1,4634)	1:14:B:ILE:H	1:14:B:ILE:HD13	7	0.23
(1,4634)	1:14:B:ILE:H	1:14:B:ILE:HD12	16	0.23
(1,4633)	1:14:A:ILE:H	1:14:A:ILE:HD13	7	0.23
(1,4633)	1:14:A:ILE:H	1:14:A:ILE:HD12	16	0.23
(1,4600)	1:43:B:MET:H	1:60:B:LEU:HD11	3	0.23
(1,4600)	1:43:B:MET:H	1:60:B:LEU:HD12	16	0.23
(1,4599)	1:43:A:MET:H	1:60:A:LEU:HD11	3	0.23
(1,4599)	1:43:A:MET:H	1:60:A:LEU:HD12	15	0.23
(1,4599)	1:43:A:MET:H	1:60:A:LEU:HD12	16	0.23
(1,4590)	1:88:B:ALA:HB2	1:14:A:ILE:HA	20	0.23
(1,4589)	1:88:A:ALA:HB1	1:14:B:ILE:HA	6	0.23
(1,4572)	1:47:B:LEU:HD12	1:39:B:PHE:HA	19	0.23
(1,4571)	1:47:A:LEU:HD12	1:39:A:PHE:HA	19	0.23
(1,4548)	1:50:B:PHE:HB2	1:47:B:LEU:HD21	4	0.23
(1,4547)	1:50:A:PHE:HB2	1:47:A:LEU:HD21	4	0.23
(1,4528)	1:49:B:ALA:HB2	1:47:B:LEU:HB2	18	0.23
(1,4527)	1:49:A:ALA:HB2	1:47:A:LEU:HB2	18	0.23
(1,4496)	1:89:B:MET:HA	1:81:A:LEU:HD12	1	0.23
(1,4496)	1:89:B:MET:HA	1:81:A:LEU:HD12	15	0.23
(1,4495)	1:89:A:MET:HA	1:81:B:LEU:HD12	1	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4460)	1:20:B:VAL:HG23	1:81:B:LEU:HD23	20	0.23
(1,4439)	1:49:A:ALA:HB3	1:50:A:PHE:HB2	12	0.23
(1,4435)	1:45:A:THR:HG21	1:42:A:PHE:HB3	20	0.23
(1,4423)	1:40:A:LEU:HG	1:36:A:LYS:HA	5	0.23
(1,4416)	1:13:B:CYS:H	1:12:B:ARG:HB2	4	0.23
(1,4348)	1:82:B:ASN:HB2	1:66:B:LYS:HE3	12	0.23
(1,4347)	1:82:A:ASN:HB2	1:66:A:LYS:HE3	12	0.23
(1,4344)	1:83:B:LEU:HD11	1:87:B:LEU:H	20	0.23
(1,4277)	1:16:A:SER:HA	1:15:A:GLU:HB2	3	0.23
(1,4277)	1:16:A:SER:HA	1:15:A:GLU:HB2	17	0.23
(1,4268)	1:13:B:CYS:HB2	1:14:B:ILE:HB	13	0.23
(1,4267)	1:13:A:CYS:HB2	1:14:A:ILE:HB	13	0.23
(1,4237)	1:8:A:THR:HA	1:11:A:GLU:HB2	12	0.23
(1,4184)	1:13:B:CYS:HA	1:17:B:LEU:HG	15	0.23
(1,4183)	1:13:A:CYS:HA	1:17:A:LEU:HG	15	0.23
(1,4174)	1:67:B:LEU:HD23	1:64:B:MET:HA	12	0.23
(1,4173)	1:67:A:LEU:HD23	1:64:A:MET:HA	12	0.23
(1,4159)	1:42:A:PHE:HB3	1:43:A:MET:HB2	2	0.23
(1,4062)	1:66:B:LYS:H	1:65:B:LYS:HG2	14	0.23
(1,4061)	1:66:A:LYS:H	1:65:A:LYS:HG2	14	0.23
(1,4054)	1:68:B:ASP:HA	1:69:B:THR:HA	4	0.23
(1,4054)	1:68:B:ASP:HA	1:69:B:THR:HA	12	0.23
(1,4054)	1:68:B:ASP:HA	1:69:B:THR:HA	13	0.23
(1,4053)	1:68:A:ASP:HA	1:69:A:THR:HA	4	0.23
(1,4053)	1:68:A:ASP:HA	1:69:A:THR:HA	12	0.23
(1,4053)	1:68:A:ASP:HA	1:69:A:THR:HA	13	0.23
(1,4044)	1:40:B:LEU:HG	1:61:B:ASP:HB2	11	0.23
(1,4028)	1:99:B:VAL:HG21	1:102:B:GLN:H	19	0.23
(1,4018)	1:60:B:LEU:HD12	1:44:B:ASN:HB2	10	0.23
(1,4018)	1:60:B:LEU:HD11	1:44:B:ASN:HB2	18	0.23
(1,4017)	1:60:A:LEU:HD12	1:44:A:ASN:HB2	10	0.23
(1,4014)	1:98:B:ALA:H	1:97:B:LYS:HD2	15	0.23
(1,4013)	1:98:A:ALA:H	1:97:A:LYS:HD2	15	0.23
(1,4006)	1:28:B:ASP:HA	1:27:B:LYS:HB2	7	0.23
(1,4005)	1:28:A:ASP:HA	1:27:A:LYS:HB2	7	0.23
(1,4004)	1:51:B:THR:HB	1:50:B:PHE:HB3	4	0.23
(1,4004)	1:51:B:THR:HB	1:50:B:PHE:HB3	6	0.23
(1,4004)	1:51:B:THR:HB	1:50:B:PHE:HB3	8	0.23
(1,4004)	1:51:B:THR:HB	1:50:B:PHE:HB3	12	0.23
(1,4003)	1:51:A:THR:HB	1:50:A:PHE:HB3	4	0.23
(1,4003)	1:51:A:THR:HB	1:50:A:PHE:HB3	6	0.23
(1,4003)	1:51:A:THR:HB	1:50:A:PHE:HB3	8	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3982)	1:94:B:SER:HA	1:97:B:LYS:HE3	14	0.23
(1,3981)	1:94:A:SER:HA	1:97:A:LYS:HE3	14	0.23
(1,3972)	1:34:B:LEU:HD13	1:80:B:PHE:HB3	1	0.23
(1,3971)	1:34:A:LEU:HD13	1:80:A:PHE:HB3	1	0.23
(1,3952)	1:15:B:GLU:HA	1:14:B:ILE:HA	12	0.23
(1,3951)	1:15:A:GLU:HA	1:14:A:ILE:HA	12	0.23
(1,3934)	1:34:B:LEU:HA	1:35:B:SER:HB3	4	0.23
(1,3933)	1:34:A:LEU:HA	1:35:A:SER:HB3	4	0.23
(1,3933)	1:34:A:LEU:HA	1:35:A:SER:HB3	10	0.23
(1,3915)	1:10:A:THR:HB	1:47:B:LEU:HD21	11	0.23
(1,3905)	1:12:A:ARG:HG3	1:10:A:THR:HA	19	0.23
(1,3888)	1:14:B:ILE:HA	1:13:B:CYS:HA	12	0.23
(1,3887)	1:14:A:ILE:HA	1:13:A:CYS:HA	12	0.23
(1,3886)	1:100:B:PRO:HG3	1:96:B:LEU:HG	7	0.23
(1,3886)	1:100:B:PRO:HG3	1:96:B:LEU:HG	10	0.23
(1,3886)	1:100:B:PRO:HG3	1:96:B:LEU:HG	11	0.23
(1,3886)	1:100:B:PRO:HG3	1:96:B:LEU:HG	17	0.23
(1,3885)	1:100:A:PRO:HG3	1:96:A:LEU:HG	7	0.23
(1,3885)	1:100:A:PRO:HG3	1:96:A:LEU:HG	10	0.23
(1,3885)	1:100:A:PRO:HG3	1:96:A:LEU:HG	11	0.23
(1,3885)	1:100:A:PRO:HG3	1:96:A:LEU:HG	16	0.23
(1,3885)	1:100:A:PRO:HG3	1:96:A:LEU:HG	17	0.23
(1,3879)	1:69:A:THR:HB	1:82:A:ASN:HB3	2	0.23
(1,3842)	1:89:B:MET:HG3	1:86:B:GLY:H	3	0.23
(1,3841)	1:89:A:MET:HG3	1:86:A:GLY:H	3	0.23
(1,3820)	1:47:B:LEU:HD11	1:43:B:MET:H	12	0.23
(1,3819)	1:47:A:LEU:HD11	1:43:A:MET:H	12	0.23
(1,3804)	1:41:B:SER:H	1:40:B:LEU:HG	12	0.23
(1,3752)	1:11:B:GLU:HB2	1:8:B:THR:HB	14	0.23
(1,3751)	1:11:A:GLU:HB2	1:8:A:THR:HB	14	0.23
(1,3745)	1:74:A:GLN:H	1:72:A:ASP:HB3	12	0.23
(1,3732)	1:25:B:ALA:HB2	1:35:B:SER:HB2	2	0.23
(1,3731)	1:25:A:ALA:HB2	1:35:A:SER:HB2	2	0.23
(1,3712)	1:83:B:LEU:HB2	1:87:B:LEU:HD12	4	0.23
(1,3711)	1:83:A:LEU:HB2	1:87:A:LEU:HD12	4	0.23
(1,3708)	1:49:B:ALA:HB1	1:11:A:GLU:HG3	19	0.23
(1,3654)	1:8:B:THR:HB	1:10:B:THR:HA	1	0.23
(1,3651)	1:47:A:LEU:HD23	1:10:B:THR:H	15	0.23
(1,3642)	1:44:B:ASN:HB2	1:40:B:LEU:HA	2	0.23
(1,3641)	1:44:A:ASN:HB2	1:40:A:LEU:HA	2	0.23
(1,3634)	1:73:B:GLY:HA2	1:36:B:LYS:HB2	2	0.23
(1,3634)	1:73:B:GLY:HA2	1:36:B:LYS:HB2	15	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3633)	1:73:A:GLY:HA2	1:36:A:LYS:HB2	2	0.23
(1,3633)	1:73:A:GLY:HA2	1:36:A:LYS:HB2	15	0.23
(1,3630)	1:63:B:MET:HG3	1:64:B:MET:HA	10	0.23
(1,3605)	1:77:A:PHE:HB3	1:88:B:ALA:HB1	9	0.23
(1,3601)	1:64:A:MET:HB3	1:61:A:ASP:HB2	1	0.23
(1,3508)	1:46:B:GLU:HB3	1:45:B:THR:HB	3	0.23
(1,3507)	1:46:A:GLU:HB3	1:45:A:THR:HB	3	0.23
(1,3447)	1:35:A:SER:HA	1:28:A:ASP:HB3	2	0.23
(1,3406)	1:15:B:GLU:HB3	1:102:A:GLN:HG2	1	0.23
(1,3404)	1:9:B:GLU:HB3	1:16:A:SER:HB3	7	0.23
(1,3390)	1:17:B:LEU:HD22	1:17:A:LEU:HD11	10	0.23
(1,3389)	1:17:A:LEU:HD22	1:17:B:LEU:HD11	10	0.23
(1,3382)	1:87:B:LEU:HD21	1:11:A:GLU:HB3	11	0.23
(1,3380)	1:20:B:VAL:HG11	1:12:A:ARG:HG3	8	0.23
(1,3379)	1:20:A:VAL:HG11	1:12:B:ARG:HG3	8	0.23
(1,2775)	1:50:A:PHE:H	1:47:A:LEU:HB2	9	0.23
(1,2754)	1:38:B:GLU:H	1:34:B:LEU:HD21	1	0.23
(1,2754)	1:38:B:GLU:H	1:34:B:LEU:HD21	19	0.23
(1,2753)	1:38:A:GLU:H	1:34:A:LEU:HD21	1	0.23
(1,2753)	1:38:A:GLU:H	1:34:A:LEU:HD22	10	0.23
(1,2726)	1:77:B:PHE:H	1:33:B:THR:HG21	17	0.23
(1,2725)	1:77:A:PHE:H	1:33:A:THR:HG22	12	0.23
(1,2725)	1:77:A:PHE:H	1:33:A:THR:HG21	17	0.23
(1,2626)	1:86:B:GLY:H	1:89:B:MET:HB2	9	0.23
(1,2362)	1:97:B:LYS:HB2	1:97:B:LYS:HB3	1	0.23
(1,2362)	1:97:B:LYS:HB2	1:97:B:LYS:HB3	2	0.23
(1,2362)	1:97:B:LYS:HB2	1:97:B:LYS:HB3	3	0.23
(1,2362)	1:97:B:LYS:HB2	1:97:B:LYS:HB3	4	0.23
(1,2362)	1:97:B:LYS:HB2	1:97:B:LYS:HB3	5	0.23
(1,2362)	1:97:B:LYS:HB2	1:97:B:LYS:HB3	6	0.23
(1,2362)	1:97:B:LYS:HB2	1:97:B:LYS:HB3	7	0.23
(1,2362)	1:97:B:LYS:HB2	1:97:B:LYS:HB3	8	0.23
(1,2362)	1:97:B:LYS:HB2	1:97:B:LYS:HB3	9	0.23
(1,2362)	1:97:B:LYS:HB2	1:97:B:LYS:HB3	12	0.23
(1,2362)	1:97:B:LYS:HB2	1:97:B:LYS:HB3	14	0.23
(1,2362)	1:97:B:LYS:HB2	1:97:B:LYS:HB3	15	0.23
(1,2362)	1:97:B:LYS:HB2	1:97:B:LYS:HB3	17	0.23
(1,2362)	1:97:B:LYS:HB2	1:97:B:LYS:HB3	18	0.23
(1,2362)	1:97:B:LYS:HB2	1:97:B:LYS:HB3	19	0.23
(1,2361)	1:97:A:LYS:HB2	1:97:A:LYS:HB3	1	0.23
(1,2361)	1:97:A:LYS:HB2	1:97:A:LYS:HB3	3	0.23
(1,2361)	1:97:A:LYS:HB2	1:97:A:LYS:HB3	4	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2361)	1:97:A:LYS:HB2	1:97:A:LYS:HB3	5	0.23
(1,2361)	1:97:A:LYS:HB2	1:97:A:LYS:HB3	6	0.23
(1,2361)	1:97:A:LYS:HB2	1:97:A:LYS:HB3	7	0.23
(1,2361)	1:97:A:LYS:HB2	1:97:A:LYS:HB3	8	0.23
(1,2361)	1:97:A:LYS:HB2	1:97:A:LYS:HB3	9	0.23
(1,2361)	1:97:A:LYS:HB2	1:97:A:LYS:HB3	11	0.23
(1,2361)	1:97:A:LYS:HB2	1:97:A:LYS:HB3	12	0.23
(1,2361)	1:97:A:LYS:HB2	1:97:A:LYS:HB3	15	0.23
(1,2361)	1:97:A:LYS:HB2	1:97:A:LYS:HB3	17	0.23
(1,2361)	1:97:A:LYS:HB2	1:97:A:LYS:HB3	18	0.23
(1,2361)	1:97:A:LYS:HB2	1:97:A:LYS:HB3	19	0.23
(1,2318)	1:17:B:LEU:HD11	1:17:B:LEU:HD23	9	0.23
(1,2317)	1:17:A:LEU:HD11	1:17:A:LEU:HD23	9	0.23
(1,1896)	1:19:B:ALA:HB3	1:9:A:GLU:HG3	6	0.23
(1,1895)	1:19:A:ALA:HB3	1:9:B:GLU:HG3	6	0.23
(1,1894)	1:25:B:ALA:HA	1:34:B:LEU:HD23	15	0.23
(1,1893)	1:25:A:ALA:HA	1:34:A:LEU:HD23	15	0.23
(1,1858)	1:57:B:PRO:HD3	1:57:B:PRO:HA	3	0.23
(1,1858)	1:57:B:PRO:HD3	1:57:B:PRO:HA	18	0.23
(1,1848)	1:59:B:VAL:HG22	1:60:B:LEU:HA	4	0.23
(1,1848)	1:59:B:VAL:HG22	1:60:B:LEU:HA	10	0.23
(1,1847)	1:59:A:VAL:HG22	1:60:A:LEU:HA	4	0.23
(1,1847)	1:59:A:VAL:HG22	1:60:A:LEU:HA	10	0.23
(1,1828)	1:57:B:PRO:HD3	1:57:B:PRO:HA	5	0.23
(1,1827)	1:57:A:PRO:HD3	1:57:A:PRO:HA	2	0.23
(1,1827)	1:57:A:PRO:HD3	1:57:A:PRO:HA	5	0.23
(1,1808)	1:10:B:THR:HA	1:10:B:THR:HG21	6	0.23
(1,1808)	1:10:B:THR:HA	1:10:B:THR:HG22	13	0.23
(1,1807)	1:10:A:THR:HA	1:10:A:THR:HG21	6	0.23
(1,1807)	1:10:A:THR:HA	1:10:A:THR:HG22	13	0.23
(1,1707)	1:82:A:ASN:HB2	1:67:A:LEU:HD22	9	0.23
(1,1686)	1:17:B:LEU:HB2	1:17:B:LEU:HD21	5	0.23
(1,1686)	1:17:B:LEU:HB2	1:17:B:LEU:HD22	8	0.23
(1,1686)	1:17:B:LEU:HB2	1:17:B:LEU:HD21	14	0.23
(1,1685)	1:17:A:LEU:HB2	1:17:A:LEU:HD21	5	0.23
(1,1685)	1:17:A:LEU:HB2	1:17:A:LEU:HD21	14	0.23
(1,1638)	1:38:B:GLU:HA	1:27:B:LYS:HD2	11	0.23
(1,1637)	1:38:A:GLU:HA	1:27:A:LYS:HD2	11	0.23
(1,1631)	1:60:A:LEU:H	1:59:A:VAL:HG22	10	0.23
(1,1624)	1:67:B:LEU:H	1:67:B:LEU:HD11	6	0.23
(1,1623)	1:67:A:LEU:H	1:67:A:LEU:HD11	6	0.23
(1,1623)	1:67:A:LEU:H	1:67:A:LEU:HD13	11	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1600)	1:13:B:CYS:HB2	1:17:A:LEU:HD21	9	0.23
(1,1599)	1:13:A:CYS:HB2	1:17:B:LEU:HD21	9	0.23
(1,1454)	1:48:B:ALA:HA	1:51:B:THR:HG23	6	0.23
(1,1247)	1:27:A:LYS:H	1:27:A:LYS:HD2	3	0.23
(1,1238)	1:62:B:ARG:HB3	1:59:B:VAL:HA	2	0.23
(1,1238)	1:62:B:ARG:HB3	1:59:B:VAL:HA	18	0.23
(1,1237)	1:62:A:ARG:HB3	1:59:A:VAL:HA	18	0.23
(1,1206)	1:48:B:ALA:HB2	1:52:B:LYS:H	9	0.23
(1,1198)	1:97:B:LYS:HB2	1:97:B:LYS:HE3	13	0.23
(1,1197)	1:97:A:LYS:HB2	1:97:A:LYS:HE3	13	0.23
(1,1134)	1:33:B:THR:HB	1:74:B:GLN:HG3	1	0.23
(1,1088)	1:84:B:ILE:H	1:81:B:LEU:HD22	5	0.23
(1,1088)	1:84:B:ILE:H	1:81:B:LEU:HD22	6	0.23
(1,1087)	1:84:A:ILE:H	1:81:A:LEU:HD22	5	0.23
(1,1087)	1:84:A:ILE:H	1:81:A:LEU:HD22	6	0.23
(1,1059)	1:16:A:SER:HB3	1:19:A:ALA:HB3	7	0.23
(1,1006)	1:9:B:GLU:HG2	1:8:B:THR:HB	18	0.23
(1,1005)	1:9:A:GLU:HG2	1:8:A:THR:HB	18	0.23
(1,994)	1:21:B:PHE:HB2	1:22:B:GLN:HA	15	0.23
(1,993)	1:21:A:PHE:HB2	1:22:A:GLN:HA	15	0.23
(1,986)	1:61:B:ASP:H	1:58:B:GLY:HA3	4	0.23
(1,986)	1:61:B:ASP:H	1:58:B:GLY:HA3	17	0.23
(1,985)	1:61:A:ASP:H	1:58:A:GLY:HA3	4	0.23
(1,902)	1:40:B:LEU:HB3	1:37:B:THR:HG22	2	0.23
(1,901)	1:40:A:LEU:HB3	1:37:A:THR:HG22	2	0.23
(1,856)	1:9:B:GLU:HG3	1:17:A:LEU:HD23	10	0.23
(1,794)	1:93:B:ASP:HB3	1:96:B:LEU:HD23	8	0.23
(1,716)	1:76:B:ASP:HA	1:77:B:PHE:HB2	6	0.23
(1,715)	1:76:A:ASP:HA	1:77:A:PHE:HB2	6	0.23
(1,708)	1:67:B:LEU:HB2	1:66:B:LYS:HB3	6	0.23
(1,707)	1:67:A:LEU:HB2	1:66:A:LYS:HB3	6	0.23
(1,690)	1:17:B:LEU:HG	1:81:B:LEU:HD23	15	0.23
(1,690)	1:17:B:LEU:HG	1:81:B:LEU:HD23	16	0.23
(1,689)	1:17:A:LEU:HG	1:81:A:LEU:HD23	15	0.23
(1,688)	1:46:B:GLU:HG3	1:20:B:VAL:HG23	1	0.23
(1,688)	1:46:B:GLU:HG3	1:20:B:VAL:HG23	6	0.23
(1,687)	1:46:A:GLU:HG3	1:20:A:VAL:HG23	1	0.23
(1,662)	1:73:B:GLY:HA2	1:74:B:GLN:HG3	4	0.23
(1,661)	1:73:A:GLY:HA2	1:74:A:GLN:HG3	4	0.23
(1,648)	1:14:B:ILE:HB	1:88:A:ALA:HB2	9	0.23
(1,647)	1:14:A:ILE:HB	1:88:B:ALA:HB3	3	0.23
(1,622)	1:63:B:MET:H	1:62:B:ARG:HG2	18	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,551)	1:42:A:PHE:HA	1:45:A:THR:HG21	3	0.23
(1,540)	1:16:B:SER:HA	1:15:B:GLU:H	5	0.23
(1,539)	1:16:A:SER:HA	1:15:A:GLU:H	5	0.23
(1,364)	1:47:B:LEU:HD22	1:10:A:THR:H	9	0.23
(1,364)	1:47:B:LEU:HD21	1:10:A:THR:H	19	0.23
(1,326)	1:96:B:LEU:HG	1:95:B:PHE:HB3	15	0.23
(1,325)	1:96:A:LEU:HG	1:95:A:PHE:HB3	15	0.23
(1,285)	1:75:A:LEU:HB3	1:39:A:PHE:HB3	11	0.23
(1,268)	1:75:B:LEU:HB3	1:39:B:PHE:HB3	20	0.23
(1,146)	1:78:B:SER:HB2	1:81:B:LEU:HB3	1	0.23
(1,145)	1:78:A:SER:HB2	1:81:A:LEU:HB3	1	0.23
(1,136)	1:89:B:MET:HG2	1:85:B:GLY:HA3	7	0.23
(1,135)	1:89:A:MET:HG2	1:85:A:GLY:HA3	7	0.23
(1,75)	1:91:A:CYS:HB3	1:14:B:ILE:HG22	8	0.23
(1,55)	1:17:A:LEU:HD13	1:13:B:CYS:HB2	4	0.23
(1,55)	1:17:A:LEU:HD12	1:13:B:CYS:HB2	7	0.23
(2,124)	1:44:B:ASN:HB2	1:48:B:ALA:H	6	0.22
(2,124)	1:44:B:ASN:HB2	1:48:B:ALA:H	14	0.22
(2,123)	1:44:A:ASN:HB2	1:48:A:ALA:H	6	0.22
(2,92)	1:44:B:ASN:HB3	1:47:B:LEU:H	2	0.22
(2,58)	1:8:B:THR:HB	1:45:A:THR:HB	20	0.22
(2,57)	1:8:A:THR:HB	1:45:B:THR:HB	20	0.22
(1,5694)	1:102:B:GLN:H	1:100:B:PRO:HA	7	0.22
(1,5693)	1:102:A:GLN:H	1:100:A:PRO:HA	7	0.22
(1,5682)	1:87:B:LEU:H	1:87:B:LEU:HD12	6	0.22
(1,5557)	1:88:A:ALA:H	1:81:B:LEU:HD13	8	0.22
(1,5557)	1:88:A:ALA:H	1:81:B:LEU:HD13	19	0.22
(1,5502)	1:82:B:ASN:H	1:86:B:GLY:H	15	0.22
(1,5490)	1:21:B:PHE:H	1:23:B:LYS:H	14	0.22
(1,5489)	1:21:A:PHE:H	1:23:A:LYS:H	14	0.22
(1,5464)	1:45:B:THR:H	1:46:B:GLU:HB2	12	0.22
(1,5463)	1:45:A:THR:H	1:46:A:GLU:HB2	12	0.22
(1,5436)	1:42:B:PHE:H	1:60:B:LEU:HD11	11	0.22
(1,5435)	1:42:A:PHE:H	1:60:A:LEU:HD11	11	0.22
(1,5413)	1:35:A:SER:H	1:36:A:LYS:H	16	0.22
(1,5412)	1:17:B:LEU:H	1:18:B:ILE:HB	11	0.22
(1,5411)	1:17:A:LEU:H	1:18:A:ILE:HB	11	0.22
(1,5411)	1:17:A:LEU:H	1:18:A:ILE:HB	13	0.22
(1,5389)	1:23:A:LYS:H	1:23:A:LYS:HE2	19	0.22
(1,5356)	1:19:B:ALA:H	1:9:A:GLU:HG2	12	0.22
(1,5355)	1:19:A:ALA:H	1:17:A:LEU:HB2	10	0.22
(1,5355)	1:19:A:ALA:H	1:9:B:GLU:HG2	18	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5342)	1:93:B:ASP:H	1:96:B:LEU:HD22	7	0.22
(1,5342)	1:93:B:ASP:H	1:96:B:LEU:HD23	19	0.22
(1,5341)	1:93:A:ASP:H	1:96:A:LEU:HD22	7	0.22
(1,5341)	1:93:A:ASP:H	1:96:A:LEU:HD23	19	0.22
(1,5313)	1:92:A:HIS:H	1:18:B:ILE:HG22	8	0.22
(1,5312)	1:28:B:ASP:H	1:34:B:LEU:HD22	3	0.22
(1,5311)	1:28:A:ASP:H	1:34:A:LEU:HD22	3	0.22
(1,5283)	1:98:A:ALA:H	1:96:A:LEU:HD22	5	0.22
(1,5283)	1:98:A:ALA:H	1:96:A:LEU:HD22	9	0.22
(1,5280)	1:28:B:ASP:H	1:34:B:LEU:HD22	3	0.22
(1,5279)	1:28:A:ASP:H	1:34:A:LEU:HD22	3	0.22
(1,5276)	1:94:B:SER:H	1:96:B:LEU:HD23	17	0.22
(1,5275)	1:94:A:SER:H	1:96:A:LEU:HD23	17	0.22
(1,5204)	1:75:B:LEU:H	1:64:B:MET:HG2	17	0.22
(1,5174)	1:90:B:ALA:HB2	1:90:B:ALA:HB3	1	0.22
(1,5174)	1:19:B:ALA:HB2	1:19:B:ALA:HB1	2	0.22
(1,5174)	1:19:B:ALA:HB2	1:19:B:ALA:HB1	3	0.22
(1,5174)	1:90:B:ALA:HB2	1:90:B:ALA:HB1	4	0.22
(1,5174)	1:90:B:ALA:HB2	1:90:B:ALA:HB3	5	0.22
(1,5174)	1:19:B:ALA:HB2	1:19:B:ALA:HB1	6	0.22
(1,5174)	1:90:B:ALA:HB2	1:90:B:ALA:HB3	7	0.22
(1,5174)	1:19:B:ALA:HB2	1:19:B:ALA:HB1	8	0.22
(1,5174)	1:90:B:ALA:HB2	1:90:B:ALA:HB1	9	0.22
(1,5174)	1:90:B:ALA:HB2	1:90:B:ALA:HB3	10	0.22
(1,5174)	1:90:B:ALA:HB1	1:90:B:ALA:HB3	11	0.22
(1,5174)	1:90:B:ALA:HB1	1:90:B:ALA:HB3	12	0.22
(1,5174)	1:90:B:ALA:HB2	1:90:B:ALA:HB3	13	0.22
(1,5174)	1:90:B:ALA:HB1	1:90:B:ALA:HB3	14	0.22
(1,5174)	1:90:B:ALA:HB1	1:90:B:ALA:HB3	15	0.22
(1,5174)	1:90:B:ALA:HB2	1:90:B:ALA:HB1	16	0.22
(1,5174)	1:19:B:ALA:HB2	1:19:B:ALA:HB1	17	0.22
(1,5174)	1:90:B:ALA:HB2	1:90:B:ALA:HB1	18	0.22
(1,5174)	1:19:B:ALA:HB2	1:19:B:ALA:HB1	19	0.22
(1,5174)	1:19:B:ALA:HB2	1:19:B:ALA:HB3	20	0.22
(1,5173)	1:90:A:ALA:HB2	1:90:A:ALA:HB3	1	0.22
(1,5173)	1:90:A:ALA:HB2	1:90:A:ALA:HB3	2	0.22
(1,5173)	1:90:A:ALA:HB2	1:90:A:ALA:HB3	3	0.22
(1,5173)	1:19:A:ALA:HB2	1:19:A:ALA:HB1	4	0.22
(1,5173)	1:90:A:ALA:HB2	1:90:A:ALA:HB3	5	0.22
(1,5173)	1:90:A:ALA:HB2	1:90:A:ALA:HB1	6	0.22
(1,5173)	1:19:A:ALA:HB1	1:19:A:ALA:HB3	7	0.22
(1,5173)	1:90:A:ALA:HB2	1:90:A:ALA:HB1	8	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5173)	1:19:A:ALA:HB2	1:19:A:ALA:HB1	9	0.22
(1,5173)	1:90:A:ALA:HB2	1:90:A:ALA:HB3	10	0.22
(1,5173)	1:90:A:ALA:HB1	1:90:A:ALA:HB3	11	0.22
(1,5173)	1:90:A:ALA:HB1	1:90:A:ALA:HB3	12	0.22
(1,5173)	1:19:A:ALA:HB1	1:19:A:ALA:HB3	13	0.22
(1,5173)	1:90:A:ALA:HB2	1:90:A:ALA:HB1	14	0.22
(1,5173)	1:90:A:ALA:HB1	1:90:A:ALA:HB3	15	0.22
(1,5173)	1:90:A:ALA:HB2	1:90:A:ALA:HB1	16	0.22
(1,5173)	1:90:A:ALA:HB2	1:90:A:ALA:HB1	17	0.22
(1,5173)	1:19:A:ALA:HB1	1:19:A:ALA:HB3	18	0.22
(1,5173)	1:90:A:ALA:HB1	1:90:A:ALA:HB3	19	0.22
(1,5173)	1:19:A:ALA:HB2	1:19:A:ALA:HB3	20	0.22
(1,5170)	1:57:B:PRO:HG2	1:57:B:PRO:HG3	15	0.22
(1,5170)	1:57:B:PRO:HG2	1:57:B:PRO:HG3	16	0.22
(1,5169)	1:57:A:PRO:HG2	1:57:A:PRO:HG3	15	0.22
(1,5169)	1:57:A:PRO:HG2	1:57:A:PRO:HG3	16	0.22
(1,5120)	1:60:B:LEU:HB2	1:40:B:LEU:HD22	2	0.22
(1,5119)	1:60:A:LEU:HB2	1:40:A:LEU:HD22	2	0.22
(1,5112)	1:45:B:THR:HA	1:45:B:THR:HG22	2	0.22
(1,5112)	1:45:B:THR:HB	1:45:B:THR:HG22	7	0.22
(1,5112)	1:45:B:THR:HA	1:45:B:THR:HG22	8	0.22
(1,5112)	1:45:B:THR:HA	1:45:B:THR:HG22	12	0.22
(1,5112)	1:45:B:THR:HA	1:45:B:THR:HG22	19	0.22
(1,5111)	1:45:A:THR:HB	1:45:A:THR:HG22	7	0.22
(1,5110)	1:45:B:THR:HA	1:45:B:THR:HG22	2	0.22
(1,5110)	1:45:B:THR:HA	1:45:B:THR:HG21	6	0.22
(1,5110)	1:45:B:THR:HB	1:45:B:THR:HG22	7	0.22
(1,5110)	1:45:B:THR:HA	1:45:B:THR:HG22	8	0.22
(1,5110)	1:45:B:THR:HA	1:45:B:THR:HG23	10	0.22
(1,5109)	1:45:A:THR:HA	1:45:A:THR:HG22	2	0.22
(1,5109)	1:45:A:THR:HB	1:45:A:THR:HG22	7	0.22
(1,5109)	1:45:A:THR:HA	1:45:A:THR:HG22	8	0.22
(1,5109)	1:45:A:THR:HA	1:45:A:THR:HG22	12	0.22
(1,5100)	1:17:B:LEU:HD21	1:17:B:LEU:HB3	1	0.22
(1,5099)	1:17:A:LEU:HD21	1:17:A:LEU:HB3	1	0.22
(1,5062)	1:66:B:LYS:HG3	1:66:B:LYS:HA	11	0.22
(1,5061)	1:66:A:LYS:HG3	1:66:A:LYS:HA	11	0.22
(1,4962)	1:15:B:GLU:HB2	1:12:B:ARG:HA	5	0.22
(1,4961)	1:15:A:GLU:HB2	1:12:A:ARG:HA	5	0.22
(1,4937)	1:10:A:THR:HG23	1:87:B:LEU:HD22	19	0.22
(1,4932)	1:61:B:ASP:HB3	1:61:B:ASP:HA	3	0.22
(1,4932)	1:61:B:ASP:HB3	1:61:B:ASP:HA	7	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4932)	1:93:B:ASP:HB3	1:93:B:ASP:HA	8	0.22
(1,4932)	1:61:B:ASP:HB3	1:61:B:ASP:HA	10	0.22
(1,4932)	1:61:B:ASP:HB3	1:61:B:ASP:HA	13	0.22
(1,4932)	1:61:B:ASP:HB3	1:61:B:ASP:HA	16	0.22
(1,4932)	1:61:B:ASP:HB3	1:61:B:ASP:HA	17	0.22
(1,4932)	1:61:B:ASP:HB3	1:61:B:ASP:HA	18	0.22
(1,4932)	1:61:B:ASP:HB3	1:61:B:ASP:HA	19	0.22
(1,4931)	1:61:A:ASP:HB3	1:61:A:ASP:HA	3	0.22
(1,4931)	1:61:A:ASP:HB3	1:61:A:ASP:HA	7	0.22
(1,4931)	1:61:A:ASP:HB3	1:61:A:ASP:HA	8	0.22
(1,4931)	1:61:A:ASP:HB3	1:61:A:ASP:HA	10	0.22
(1,4931)	1:61:A:ASP:HB3	1:61:A:ASP:HA	11	0.22
(1,4931)	1:61:A:ASP:HB3	1:61:A:ASP:HA	13	0.22
(1,4931)	1:61:A:ASP:HB3	1:61:A:ASP:HA	16	0.22
(1,4931)	1:61:A:ASP:HB3	1:61:A:ASP:HA	17	0.22
(1,4931)	1:61:A:ASP:HB3	1:61:A:ASP:HA	18	0.22
(1,4931)	1:61:A:ASP:HB3	1:61:A:ASP:HA	19	0.22
(1,4928)	1:61:B:ASP:HB3	1:61:B:ASP:HA	1	0.22
(1,4928)	1:61:B:ASP:HB3	1:61:B:ASP:HA	9	0.22
(1,4928)	1:61:B:ASP:HB3	1:61:B:ASP:HA	10	0.22
(1,4928)	1:61:B:ASP:HB3	1:61:B:ASP:HA	13	0.22
(1,4927)	1:61:A:ASP:HB3	1:61:A:ASP:HA	1	0.22
(1,4927)	1:61:A:ASP:HB3	1:61:A:ASP:HA	8	0.22
(1,4927)	1:61:A:ASP:HB3	1:61:A:ASP:HA	9	0.22
(1,4927)	1:61:A:ASP:HB3	1:61:A:ASP:HA	10	0.22
(1,4927)	1:61:A:ASP:HB3	1:61:A:ASP:HA	13	0.22
(1,4884)	1:68:B:ASP:HA	1:33:B:THR:HG22	7	0.22
(1,4884)	1:68:B:ASP:HA	1:33:B:THR:HG22	9	0.22
(1,4884)	1:68:B:ASP:HA	1:33:B:THR:HG22	15	0.22
(1,4883)	1:68:A:ASP:HA	1:33:A:THR:HG22	7	0.22
(1,4883)	1:68:A:ASP:HA	1:33:A:THR:HG22	9	0.22
(1,4883)	1:68:A:ASP:HA	1:33:A:THR:HG22	15	0.22
(1,4862)	1:68:B:ASP:HA	1:33:B:THR:HG22	7	0.22
(1,4862)	1:68:B:ASP:HA	1:33:B:THR:HG22	9	0.22
(1,4862)	1:68:B:ASP:HA	1:33:B:THR:HG22	15	0.22
(1,4861)	1:68:A:ASP:HA	1:33:A:THR:HG22	7	0.22
(1,4861)	1:68:A:ASP:HA	1:33:A:THR:HG22	9	0.22
(1,4861)	1:68:A:ASP:HA	1:33:A:THR:HG22	15	0.22
(1,4856)	1:25:B:ALA:HA	1:34:B:LEU:HD21	14	0.22
(1,4856)	1:25:B:ALA:HA	1:34:B:LEU:HD21	16	0.22
(1,4855)	1:25:A:ALA:HA	1:34:A:LEU:HD21	14	0.22
(1,4855)	1:25:A:ALA:HA	1:34:A:LEU:HD21	16	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4848)	1:53:B:ASN:HB2	1:50:B:PHE:HB2	16	0.22
(1,4824)	1:67:B:LEU:HD13	1:83:B:LEU:HA	4	0.22
(1,4780)	1:14:B:ILE:HD12	1:88:A:ALA:HA	8	0.22
(1,4753)	1:40:A:LEU:HD22	1:36:A:LYS:HE2	13	0.22
(1,4724)	1:17:B:LEU:HG	1:17:A:LEU:HG	17	0.22
(1,4723)	1:17:A:LEU:HG	1:17:B:LEU:HG	17	0.22
(1,4717)	1:87:A:LEU:HD21	1:11:B:GLU:HB3	11	0.22
(1,4710)	1:15:B:GLU:HB3	1:18:B:ILE:HB	3	0.22
(1,4710)	1:15:B:GLU:HB3	1:18:B:ILE:HB	9	0.22
(1,4709)	1:15:A:GLU:HB3	1:18:A:ILE:HB	9	0.22
(1,4640)	1:88:B:ALA:HA	1:14:A:ILE:HG12	12	0.22
(1,4604)	1:47:B:LEU:HD11	1:42:B:PHE:HA	10	0.22
(1,4603)	1:47:A:LEU:HD11	1:42:A:PHE:HA	10	0.22
(1,4600)	1:43:B:MET:H	1:60:B:LEU:HD12	15	0.22
(1,4548)	1:50:B:PHE:HB2	1:47:B:LEU:HD22	5	0.22
(1,4547)	1:50:A:PHE:HB2	1:47:A:LEU:HD22	5	0.22
(1,4528)	1:49:B:ALA:HB1	1:47:B:LEU:HB2	5	0.22
(1,4527)	1:49:A:ALA:HB1	1:47:A:LEU:HB2	5	0.22
(1,4495)	1:89:A:MET:HA	1:81:B:LEU:HD12	15	0.22
(1,4458)	1:18:B:ILE:HG21	1:19:B:ALA:HB1	16	0.22
(1,4457)	1:18:A:ILE:HG21	1:19:A:ALA:HB1	16	0.22
(1,4440)	1:49:B:ALA:HB3	1:50:B:PHE:HB2	12	0.22
(1,4440)	1:49:B:ALA:HB3	1:50:B:PHE:HB2	14	0.22
(1,4440)	1:49:B:ALA:HB2	1:50:B:PHE:HB2	15	0.22
(1,4439)	1:49:A:ALA:HB3	1:50:A:PHE:HB2	14	0.22
(1,4439)	1:49:A:ALA:HB2	1:50:A:PHE:HB2	15	0.22
(1,4436)	1:20:B:VAL:HG11	1:21:B:PHE:HB3	2	0.22
(1,4436)	1:20:B:VAL:HG11	1:21:B:PHE:HB3	5	0.22
(1,4436)	1:20:B:VAL:HG12	1:21:B:PHE:HB3	8	0.22
(1,4436)	1:20:B:VAL:HG13	1:21:B:PHE:HB3	11	0.22
(1,4435)	1:20:A:VAL:HG11	1:21:A:PHE:HB3	2	0.22
(1,4435)	1:20:A:VAL:HG11	1:21:A:PHE:HB3	5	0.22
(1,4435)	1:20:A:VAL:HG12	1:21:A:PHE:HB3	8	0.22
(1,4435)	1:20:A:VAL:HG13	1:21:A:PHE:HB3	11	0.22
(1,4427)	1:83:A:LEU:HD11	1:87:A:LEU:H	13	0.22
(1,4416)	1:13:B:CYS:H	1:12:B:ARG:HB2	17	0.22
(1,4415)	1:13:A:CYS:H	1:12:A:ARG:HB2	17	0.22
(1,4318)	1:67:B:LEU:HD23	1:63:B:MET:HG3	12	0.22
(1,4317)	1:67:A:LEU:HD23	1:63:A:MET:HG3	12	0.22
(1,4278)	1:16:B:SER:HA	1:15:B:GLU:HB2	3	0.22
(1,4278)	1:16:B:SER:HA	1:15:B:GLU:HB2	4	0.22
(1,4278)	1:16:B:SER:HA	1:15:B:GLU:HB2	5	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4278)	1:16:B:SER:HA	1:15:B:GLU:HB2	15	0.22
(1,4278)	1:16:B:SER:HA	1:15:B:GLU:HB2	17	0.22
(1,4278)	1:16:B:SER:HA	1:15:B:GLU:HB2	20	0.22
(1,4277)	1:16:A:SER:HA	1:15:A:GLU:HB2	4	0.22
(1,4277)	1:16:A:SER:HA	1:15:A:GLU:HB2	5	0.22
(1,4277)	1:16:A:SER:HA	1:15:A:GLU:HB2	15	0.22
(1,4277)	1:16:A:SER:HA	1:15:A:GLU:HB2	20	0.22
(1,4266)	1:21:B:PHE:HB2	1:20:B:VAL:HG21	6	0.22
(1,4266)	1:21:B:PHE:HB2	1:17:B:LEU:HB3	7	0.22
(1,4265)	1:21:A:PHE:HB2	1:20:A:VAL:HG21	6	0.22
(1,4265)	1:21:A:PHE:HB2	1:17:A:LEU:HB3	7	0.22
(1,4192)	1:61:B:ASP:HB3	1:40:B:LEU:HD21	1	0.22
(1,4160)	1:42:B:PHE:HB3	1:43:B:MET:HB2	10	0.22
(1,4159)	1:42:A:PHE:HB3	1:43:A:MET:HB2	10	0.22
(1,4052)	1:58:B:GLY:HA3	1:57:B:PRO:HG2	3	0.22
(1,4043)	1:40:A:LEU:HG	1:61:A:ASP:HB2	11	0.22
(1,4004)	1:51:B:THR:HB	1:50:B:PHE:HB3	2	0.22
(1,4003)	1:51:A:THR:HB	1:50:A:PHE:HB3	2	0.22
(1,4003)	1:51:A:THR:HB	1:50:A:PHE:HB3	12	0.22
(1,3981)	1:94:A:SER:HA	1:97:A:LYS:HE2	11	0.22
(1,3952)	1:15:B:GLU:HA	1:18:B:ILE:HA	7	0.22
(1,3951)	1:15:A:GLU:HA	1:18:A:ILE:HA	7	0.22
(1,3934)	1:34:B:LEU:HA	1:35:B:SER:HB3	19	0.22
(1,3933)	1:34:A:LEU:HA	1:35:A:SER:HB3	19	0.22
(1,3930)	1:74:B:GLN:HA	1:34:B:LEU:HB3	1	0.22
(1,3929)	1:74:A:GLN:HA	1:34:A:LEU:HB3	1	0.22
(1,3916)	1:10:B:THR:HB	1:47:A:LEU:HD21	11	0.22
(1,3906)	1:12:B:ARG:HG3	1:10:B:THR:HA	19	0.22
(1,3890)	1:17:B:LEU:HB2	1:18:B:ILE:HB	5	0.22
(1,3889)	1:17:A:LEU:HB2	1:18:A:ILE:HB	5	0.22
(1,3888)	1:14:B:ILE:HA	1:13:B:CYS:HA	9	0.22
(1,3887)	1:14:A:ILE:HA	1:13:A:CYS:HA	9	0.22
(1,3885)	1:100:A:PRO:HG3	1:96:A:LEU:HG	20	0.22
(1,3880)	1:69:B:THR:HB	1:82:B:ASN:HB3	13	0.22
(1,3879)	1:69:A:THR:HB	1:82:A:ASN:HB3	13	0.22
(1,3846)	1:8:B:THR:HA	1:12:B:ARG:HG2	4	0.22
(1,3845)	1:8:A:THR:HA	1:12:A:ARG:HG2	4	0.22
(1,3842)	1:89:B:MET:HG3	1:86:B:GLY:H	6	0.22
(1,3820)	1:47:B:LEU:HD12	1:43:B:MET:H	4	0.22
(1,3819)	1:47:A:LEU:HD12	1:43:A:MET:H	4	0.22
(1,3804)	1:41:B:SER:H	1:40:B:LEU:HG	10	0.22
(1,3800)	1:47:B:LEU:HA	1:87:B:LEU:HD22	19	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3799)	1:47:A:LEU:HA	1:87:A:LEU:HD22	19	0.22
(1,3794)	1:74:B:GLN:HA	1:64:B:MET:HG2	1	0.22
(1,3794)	1:74:B:GLN:HA	1:64:B:MET:HG3	10	0.22
(1,3793)	1:74:A:GLN:HA	1:64:A:MET:HG2	1	0.22
(1,3793)	1:74:A:GLN:HA	1:64:A:MET:HG3	10	0.22
(1,3748)	1:84:B:ILE:HB	1:85:B:GLY:HA2	10	0.22
(1,3748)	1:84:B:ILE:HB	1:85:B:GLY:HA2	13	0.22
(1,3747)	1:84:A:ILE:HB	1:85:A:GLY:HA2	10	0.22
(1,3747)	1:84:A:ILE:HB	1:85:A:GLY:HA2	13	0.22
(1,3740)	1:11:B:GLU:HB2	1:8:B:THR:HB	3	0.22
(1,3739)	1:11:A:GLU:HB2	1:8:A:THR:HB	3	0.22
(1,3712)	1:83:B:LEU:HB2	1:87:B:LEU:HD11	5	0.22
(1,3712)	1:83:B:LEU:HB2	1:87:B:LEU:HD11	10	0.22
(1,3712)	1:83:B:LEU:HB2	1:87:B:LEU:HD13	20	0.22
(1,3711)	1:83:A:LEU:HB2	1:87:A:LEU:HD11	5	0.22
(1,3711)	1:83:A:LEU:HB2	1:87:A:LEU:HD11	10	0.22
(1,3711)	1:83:A:LEU:HB2	1:87:A:LEU:HD12	11	0.22
(1,3711)	1:83:A:LEU:HB2	1:87:A:LEU:HD13	20	0.22
(1,3707)	1:49:A:ALA:HB3	1:11:B:GLU:HG3	8	0.22
(1,3700)	1:69:B:THR:HB	1:68:B:ASP:HB3	5	0.22
(1,3699)	1:69:A:THR:HB	1:68:A:ASP:HB3	10	0.22
(1,3653)	1:8:A:THR:HB	1:10:A:THR:HA	5	0.22
(1,3652)	1:47:B:LEU:HD23	1:10:A:THR:H	15	0.22
(1,3641)	1:44:A:ASN:HB2	1:40:A:LEU:HA	9	0.22
(1,3638)	1:34:B:LEU:HB3	1:24:B:TYR:HB3	7	0.22
(1,3630)	1:63:B:MET:HG3	1:64:B:MET:HA	18	0.22
(1,3629)	1:63:A:MET:HG3	1:64:A:MET:HA	10	0.22
(1,3629)	1:63:A:MET:HG3	1:64:A:MET:HA	13	0.22
(1,3629)	1:63:A:MET:HG3	1:64:A:MET:HA	18	0.22
(1,3583)	1:77:A:PHE:HB2	1:79:A:GLU:H	13	0.22
(1,3540)	1:73:B:GLY:HA3	1:68:B:ASP:HB2	11	0.22
(1,3539)	1:73:A:GLY:HA3	1:68:A:ASP:HB2	11	0.22
(1,3530)	1:34:B:LEU:HB2	1:39:B:PHE:HA	6	0.22
(1,3529)	1:34:A:LEU:HB2	1:39:A:PHE:HA	6	0.22
(1,3468)	1:75:B:LEU:HB3	1:33:B:THR:HA	10	0.22
(1,3467)	1:75:A:LEU:HB3	1:33:A:THR:HA	10	0.22
(1,3412)	1:22:B:GLN:HG3	1:102:A:GLN:HG3	6	0.22
(1,3403)	1:9:A:GLU:HB3	1:16:B:SER:HB3	7	0.22
(1,3381)	1:87:A:LEU:HD21	1:11:B:GLU:HB3	11	0.22
(1,3371)	1:10:A:THR:HG23	1:87:B:LEU:HD22	19	0.22
(1,3361)	1:19:A:ALA:HB2	1:9:B:GLU:HA	12	0.22
(1,3359)	1:19:A:ALA:HB2	1:9:B:GLU:HA	12	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3252)	1:96:B:LEU:H	1:96:B:LEU:HD22	13	0.22
(1,3252)	1:96:B:LEU:H	1:96:B:LEU:HD22	18	0.22
(1,3251)	1:96:A:LEU:H	1:96:A:LEU:HD22	13	0.22
(1,3251)	1:96:A:LEU:H	1:96:A:LEU:HD22	18	0.22
(1,3056)	1:94:B:SER:H	1:93:B:ASP:HB2	3	0.22
(1,3056)	1:94:B:SER:H	1:93:B:ASP:HB2	15	0.22
(1,3055)	1:94:A:SER:H	1:93:A:ASP:HB2	15	0.22
(1,2886)	1:38:B:GLU:H	1:37:B:THR:HG21	16	0.22
(1,2885)	1:38:A:GLU:H	1:37:A:THR:HG21	16	0.22
(1,2754)	1:38:B:GLU:H	1:34:B:LEU:HD22	10	0.22
(1,2726)	1:77:B:PHE:H	1:33:B:THR:HG22	12	0.22
(1,2715)	1:22:A:GLN:H	1:18:A:ILE:HG23	5	0.22
(1,2630)	1:69:B:THR:H	1:67:B:LEU:HB2	11	0.22
(1,2629)	1:69:A:THR:H	1:67:A:LEU:HB2	11	0.22
(1,2629)	1:69:A:THR:H	1:67:A:LEU:HB2	14	0.22
(1,2625)	1:86:A:GLY:H	1:89:A:MET:HB2	9	0.22
(1,2360)	1:23:B:LYS:HE2	1:23:B:LYS:HE3	1	0.22
(1,2360)	1:23:B:LYS:HE2	1:23:B:LYS:HE3	3	0.22
(1,2360)	1:23:B:LYS:HE2	1:23:B:LYS:HE3	5	0.22
(1,2360)	1:23:B:LYS:HE2	1:23:B:LYS:HE3	6	0.22
(1,2360)	1:23:B:LYS:HE2	1:23:B:LYS:HE3	8	0.22
(1,2360)	1:23:B:LYS:HE2	1:23:B:LYS:HE3	10	0.22
(1,2360)	1:23:B:LYS:HE2	1:23:B:LYS:HE3	11	0.22
(1,2360)	1:23:B:LYS:HE2	1:23:B:LYS:HE3	12	0.22
(1,2360)	1:23:B:LYS:HE2	1:23:B:LYS:HE3	13	0.22
(1,2360)	1:23:B:LYS:HE2	1:23:B:LYS:HE3	14	0.22
(1,2360)	1:23:B:LYS:HE2	1:23:B:LYS:HE3	17	0.22
(1,2360)	1:23:B:LYS:HE2	1:23:B:LYS:HE3	18	0.22
(1,2360)	1:23:B:LYS:HE2	1:23:B:LYS:HE3	19	0.22
(1,2360)	1:23:B:LYS:HE2	1:23:B:LYS:HE3	20	0.22
(1,2359)	1:23:A:LYS:HE2	1:23:A:LYS:HE3	5	0.22
(1,2359)	1:23:A:LYS:HE2	1:23:A:LYS:HE3	6	0.22
(1,2359)	1:23:A:LYS:HE2	1:23:A:LYS:HE3	8	0.22
(1,2359)	1:23:A:LYS:HE2	1:23:A:LYS:HE3	11	0.22
(1,2359)	1:23:A:LYS:HE2	1:23:A:LYS:HE3	12	0.22
(1,2359)	1:23:A:LYS:HE2	1:23:A:LYS:HE3	13	0.22
(1,2359)	1:23:A:LYS:HE2	1:23:A:LYS:HE3	14	0.22
(1,2359)	1:23:A:LYS:HE2	1:23:A:LYS:HE3	17	0.22
(1,2359)	1:23:A:LYS:HE2	1:23:A:LYS:HE3	18	0.22
(1,2359)	1:23:A:LYS:HE2	1:23:A:LYS:HE3	20	0.22
(1,2318)	1:17:B:LEU:HD11	1:17:B:LEU:HD22	5	0.22
(1,2318)	1:17:B:LEU:HD13	1:17:B:LEU:HD21	12	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2318)	1:17:B:LEU:HD13	1:17:B:LEU:HD23	16	0.22
(1,2317)	1:17:A:LEU:HD11	1:17:A:LEU:HD22	5	0.22
(1,2317)	1:17:A:LEU:HD13	1:17:A:LEU:HD21	12	0.22
(1,2317)	1:17:A:LEU:HD11	1:17:A:LEU:HD22	16	0.22
(1,2262)	1:97:B:LYS:HB3	1:97:B:LYS:HA	8	0.22
(1,2261)	1:97:A:LYS:HB3	1:97:A:LYS:HA	8	0.22
(1,1858)	1:57:B:PRO:HD3	1:57:B:PRO:HA	1	0.22
(1,1858)	1:57:B:PRO:HD3	1:57:B:PRO:HA	6	0.22
(1,1857)	1:57:A:PRO:HD3	1:57:A:PRO:HA	6	0.22
(1,1848)	1:59:B:VAL:HG23	1:60:B:LEU:HA	14	0.22
(1,1848)	1:59:B:VAL:HG23	1:60:B:LEU:HA	18	0.22
(1,1848)	1:59:B:VAL:HG23	1:60:B:LEU:HA	20	0.22
(1,1847)	1:59:A:VAL:HG23	1:60:A:LEU:HA	14	0.22
(1,1847)	1:59:A:VAL:HG23	1:60:A:LEU:HA	18	0.22
(1,1847)	1:59:A:VAL:HG23	1:60:A:LEU:HA	20	0.22
(1,1824)	1:63:B:MET:HB2	1:67:B:LEU:HD12	4	0.22
(1,1824)	1:63:B:MET:HB2	1:67:B:LEU:HD12	19	0.22
(1,1823)	1:63:A:MET:HB2	1:67:A:LEU:HD12	4	0.22
(1,1822)	1:11:B:GLU:HG3	1:11:B:GLU:HA	20	0.22
(1,1821)	1:11:A:GLU:HG3	1:11:A:GLU:HA	20	0.22
(1,1808)	1:10:B:THR:HA	1:10:B:THR:HG22	14	0.22
(1,1807)	1:10:A:THR:HA	1:10:A:THR:HG22	14	0.22
(1,1708)	1:82:B:ASN:HB2	1:67:B:LEU:HD22	9	0.22
(1,1686)	1:17:B:LEU:HB2	1:17:B:LEU:HD22	16	0.22
(1,1685)	1:17:A:LEU:HB2	1:17:A:LEU:HD23	3	0.22
(1,1685)	1:17:A:LEU:HB2	1:17:A:LEU:HD22	8	0.22
(1,1685)	1:17:A:LEU:HB2	1:17:A:LEU:HD22	16	0.22
(1,1638)	1:38:B:GLU:HA	1:27:B:LYS:HD2	10	0.22
(1,1637)	1:38:A:GLU:HA	1:27:A:LYS:HD2	10	0.22
(1,1632)	1:60:B:LEU:H	1:59:B:VAL:HG22	10	0.22
(1,1624)	1:67:B:LEU:H	1:67:B:LEU:HD13	11	0.22
(1,1608)	1:47:B:LEU:HB2	1:50:B:PHE:HB3	4	0.22
(1,1607)	1:47:A:LEU:HB2	1:50:A:PHE:HB3	4	0.22
(1,1579)	1:57:A:PRO:HD3	1:57:A:PRO:HB2	10	0.22
(1,1454)	1:48:B:ALA:HA	1:51:B:THR:HG21	1	0.22
(1,1453)	1:48:A:ALA:HA	1:51:A:THR:HG23	6	0.22
(1,1401)	1:15:A:GLU:HA	1:18:A:ILE:HG22	16	0.22
(1,1377)	1:49:A:ALA:HB2	1:50:A:PHE:HB2	20	0.22
(1,1238)	1:62:B:ARG:HB3	1:59:B:VAL:HA	15	0.22
(1,1205)	1:48:A:ALA:HB2	1:52:A:LYS:H	9	0.22
(1,1133)	1:33:A:THR:HB	1:74:A:GLN:HG3	1	0.22
(1,1060)	1:16:B:SER:HB3	1:19:B:ALA:HB1	13	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1059)	1:16:A:SER:HB3	1:19:A:ALA:HB1	13	0.22
(1,1006)	1:9:B:GLU:HG3	1:8:B:THR:HB	17	0.22
(1,1005)	1:9:A:GLU:HG3	1:8:A:THR:HB	17	0.22
(1,986)	1:61:B:ASP:H	1:58:B:GLY:HA3	1	0.22
(1,986)	1:61:B:ASP:H	1:58:B:GLY:HA3	12	0.22
(1,986)	1:61:B:ASP:H	1:58:B:GLY:HA3	14	0.22
(1,985)	1:61:A:ASP:H	1:58:A:GLY:HA3	1	0.22
(1,985)	1:61:A:ASP:H	1:58:A:GLY:HA3	12	0.22
(1,972)	1:10:B:THR:HA	1:9:B:GLU:HG2	15	0.22
(1,971)	1:10:A:THR:HA	1:9:A:GLU:HG2	15	0.22
(1,954)	1:47:B:LEU:H	1:51:B:THR:HG22	9	0.22
(1,953)	1:47:A:LEU:H	1:51:A:THR:HG22	9	0.22
(1,855)	1:9:A:GLU:HG3	1:17:B:LEU:HD23	10	0.22
(1,774)	1:25:B:ALA:HB2	1:21:B:PHE:HA	19	0.22
(1,773)	1:25:A:ALA:HB2	1:21:A:PHE:HA	19	0.22
(1,689)	1:17:A:LEU:HG	1:81:A:LEU:HD21	6	0.22
(1,686)	1:84:B:ILE:HB	1:83:B:LEU:HG	17	0.22
(1,685)	1:84:A:ILE:HB	1:83:A:LEU:HG	17	0.22
(1,622)	1:63:B:MET:H	1:62:B:ARG:HG2	4	0.22
(1,622)	1:63:B:MET:H	1:62:B:ARG:HG2	12	0.22
(1,621)	1:63:A:MET:H	1:62:A:ARG:HG2	4	0.22
(1,621)	1:63:A:MET:H	1:62:A:ARG:HG2	12	0.22
(1,621)	1:63:A:MET:H	1:62:A:ARG:HG2	13	0.22
(1,621)	1:63:A:MET:H	1:62:A:ARG:HG2	18	0.22
(1,610)	1:63:B:MET:H	1:62:B:ARG:HG2	3	0.22
(1,610)	1:63:B:MET:H	1:62:B:ARG:HG2	14	0.22
(1,609)	1:63:A:MET:H	1:62:A:ARG:HG2	3	0.22
(1,609)	1:63:A:MET:H	1:62:A:ARG:HG2	14	0.22
(1,552)	1:42:B:PHE:HA	1:45:B:THR:HG21	3	0.22
(1,540)	1:16:B:SER:HA	1:15:B:GLU:H	16	0.22
(1,540)	1:16:B:SER:HA	1:15:B:GLU:H	17	0.22
(1,539)	1:16:A:SER:HA	1:15:A:GLU:H	16	0.22
(1,539)	1:16:A:SER:HA	1:15:A:GLU:H	17	0.22
(1,444)	1:15:B:GLU:HG3	1:91:A:CYS:HB3	2	0.22
(1,443)	1:15:A:GLU:HG3	1:91:B:CYS:HB3	2	0.22
(1,364)	1:47:B:LEU:HD21	1:10:A:THR:H	8	0.22
(1,326)	1:96:B:LEU:HG	1:95:B:PHE:HB3	6	0.22
(1,326)	1:96:B:LEU:HG	1:95:B:PHE:HB3	14	0.22
(1,326)	1:96:B:LEU:HG	1:95:B:PHE:HB3	20	0.22
(1,325)	1:96:A:LEU:HG	1:95:A:PHE:HB3	6	0.22
(1,325)	1:96:A:LEU:HG	1:95:A:PHE:HB3	14	0.22
(1,220)	1:75:B:LEU:HD11	1:68:B:ASP:HA	2	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,219)	1:75:A:LEU:HD11	1:68:A:ASP:HA	2	0.22
(1,74)	1:91:B:CYS:HB3	1:14:A:ILE:HG22	8	0.22
(1,12)	1:18:B:ILE:HG22	1:94:A:SER:HB2	5	0.22
(2,92)	1:44:B:ASN:HB3	1:47:B:LEU:H	1	0.21
(2,91)	1:44:A:ASN:HB3	1:47:A:LEU:H	1	0.21
(2,91)	1:44:A:ASN:HB3	1:47:A:LEU:H	2	0.21
(2,78)	1:61:B:ASP:HA	1:59:B:VAL:HA	15	0.21
(2,77)	1:61:A:ASP:HA	1:59:A:VAL:HA	15	0.21
(2,32)	1:38:B:GLU:HA	1:34:B:LEU:HA	9	0.21
(1,5762)	1:13:B:CYS:H	1:17:B:LEU:H	13	0.21
(1,5761)	1:13:A:CYS:H	1:17:A:LEU:H	13	0.21
(1,5694)	1:102:B:GLN:H	1:100:B:PRO:HA	11	0.21
(1,5681)	1:87:A:LEU:H	1:87:A:LEU:HD12	6	0.21
(1,5624)	1:84:B:ILE:H	1:87:B:LEU:HD13	1	0.21
(1,5623)	1:84:A:ILE:H	1:87:A:LEU:HD13	1	0.21
(1,5558)	1:88:B:ALA:H	1:81:A:LEU:HD13	8	0.21
(1,5540)	1:10:B:THR:H	1:20:A:VAL:HG22	3	0.21
(1,5526)	1:17:B:LEU:H	1:16:B:SER:HB3	16	0.21
(1,5525)	1:17:A:LEU:H	1:16:A:SER:HB3	16	0.21
(1,5498)	1:76:B:ASP:H	1:77:B:PHE:HB2	14	0.21
(1,5497)	1:76:A:ASP:H	1:77:A:PHE:HB2	14	0.21
(1,5458)	1:95:B:PHE:H	1:96:B:LEU:HD23	15	0.21
(1,5458)	1:95:B:PHE:H	1:96:B:LEU:HD23	19	0.21
(1,5458)	1:95:B:PHE:H	1:96:B:LEU:HD22	20	0.21
(1,5457)	1:95:A:PHE:H	1:96:A:LEU:HD22	1	0.21
(1,5457)	1:95:A:PHE:H	1:96:A:LEU:HD23	15	0.21
(1,5457)	1:95:A:PHE:H	1:96:A:LEU:HD23	19	0.21
(1,5457)	1:95:A:PHE:H	1:96:A:LEU:HD22	20	0.21
(1,5436)	1:42:B:PHE:H	1:40:B:LEU:HD21	7	0.21
(1,5414)	1:35:B:SER:H	1:39:B:PHE:H	5	0.21
(1,5414)	1:35:B:SER:H	1:39:B:PHE:H	8	0.21
(1,5414)	1:35:B:SER:H	1:36:B:LYS:H	16	0.21
(1,5413)	1:35:A:SER:H	1:39:A:PHE:H	5	0.21
(1,5413)	1:35:A:SER:H	1:39:A:PHE:H	8	0.21
(1,5412)	1:17:B:LEU:H	1:18:B:ILE:HB	2	0.21
(1,5411)	1:17:A:LEU:H	1:18:A:ILE:HB	2	0.21
(1,5365)	1:92:A:HIS:H	1:15:B:GLU:HG2	10	0.21
(1,5312)	1:28:B:ASP:H	1:34:B:LEU:HD23	2	0.21
(1,5284)	1:98:B:ALA:H	1:96:B:LEU:HD22	5	0.21
(1,5284)	1:98:B:ALA:H	1:96:B:LEU:HD22	9	0.21
(1,5280)	1:28:B:ASP:H	1:34:B:LEU:HD23	2	0.21
(1,5272)	1:8:B:THR:H	1:46:A:GLU:HB3	9	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5205)	1:44:A:ASN:H	1:60:A:LEU:HB2	13	0.21
(1,5168)	1:98:B:ALA:HB1	1:98:B:ALA:HB3	3	0.21
(1,5168)	1:98:B:ALA:HB1	1:98:B:ALA:HB3	8	0.21
(1,5168)	1:98:B:ALA:HB1	1:98:B:ALA:HB3	14	0.21
(1,5168)	1:98:B:ALA:HB1	1:98:B:ALA:HB3	16	0.21
(1,5168)	1:98:B:ALA:HB2	1:98:B:ALA:HB3	19	0.21
(1,5167)	1:98:A:ALA:HB2	1:98:A:ALA:HB3	1	0.21
(1,5167)	1:98:A:ALA:HB2	1:98:A:ALA:HB1	6	0.21
(1,5167)	1:98:A:ALA:HB2	1:98:A:ALA:HB1	7	0.21
(1,5167)	1:98:A:ALA:HB2	1:98:A:ALA:HB3	13	0.21
(1,5167)	1:48:A:ALA:HB2	1:48:A:ALA:HB1	14	0.21
(1,5167)	1:48:A:ALA:HB2	1:48:A:ALA:HB1	15	0.21
(1,5167)	1:98:A:ALA:HB1	1:98:A:ALA:HB3	16	0.21
(1,5112)	1:45:B:THR:HA	1:45:B:THR:HG23	20	0.21
(1,5111)	1:45:A:THR:HA	1:45:A:THR:HG22	19	0.21
(1,5110)	1:45:B:THR:HA	1:45:B:THR:HG22	12	0.21
(1,5110)	1:45:B:THR:HA	1:45:B:THR:HG22	19	0.21
(1,5109)	1:45:A:THR:HA	1:45:A:THR:HG22	19	0.21
(1,5102)	1:37:B:THR:HA	1:37:B:THR:HG21	1	0.21
(1,5101)	1:37:A:THR:HA	1:37:A:THR:HG23	18	0.21
(1,5100)	1:17:B:LEU:HD22	1:17:B:LEU:HB3	4	0.21
(1,5100)	1:17:B:LEU:HD21	1:17:B:LEU:HB3	7	0.21
(1,5099)	1:17:A:LEU:HD22	1:17:A:LEU:HB3	4	0.21
(1,5099)	1:17:A:LEU:HD21	1:17:A:LEU:HB3	7	0.21
(1,5098)	1:66:B:LYS:HB2	1:66:B:LYS:HA	4	0.21
(1,5098)	1:66:B:LYS:HB2	1:66:B:LYS:HA	7	0.21
(1,5097)	1:66:A:LYS:HB2	1:66:A:LYS:HA	4	0.21
(1,5097)	1:66:A:LYS:HB2	1:66:A:LYS:HA	7	0.21
(1,5062)	1:66:B:LYS:HG3	1:66:B:LYS:HA	7	0.21
(1,5061)	1:66:A:LYS:HG3	1:66:A:LYS:HA	7	0.21
(1,4962)	1:15:B:GLU:HB2	1:12:B:ARG:HA	12	0.21
(1,4961)	1:15:A:GLU:HB2	1:12:A:ARG:HA	12	0.21
(1,4944)	1:62:B:ARG:HG2	1:62:B:ARG:HD2	2	0.21
(1,4944)	1:62:B:ARG:HG2	1:62:B:ARG:HD2	3	0.21
(1,4944)	1:62:B:ARG:HG2	1:62:B:ARG:HD2	4	0.21
(1,4944)	1:62:B:ARG:HG2	1:62:B:ARG:HD2	5	0.21
(1,4944)	1:62:B:ARG:HG2	1:62:B:ARG:HD2	6	0.21
(1,4944)	1:62:B:ARG:HG2	1:62:B:ARG:HD2	12	0.21
(1,4944)	1:62:B:ARG:HG2	1:62:B:ARG:HD2	14	0.21
(1,4943)	1:62:A:ARG:HG2	1:62:A:ARG:HD2	2	0.21
(1,4943)	1:62:A:ARG:HG2	1:62:A:ARG:HD2	3	0.21
(1,4943)	1:62:A:ARG:HG2	1:62:A:ARG:HD2	4	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4943)	1:62:A:ARG:HG2	1:62:A:ARG:HD2	5	0.21
(1,4943)	1:62:A:ARG:HG2	1:62:A:ARG:HD2	6	0.21
(1,4943)	1:62:A:ARG:HG2	1:62:A:ARG:HD2	12	0.21
(1,4943)	1:62:A:ARG:HG2	1:62:A:ARG:HD2	14	0.21
(1,4932)	1:61:B:ASP:HB3	1:61:B:ASP:HA	5	0.21
(1,4932)	1:61:B:ASP:HB3	1:61:B:ASP:HA	6	0.21
(1,4932)	1:61:B:ASP:HB3	1:61:B:ASP:HA	11	0.21
(1,4932)	1:61:B:ASP:HB3	1:61:B:ASP:HA	15	0.21
(1,4931)	1:61:A:ASP:HB3	1:61:A:ASP:HA	5	0.21
(1,4931)	1:61:A:ASP:HB3	1:61:A:ASP:HA	6	0.21
(1,4931)	1:61:A:ASP:HB3	1:61:A:ASP:HA	15	0.21
(1,4928)	1:61:B:ASP:HB3	1:61:B:ASP:HA	3	0.21
(1,4928)	1:61:B:ASP:HB3	1:61:B:ASP:HA	7	0.21
(1,4928)	1:93:B:ASP:HB3	1:93:B:ASP:HA	8	0.21
(1,4928)	1:61:B:ASP:HB3	1:61:B:ASP:HA	11	0.21
(1,4928)	1:61:B:ASP:HB3	1:61:B:ASP:HA	15	0.21
(1,4928)	1:61:B:ASP:HB3	1:61:B:ASP:HA	16	0.21
(1,4928)	1:61:B:ASP:HB3	1:61:B:ASP:HA	17	0.21
(1,4928)	1:61:B:ASP:HB3	1:61:B:ASP:HA	18	0.21
(1,4928)	1:61:B:ASP:HB3	1:61:B:ASP:HA	19	0.21
(1,4927)	1:61:A:ASP:HB3	1:61:A:ASP:HA	3	0.21
(1,4927)	1:61:A:ASP:HB3	1:61:A:ASP:HA	7	0.21
(1,4927)	1:61:A:ASP:HB3	1:61:A:ASP:HA	11	0.21
(1,4927)	1:61:A:ASP:HB3	1:61:A:ASP:HA	15	0.21
(1,4927)	1:61:A:ASP:HB3	1:61:A:ASP:HA	16	0.21
(1,4927)	1:61:A:ASP:HB3	1:61:A:ASP:HA	17	0.21
(1,4927)	1:61:A:ASP:HB3	1:61:A:ASP:HA	18	0.21
(1,4927)	1:61:A:ASP:HB3	1:61:A:ASP:HA	19	0.21
(1,4898)	1:88:B:ALA:HB2	1:17:A:LEU:HD12	16	0.21
(1,4898)	1:88:B:ALA:HB3	1:17:A:LEU:HD13	17	0.21
(1,4847)	1:53:A:ASN:HB2	1:50:A:PHE:HB2	16	0.21
(1,4823)	1:67:A:LEU:HD13	1:83:A:LEU:HA	4	0.21
(1,4796)	1:63:B:MET:HA	1:66:B:LYS:HE2	9	0.21
(1,4795)	1:63:A:MET:HA	1:66:A:LYS:HE2	9	0.21
(1,4754)	1:17:B:LEU:HD22	1:13:A:CYS:HB3	7	0.21
(1,4754)	1:40:B:LEU:HD22	1:36:B:LYS:HE2	13	0.21
(1,4724)	1:17:B:LEU:HG	1:17:A:LEU:HG	20	0.21
(1,4723)	1:17:A:LEU:HG	1:17:B:LEU:HG	20	0.21
(1,4704)	1:67:B:LEU:H	1:67:B:LEU:HD21	3	0.21
(1,4703)	1:67:A:LEU:H	1:67:A:LEU:HD21	3	0.21
(1,4696)	1:20:B:VAL:HG11	1:47:B:LEU:HD23	12	0.21
(1,4695)	1:20:A:VAL:HG11	1:47:A:LEU:HD23	12	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4649)	1:63:A:MET:HB2	1:67:A:LEU:HD11	2	0.21
(1,4639)	1:88:A:ALA:HA	1:14:B:ILE:HG12	12	0.21
(1,4620)	1:68:B:ASP:HB2	1:65:B:LYS:HA	3	0.21
(1,4619)	1:68:A:ASP:HB2	1:65:A:LYS:HA	3	0.21
(1,4619)	1:68:A:ASP:HB2	1:65:A:LYS:HA	13	0.21
(1,4589)	1:88:A:ALA:HB3	1:14:B:ILE:HA	17	0.21
(1,4586)	1:63:B:MET:HG2	1:60:B:LEU:HD22	1	0.21
(1,4586)	1:63:B:MET:HG2	1:60:B:LEU:HD21	8	0.21
(1,4586)	1:63:B:MET:HG2	1:60:B:LEU:HD21	14	0.21
(1,4585)	1:63:A:MET:HG2	1:60:A:LEU:HD22	1	0.21
(1,4585)	1:63:A:MET:HG2	1:60:A:LEU:HD21	8	0.21
(1,4585)	1:63:A:MET:HG2	1:60:A:LEU:HD21	14	0.21
(1,4558)	1:63:B:MET:HG2	1:60:B:LEU:HD22	3	0.21
(1,4557)	1:63:A:MET:HG2	1:60:A:LEU:HD22	3	0.21
(1,4557)	1:63:A:MET:HG2	1:60:A:LEU:HD21	4	0.21
(1,4548)	1:50:B:PHE:HB2	1:47:B:LEU:HD23	9	0.21
(1,4547)	1:50:A:PHE:HB2	1:47:A:LEU:HD23	9	0.21
(1,4528)	1:49:B:ALA:HB3	1:47:B:LEU:HB2	10	0.21
(1,4527)	1:49:A:ALA:HB3	1:47:A:LEU:HB2	10	0.21
(1,4516)	1:94:B:SER:HB3	1:95:B:PHE:HB2	14	0.21
(1,4496)	1:38:B:GLU:HA	1:34:B:LEU:HD22	10	0.21
(1,4457)	1:18:A:ILE:HG23	1:19:A:ALA:HB2	13	0.21
(1,4436)	1:20:B:VAL:HG13	1:21:B:PHE:HB3	13	0.21
(1,4435)	1:20:A:VAL:HG13	1:21:A:PHE:HB3	13	0.21
(1,4428)	1:83:B:LEU:HD11	1:87:B:LEU:H	13	0.21
(1,4427)	1:83:A:LEU:HD12	1:87:A:LEU:H	15	0.21
(1,4427)	1:83:A:LEU:HD12	1:87:A:LEU:H	19	0.21
(1,4416)	1:13:B:CYS:H	1:12:B:ARG:HB2	18	0.21
(1,4415)	1:13:A:CYS:H	1:12:A:ARG:HB2	15	0.21
(1,4415)	1:13:A:CYS:H	1:12:A:ARG:HB2	18	0.21
(1,4262)	1:63:B:MET:HG2	1:59:B:VAL:HA	11	0.21
(1,4234)	1:68:B:ASP:HB2	1:65:B:LYS:HD2	20	0.21
(1,4233)	1:68:A:ASP:HB2	1:65:A:LYS:HD2	20	0.21
(1,4198)	1:60:B:LEU:HD12	1:44:B:ASN:HB2	20	0.21
(1,4197)	1:60:A:LEU:HD12	1:44:A:ASN:HB2	20	0.21
(1,4191)	1:61:A:ASP:HB3	1:40:A:LEU:HD21	1	0.21
(1,4184)	1:13:B:CYS:HA	1:17:B:LEU:HG	4	0.21
(1,4184)	1:13:B:CYS:HA	1:17:B:LEU:HG	19	0.21
(1,4183)	1:13:A:CYS:HA	1:17:A:LEU:HG	4	0.21
(1,4183)	1:13:A:CYS:HA	1:17:A:LEU:HG	19	0.21
(1,4177)	1:8:A:THR:HG23	1:46:B:GLU:H	15	0.21
(1,4177)	1:8:A:THR:HG22	1:46:B:GLU:H	18	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4162)	1:22:B:GLN:HA	1:26:B:GLY:HA3	1	0.21
(1,4161)	1:22:A:GLN:HA	1:26:A:GLY:HA3	1	0.21
(1,4160)	1:42:B:PHE:HB3	1:43:B:MET:HB2	3	0.21
(1,4159)	1:42:A:PHE:HB3	1:43:A:MET:HB2	3	0.21
(1,4059)	1:97:A:LYS:HG2	1:98:A:ALA:H	11	0.21
(1,4054)	1:68:B:ASP:HA	1:69:B:THR:HA	1	0.21
(1,4054)	1:68:B:ASP:HA	1:69:B:THR:HA	14	0.21
(1,4054)	1:68:B:ASP:HA	1:69:B:THR:HA	20	0.21
(1,4053)	1:68:A:ASP:HA	1:69:A:THR:HA	1	0.21
(1,4053)	1:68:A:ASP:HA	1:69:A:THR:HA	14	0.21
(1,4053)	1:68:A:ASP:HA	1:69:A:THR:HA	20	0.21
(1,4051)	1:58:A:GLY:HA3	1:57:A:PRO:HG2	3	0.21
(1,4027)	1:99:A:VAL:HG21	1:102:A:GLN:H	19	0.21
(1,4006)	1:28:B:ASP:HA	1:27:B:LYS:HB2	5	0.21
(1,4005)	1:28:A:ASP:HA	1:27:A:LYS:HB2	5	0.21
(1,4004)	1:51:B:THR:HB	1:50:B:PHE:HB3	7	0.21
(1,4004)	1:51:B:THR:HB	1:50:B:PHE:HB3	15	0.21
(1,4004)	1:51:B:THR:HB	1:50:B:PHE:HB3	16	0.21
(1,4004)	1:51:B:THR:HB	1:50:B:PHE:HB3	18	0.21
(1,4003)	1:51:A:THR:HB	1:50:A:PHE:HB3	7	0.21
(1,4003)	1:51:A:THR:HB	1:50:A:PHE:HB3	15	0.21
(1,4003)	1:51:A:THR:HB	1:50:A:PHE:HB3	16	0.21
(1,4003)	1:51:A:THR:HB	1:50:A:PHE:HB3	18	0.21
(1,3982)	1:94:B:SER:HA	1:97:B:LYS:HE2	11	0.21
(1,3980)	1:82:B:ASN:HA	1:67:B:LEU:HB3	6	0.21
(1,3979)	1:82:A:ASN:HA	1:67:A:LEU:HB3	6	0.21
(1,3934)	1:34:B:LEU:HA	1:35:B:SER:HB3	10	0.21
(1,3934)	1:34:B:LEU:HA	1:35:B:SER:HB3	16	0.21
(1,3933)	1:34:A:LEU:HA	1:35:A:SER:HB3	5	0.21
(1,3933)	1:34:A:LEU:HA	1:35:A:SER:HB3	16	0.21
(1,3933)	1:34:A:LEU:HA	1:35:A:SER:HB3	17	0.21
(1,3906)	1:12:B:ARG:HG3	1:10:B:THR:HA	6	0.21
(1,3905)	1:12:A:ARG:HG3	1:10:A:THR:HA	6	0.21
(1,3890)	1:17:B:LEU:HB2	1:18:B:ILE:HB	10	0.21
(1,3889)	1:17:A:LEU:HB2	1:18:A:ILE:HB	10	0.21
(1,3888)	1:14:B:ILE:HA	1:13:B:CYS:HA	4	0.21
(1,3887)	1:14:A:ILE:HA	1:13:A:CYS:HA	4	0.21
(1,3886)	1:100:B:PRO:HG3	1:96:B:LEU:HG	2	0.21
(1,3886)	1:100:B:PRO:HG3	1:96:B:LEU:HG	6	0.21
(1,3886)	1:100:B:PRO:HG3	1:96:B:LEU:HG	20	0.21
(1,3885)	1:100:A:PRO:HG3	1:96:A:LEU:HG	2	0.21
(1,3885)	1:100:A:PRO:HG3	1:96:A:LEU:HG	6	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3880)	1:69:B:THR:HB	1:82:B:ASN:HB3	4	0.21
(1,3856)	1:44:B:ASN:HA	1:43:B:MET:HA	19	0.21
(1,3855)	1:44:A:ASN:HA	1:43:A:MET:HA	19	0.21
(1,3850)	1:39:B:PHE:HB2	1:64:B:MET:HB2	7	0.21
(1,3849)	1:39:A:PHE:HB2	1:64:A:MET:HB2	7	0.21
(1,3845)	1:8:A:THR:HA	1:12:A:ARG:HG2	9	0.21
(1,3844)	1:17:B:LEU:HB3	1:14:B:ILE:HA	11	0.21
(1,3842)	1:89:B:MET:HG3	1:86:B:GLY:H	13	0.21
(1,3841)	1:89:A:MET:HG3	1:86:A:GLY:H	6	0.21
(1,3841)	1:89:A:MET:HG3	1:86:A:GLY:H	13	0.21
(1,3803)	1:41:A:SER:H	1:40:A:LEU:HG	10	0.21
(1,3748)	1:84:B:ILE:HB	1:85:B:GLY:HA2	12	0.21
(1,3747)	1:84:A:ILE:HB	1:85:A:GLY:HA2	11	0.21
(1,3747)	1:84:A:ILE:HB	1:85:A:GLY:HA2	12	0.21
(1,3740)	1:11:B:GLU:HB2	1:8:B:THR:HB	14	0.21
(1,3739)	1:11:A:GLU:HB2	1:8:A:THR:HB	14	0.21
(1,3712)	1:83:B:LEU:HB2	1:87:B:LEU:HD11	9	0.21
(1,3712)	1:83:B:LEU:HB2	1:87:B:LEU:HD12	11	0.21
(1,3712)	1:83:B:LEU:HB2	1:87:B:LEU:HD13	15	0.21
(1,3711)	1:83:A:LEU:HB2	1:87:A:LEU:HD11	9	0.21
(1,3711)	1:83:A:LEU:HB2	1:87:A:LEU:HD13	15	0.21
(1,3700)	1:69:B:THR:HB	1:68:B:ASP:HB3	10	0.21
(1,3699)	1:69:A:THR:HB	1:68:A:ASP:HB3	5	0.21
(1,3692)	1:13:B:CYS:HB2	1:17:A:LEU:HB3	10	0.21
(1,3691)	1:13:A:CYS:HB2	1:17:B:LEU:HB3	10	0.21
(1,3680)	1:33:B:THR:HB	1:34:B:LEU:HG	15	0.21
(1,3679)	1:33:A:THR:HB	1:34:A:LEU:HG	15	0.21
(1,3672)	1:7:B:PRO:HB2	1:8:B:THR:HB	18	0.21
(1,3654)	1:8:B:THR:HB	1:10:B:THR:HA	5	0.21
(1,3644)	1:47:B:LEU:HB2	1:44:B:ASN:HA	4	0.21
(1,3643)	1:47:A:LEU:HB2	1:44:A:ASN:HA	4	0.21
(1,3642)	1:44:B:ASN:HB2	1:40:B:LEU:HA	9	0.21
(1,3638)	1:34:B:LEU:HB3	1:24:B:TYR:HB3	16	0.21
(1,3637)	1:34:A:LEU:HB3	1:24:A:TYR:HB3	7	0.21
(1,3637)	1:34:A:LEU:HB3	1:24:A:TYR:HB3	16	0.21
(1,3632)	1:65:B:LYS:HG2	1:61:B:ASP:HB3	7	0.21
(1,3631)	1:65:A:LYS:HG2	1:61:A:ASP:HB3	7	0.21
(1,3630)	1:63:B:MET:HG3	1:64:B:MET:HA	13	0.21
(1,3626)	1:34:B:LEU:HA	1:24:B:TYR:HB2	9	0.21
(1,3625)	1:34:A:LEU:HA	1:24:A:TYR:HB2	9	0.21
(1,3604)	1:14:B:ILE:HB	1:91:A:CYS:HB2	19	0.21
(1,3584)	1:77:B:PHE:HB2	1:79:B:GLU:H	13	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3572)	1:58:B:GLY:HA2	1:59:B:VAL:HG12	16	0.21
(1,3571)	1:58:A:GLY:HA2	1:59:A:VAL:HG12	16	0.21
(1,3540)	1:73:B:GLY:HA3	1:68:B:ASP:HB2	5	0.21
(1,3539)	1:73:A:GLY:HA3	1:68:A:ASP:HB2	5	0.21
(1,3530)	1:34:B:LEU:HB2	1:39:B:PHE:HA	1	0.21
(1,3529)	1:34:A:LEU:HB2	1:39:A:PHE:HA	1	0.21
(1,3524)	1:73:B:GLY:HA3	1:64:B:MET:HG3	16	0.21
(1,3523)	1:73:A:GLY:HA3	1:64:A:MET:HG3	16	0.21
(1,3504)	1:33:B:THR:HA	1:80:B:PHE:HB2	14	0.21
(1,3503)	1:33:A:THR:HA	1:80:A:PHE:HB2	14	0.21
(1,3442)	1:69:B:THR:HB	1:66:B:LYS:HG2	6	0.21
(1,3420)	1:11:B:GLU:HA	1:47:A:LEU:HA	10	0.21
(1,3419)	1:11:A:GLU:HA	1:47:B:LEU:HA	10	0.21
(1,3362)	1:19:B:ALA:HB2	1:9:A:GLU:HA	12	0.21
(1,3360)	1:19:B:ALA:HB2	1:9:A:GLU:HA	12	0.21
(1,3170)	1:23:B:LYS:H	1:23:B:LYS:HD3	9	0.21
(1,3169)	1:23:A:LYS:H	1:23:A:LYS:HD3	9	0.21
(1,3092)	1:75:B:LEU:H	1:75:B:LEU:HB3	14	0.21
(1,3091)	1:75:A:LEU:H	1:75:A:LEU:HB3	14	0.21
(1,3055)	1:94:A:SER:H	1:93:A:ASP:HB2	3	0.21
(1,3018)	1:78:B:SER:H	1:77:B:PHE:HB3	13	0.21
(1,3017)	1:78:A:SER:H	1:77:A:PHE:HB3	13	0.21
(1,2886)	1:38:B:GLU:H	1:37:B:THR:HG22	5	0.21
(1,2724)	1:78:B:SER:H	1:81:B:LEU:HD11	1	0.21
(1,2716)	1:22:B:GLN:H	1:18:B:ILE:HG23	5	0.21
(1,2630)	1:69:B:THR:H	1:67:B:LEU:HB2	8	0.21
(1,2630)	1:69:B:THR:H	1:67:B:LEU:HB2	14	0.21
(1,2629)	1:69:A:THR:H	1:67:A:LEU:HB2	8	0.21
(1,2626)	1:86:B:GLY:H	1:89:B:MET:HB2	18	0.21
(1,2360)	1:23:B:LYS:HE2	1:23:B:LYS:HE3	2	0.21
(1,2360)	1:23:B:LYS:HE2	1:23:B:LYS:HE3	4	0.21
(1,2360)	1:23:B:LYS:HE2	1:23:B:LYS:HE3	7	0.21
(1,2360)	1:23:B:LYS:HE2	1:23:B:LYS:HE3	9	0.21
(1,2360)	1:23:B:LYS:HE2	1:23:B:LYS:HE3	15	0.21
(1,2360)	1:23:B:LYS:HE2	1:23:B:LYS:HE3	16	0.21
(1,2359)	1:23:A:LYS:HE2	1:23:A:LYS:HE3	1	0.21
(1,2359)	1:23:A:LYS:HE2	1:23:A:LYS:HE3	2	0.21
(1,2359)	1:23:A:LYS:HE2	1:23:A:LYS:HE3	3	0.21
(1,2359)	1:23:A:LYS:HE2	1:23:A:LYS:HE3	4	0.21
(1,2359)	1:23:A:LYS:HE2	1:23:A:LYS:HE3	7	0.21
(1,2359)	1:23:A:LYS:HE2	1:23:A:LYS:HE3	9	0.21
(1,2359)	1:23:A:LYS:HE2	1:23:A:LYS:HE3	10	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2359)	1:23:A:LYS:HE2	1:23:A:LYS:HE3	15	0.21
(1,2359)	1:23:A:LYS:HE2	1:23:A:LYS:HE3	16	0.21
(1,2359)	1:23:A:LYS:HE2	1:23:A:LYS:HE3	19	0.21
(1,2318)	1:17:B:LEU:HD12	1:17:B:LEU:HD22	7	0.21
(1,2318)	1:17:B:LEU:HD12	1:17:B:LEU:HD21	15	0.21
(1,2317)	1:17:A:LEU:HD12	1:17:A:LEU:HD22	7	0.21
(1,2317)	1:17:A:LEU:HD11	1:17:A:LEU:HD22	10	0.21
(1,2317)	1:17:A:LEU:HD12	1:17:A:LEU:HD21	15	0.21
(1,2150)	1:23:B:LYS:HG2	1:23:B:LYS:HE2	18	0.21
(1,2149)	1:23:A:LYS:HG2	1:23:A:LYS:HE2	18	0.21
(1,1860)	1:100:B:PRO:HB3	1:96:B:LEU:HD12	7	0.21
(1,1858)	1:57:B:PRO:HD3	1:57:B:PRO:HA	8	0.21
(1,1857)	1:57:A:PRO:HD3	1:57:A:PRO:HA	1	0.21
(1,1857)	1:57:A:PRO:HD3	1:57:A:PRO:HA	8	0.21
(1,1848)	1:59:B:VAL:HG23	1:60:B:LEU:HA	2	0.21
(1,1848)	1:59:B:VAL:HG23	1:60:B:LEU:HA	13	0.21
(1,1847)	1:59:A:VAL:HG23	1:60:A:LEU:HA	2	0.21
(1,1847)	1:59:A:VAL:HG23	1:60:A:LEU:HA	13	0.21
(1,1828)	1:57:B:PRO:HD3	1:57:B:PRO:HA	9	0.21
(1,1828)	1:57:B:PRO:HD3	1:57:B:PRO:HA	12	0.21
(1,1827)	1:57:A:PRO:HD3	1:57:A:PRO:HA	9	0.21
(1,1827)	1:57:A:PRO:HD3	1:57:A:PRO:HA	12	0.21
(1,1823)	1:63:A:MET:HB2	1:67:A:LEU:HD12	19	0.21
(1,1800)	1:66:B:LYS:HE2	1:63:B:MET:HG3	8	0.21
(1,1799)	1:66:A:LYS:HE2	1:63:A:MET:HG3	8	0.21
(1,1686)	1:17:B:LEU:HB2	1:17:B:LEU:HD23	3	0.21
(1,1638)	1:38:B:GLU:HA	1:27:B:LYS:HD2	1	0.21
(1,1632)	1:60:B:LEU:H	1:59:B:VAL:HG22	9	0.21
(1,1631)	1:60:A:LEU:H	1:59:A:VAL:HG22	9	0.21
(1,1631)	1:60:A:LEU:H	1:59:A:VAL:HG22	11	0.21
(1,1599)	1:13:A:CYS:HB2	1:17:B:LEU:HD21	12	0.21
(1,1580)	1:57:B:PRO:HD3	1:57:B:PRO:HB2	10	0.21
(1,1454)	1:48:B:ALA:HA	1:51:B:THR:HG21	13	0.21
(1,1453)	1:48:A:ALA:HA	1:51:A:THR:HG21	1	0.21
(1,1453)	1:48:A:ALA:HA	1:51:A:THR:HG21	13	0.21
(1,1402)	1:15:B:GLU:HA	1:18:B:ILE:HG22	1	0.21
(1,1402)	1:15:B:GLU:HA	1:18:B:ILE:HG21	10	0.21
(1,1402)	1:15:B:GLU:HA	1:18:B:ILE:HG22	16	0.21
(1,1401)	1:15:A:GLU:HA	1:18:A:ILE:HG21	10	0.21
(1,1378)	1:49:B:ALA:HB2	1:50:B:PHE:HB2	20	0.21
(1,1237)	1:62:A:ARG:HB3	1:59:A:VAL:HA	15	0.21
(1,1205)	1:48:A:ALA:HB2	1:52:A:LYS:H	17	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1158)	1:23:B:LYS:HD3	1:20:B:VAL:HB	12	0.21
(1,1157)	1:23:A:LYS:HD3	1:20:A:VAL:HB	12	0.21
(1,1006)	1:9:B:GLU:HG2	1:8:B:THR:HB	7	0.21
(1,986)	1:61:B:ASP:H	1:58:B:GLY:HA3	5	0.21
(1,985)	1:61:A:ASP:H	1:58:A:GLY:HA3	5	0.21
(1,985)	1:61:A:ASP:H	1:58:A:GLY:HA3	14	0.21
(1,954)	1:47:B:LEU:H	1:51:B:THR:HG22	4	0.21
(1,953)	1:47:A:LEU:H	1:51:A:THR:HG22	4	0.21
(1,884)	1:34:B:LEU:HB3	1:80:B:PHE:HB2	7	0.21
(1,883)	1:34:A:LEU:HB3	1:80:A:PHE:HB2	7	0.21
(1,836)	1:59:B:VAL:HG21	1:62:B:ARG:H	8	0.21
(1,835)	1:59:A:VAL:HG21	1:62:A:ARG:H	8	0.21
(1,828)	1:40:B:LEU:HA	1:39:B:PHE:HB2	5	0.21
(1,828)	1:40:B:LEU:HA	1:39:B:PHE:HB2	16	0.21
(1,827)	1:40:A:LEU:HA	1:39:A:PHE:HB2	5	0.21
(1,827)	1:40:A:LEU:HA	1:39:A:PHE:HB2	16	0.21
(1,742)	1:9:B:GLU:HG3	1:12:B:ARG:HD2	7	0.21
(1,741)	1:9:A:GLU:HG3	1:12:A:ARG:HD2	7	0.21
(1,714)	1:16:B:SER:HB3	1:17:B:LEU:HD22	15	0.21
(1,690)	1:17:B:LEU:HG	1:81:B:LEU:HD21	6	0.21
(1,686)	1:84:B:ILE:HB	1:83:B:LEU:HG	6	0.21
(1,686)	1:84:B:ILE:HB	1:83:B:LEU:HG	14	0.21
(1,686)	1:84:B:ILE:HB	1:83:B:LEU:HG	15	0.21
(1,685)	1:84:A:ILE:HB	1:83:A:LEU:HG	6	0.21
(1,685)	1:84:A:ILE:HB	1:83:A:LEU:HG	14	0.21
(1,685)	1:84:A:ILE:HB	1:83:A:LEU:HG	15	0.21
(1,674)	1:13:B:CYS:HB2	1:14:B:ILE:HG13	16	0.21
(1,662)	1:73:B:GLY:HA2	1:74:B:GLN:HG3	1	0.21
(1,662)	1:73:B:GLY:HA2	1:74:B:GLN:HG3	14	0.21
(1,661)	1:73:A:GLY:HA2	1:74:A:GLN:HG3	1	0.21
(1,661)	1:73:A:GLY:HA2	1:74:A:GLN:HG3	14	0.21
(1,647)	1:14:A:ILE:HB	1:88:B:ALA:HB1	8	0.21
(1,647)	1:14:A:ILE:HB	1:88:B:ALA:HB3	19	0.21
(1,622)	1:63:B:MET:H	1:62:B:ARG:HG2	13	0.21
(1,610)	1:63:B:MET:H	1:62:B:ARG:HG2	18	0.21
(1,552)	1:42:B:PHE:HA	1:45:B:THR:HG22	4	0.21
(1,540)	1:16:B:SER:HA	1:15:B:GLU:H	13	0.21
(1,540)	1:16:B:SER:HA	1:15:B:GLU:H	18	0.21
(1,539)	1:16:A:SER:HA	1:15:A:GLU:H	13	0.21
(1,539)	1:16:A:SER:HA	1:15:A:GLU:H	18	0.21
(1,346)	1:23:B:LYS:HA	1:25:B:ALA:HB3	12	0.21
(1,345)	1:23:A:LYS:HA	1:25:A:ALA:HB3	12	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,325)	1:96:A:LEU:HG	1:95:A:PHE:HB3	20	0.21
(1,268)	1:75:B:LEU:HB3	1:39:B:PHE:HB3	11	0.21
(1,217)	1:18:A:ILE:HA	1:95:B:PHE:HB2	18	0.21
(1,97)	1:9:A:GLU:HB3	1:20:B:VAL:HB	17	0.21
(1,56)	1:17:B:LEU:HD12	1:13:A:CYS:HB2	7	0.21
(1,42)	1:81:B:LEU:HD22	1:88:A:ALA:HB3	10	0.21
(1,41)	1:81:A:LEU:HD22	1:88:B:ALA:HB3	10	0.21
(1,11)	1:18:A:ILE:HG22	1:94:B:SER:HB2	5	0.21
(2,78)	1:61:B:ASP:HA	1:59:B:VAL:HA	17	0.2
(2,77)	1:61:A:ASP:HA	1:59:A:VAL:HA	17	0.2
(2,31)	1:38:A:GLU:HA	1:34:A:LEU:HA	9	0.2
(1,5784)	1:14:B:ILE:H	1:14:B:ILE:HG13	6	0.2
(1,5783)	1:14:A:ILE:H	1:14:A:ILE:HG13	6	0.2
(1,5664)	1:40:B:LEU:H	1:40:B:LEU:HB3	7	0.2
(1,5664)	1:40:B:LEU:H	1:40:B:LEU:HB3	8	0.2
(1,5664)	1:40:B:LEU:H	1:40:B:LEU:HB3	9	0.2
(1,5663)	1:40:A:LEU:H	1:40:A:LEU:HB3	7	0.2
(1,5663)	1:40:A:LEU:H	1:40:A:LEU:HB3	8	0.2
(1,5663)	1:40:A:LEU:H	1:40:A:LEU:HB3	9	0.2
(1,5498)	1:76:B:ASP:H	1:72:B:ASP:HB3	4	0.2
(1,5497)	1:76:A:ASP:H	1:72:A:ASP:HB3	4	0.2
(1,5492)	1:49:B:ALA:H	1:47:B:LEU:HG	7	0.2
(1,5491)	1:49:A:ALA:H	1:47:A:LEU:HG	7	0.2
(1,5458)	1:95:B:PHE:H	1:96:B:LEU:HD22	1	0.2
(1,5435)	1:42:A:PHE:H	1:40:A:LEU:HD21	7	0.2
(1,5414)	1:35:B:SER:H	1:36:B:LYS:H	4	0.2
(1,5413)	1:35:A:SER:H	1:36:A:LYS:H	4	0.2
(1,5412)	1:17:B:LEU:H	1:18:B:ILE:HB	6	0.2
(1,5411)	1:17:A:LEU:H	1:18:A:ILE:HB	6	0.2
(1,5390)	1:23:B:LYS:H	1:23:B:LYS:HE2	15	0.2
(1,5356)	1:19:B:ALA:H	1:9:A:GLU:HG2	9	0.2
(1,5319)	1:77:A:PHE:H	1:78:A:SER:HB3	8	0.2
(1,5312)	1:28:B:ASP:H	1:34:B:LEU:HD23	19	0.2
(1,5311)	1:28:A:ASP:H	1:34:A:LEU:HD23	2	0.2
(1,5311)	1:28:A:ASP:H	1:34:A:LEU:HD23	19	0.2
(1,5280)	1:28:B:ASP:H	1:34:B:LEU:HD23	19	0.2
(1,5279)	1:28:A:ASP:H	1:34:A:LEU:HD23	2	0.2
(1,5279)	1:28:A:ASP:H	1:34:A:LEU:HD23	19	0.2
(1,5265)	1:8:A:THR:H	1:47:B:LEU:HD21	18	0.2
(1,5206)	1:44:B:ASN:H	1:60:B:LEU:HB2	13	0.2
(1,5204)	1:75:B:LEU:H	1:64:B:MET:HG3	6	0.2
(1,5168)	1:98:B:ALA:HB1	1:98:B:ALA:HB3	1	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5168)	1:98:B:ALA:HB2	1:98:B:ALA:HB1	2	0.2
(1,5168)	1:98:B:ALA:HB2	1:98:B:ALA:HB1	4	0.2
(1,5168)	1:98:B:ALA:HB2	1:98:B:ALA:HB3	5	0.2
(1,5168)	1:98:B:ALA:HB2	1:98:B:ALA:HB1	6	0.2
(1,5168)	1:98:B:ALA:HB2	1:98:B:ALA:HB1	7	0.2
(1,5168)	1:98:B:ALA:HB2	1:98:B:ALA:HB3	9	0.2
(1,5168)	1:98:B:ALA:HB2	1:98:B:ALA:HB1	10	0.2
(1,5168)	1:98:B:ALA:HB1	1:98:B:ALA:HB3	11	0.2
(1,5168)	1:98:B:ALA:HB2	1:98:B:ALA:HB1	12	0.2
(1,5168)	1:98:B:ALA:HB2	1:98:B:ALA:HB3	13	0.2
(1,5168)	1:48:B:ALA:HB2	1:48:B:ALA:HB1	15	0.2
(1,5168)	1:98:B:ALA:HB2	1:98:B:ALA:HB3	17	0.2
(1,5168)	1:98:B:ALA:HB1	1:98:B:ALA:HB3	18	0.2
(1,5168)	1:48:B:ALA:HB1	1:48:B:ALA:HB3	20	0.2
(1,5167)	1:98:A:ALA:HB2	1:98:A:ALA:HB1	2	0.2
(1,5167)	1:98:A:ALA:HB1	1:98:A:ALA:HB3	3	0.2
(1,5167)	1:48:A:ALA:HB2	1:48:A:ALA:HB1	4	0.2
(1,5167)	1:98:A:ALA:HB2	1:98:A:ALA:HB3	5	0.2
(1,5167)	1:98:A:ALA:HB1	1:98:A:ALA:HB3	8	0.2
(1,5167)	1:48:A:ALA:HB2	1:48:A:ALA:HB3	9	0.2
(1,5167)	1:48:A:ALA:HB2	1:48:A:ALA:HB3	10	0.2
(1,5167)	1:98:A:ALA:HB1	1:98:A:ALA:HB3	11	0.2
(1,5167)	1:98:A:ALA:HB2	1:98:A:ALA:HB1	12	0.2
(1,5167)	1:98:A:ALA:HB2	1:98:A:ALA:HB3	17	0.2
(1,5167)	1:98:A:ALA:HB1	1:98:A:ALA:HB3	18	0.2
(1,5167)	1:98:A:ALA:HB2	1:98:A:ALA:HB3	19	0.2
(1,5167)	1:98:A:ALA:HB2	1:98:A:ALA:HB1	20	0.2
(1,5112)	1:45:B:THR:HA	1:45:B:THR:HG21	13	0.2
(1,5111)	1:45:A:THR:HA	1:45:A:THR:HG21	13	0.2
(1,5111)	1:45:A:THR:HA	1:45:A:THR:HG23	20	0.2
(1,5110)	1:45:B:THR:HA	1:45:B:THR:HG23	20	0.2
(1,5109)	1:45:A:THR:HA	1:45:A:THR:HG23	20	0.2
(1,5102)	1:37:B:THR:HA	1:37:B:THR:HG23	18	0.2
(1,5101)	1:37:A:THR:HA	1:37:A:THR:HG21	1	0.2
(1,5101)	1:37:A:THR:HA	1:37:A:THR:HG22	10	0.2
(1,5100)	1:17:B:LEU:HD23	1:17:B:LEU:HB3	9	0.2
(1,5099)	1:17:A:LEU:HD23	1:17:A:LEU:HB3	9	0.2
(1,5098)	1:66:B:LYS:HB2	1:66:B:LYS:HA	1	0.2
(1,5097)	1:66:A:LYS:HB2	1:66:A:LYS:HA	1	0.2
(1,5044)	1:87:B:LEU:HD11	1:83:B:LEU:HD23	16	0.2
(1,5043)	1:87:A:LEU:HD11	1:83:A:LEU:HD23	16	0.2
(1,5034)	1:24:B:TYR:HA	1:27:B:LYS:HD2	20	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5033)	1:24:A:TYR:HA	1:27:A:LYS:HD2	20	0.2
(1,4932)	1:61:B:ASP:HB3	1:61:B:ASP:HA	2	0.2
(1,4932)	1:61:B:ASP:HB3	1:61:B:ASP:HA	20	0.2
(1,4931)	1:61:A:ASP:HB3	1:61:A:ASP:HA	2	0.2
(1,4931)	1:61:A:ASP:HB3	1:61:A:ASP:HA	20	0.2
(1,4928)	1:61:B:ASP:HB3	1:61:B:ASP:HA	5	0.2
(1,4928)	1:61:B:ASP:HB3	1:61:B:ASP:HA	6	0.2
(1,4927)	1:61:A:ASP:HB3	1:61:A:ASP:HA	5	0.2
(1,4927)	1:61:A:ASP:HB3	1:61:A:ASP:HA	6	0.2
(1,4897)	1:88:A:ALA:HB2	1:17:B:LEU:HD12	16	0.2
(1,4832)	1:12:B:ARG:HD2	1:9:B:GLU:HA	3	0.2
(1,4831)	1:12:A:ARG:HD2	1:9:A:GLU:HA	3	0.2
(1,4830)	1:18:B:ILE:HG21	1:14:B:ILE:HG21	13	0.2
(1,4829)	1:18:A:ILE:HG21	1:14:A:ILE:HG21	13	0.2
(1,4823)	1:67:A:LEU:HD13	1:80:A:PHE:HA	7	0.2
(1,4806)	1:18:B:ILE:HG21	1:14:B:ILE:HG21	13	0.2
(1,4805)	1:18:A:ILE:HG21	1:14:A:ILE:HG21	13	0.2
(1,4718)	1:87:B:LEU:HD21	1:11:A:GLU:HB3	2	0.2
(1,4675)	1:89:A:MET:HG3	1:78:B:SER:HB3	14	0.2
(1,4650)	1:63:B:MET:HB2	1:67:B:LEU:HD11	2	0.2
(1,4643)	1:10:A:THR:HG23	1:20:B:VAL:HB	18	0.2
(1,4640)	1:48:B:ALA:HA	1:52:B:LYS:HB2	20	0.2
(1,4639)	1:48:A:ALA:HA	1:52:A:LYS:HB2	20	0.2
(1,4620)	1:68:B:ASP:HB2	1:65:B:LYS:HA	13	0.2
(1,4619)	1:68:A:ASP:HB2	1:65:A:LYS:HA	7	0.2
(1,4606)	1:75:B:LEU:HD11	1:83:B:LEU:HB2	2	0.2
(1,4606)	1:75:B:LEU:HD13	1:83:B:LEU:HB2	11	0.2
(1,4606)	1:75:B:LEU:HD13	1:83:B:LEU:HB2	13	0.2
(1,4605)	1:75:A:LEU:HD11	1:83:A:LEU:HB2	2	0.2
(1,4605)	1:75:A:LEU:HD13	1:83:A:LEU:HB2	11	0.2
(1,4605)	1:75:A:LEU:HD13	1:83:A:LEU:HB2	13	0.2
(1,4590)	1:88:B:ALA:HB1	1:14:A:ILE:HA	8	0.2
(1,4590)	1:88:B:ALA:HB3	1:14:A:ILE:HA	11	0.2
(1,4589)	1:88:A:ALA:HB2	1:14:B:ILE:HA	10	0.2
(1,4572)	1:47:B:LEU:HD11	1:39:B:PHE:HA	14	0.2
(1,4571)	1:47:A:LEU:HD11	1:39:A:PHE:HA	14	0.2
(1,4558)	1:63:B:MET:HG2	1:60:B:LEU:HD23	2	0.2
(1,4558)	1:63:B:MET:HG2	1:60:B:LEU:HD21	4	0.2
(1,4557)	1:63:A:MET:HG2	1:60:A:LEU:HD23	2	0.2
(1,4548)	1:50:B:PHE:HB2	1:47:B:LEU:HD22	13	0.2
(1,4546)	1:23:B:LYS:HE2	1:46:B:GLU:HG3	18	0.2
(1,4545)	1:23:A:LYS:HE2	1:46:A:GLU:HG3	18	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4538)	1:34:B:LEU:HD23	1:26:B:GLY:H	6	0.2
(1,4537)	1:34:A:LEU:HD23	1:26:A:GLY:H	6	0.2
(1,4527)	1:49:A:ALA:HB3	1:47:A:LEU:HB2	8	0.2
(1,4515)	1:94:A:SER:HB3	1:95:A:PHE:HB2	14	0.2
(1,4495)	1:38:A:GLU:HA	1:34:A:LEU:HD22	10	0.2
(1,4458)	1:18:B:ILE:HG23	1:19:B:ALA:HB2	13	0.2
(1,4428)	1:83:B:LEU:HD13	1:87:B:LEU:H	2	0.2
(1,4428)	1:83:B:LEU:HD12	1:87:B:LEU:H	15	0.2
(1,4428)	1:83:B:LEU:HD12	1:87:B:LEU:H	17	0.2
(1,4428)	1:83:B:LEU:HD12	1:87:B:LEU:H	19	0.2
(1,4427)	1:83:A:LEU:HD13	1:87:A:LEU:H	2	0.2
(1,4427)	1:83:A:LEU:HD12	1:87:A:LEU:H	17	0.2
(1,4424)	1:40:B:LEU:HG	1:36:B:LYS:HA	1	0.2
(1,4423)	1:40:A:LEU:HG	1:36:A:LYS:HA	1	0.2
(1,4416)	1:13:B:CYS:H	1:12:B:ARG:HB2	15	0.2
(1,4368)	1:44:B:ASN:HA	1:60:B:LEU:HD13	7	0.2
(1,4358)	1:48:B:ALA:HA	1:52:B:LYS:HB2	5	0.2
(1,4358)	1:48:B:ALA:HA	1:52:B:LYS:HB2	12	0.2
(1,4357)	1:48:A:ALA:HA	1:52:A:LYS:HB2	5	0.2
(1,4357)	1:48:A:ALA:HA	1:52:A:LYS:HB2	12	0.2
(1,4356)	1:23:B:LYS:HB2	1:23:B:LYS:HE3	15	0.2
(1,4355)	1:23:A:LYS:HB2	1:23:A:LYS:HE3	15	0.2
(1,4281)	1:20:A:VAL:HG12	1:81:A:LEU:HD22	7	0.2
(1,4261)	1:63:A:MET:HG2	1:59:A:VAL:HA	11	0.2
(1,4233)	1:68:A:ASP:HB2	1:65:A:LYS:HD2	13	0.2
(1,4178)	1:8:B:THR:HG22	1:46:A:GLU:H	18	0.2
(1,4176)	1:9:B:GLU:HG2	1:10:B:THR:H	6	0.2
(1,4175)	1:9:A:GLU:HG2	1:10:A:THR:H	6	0.2
(1,4172)	1:44:B:ASN:HB2	1:43:B:MET:HB2	14	0.2
(1,4172)	1:44:B:ASN:HB2	1:43:B:MET:HB2	15	0.2
(1,4171)	1:44:A:ASN:HB2	1:43:A:MET:HB2	14	0.2
(1,4094)	1:38:B:GLU:HB3	1:27:B:LYS:HE2	19	0.2
(1,4093)	1:38:A:GLU:HB3	1:27:A:LYS:HE2	19	0.2
(1,4076)	1:28:B:ASP:HA	1:27:B:LYS:HB3	5	0.2
(1,4075)	1:28:A:ASP:HA	1:27:A:LYS:HB3	5	0.2
(1,4070)	1:18:B:ILE:H	1:18:B:ILE:HG21	8	0.2
(1,4070)	1:18:B:ILE:H	1:18:B:ILE:HG23	10	0.2
(1,4069)	1:18:A:ILE:H	1:18:A:ILE:HG21	8	0.2
(1,4069)	1:18:A:ILE:H	1:18:A:ILE:HG23	10	0.2
(1,4062)	1:66:B:LYS:H	1:65:B:LYS:HG2	6	0.2
(1,4061)	1:66:A:LYS:H	1:65:A:LYS:HG2	6	0.2
(1,4060)	1:97:B:LYS:HG2	1:98:B:ALA:H	11	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4060)	1:97:B:LYS:HG2	1:98:B:ALA:H	17	0.2
(1,4059)	1:97:A:LYS:HG3	1:98:A:ALA:H	10	0.2
(1,4054)	1:68:B:ASP:HA	1:69:B:THR:HA	17	0.2
(1,4053)	1:68:A:ASP:HA	1:69:A:THR:HA	17	0.2
(1,4052)	1:58:B:GLY:HA3	1:57:B:PRO:HG2	18	0.2
(1,4049)	1:74:A:GLN:HG3	1:68:A:ASP:HB2	20	0.2
(1,4004)	1:51:B:THR:HB	1:50:B:PHE:HB3	13	0.2
(1,4004)	1:51:B:THR:HB	1:50:B:PHE:HB3	19	0.2
(1,4004)	1:51:B:THR:HB	1:50:B:PHE:HB3	20	0.2
(1,4003)	1:51:A:THR:HB	1:50:A:PHE:HB3	13	0.2
(1,4003)	1:51:A:THR:HB	1:50:A:PHE:HB3	19	0.2
(1,4003)	1:51:A:THR:HB	1:50:A:PHE:HB3	20	0.2
(1,3980)	1:82:B:ASN:HA	1:67:B:LEU:HB3	12	0.2
(1,3979)	1:82:A:ASN:HA	1:67:A:LEU:HB3	12	0.2
(1,3972)	1:34:B:LEU:HD12	1:80:B:PHE:HB3	3	0.2
(1,3971)	1:34:A:LEU:HD12	1:80:A:PHE:HB3	3	0.2
(1,3958)	1:17:B:LEU:HG	1:16:B:SER:HB3	20	0.2
(1,3957)	1:17:A:LEU:HG	1:16:A:SER:HB3	20	0.2
(1,3946)	1:42:B:PHE:HA	1:46:B:GLU:HB2	17	0.2
(1,3945)	1:42:A:PHE:HA	1:46:A:GLU:HB2	17	0.2
(1,3934)	1:34:B:LEU:HA	1:35:B:SER:HB3	5	0.2
(1,3934)	1:34:B:LEU:HA	1:35:B:SER:HB3	9	0.2
(1,3934)	1:34:B:LEU:HA	1:35:B:SER:HB3	12	0.2
(1,3934)	1:34:B:LEU:HA	1:35:B:SER:HB3	17	0.2
(1,3934)	1:34:B:LEU:HA	1:35:B:SER:HB3	20	0.2
(1,3933)	1:34:A:LEU:HA	1:35:A:SER:HB3	1	0.2
(1,3933)	1:34:A:LEU:HA	1:35:A:SER:HB3	9	0.2
(1,3933)	1:34:A:LEU:HA	1:35:A:SER:HB3	12	0.2
(1,3933)	1:34:A:LEU:HA	1:35:A:SER:HB3	15	0.2
(1,3933)	1:34:A:LEU:HA	1:35:A:SER:HB3	20	0.2
(1,3914)	1:35:B:SER:HA	1:34:B:LEU:HG	6	0.2
(1,3913)	1:35:A:SER:HA	1:34:A:LEU:HG	6	0.2
(1,3902)	1:76:B:ASP:HA	1:34:B:LEU:HB2	20	0.2
(1,3901)	1:76:A:ASP:HA	1:34:A:LEU:HB2	20	0.2
(1,3888)	1:14:B:ILE:HA	1:16:B:SER:HB2	1	0.2
(1,3887)	1:14:A:ILE:HA	1:16:A:SER:HB2	1	0.2
(1,3886)	1:100:B:PRO:HG3	1:96:B:LEU:HG	3	0.2
(1,3886)	1:100:B:PRO:HG3	1:96:B:LEU:HG	4	0.2
(1,3886)	1:100:B:PRO:HG3	1:96:B:LEU:HG	14	0.2
(1,3886)	1:100:B:PRO:HG3	1:96:B:LEU:HG	15	0.2
(1,3885)	1:100:A:PRO:HG3	1:96:A:LEU:HG	3	0.2
(1,3885)	1:100:A:PRO:HG3	1:96:A:LEU:HG	4	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3879)	1:69:A:THR:HB	1:82:A:ASN:HB3	4	0.2
(1,3846)	1:8:B:THR:HA	1:12:B:ARG:HG2	9	0.2
(1,3843)	1:17:A:LEU:HB3	1:14:A:ILE:HA	11	0.2
(1,3822)	1:10:B:THR:HA	1:17:A:LEU:HA	16	0.2
(1,3821)	1:10:A:THR:HA	1:17:B:LEU:HA	16	0.2
(1,3820)	1:47:B:LEU:HD12	1:43:B:MET:H	19	0.2
(1,3819)	1:47:A:LEU:HD12	1:43:A:MET:H	19	0.2
(1,3752)	1:11:B:GLU:HB2	1:8:B:THR:HB	5	0.2
(1,3752)	1:11:B:GLU:HB2	1:8:B:THR:HB	18	0.2
(1,3751)	1:11:A:GLU:HB2	1:8:A:THR:HB	5	0.2
(1,3751)	1:11:A:GLU:HB2	1:8:A:THR:HB	18	0.2
(1,3748)	1:84:B:ILE:HB	1:85:B:GLY:HA2	11	0.2
(1,3700)	1:69:B:THR:HB	1:68:B:ASP:HB3	15	0.2
(1,3700)	1:69:B:THR:HB	1:68:B:ASP:HB3	20	0.2
(1,3699)	1:69:A:THR:HB	1:68:A:ASP:HB3	20	0.2
(1,3671)	1:7:A:PRO:HB2	1:8:A:THR:HB	18	0.2
(1,3638)	1:34:B:LEU:HB3	1:24:B:TYR:HB3	9	0.2
(1,3637)	1:34:A:LEU:HB3	1:24:A:TYR:HB3	9	0.2
(1,3622)	1:60:B:LEU:HB2	1:57:B:PRO:HB2	18	0.2
(1,3621)	1:60:A:LEU:HB2	1:57:A:PRO:HB2	18	0.2
(1,3583)	1:77:A:PHE:HB2	1:79:A:GLU:H	19	0.2
(1,3536)	1:18:B:ILE:HB	1:21:B:PHE:HB2	10	0.2
(1,3535)	1:18:A:ILE:HB	1:21:A:PHE:HB2	10	0.2
(1,3508)	1:46:B:GLU:HB3	1:45:B:THR:HB	14	0.2
(1,3468)	1:75:B:LEU:HB3	1:33:B:THR:HA	6	0.2
(1,3462)	1:84:B:ILE:HB	1:80:B:PHE:HB3	10	0.2
(1,3461)	1:84:A:ILE:HB	1:80:A:PHE:HB3	10	0.2
(1,3441)	1:69:A:THR:HB	1:66:A:LYS:HG2	6	0.2
(1,3440)	1:14:B:ILE:HB	1:13:B:CYS:HA	13	0.2
(1,3439)	1:14:A:ILE:HB	1:13:A:CYS:HA	13	0.2
(1,3407)	1:11:A:GLU:HB2	1:46:B:GLU:HA	17	0.2
(1,3382)	1:87:B:LEU:HD21	1:11:A:GLU:HB3	2	0.2
(1,3366)	1:10:B:THR:HG22	1:47:A:LEU:HG	10	0.2
(1,3365)	1:10:A:THR:HG22	1:47:B:LEU:HG	10	0.2
(1,3170)	1:23:B:LYS:H	1:23:B:LYS:HD3	17	0.2
(1,3169)	1:23:A:LYS:H	1:23:A:LYS:HD3	17	0.2
(1,3092)	1:75:B:LEU:H	1:75:B:LEU:HB3	3	0.2
(1,3092)	1:75:B:LEU:H	1:75:B:LEU:HB3	13	0.2
(1,3091)	1:75:A:LEU:H	1:75:A:LEU:HB3	3	0.2
(1,3091)	1:75:A:LEU:H	1:75:A:LEU:HB3	13	0.2
(1,3055)	1:94:A:SER:H	1:93:A:ASP:HB2	11	0.2
(1,2885)	1:38:A:GLU:H	1:37:A:THR:HG22	5	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2724)	1:78:B:SER:H	1:81:B:LEU:HD13	18	0.2
(1,2723)	1:78:A:SER:H	1:81:A:LEU:HD11	1	0.2
(1,2723)	1:78:A:SER:H	1:81:A:LEU:HD13	18	0.2
(1,2702)	1:74:B:GLN:H	1:33:B:THR:HG22	20	0.2
(1,2701)	1:74:A:GLN:H	1:33:A:THR:HG22	20	0.2
(1,2630)	1:69:B:THR:H	1:67:B:LEU:HB2	7	0.2
(1,2630)	1:69:B:THR:H	1:67:B:LEU:HB2	18	0.2
(1,2629)	1:69:A:THR:H	1:67:A:LEU:HB2	7	0.2
(1,2629)	1:69:A:THR:H	1:67:A:LEU:HB2	18	0.2
(1,2625)	1:86:A:GLY:H	1:89:A:MET:HB2	18	0.2
(1,2318)	1:17:B:LEU:HD11	1:17:B:LEU:HD22	10	0.2
(1,2318)	1:17:B:LEU:HD11	1:17:B:LEU:HD21	18	0.2
(1,2318)	1:17:B:LEU:HD11	1:17:B:LEU:HD23	19	0.2
(1,2318)	1:17:B:LEU:HD13	1:17:B:LEU:HD21	20	0.2
(1,2317)	1:17:A:LEU:HD11	1:17:A:LEU:HD21	18	0.2
(1,2317)	1:17:A:LEU:HD11	1:17:A:LEU:HD23	19	0.2
(1,2317)	1:17:A:LEU:HD13	1:17:A:LEU:HD21	20	0.2
(1,2032)	1:40:B:LEU:HD11	1:36:B:LYS:HE2	7	0.2
(1,2031)	1:40:A:LEU:HD11	1:36:A:LYS:HE2	7	0.2
(1,1896)	1:19:B:ALA:HB1	1:9:A:GLU:HG2	2	0.2
(1,1861)	1:66:A:LYS:HG3	1:67:A:LEU:HD21	9	0.2
(1,1859)	1:100:A:PRO:HB3	1:96:A:LEU:HD12	7	0.2
(1,1848)	1:59:B:VAL:HG22	1:60:B:LEU:HA	5	0.2
(1,1848)	1:59:B:VAL:HG22	1:60:B:LEU:HA	11	0.2
(1,1847)	1:59:A:VAL:HG22	1:60:A:LEU:HA	5	0.2
(1,1847)	1:59:A:VAL:HG22	1:60:A:LEU:HA	11	0.2
(1,1828)	1:57:B:PRO:HD3	1:57:B:PRO:HA	3	0.2
(1,1828)	1:57:B:PRO:HD3	1:57:B:PRO:HA	18	0.2
(1,1827)	1:57:A:PRO:HD3	1:57:A:PRO:HA	3	0.2
(1,1827)	1:57:A:PRO:HD3	1:57:A:PRO:HA	18	0.2
(1,1822)	1:11:B:GLU:HG3	1:11:B:GLU:HA	9	0.2
(1,1821)	1:11:A:GLU:HG3	1:11:A:GLU:HA	9	0.2
(1,1808)	1:10:B:THR:HA	1:10:B:THR:HG22	1	0.2
(1,1808)	1:10:B:THR:HA	1:10:B:THR:HG23	18	0.2
(1,1807)	1:10:A:THR:HA	1:10:A:THR:HG22	1	0.2
(1,1807)	1:10:A:THR:HA	1:10:A:THR:HG23	18	0.2
(1,1726)	1:40:B:LEU:HA	1:43:B:MET:HB3	8	0.2
(1,1725)	1:40:A:LEU:HA	1:43:A:MET:HB3	8	0.2
(1,1686)	1:17:B:LEU:HB2	1:17:B:LEU:HD21	1	0.2
(1,1686)	1:17:B:LEU:HB2	1:17:B:LEU:HD21	7	0.2
(1,1685)	1:17:A:LEU:HB2	1:17:A:LEU:HD21	1	0.2
(1,1685)	1:17:A:LEU:HB2	1:17:A:LEU:HD21	7	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1684)	1:96:B:LEU:HD21	1:93:B:ASP:HA	2	0.2
(1,1684)	1:96:B:LEU:HD21	1:93:B:ASP:HA	16	0.2
(1,1683)	1:96:A:LEU:HD21	1:93:A:ASP:HA	16	0.2
(1,1682)	1:50:B:PHE:HB2	1:47:B:LEU:HD21	15	0.2
(1,1681)	1:50:A:PHE:HB2	1:47:A:LEU:HD21	15	0.2
(1,1637)	1:38:A:GLU:HA	1:27:A:LYS:HD2	1	0.2
(1,1632)	1:60:B:LEU:H	1:59:B:VAL:HG21	8	0.2
(1,1632)	1:60:B:LEU:H	1:59:B:VAL:HG22	11	0.2
(1,1624)	1:67:B:LEU:H	1:67:B:LEU:HD11	7	0.2
(1,1608)	1:47:B:LEU:HB2	1:50:B:PHE:HB3	15	0.2
(1,1607)	1:47:A:LEU:HB2	1:50:A:PHE:HB3	15	0.2
(1,1600)	1:13:B:CYS:HB2	1:17:A:LEU:HD21	12	0.2
(1,1401)	1:15:A:GLU:HA	1:18:A:ILE:HG22	1	0.2
(1,1398)	1:68:B:ASP:HB3	1:75:B:LEU:HD23	8	0.2
(1,1397)	1:68:A:ASP:HB3	1:75:A:LEU:HD23	8	0.2
(1,1206)	1:48:B:ALA:HB2	1:52:B:LYS:H	17	0.2
(1,1198)	1:97:B:LYS:HB3	1:97:B:LYS:HE2	10	0.2
(1,1166)	1:81:B:LEU:HD21	1:80:B:PHE:HB3	1	0.2
(1,1165)	1:81:A:LEU:HD21	1:80:A:PHE:HB3	1	0.2
(1,1158)	1:23:B:LYS:HD3	1:20:B:VAL:HB	13	0.2
(1,1158)	1:23:B:LYS:HD3	1:20:B:VAL:HB	18	0.2
(1,1157)	1:23:A:LYS:HD3	1:20:A:VAL:HB	18	0.2
(1,1134)	1:33:B:THR:HB	1:74:B:GLN:HG2	5	0.2
(1,1133)	1:33:A:THR:HB	1:74:A:GLN:HG2	5	0.2
(1,1005)	1:9:A:GLU:HG2	1:8:A:THR:HB	7	0.2
(1,986)	1:61:B:ASP:H	1:58:B:GLY:HA3	7	0.2
(1,985)	1:61:A:ASP:H	1:58:A:GLY:HA3	7	0.2
(1,954)	1:47:B:LEU:H	1:51:B:THR:HG21	6	0.2
(1,953)	1:47:A:LEU:H	1:51:A:THR:HG21	6	0.2
(1,902)	1:40:B:LEU:HB3	1:37:B:THR:HG21	5	0.2
(1,901)	1:40:A:LEU:HB3	1:37:A:THR:HG21	5	0.2
(1,794)	1:93:B:ASP:HB3	1:96:B:LEU:HD22	6	0.2
(1,742)	1:9:B:GLU:HG3	1:12:B:ARG:HD2	17	0.2
(1,741)	1:9:A:GLU:HG3	1:12:A:ARG:HD2	17	0.2
(1,716)	1:76:B:ASP:HA	1:77:B:PHE:HB2	9	0.2
(1,715)	1:76:A:ASP:HA	1:77:A:PHE:HB2	9	0.2
(1,713)	1:16:A:SER:HB3	1:17:A:LEU:HD22	15	0.2
(1,673)	1:13:A:CYS:HB2	1:14:A:ILE:HG13	16	0.2
(1,661)	1:73:A:GLY:HA2	1:74:A:GLN:HG3	2	0.2
(1,647)	1:14:A:ILE:HB	1:88:B:ALA:HB3	11	0.2
(1,610)	1:63:B:MET:H	1:62:B:ARG:HG2	12	0.2
(1,609)	1:63:A:MET:H	1:62:A:ARG:HG2	12	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,609)	1:63:A:MET:H	1:62:A:ARG:HG2	18	0.2
(1,552)	1:42:B:PHE:HA	1:45:B:THR:HG23	5	0.2
(1,551)	1:42:A:PHE:HA	1:45:A:THR:HG22	4	0.2
(1,551)	1:42:A:PHE:HA	1:45:A:THR:HG23	5	0.2
(1,540)	1:16:B:SER:HA	1:15:B:GLU:H	7	0.2
(1,540)	1:16:B:SER:HA	1:15:B:GLU:H	9	0.2
(1,539)	1:16:A:SER:HA	1:15:A:GLU:H	7	0.2
(1,539)	1:16:A:SER:HA	1:15:A:GLU:H	11	0.2
(1,476)	1:67:B:LEU:HB3	1:75:B:LEU:HB2	3	0.2
(1,475)	1:67:A:LEU:HB3	1:75:A:LEU:HB2	3	0.2
(1,396)	1:25:B:ALA:HB2	1:75:B:LEU:H	9	0.2
(1,395)	1:25:A:ALA:HB2	1:75:A:LEU:H	9	0.2
(1,363)	1:47:A:LEU:HD21	1:10:B:THR:H	8	0.2
(1,363)	1:47:A:LEU:HD22	1:10:B:THR:H	9	0.2
(1,267)	1:75:A:LEU:HB3	1:39:A:PHE:HB3	11	0.2
(1,218)	1:18:B:ILE:HA	1:95:A:PHE:HB2	1	0.2
(1,218)	1:18:B:ILE:HA	1:95:A:PHE:HB2	18	0.2
(1,217)	1:18:A:ILE:HA	1:95:B:PHE:HB2	1	0.2
(1,148)	1:18:B:ILE:HG23	1:92:A:HIS:H	14	0.2
(1,147)	1:18:A:ILE:HG23	1:92:B:HIS:H	15	0.2
(1,73)	1:91:A:CYS:HB3	1:14:B:ILE:HG22	8	0.2
(1,56)	1:17:B:LEU:HD13	1:13:A:CYS:HB2	12	0.2
(2,78)	1:61:B:ASP:HA	1:59:B:VAL:HA	13	0.19
(2,78)	1:61:B:ASP:HA	1:59:B:VAL:HA	18	0.19
(2,78)	1:61:B:ASP:HA	1:59:B:VAL:HA	20	0.19
(2,77)	1:61:A:ASP:HA	1:59:A:VAL:HA	13	0.19
(2,77)	1:61:A:ASP:HA	1:59:A:VAL:HA	18	0.19
(2,57)	1:8:A:THR:HB	1:45:B:THR:HB	6	0.19
(1,5722)	1:67:B:LEU:H	1:67:B:LEU:HD21	9	0.19
(1,5721)	1:67:A:LEU:H	1:67:A:LEU:HD21	9	0.19
(1,5693)	1:102:A:GLN:H	1:100:A:PRO:HA	11	0.19
(1,5682)	1:87:B:LEU:H	1:87:B:LEU:HD12	19	0.19
(1,5681)	1:87:A:LEU:H	1:87:A:LEU:HD12	19	0.19
(1,5664)	1:40:B:LEU:H	1:40:B:LEU:HB3	1	0.19
(1,5664)	1:40:B:LEU:H	1:40:B:LEU:HB3	4	0.19
(1,5664)	1:40:B:LEU:H	1:40:B:LEU:HB3	5	0.19
(1,5664)	1:40:B:LEU:H	1:40:B:LEU:HB3	13	0.19
(1,5664)	1:40:B:LEU:H	1:40:B:LEU:HB3	14	0.19
(1,5664)	1:40:B:LEU:H	1:40:B:LEU:HB3	15	0.19
(1,5664)	1:40:B:LEU:H	1:40:B:LEU:HB3	18	0.19
(1,5663)	1:40:A:LEU:H	1:40:A:LEU:HB3	1	0.19
(1,5663)	1:40:A:LEU:H	1:40:A:LEU:HB3	4	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5663)	1:40:A:LEU:H	1:40:A:LEU:HB3	5	0.19
(1,5663)	1:40:A:LEU:H	1:40:A:LEU:HB3	13	0.19
(1,5663)	1:40:A:LEU:H	1:40:A:LEU:HB3	14	0.19
(1,5663)	1:40:A:LEU:H	1:40:A:LEU:HB3	15	0.19
(1,5663)	1:40:A:LEU:H	1:40:A:LEU:HB3	17	0.19
(1,5663)	1:40:A:LEU:H	1:40:A:LEU:HB3	18	0.19
(1,5624)	1:84:B:ILE:H	1:87:B:LEU:HD12	18	0.19
(1,5623)	1:84:A:ILE:H	1:87:A:LEU:HD12	18	0.19
(1,5558)	1:88:B:ALA:H	1:81:A:LEU:HD13	1	0.19
(1,5557)	1:88:A:ALA:H	1:81:B:LEU:HD13	1	0.19
(1,5492)	1:49:B:ALA:H	1:47:B:LEU:HG	11	0.19
(1,5490)	1:21:B:PHE:H	1:23:B:LYS:H	10	0.19
(1,5484)	1:51:B:THR:H	1:47:B:LEU:HB2	17	0.19
(1,5483)	1:51:A:THR:H	1:47:A:LEU:HB2	17	0.19
(1,5458)	1:95:B:PHE:H	1:96:B:LEU:HD23	12	0.19
(1,5458)	1:95:B:PHE:H	1:96:B:LEU:HD23	17	0.19
(1,5457)	1:95:A:PHE:H	1:96:A:LEU:HD23	12	0.19
(1,5457)	1:95:A:PHE:H	1:96:A:LEU:HD23	17	0.19
(1,5390)	1:23:B:LYS:H	1:23:B:LYS:HE2	4	0.19
(1,5390)	1:23:B:LYS:H	1:23:B:LYS:HE2	10	0.19
(1,5389)	1:23:A:LYS:H	1:23:A:LYS:HE2	15	0.19
(1,5366)	1:92:B:HIS:H	1:15:A:GLU:HG2	10	0.19
(1,5365)	1:92:A:HIS:H	1:89:A:MET:HG3	18	0.19
(1,5203)	1:75:A:LEU:H	1:64:A:MET:HG3	6	0.19
(1,5202)	1:40:B:LEU:H	1:64:B:MET:HG2	18	0.19
(1,5201)	1:40:A:LEU:H	1:64:A:MET:HG2	18	0.19
(1,5122)	1:52:B:LYS:HB2	1:52:B:LYS:HG3	11	0.19
(1,5121)	1:52:A:LYS:HB2	1:52:A:LYS:HG3	11	0.19
(1,5110)	1:45:B:THR:HA	1:45:B:THR:HG21	13	0.19
(1,5109)	1:45:A:THR:HA	1:45:A:THR:HG21	13	0.19
(1,5102)	1:37:B:THR:HA	1:37:B:THR:HG22	10	0.19
(1,5102)	1:37:B:THR:HA	1:37:B:THR:HG23	12	0.19
(1,5102)	1:37:B:THR:HA	1:37:B:THR:HG21	17	0.19
(1,5101)	1:37:A:THR:HA	1:37:A:THR:HG23	12	0.19
(1,5101)	1:37:A:THR:HA	1:37:A:THR:HG21	17	0.19
(1,5098)	1:52:B:LYS:HA	1:52:B:LYS:HB3	8	0.19
(1,5098)	1:52:B:LYS:HA	1:52:B:LYS:HB3	11	0.19
(1,5098)	1:66:B:LYS:HB2	1:66:B:LYS:HA	16	0.19
(1,5098)	1:66:B:LYS:HB2	1:66:B:LYS:HA	17	0.19
(1,5098)	1:65:B:LYS:HA	1:65:B:LYS:HB3	18	0.19
(1,5097)	1:52:A:LYS:HA	1:52:A:LYS:HB3	8	0.19
(1,5097)	1:52:A:LYS:HA	1:52:A:LYS:HB3	11	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5097)	1:66:A:LYS:HB2	1:66:A:LYS:HA	16	0.19
(1,5097)	1:66:A:LYS:HB2	1:66:A:LYS:HA	17	0.19
(1,5097)	1:65:A:LYS:HA	1:65:A:LYS:HB3	18	0.19
(1,5062)	1:66:B:LYS:HG3	1:66:B:LYS:HA	6	0.19
(1,5061)	1:66:A:LYS:HG3	1:66:A:LYS:HA	6	0.19
(1,4928)	1:61:B:ASP:HB3	1:61:B:ASP:HA	2	0.19
(1,4928)	1:61:B:ASP:HB3	1:61:B:ASP:HA	20	0.19
(1,4927)	1:61:A:ASP:HB3	1:61:A:ASP:HA	2	0.19
(1,4927)	1:61:A:ASP:HB3	1:61:A:ASP:HA	20	0.19
(1,4824)	1:67:B:LEU:HD13	1:80:B:PHE:HA	7	0.19
(1,4724)	1:17:B:LEU:HG	1:17:A:LEU:HG	11	0.19
(1,4723)	1:17:A:LEU:HG	1:17:B:LEU:HG	11	0.19
(1,4717)	1:87:A:LEU:HD21	1:11:B:GLU:HB3	2	0.19
(1,4710)	1:15:B:GLU:HB3	1:18:B:ILE:HB	8	0.19
(1,4709)	1:15:A:GLU:HB3	1:18:A:ILE:HB	8	0.19
(1,4704)	1:67:B:LEU:H	1:67:B:LEU:HD22	6	0.19
(1,4704)	1:67:B:LEU:H	1:67:B:LEU:HD23	7	0.19
(1,4703)	1:67:A:LEU:H	1:67:A:LEU:HD22	6	0.19
(1,4700)	1:60:B:LEU:HA	1:60:B:LEU:HG	8	0.19
(1,4699)	1:60:A:LEU:HA	1:60:A:LEU:HG	8	0.19
(1,4697)	1:60:A:LEU:HA	1:60:A:LEU:HG	8	0.19
(1,4676)	1:89:B:MET:HG3	1:78:A:SER:HB3	14	0.19
(1,4644)	1:10:B:THR:HG23	1:20:A:VAL:HB	18	0.19
(1,4644)	1:10:B:THR:HG23	1:20:A:VAL:HB	20	0.19
(1,4643)	1:10:A:THR:HG22	1:20:B:VAL:HB	13	0.19
(1,4643)	1:10:A:THR:HG23	1:20:B:VAL:HB	20	0.19
(1,4640)	1:88:B:ALA:HA	1:14:A:ILE:HG12	11	0.19
(1,4620)	1:68:B:ASP:HB2	1:65:B:LYS:HA	7	0.19
(1,4620)	1:68:B:ASP:HB2	1:65:B:LYS:HA	15	0.19
(1,4619)	1:68:A:ASP:HB2	1:65:A:LYS:HA	15	0.19
(1,4590)	1:88:B:ALA:HB2	1:14:A:ILE:HA	10	0.19
(1,4589)	1:88:A:ALA:HB3	1:14:B:ILE:HA	11	0.19
(1,4586)	1:63:B:MET:HG2	1:60:B:LEU:HD23	13	0.19
(1,4585)	1:63:A:MET:HG2	1:60:A:LEU:HD23	13	0.19
(1,4552)	1:83:B:LEU:HD13	1:64:B:MET:H	11	0.19
(1,4547)	1:50:A:PHE:HB2	1:47:A:LEU:HD22	13	0.19
(1,4528)	1:49:B:ALA:HB3	1:47:B:LEU:HB2	8	0.19
(1,4516)	1:94:B:SER:HB3	1:95:B:PHE:HB2	6	0.19
(1,4515)	1:94:A:SER:HB3	1:95:A:PHE:HB2	6	0.19
(1,4486)	1:95:B:PHE:HB2	1:18:A:ILE:HG22	18	0.19
(1,4470)	1:33:B:THR:HG21	1:79:B:GLU:H	2	0.19
(1,4469)	1:33:A:THR:HG21	1:79:A:GLU:H	2	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4460)	1:20:B:VAL:HG22	1:81:B:LEU:HD21	11	0.19
(1,4459)	1:20:A:VAL:HG22	1:81:A:LEU:HD21	11	0.19
(1,4436)	1:20:B:VAL:HG12	1:21:B:PHE:HB3	1	0.19
(1,4435)	1:20:A:VAL:HG12	1:21:A:PHE:HB3	1	0.19
(1,4424)	1:58:B:GLY:HA2	1:57:B:PRO:HG2	17	0.19
(1,4423)	1:58:A:GLY:HA2	1:57:A:PRO:HG2	17	0.19
(1,4416)	1:13:B:CYS:H	1:12:B:ARG:HB2	2	0.19
(1,4416)	1:13:B:CYS:H	1:12:B:ARG:HB2	19	0.19
(1,4415)	1:13:A:CYS:H	1:12:A:ARG:HB2	2	0.19
(1,4415)	1:13:A:CYS:H	1:12:A:ARG:HB2	19	0.19
(1,4367)	1:44:A:ASN:HA	1:60:A:LEU:HD13	7	0.19
(1,4282)	1:20:B:VAL:HG12	1:81:B:LEU:HD22	7	0.19
(1,4278)	1:16:B:SER:HA	1:15:B:GLU:HB2	2	0.19
(1,4277)	1:16:A:SER:HA	1:15:A:GLU:HB2	2	0.19
(1,4270)	1:25:B:ALA:HB3	1:24:B:TYR:HB2	13	0.19
(1,4269)	1:25:A:ALA:HB3	1:24:A:TYR:HB2	13	0.19
(1,4258)	1:10:B:THR:HA	1:14:B:ILE:HD12	6	0.19
(1,4257)	1:10:A:THR:HA	1:14:A:ILE:HD12	6	0.19
(1,4234)	1:68:B:ASP:HB2	1:65:B:LYS:HD3	9	0.19
(1,4234)	1:68:B:ASP:HB2	1:65:B:LYS:HD2	13	0.19
(1,4234)	1:68:B:ASP:HB2	1:65:B:LYS:HD3	16	0.19
(1,4233)	1:68:A:ASP:HB2	1:65:A:LYS:HD3	16	0.19
(1,4198)	1:60:B:LEU:HD11	1:44:B:ASN:HB2	12	0.19
(1,4197)	1:60:A:LEU:HD11	1:44:A:ASN:HB2	12	0.19
(1,4191)	1:61:A:ASP:HB3	1:40:A:LEU:HD21	14	0.19
(1,4178)	1:8:B:THR:HG23	1:46:A:GLU:H	15	0.19
(1,4171)	1:44:A:ASN:HB2	1:43:A:MET:HB2	15	0.19
(1,4124)	1:67:B:LEU:HA	1:66:B:LYS:HE3	3	0.19
(1,4123)	1:67:A:LEU:HA	1:66:A:LYS:HE3	3	0.19
(1,4102)	1:36:B:LYS:HD2	1:65:B:LYS:H	13	0.19
(1,4101)	1:36:A:LYS:HD2	1:65:A:LYS:H	13	0.19
(1,4076)	1:28:B:ASP:HA	1:27:B:LYS:HB3	20	0.19
(1,4075)	1:28:A:ASP:HA	1:27:A:LYS:HB3	12	0.19
(1,4075)	1:28:A:ASP:HA	1:27:A:LYS:HB3	20	0.19
(1,4070)	1:18:B:ILE:H	1:18:B:ILE:HG22	9	0.19
(1,4069)	1:18:A:ILE:H	1:18:A:ILE:HG22	9	0.19
(1,4062)	1:66:B:LYS:H	1:65:B:LYS:HG2	3	0.19
(1,4061)	1:66:A:LYS:H	1:65:A:LYS:HG2	3	0.19
(1,4060)	1:97:B:LYS:HG3	1:98:B:ALA:H	10	0.19
(1,4059)	1:97:A:LYS:HG2	1:98:A:ALA:H	17	0.19
(1,4054)	1:68:B:ASP:HA	1:69:B:THR:HA	2	0.19
(1,4054)	1:68:B:ASP:HA	1:69:B:THR:HA	8	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4054)	1:68:B:ASP:HA	1:69:B:THR:HA	11	0.19
(1,4054)	1:68:B:ASP:HA	1:69:B:THR:HA	16	0.19
(1,4054)	1:68:B:ASP:HA	1:69:B:THR:HA	18	0.19
(1,4053)	1:68:A:ASP:HA	1:69:A:THR:HA	2	0.19
(1,4053)	1:68:A:ASP:HA	1:69:A:THR:HA	8	0.19
(1,4053)	1:68:A:ASP:HA	1:69:A:THR:HA	11	0.19
(1,4053)	1:68:A:ASP:HA	1:69:A:THR:HA	16	0.19
(1,4053)	1:68:A:ASP:HA	1:69:A:THR:HA	18	0.19
(1,4051)	1:58:A:GLY:HA3	1:57:A:PRO:HG2	18	0.19
(1,4050)	1:74:B:GLN:HG3	1:68:B:ASP:HB2	20	0.19
(1,4028)	1:99:B:VAL:HG22	1:102:B:GLN:H	3	0.19
(1,4027)	1:99:A:VAL:HG22	1:102:A:GLN:H	3	0.19
(1,4025)	1:60:A:LEU:HD13	1:44:A:ASN:HB2	7	0.19
(1,4006)	1:28:B:ASP:HA	1:27:B:LYS:HB2	18	0.19
(1,3972)	1:34:B:LEU:HD13	1:80:B:PHE:HB3	6	0.19
(1,3971)	1:34:A:LEU:HD13	1:80:A:PHE:HB3	6	0.19
(1,3958)	1:17:B:LEU:HG	1:16:B:SER:HB3	9	0.19
(1,3957)	1:17:A:LEU:HG	1:16:A:SER:HB3	9	0.19
(1,3952)	1:15:B:GLU:HA	1:18:B:ILE:HA	9	0.19
(1,3951)	1:15:A:GLU:HA	1:18:A:ILE:HA	9	0.19
(1,3934)	1:34:B:LEU:HA	1:35:B:SER:HB3	1	0.19
(1,3934)	1:34:B:LEU:HA	1:35:B:SER:HB3	15	0.19
(1,3933)	1:34:A:LEU:HA	1:35:A:SER:HB3	2	0.19
(1,3933)	1:34:A:LEU:HA	1:35:A:SER:HB3	11	0.19
(1,3906)	1:12:B:ARG:HG3	1:10:B:THR:HA	8	0.19
(1,3886)	1:100:B:PRO:HG3	1:96:B:LEU:HG	8	0.19
(1,3886)	1:100:B:PRO:HG3	1:96:B:LEU:HG	9	0.19
(1,3885)	1:100:A:PRO:HG3	1:96:A:LEU:HG	8	0.19
(1,3885)	1:100:A:PRO:HG3	1:96:A:LEU:HG	9	0.19
(1,3885)	1:100:A:PRO:HG3	1:96:A:LEU:HG	14	0.19
(1,3885)	1:100:A:PRO:HG3	1:96:A:LEU:HG	15	0.19
(1,3880)	1:69:B:THR:HB	1:82:B:ASN:HB3	17	0.19
(1,3879)	1:69:A:THR:HB	1:82:A:ASN:HB3	17	0.19
(1,3876)	1:33:B:THR:HG21	1:79:B:GLU:H	2	0.19
(1,3875)	1:33:A:THR:HG21	1:79:A:GLU:H	2	0.19
(1,3846)	1:92:B:HIS:HA	1:18:A:ILE:HB	17	0.19
(1,3810)	1:25:B:ALA:HB1	1:80:B:PHE:HB2	16	0.19
(1,3809)	1:25:A:ALA:HB1	1:80:A:PHE:HB2	16	0.19
(1,3748)	1:84:B:ILE:HB	1:85:B:GLY:HA2	3	0.19
(1,3747)	1:84:A:ILE:HB	1:85:A:GLY:HA2	3	0.19
(1,3712)	1:83:B:LEU:HB2	1:87:B:LEU:HD11	16	0.19
(1,3712)	1:83:B:LEU:HB2	1:87:B:LEU:HD13	17	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3711)	1:83:A:LEU:HB2	1:87:A:LEU:HD11	16	0.19
(1,3711)	1:83:A:LEU:HB2	1:87:A:LEU:HD13	17	0.19
(1,3699)	1:69:A:THR:HB	1:68:A:ASP:HB3	15	0.19
(1,3620)	1:65:B:LYS:HG2	1:61:B:ASP:HB3	7	0.19
(1,3603)	1:14:A:ILE:HB	1:91:B:CYS:HB2	19	0.19
(1,3584)	1:77:B:PHE:HB2	1:79:B:GLU:H	19	0.19
(1,3507)	1:46:A:GLU:HB3	1:45:A:THR:HB	14	0.19
(1,3504)	1:33:B:THR:HA	1:80:B:PHE:HB2	8	0.19
(1,3503)	1:33:A:THR:HA	1:80:A:PHE:HB2	8	0.19
(1,3470)	1:75:B:LEU:HA	1:79:B:GLU:HA	9	0.19
(1,3469)	1:75:A:LEU:HA	1:79:A:GLU:HA	9	0.19
(1,3467)	1:75:A:LEU:HB3	1:33:A:THR:HA	6	0.19
(1,3454)	1:81:B:LEU:HB2	1:77:B:PHE:HB2	5	0.19
(1,3453)	1:81:A:LEU:HB2	1:77:A:PHE:HB2	5	0.19
(1,3408)	1:11:B:GLU:HB2	1:46:A:GLU:HA	14	0.19
(1,3381)	1:87:A:LEU:HD21	1:11:B:GLU:HB3	2	0.19
(1,3056)	1:94:B:SER:H	1:93:B:ASP:HB2	6	0.19
(1,3056)	1:94:B:SER:H	1:93:B:ASP:HB2	11	0.19
(1,3056)	1:94:B:SER:H	1:93:B:ASP:HB2	19	0.19
(1,3017)	1:78:A:SER:H	1:77:A:PHE:HB3	19	0.19
(1,2754)	1:38:B:GLU:H	1:34:B:LEU:HD23	11	0.19
(1,2753)	1:38:A:GLU:H	1:34:A:LEU:HD23	11	0.19
(1,2726)	1:77:B:PHE:H	1:33:B:THR:HG21	20	0.19
(1,2725)	1:77:A:PHE:H	1:33:A:THR:HG21	20	0.19
(1,2723)	1:78:A:SER:H	1:81:A:LEU:HD13	5	0.19
(1,2715)	1:22:A:GLN:H	1:18:A:ILE:HG21	3	0.19
(1,2702)	1:74:B:GLN:H	1:33:B:THR:HG22	6	0.19
(1,2692)	1:94:B:SER:H	1:91:B:CYS:H	12	0.19
(1,2691)	1:94:A:SER:H	1:91:A:CYS:H	12	0.19
(1,2630)	1:69:B:THR:H	1:67:B:LEU:HB2	1	0.19
(1,2630)	1:69:B:THR:H	1:67:B:LEU:HB2	2	0.19
(1,2630)	1:69:B:THR:H	1:67:B:LEU:HB2	4	0.19
(1,2630)	1:69:B:THR:H	1:67:B:LEU:HB2	6	0.19
(1,2629)	1:69:A:THR:H	1:67:A:LEU:HB2	1	0.19
(1,2629)	1:69:A:THR:H	1:67:A:LEU:HB2	2	0.19
(1,2629)	1:69:A:THR:H	1:67:A:LEU:HB2	6	0.19
(1,2626)	1:86:B:GLY:H	1:89:B:MET:HB2	6	0.19
(1,2626)	1:86:B:GLY:H	1:89:B:MET:HB2	13	0.19
(1,2625)	1:86:A:GLY:H	1:89:A:MET:HB2	6	0.19
(1,2625)	1:86:A:GLY:H	1:89:A:MET:HB2	13	0.19
(1,2318)	1:17:B:LEU:HD12	1:17:B:LEU:HD22	1	0.19
(1,2318)	1:17:B:LEU:HD12	1:17:B:LEU:HD23	8	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2318)	1:17:B:LEU:HD12	1:17:B:LEU:HD21	13	0.19
(1,2318)	1:17:B:LEU:HD13	1:17:B:LEU:HD22	14	0.19
(1,2318)	1:17:B:LEU:HD11	1:17:B:LEU:HD23	17	0.19
(1,2317)	1:17:A:LEU:HD12	1:17:A:LEU:HD22	1	0.19
(1,2317)	1:17:A:LEU:HD12	1:17:A:LEU:HD23	8	0.19
(1,2317)	1:17:A:LEU:HD12	1:17:A:LEU:HD21	13	0.19
(1,2317)	1:17:A:LEU:HD13	1:17:A:LEU:HD22	14	0.19
(1,2317)	1:17:A:LEU:HD11	1:17:A:LEU:HD23	17	0.19
(1,2162)	1:9:B:GLU:HA	1:9:B:GLU:HG3	17	0.19
(1,2161)	1:9:A:GLU:HA	1:9:A:GLU:HG3	17	0.19
(1,1926)	1:21:B:PHE:H	1:20:B:VAL:HG23	7	0.19
(1,1925)	1:21:A:PHE:H	1:20:A:VAL:HG23	7	0.19
(1,1895)	1:19:A:ALA:HB1	1:9:B:GLU:HG2	2	0.19
(1,1862)	1:66:B:LYS:HG3	1:67:B:LEU:HD21	9	0.19
(1,1848)	1:59:B:VAL:HG22	1:60:B:LEU:HA	6	0.19
(1,1848)	1:59:B:VAL:HG21	1:60:B:LEU:HA	15	0.19
(1,1848)	1:59:B:VAL:HG21	1:60:B:LEU:HA	17	0.19
(1,1847)	1:59:A:VAL:HG22	1:60:A:LEU:HA	6	0.19
(1,1847)	1:59:A:VAL:HG21	1:60:A:LEU:HA	15	0.19
(1,1847)	1:59:A:VAL:HG21	1:60:A:LEU:HA	17	0.19
(1,1828)	1:57:B:PRO:HD3	1:57:B:PRO:HA	6	0.19
(1,1827)	1:57:A:PRO:HD3	1:57:A:PRO:HA	6	0.19
(1,1808)	1:10:B:THR:HA	1:10:B:THR:HG21	16	0.19
(1,1807)	1:10:A:THR:HA	1:10:A:THR:HG21	16	0.19
(1,1751)	1:64:A:MET:HA	1:67:A:LEU:HD12	19	0.19
(1,1686)	1:17:B:LEU:HB2	1:17:B:LEU:HD22	4	0.19
(1,1686)	1:17:B:LEU:HB2	1:17:B:LEU:HD23	9	0.19
(1,1685)	1:17:A:LEU:HB2	1:17:A:LEU:HD22	4	0.19
(1,1685)	1:17:A:LEU:HB2	1:17:A:LEU:HD23	9	0.19
(1,1684)	1:96:B:LEU:HD22	1:93:B:ASP:HA	6	0.19
(1,1683)	1:96:A:LEU:HD21	1:93:A:ASP:HA	2	0.19
(1,1683)	1:96:A:LEU:HD22	1:93:A:ASP:HA	6	0.19
(1,1682)	1:50:B:PHE:HB2	1:47:B:LEU:HD23	17	0.19
(1,1681)	1:50:A:PHE:HB2	1:47:A:LEU:HD23	17	0.19
(1,1631)	1:60:A:LEU:H	1:59:A:VAL:HG21	8	0.19
(1,1623)	1:67:A:LEU:H	1:67:A:LEU:HD11	7	0.19
(1,1506)	1:12:B:ARG:HD3	1:13:B:CYS:HB2	9	0.19
(1,1505)	1:12:A:ARG:HD3	1:13:A:CYS:HB2	9	0.19
(1,1426)	1:47:B:LEU:HD11	1:50:B:PHE:HB3	4	0.19
(1,1425)	1:47:A:LEU:HD11	1:50:A:PHE:HB3	4	0.19
(1,1368)	1:19:B:ALA:HA	1:22:B:GLN:HB3	6	0.19
(1,1367)	1:19:A:ALA:HA	1:22:A:GLN:HB3	6	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1328)	1:34:B:LEU:HB2	1:39:B:PHE:HB3	12	0.19
(1,1328)	1:34:B:LEU:HB2	1:39:B:PHE:HB3	15	0.19
(1,1327)	1:34:A:LEU:HB2	1:39:A:PHE:HB3	12	0.19
(1,1208)	1:27:B:LYS:H	1:27:B:LYS:HD2	1	0.19
(1,1198)	1:97:B:LYS:HB2	1:97:B:LYS:HE3	16	0.19
(1,1197)	1:97:A:LYS:HB3	1:97:A:LYS:HE2	10	0.19
(1,1197)	1:97:A:LYS:HB2	1:97:A:LYS:HE3	16	0.19
(1,1166)	1:81:B:LEU:HD22	1:80:B:PHE:HB3	17	0.19
(1,1165)	1:81:A:LEU:HD22	1:80:A:PHE:HB3	17	0.19
(1,1157)	1:23:A:LYS:HD3	1:20:A:VAL:HB	13	0.19
(1,1076)	1:7:B:PRO:HG2	1:12:B:ARG:HD3	7	0.19
(1,1075)	1:7:A:PRO:HG2	1:12:A:ARG:HD3	7	0.19
(1,954)	1:47:B:LEU:H	1:51:B:THR:HG21	8	0.19
(1,953)	1:47:A:LEU:H	1:51:A:THR:HG23	7	0.19
(1,953)	1:47:A:LEU:H	1:51:A:THR:HG21	8	0.19
(1,856)	1:9:B:GLU:HG2	1:17:A:LEU:HD23	7	0.19
(1,824)	1:49:B:ALA:HB1	1:7:A:PRO:HA	12	0.19
(1,793)	1:93:A:ASP:HB3	1:96:A:LEU:HD22	6	0.19
(1,708)	1:67:B:LEU:HB2	1:66:B:LYS:HB3	12	0.19
(1,707)	1:67:A:LEU:HB2	1:66:A:LYS:HB3	12	0.19
(1,686)	1:84:B:ILE:HB	1:83:B:LEU:HG	18	0.19
(1,685)	1:84:A:ILE:HB	1:83:A:LEU:HG	18	0.19
(1,662)	1:73:B:GLY:HA2	1:74:B:GLN:HG3	2	0.19
(1,648)	1:14:B:ILE:HB	1:88:A:ALA:HB3	11	0.19
(1,621)	1:63:A:MET:H	1:62:A:ARG:HG2	9	0.19
(1,610)	1:63:B:MET:H	1:62:B:ARG:HG2	4	0.19
(1,610)	1:63:B:MET:H	1:62:B:ARG:HG2	13	0.19
(1,609)	1:63:A:MET:H	1:62:A:ARG:HG2	4	0.19
(1,609)	1:63:A:MET:H	1:62:A:ARG:HG2	13	0.19
(1,540)	1:16:B:SER:HA	1:15:B:GLU:H	2	0.19
(1,540)	1:16:B:SER:HA	1:15:B:GLU:H	3	0.19
(1,540)	1:16:B:SER:HA	1:15:B:GLU:H	4	0.19
(1,540)	1:16:B:SER:HA	1:15:B:GLU:H	11	0.19
(1,540)	1:16:B:SER:HA	1:15:B:GLU:H	12	0.19
(1,540)	1:16:B:SER:HA	1:15:B:GLU:H	19	0.19
(1,539)	1:16:A:SER:HA	1:15:A:GLU:H	1	0.19
(1,539)	1:16:A:SER:HA	1:15:A:GLU:H	2	0.19
(1,539)	1:16:A:SER:HA	1:15:A:GLU:H	3	0.19
(1,539)	1:16:A:SER:HA	1:15:A:GLU:H	4	0.19
(1,539)	1:16:A:SER:HA	1:15:A:GLU:H	9	0.19
(1,539)	1:16:A:SER:HA	1:15:A:GLU:H	12	0.19
(1,539)	1:16:A:SER:HA	1:15:A:GLU:H	19	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,484)	1:14:B:ILE:HB	1:10:B:THR:HG23	6	0.19
(1,483)	1:14:A:ILE:HB	1:10:A:THR:HG23	6	0.19
(1,444)	1:15:B:GLU:HG3	1:91:A:CYS:HB3	20	0.19
(1,363)	1:47:A:LEU:HD22	1:10:B:THR:H	7	0.19
(1,326)	1:96:B:LEU:HG	1:95:B:PHE:HB3	3	0.19
(1,326)	1:96:B:LEU:HG	1:95:B:PHE:HB3	17	0.19
(1,325)	1:96:A:LEU:HG	1:95:A:PHE:HB3	3	0.19
(1,325)	1:96:A:LEU:HG	1:95:A:PHE:HB3	17	0.19
(1,190)	1:46:B:GLU:HG3	1:24:B:TYR:H	10	0.19
(1,189)	1:46:A:GLU:HG3	1:24:A:TYR:H	10	0.19
(1,147)	1:18:A:ILE:HG23	1:92:B:HIS:H	14	0.19
(1,145)	1:78:A:SER:HB2	1:81:A:LEU:HB3	6	0.19
(1,98)	1:9:B:GLU:HB3	1:20:A:VAL:HB	17	0.19
(1,98)	1:9:B:GLU:HB3	1:20:A:VAL:HB	18	0.19
(1,98)	1:9:B:GLU:HB3	1:20:A:VAL:HB	19	0.19
(1,97)	1:9:A:GLU:HB3	1:20:B:VAL:HB	18	0.19
(1,55)	1:17:A:LEU:HD13	1:13:B:CYS:HB2	12	0.19
(1,40)	1:87:B:LEU:HD23	1:14:A:ILE:HD13	15	0.19
(3,87)	1:46:B:GLU:N	1:42:B:PHE:O	5	0.18
(3,29)	1:46:A:GLU:N	1:42:A:PHE:O	5	0.18
(2,122)	1:76:B:ASP:HB3	1:68:B:ASP:HA	6	0.18
(2,121)	1:76:A:ASP:HB3	1:68:A:ASP:HA	6	0.18
(2,92)	1:44:B:ASN:HB3	1:47:B:LEU:H	12	0.18
(2,91)	1:44:A:ASN:HB3	1:47:A:LEU:H	12	0.18
(2,78)	1:61:B:ASP:HA	1:59:B:VAL:HA	2	0.18
(2,78)	1:61:B:ASP:HA	1:59:B:VAL:HA	3	0.18
(2,78)	1:61:B:ASP:HA	1:59:B:VAL:HA	5	0.18
(2,78)	1:61:B:ASP:HA	1:59:B:VAL:HA	7	0.18
(2,78)	1:61:B:ASP:HA	1:59:B:VAL:HA	11	0.18
(2,78)	1:61:B:ASP:HA	1:59:B:VAL:HA	14	0.18
(2,77)	1:61:A:ASP:HA	1:59:A:VAL:HA	2	0.18
(2,77)	1:61:A:ASP:HA	1:59:A:VAL:HA	3	0.18
(2,77)	1:61:A:ASP:HA	1:59:A:VAL:HA	5	0.18
(2,77)	1:61:A:ASP:HA	1:59:A:VAL:HA	7	0.18
(2,77)	1:61:A:ASP:HA	1:59:A:VAL:HA	11	0.18
(2,77)	1:61:A:ASP:HA	1:59:A:VAL:HA	14	0.18
(2,77)	1:61:A:ASP:HA	1:59:A:VAL:HA	20	0.18
(2,58)	1:8:B:THR:HB	1:45:A:THR:HB	6	0.18
(2,32)	1:38:B:GLU:HA	1:34:B:LEU:HA	6	0.18
(2,31)	1:38:A:GLU:HA	1:34:A:LEU:HA	6	0.18
(2,28)	1:16:B:SER:HA	1:21:B:PHE:H	6	0.18
(2,27)	1:16:A:SER:HA	1:21:A:PHE:H	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5694)	1:102:B:GLN:H	1:101:B:SER:HA	6	0.18
(1,5693)	1:102:A:GLN:H	1:101:A:SER:HA	6	0.18
(1,5664)	1:40:B:LEU:H	1:40:B:LEU:HB3	2	0.18
(1,5664)	1:40:B:LEU:H	1:40:B:LEU:HB3	3	0.18
(1,5664)	1:40:B:LEU:H	1:40:B:LEU:HB3	6	0.18
(1,5664)	1:40:B:LEU:H	1:40:B:LEU:HB3	16	0.18
(1,5664)	1:40:B:LEU:H	1:40:B:LEU:HB3	17	0.18
(1,5663)	1:40:A:LEU:H	1:40:A:LEU:HB3	2	0.18
(1,5663)	1:40:A:LEU:H	1:40:A:LEU:HB3	3	0.18
(1,5663)	1:40:A:LEU:H	1:40:A:LEU:HB3	6	0.18
(1,5663)	1:40:A:LEU:H	1:40:A:LEU:HB3	16	0.18
(1,5570)	1:44:B:ASN:H	1:60:B:LEU:HD12	10	0.18
(1,5569)	1:44:A:ASN:H	1:60:A:LEU:HD12	10	0.18
(1,5540)	1:10:B:THR:H	1:20:A:VAL:HG23	5	0.18
(1,5539)	1:10:A:THR:H	1:20:B:VAL:HG22	3	0.18
(1,5539)	1:10:A:THR:H	1:20:B:VAL:HG22	4	0.18
(1,5539)	1:10:A:THR:H	1:20:B:VAL:HG23	5	0.18
(1,5533)	1:82:A:ASN:H	1:80:A:PHE:HA	10	0.18
(1,5492)	1:49:B:ALA:H	1:47:B:LEU:HG	2	0.18
(1,5491)	1:49:A:ALA:H	1:47:A:LEU:HG	9	0.18
(1,5491)	1:49:A:ALA:H	1:47:A:LEU:HG	11	0.18
(1,5489)	1:21:A:PHE:H	1:23:A:LYS:H	10	0.18
(1,5484)	1:51:B:THR:H	1:47:B:LEU:HB2	3	0.18
(1,5483)	1:51:A:THR:H	1:47:A:LEU:HB2	3	0.18
(1,5389)	1:23:A:LYS:H	1:23:A:LYS:HE2	4	0.18
(1,5389)	1:23:A:LYS:H	1:23:A:LYS:HE2	10	0.18
(1,5366)	1:92:B:HIS:H	1:89:B:MET:HG3	18	0.18
(1,5365)	1:92:A:HIS:H	1:89:A:MET:HG3	16	0.18
(1,5342)	1:93:B:ASP:H	1:96:B:LEU:HD21	10	0.18
(1,5276)	1:94:B:SER:H	1:96:B:LEU:HD22	20	0.18
(1,5275)	1:94:A:SER:H	1:96:A:LEU:HD22	20	0.18
(1,5271)	1:8:A:THR:H	1:46:B:GLU:HB3	9	0.18
(1,5266)	1:8:B:THR:H	1:47:A:LEU:HD21	18	0.18
(1,5122)	1:66:B:LYS:HB2	1:66:B:LYS:HG3	20	0.18
(1,5121)	1:66:A:LYS:HB2	1:66:A:LYS:HG3	20	0.18
(1,5120)	1:60:B:LEU:HB2	1:40:B:LEU:HD23	8	0.18
(1,5119)	1:60:A:LEU:HB2	1:40:A:LEU:HD23	8	0.18
(1,5102)	1:37:B:THR:HA	1:37:B:THR:HG23	19	0.18
(1,5101)	1:37:A:THR:HA	1:37:A:THR:HG23	19	0.18
(1,5100)	1:17:B:LEU:HD23	1:17:B:LEU:HB3	12	0.18
(1,5099)	1:17:A:LEU:HD23	1:17:A:LEU:HB3	12	0.18
(1,5098)	1:66:B:LYS:HB2	1:66:B:LYS:HA	2	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5098)	1:66:B:LYS:HB2	1:66:B:LYS:HA	10	0.18
(1,5098)	1:65:B:LYS:HA	1:65:B:LYS:HB3	12	0.18
(1,5097)	1:66:A:LYS:HB2	1:66:A:LYS:HA	2	0.18
(1,5097)	1:66:A:LYS:HB2	1:66:A:LYS:HA	10	0.18
(1,5062)	1:66:B:LYS:HG3	1:66:B:LYS:HA	8	0.18
(1,5062)	1:66:B:LYS:HG3	1:66:B:LYS:HA	12	0.18
(1,5062)	1:66:B:LYS:HG3	1:66:B:LYS:HA	18	0.18
(1,5061)	1:66:A:LYS:HG3	1:66:A:LYS:HA	8	0.18
(1,5061)	1:66:A:LYS:HG3	1:66:A:LYS:HA	12	0.18
(1,5061)	1:66:A:LYS:HG3	1:66:A:LYS:HA	18	0.18
(1,4924)	1:65:B:LYS:HG2	1:65:B:LYS:HA	12	0.18
(1,4923)	1:65:A:LYS:HG2	1:65:A:LYS:HA	12	0.18
(1,4897)	1:88:A:ALA:HB3	1:17:B:LEU:HD13	17	0.18
(1,4856)	1:25:B:ALA:HA	1:34:B:LEU:HD21	20	0.18
(1,4855)	1:25:A:ALA:HA	1:34:A:LEU:HD21	20	0.18
(1,4830)	1:18:B:ILE:HG23	1:14:B:ILE:HG22	3	0.18
(1,4830)	1:18:B:ILE:HG22	1:14:B:ILE:HG22	8	0.18
(1,4829)	1:18:A:ILE:HG23	1:14:A:ILE:HG22	3	0.18
(1,4829)	1:18:A:ILE:HG22	1:14:A:ILE:HG22	8	0.18
(1,4806)	1:18:B:ILE:HG23	1:14:B:ILE:HG22	3	0.18
(1,4806)	1:18:B:ILE:HG22	1:14:B:ILE:HG22	8	0.18
(1,4805)	1:18:A:ILE:HG23	1:14:A:ILE:HG22	3	0.18
(1,4805)	1:18:A:ILE:HG22	1:14:A:ILE:HG22	8	0.18
(1,4703)	1:67:A:LEU:H	1:67:A:LEU:HD23	7	0.18
(1,4700)	1:60:B:LEU:HA	1:60:B:LEU:HG	2	0.18
(1,4698)	1:60:B:LEU:HA	1:60:B:LEU:HG	8	0.18
(1,4660)	1:74:B:GLN:HB2	1:68:B:ASP:HA	9	0.18
(1,4659)	1:74:A:GLN:HB2	1:68:A:ASP:HA	9	0.18
(1,4650)	1:63:B:MET:HB2	1:67:B:LEU:HD12	10	0.18
(1,4649)	1:63:A:MET:HB2	1:67:A:LEU:HD12	10	0.18
(1,4644)	1:10:B:THR:HG22	1:20:A:VAL:HB	13	0.18
(1,4639)	1:88:A:ALA:HA	1:14:B:ILE:HG12	11	0.18
(1,4620)	1:68:B:ASP:HB2	1:65:B:LYS:HA	10	0.18
(1,4619)	1:68:A:ASP:HB2	1:65:A:LYS:HA	10	0.18
(1,4606)	1:64:B:MET:HG2	1:75:B:LEU:HD12	9	0.18
(1,4605)	1:64:A:MET:HG2	1:75:A:LEU:HD12	9	0.18
(1,4554)	1:99:B:VAL:H	1:99:B:VAL:HB	7	0.18
(1,4553)	1:99:A:VAL:H	1:99:A:VAL:HB	7	0.18
(1,4551)	1:83:A:LEU:HD13	1:64:A:MET:H	11	0.18
(1,4528)	1:49:B:ALA:HB1	1:47:B:LEU:HB2	19	0.18
(1,4527)	1:49:A:ALA:HB1	1:47:A:LEU:HB2	19	0.18
(1,4495)	1:89:A:MET:HA	1:81:B:LEU:HD13	14	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4485)	1:95:A:PHE:HB2	1:18:B:ILE:HG22	18	0.18
(1,4476)	1:96:B:LEU:HD12	1:99:B:VAL:HA	17	0.18
(1,4475)	1:96:A:LEU:HD12	1:99:A:VAL:HA	17	0.18
(1,4440)	1:49:B:ALA:HB2	1:50:B:PHE:HB2	4	0.18
(1,4428)	1:83:B:LEU:HD11	1:87:B:LEU:H	1	0.18
(1,4427)	1:83:A:LEU:HD11	1:87:A:LEU:H	1	0.18
(1,4424)	1:40:B:LEU:HG	1:36:B:LYS:HA	14	0.18
(1,4423)	1:40:A:LEU:HG	1:36:A:LYS:HA	14	0.18
(1,4326)	1:43:B:MET:H	1:60:B:LEU:HD13	20	0.18
(1,4325)	1:43:A:MET:H	1:60:A:LEU:HD13	20	0.18
(1,4278)	1:16:B:SER:HA	1:15:B:GLU:HB2	10	0.18
(1,4277)	1:16:A:SER:HA	1:15:A:GLU:HB2	6	0.18
(1,4277)	1:16:A:SER:HA	1:15:A:GLU:HB2	10	0.18
(1,4268)	1:13:B:CYS:HB2	1:12:B:ARG:HB2	9	0.18
(1,4267)	1:13:A:CYS:HB2	1:12:A:ARG:HB2	9	0.18
(1,4262)	1:63:B:MET:HG2	1:59:B:VAL:HA	4	0.18
(1,4261)	1:63:A:MET:HG2	1:59:A:VAL:HA	4	0.18
(1,4233)	1:68:A:ASP:HB2	1:65:A:LYS:HD3	9	0.18
(1,4192)	1:61:B:ASP:HB3	1:40:B:LEU:HD21	14	0.18
(1,4076)	1:53:B:ASN:HA	1:52:B:LYS:HB3	3	0.18
(1,4076)	1:28:B:ASP:HA	1:27:B:LYS:HB3	12	0.18
(1,4070)	1:18:B:ILE:H	1:18:B:ILE:HG22	14	0.18
(1,4070)	1:18:B:ILE:H	1:18:B:ILE:HG21	19	0.18
(1,4069)	1:18:A:ILE:H	1:18:A:ILE:HG22	14	0.18
(1,4069)	1:18:A:ILE:H	1:18:A:ILE:HG21	19	0.18
(1,4066)	1:44:B:ASN:HB3	1:60:B:LEU:HD13	6	0.18
(1,4060)	1:66:B:LYS:H	1:65:B:LYS:HG2	3	0.18
(1,4059)	1:66:A:LYS:H	1:65:A:LYS:HG2	3	0.18
(1,4044)	1:57:B:PRO:HG2	1:61:B:ASP:HB2	14	0.18
(1,4026)	1:60:B:LEU:HD13	1:44:B:ASN:HB2	7	0.18
(1,4005)	1:28:A:ASP:HA	1:27:A:LYS:HB2	18	0.18
(1,4004)	1:51:B:THR:HB	1:50:B:PHE:HB3	10	0.18
(1,4004)	1:51:B:THR:HB	1:50:B:PHE:HB3	11	0.18
(1,4004)	1:51:B:THR:HB	1:50:B:PHE:HB3	14	0.18
(1,4003)	1:51:A:THR:HB	1:50:A:PHE:HB3	10	0.18
(1,4003)	1:51:A:THR:HB	1:50:A:PHE:HB3	11	0.18
(1,4003)	1:51:A:THR:HB	1:50:A:PHE:HB3	14	0.18
(1,3940)	1:75:B:LEU:HD13	1:67:B:LEU:H	1	0.18
(1,3939)	1:75:A:LEU:HD13	1:67:A:LEU:H	1	0.18
(1,3934)	1:34:B:LEU:HA	1:35:B:SER:HB3	6	0.18
(1,3934)	1:34:B:LEU:HA	1:35:B:SER:HB3	7	0.18
(1,3934)	1:34:B:LEU:HA	1:35:B:SER:HB3	11	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3934)	1:34:B:LEU:HA	1:35:B:SER:HB3	13	0.18
(1,3934)	1:34:B:LEU:HA	1:35:B:SER:HB3	14	0.18
(1,3933)	1:34:A:LEU:HA	1:35:A:SER:HB3	6	0.18
(1,3933)	1:34:A:LEU:HA	1:35:A:SER:HB3	7	0.18
(1,3933)	1:34:A:LEU:HA	1:35:A:SER:HB3	13	0.18
(1,3933)	1:34:A:LEU:HA	1:35:A:SER:HB3	14	0.18
(1,3933)	1:34:A:LEU:HA	1:35:A:SER:HB3	18	0.18
(1,3905)	1:12:A:ARG:HG3	1:10:A:THR:HA	8	0.18
(1,3904)	1:57:B:PRO:HA	1:59:B:VAL:HA	7	0.18
(1,3903)	1:57:A:PRO:HA	1:59:A:VAL:HA	7	0.18
(1,3888)	1:14:B:ILE:HA	1:13:B:CYS:HA	6	0.18
(1,3887)	1:14:A:ILE:HA	1:13:A:CYS:HA	6	0.18
(1,3868)	1:74:B:GLN:HB3	1:75:B:LEU:HA	9	0.18
(1,3867)	1:74:A:GLN:HB3	1:75:A:LEU:HA	9	0.18
(1,3856)	1:44:B:ASN:HA	1:43:B:MET:HA	18	0.18
(1,3855)	1:44:A:ASN:HA	1:43:A:MET:HA	18	0.18
(1,3810)	1:25:B:ALA:HB2	1:80:B:PHE:HB2	19	0.18
(1,3809)	1:25:A:ALA:HB2	1:80:A:PHE:HB2	19	0.18
(1,3748)	1:84:B:ILE:HB	1:85:B:GLY:HA2	4	0.18
(1,3747)	1:84:A:ILE:HB	1:85:A:GLY:HA2	4	0.18
(1,3740)	1:11:B:GLU:HB2	1:8:B:THR:HB	5	0.18
(1,3740)	1:11:B:GLU:HB2	1:8:B:THR:HB	18	0.18
(1,3739)	1:11:A:GLU:HB2	1:8:A:THR:HB	5	0.18
(1,3739)	1:11:A:GLU:HB2	1:8:A:THR:HB	18	0.18
(1,3729)	1:18:A:ILE:HG21	1:16:A:SER:HA	16	0.18
(1,3712)	1:83:B:LEU:HB2	1:87:B:LEU:HD13	6	0.18
(1,3700)	1:69:B:THR:HB	1:68:B:ASP:HB3	7	0.18
(1,3700)	1:69:B:THR:HB	1:68:B:ASP:HB3	19	0.18
(1,3699)	1:69:A:THR:HB	1:68:A:ASP:HB3	6	0.18
(1,3699)	1:69:A:THR:HB	1:68:A:ASP:HB3	7	0.18
(1,3672)	1:7:B:PRO:HB2	1:8:B:THR:HB	16	0.18
(1,3671)	1:7:A:PRO:HB2	1:8:A:THR:HB	16	0.18
(1,3654)	1:8:B:THR:HB	1:10:B:THR:HA	20	0.18
(1,3652)	1:47:B:LEU:HD22	1:10:A:THR:H	1	0.18
(1,3652)	1:47:B:LEU:HD21	1:10:A:THR:H	16	0.18
(1,3651)	1:47:A:LEU:HD22	1:10:B:THR:H	1	0.18
(1,3630)	1:63:B:MET:HG3	1:64:B:MET:HA	9	0.18
(1,3629)	1:63:A:MET:HG3	1:64:A:MET:HA	9	0.18
(1,3619)	1:65:A:LYS:HG2	1:61:A:ASP:HB3	7	0.18
(1,3602)	1:64:B:MET:HB3	1:61:B:ASP:HB2	8	0.18
(1,3601)	1:64:A:MET:HB3	1:61:A:ASP:HB2	8	0.18
(1,3572)	1:58:B:GLY:HA2	1:59:B:VAL:HG11	12	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3571)	1:58:A:GLY:HA2	1:59:A:VAL:HG11	12	0.18
(1,3539)	1:73:A:GLY:HA3	1:65:A:LYS:HE2	16	0.18
(1,3518)	1:51:B:THR:HB	1:44:B:ASN:HB2	18	0.18
(1,3517)	1:51:A:THR:HB	1:44:A:ASN:HB2	18	0.18
(1,3507)	1:46:A:GLU:HB3	1:45:A:THR:HB	8	0.18
(1,3464)	1:87:B:LEU:HB3	1:50:B:PHE:HB2	7	0.18
(1,3463)	1:87:A:LEU:HB3	1:50:A:PHE:HB2	7	0.18
(1,3460)	1:80:B:PHE:HA	1:75:B:LEU:HA	10	0.18
(1,3460)	1:75:B:LEU:HA	1:33:B:THR:HB	15	0.18
(1,3459)	1:75:A:LEU:HA	1:33:A:THR:HB	15	0.18
(1,3434)	1:42:B:PHE:HA	1:46:B:GLU:HA	2	0.18
(1,3434)	1:42:B:PHE:HA	1:46:B:GLU:HA	16	0.18
(1,3433)	1:42:A:PHE:HA	1:46:A:GLU:HA	2	0.18
(1,3433)	1:42:A:PHE:HA	1:46:A:GLU:HA	16	0.18
(1,3420)	1:11:B:GLU:HA	1:47:A:LEU:HA	3	0.18
(1,3408)	1:11:B:GLU:HB2	1:46:A:GLU:HA	17	0.18
(1,3408)	1:11:B:GLU:HB2	1:46:A:GLU:HA	18	0.18
(1,3407)	1:11:A:GLU:HB2	1:46:B:GLU:HA	14	0.18
(1,3407)	1:11:A:GLU:HB2	1:46:B:GLU:HA	18	0.18
(1,3092)	1:75:B:LEU:H	1:75:B:LEU:HB3	12	0.18
(1,3092)	1:75:B:LEU:H	1:75:B:LEU:HB3	15	0.18
(1,3091)	1:75:A:LEU:H	1:75:A:LEU:HB3	12	0.18
(1,3091)	1:75:A:LEU:H	1:75:A:LEU:HB3	15	0.18
(1,3056)	1:94:B:SER:H	1:93:B:ASP:HB2	7	0.18
(1,3056)	1:94:B:SER:H	1:93:B:ASP:HB2	17	0.18
(1,3055)	1:94:A:SER:H	1:93:A:ASP:HB2	6	0.18
(1,3055)	1:94:A:SER:H	1:93:A:ASP:HB2	7	0.18
(1,3055)	1:94:A:SER:H	1:93:A:ASP:HB2	17	0.18
(1,3055)	1:94:A:SER:H	1:93:A:ASP:HB2	19	0.18
(1,3018)	1:78:B:SER:H	1:77:B:PHE:HB3	19	0.18
(1,2886)	1:38:B:GLU:H	1:37:B:THR:HG23	2	0.18
(1,2886)	1:38:B:GLU:H	1:37:B:THR:HG21	15	0.18
(1,2754)	1:38:B:GLU:H	1:34:B:LEU:HD22	5	0.18
(1,2754)	1:38:B:GLU:H	1:34:B:LEU:HD21	9	0.18
(1,2754)	1:38:B:GLU:H	1:34:B:LEU:HD21	16	0.18
(1,2753)	1:38:A:GLU:H	1:34:A:LEU:HD22	5	0.18
(1,2753)	1:38:A:GLU:H	1:34:A:LEU:HD21	9	0.18
(1,2753)	1:38:A:GLU:H	1:34:A:LEU:HD21	12	0.18
(1,2753)	1:38:A:GLU:H	1:34:A:LEU:HD21	16	0.18
(1,2724)	1:78:B:SER:H	1:81:B:LEU:HD13	5	0.18
(1,2716)	1:22:B:GLN:H	1:18:B:ILE:HG22	2	0.18
(1,2716)	1:22:B:GLN:H	1:18:B:ILE:HG21	3	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2715)	1:22:A:GLN:H	1:18:A:ILE:HG22	2	0.18
(1,2702)	1:74:B:GLN:H	1:33:B:THR:HG23	1	0.18
(1,2701)	1:74:A:GLN:H	1:33:A:THR:HG22	6	0.18
(1,2656)	1:8:B:THR:H	1:11:B:GLU:HA	12	0.18
(1,2655)	1:8:A:THR:H	1:11:A:GLU:HA	12	0.18
(1,2630)	1:69:B:THR:H	1:67:B:LEU:HB2	12	0.18
(1,2629)	1:69:A:THR:H	1:67:A:LEU:HB2	4	0.18
(1,2629)	1:69:A:THR:H	1:67:A:LEU:HB2	5	0.18
(1,2629)	1:69:A:THR:H	1:67:A:LEU:HB2	12	0.18
(1,2629)	1:69:A:THR:H	1:67:A:LEU:HB2	13	0.18
(1,2626)	1:86:B:GLY:H	1:89:B:MET:HB2	10	0.18
(1,2625)	1:86:A:GLY:H	1:89:A:MET:HB2	10	0.18
(1,2318)	1:17:B:LEU:HD11	1:17:B:LEU:HD23	2	0.18
(1,2318)	1:17:B:LEU:HD13	1:17:B:LEU:HD21	3	0.18
(1,2318)	1:17:B:LEU:HD13	1:17:B:LEU:HD23	4	0.18
(1,2318)	1:17:B:LEU:HD12	1:17:B:LEU:HD22	11	0.18
(1,2317)	1:17:A:LEU:HD11	1:17:A:LEU:HD23	2	0.18
(1,2317)	1:17:A:LEU:HD13	1:17:A:LEU:HD23	4	0.18
(1,2317)	1:17:A:LEU:HD12	1:17:A:LEU:HD22	11	0.18
(1,2022)	1:36:B:LYS:HG3	1:36:B:LYS:HA	5	0.18
(1,2022)	1:36:B:LYS:HG3	1:36:B:LYS:HA	19	0.18
(1,2021)	1:36:A:LYS:HG3	1:36:A:LYS:HA	5	0.18
(1,1858)	1:57:B:PRO:HD3	1:57:B:PRO:HA	14	0.18
(1,1857)	1:57:A:PRO:HD3	1:57:A:PRO:HA	13	0.18
(1,1857)	1:57:A:PRO:HD3	1:57:A:PRO:HA	14	0.18
(1,1828)	1:57:B:PRO:HD3	1:57:B:PRO:HA	1	0.18
(1,1827)	1:57:A:PRO:HD3	1:57:A:PRO:HA	1	0.18
(1,1824)	1:63:B:MET:HB2	1:67:B:LEU:HD11	3	0.18
(1,1823)	1:63:A:MET:HB2	1:67:A:LEU:HD11	3	0.18
(1,1799)	1:66:A:LYS:HE2	1:63:A:MET:HG3	7	0.18
(1,1768)	1:20:B:VAL:HG13	1:24:B:TYR:H	15	0.18
(1,1767)	1:20:A:VAL:HG13	1:24:A:TYR:H	15	0.18
(1,1752)	1:64:B:MET:HA	1:67:B:LEU:HD12	19	0.18
(1,1696)	1:75:B:LEU:HA	1:33:B:THR:HG21	19	0.18
(1,1695)	1:75:A:LEU:HA	1:33:A:THR:HG21	19	0.18
(1,1686)	1:17:B:LEU:HB2	1:17:B:LEU:HD23	12	0.18
(1,1686)	1:17:B:LEU:HB2	1:17:B:LEU:HD23	13	0.18
(1,1686)	1:17:B:LEU:HB2	1:17:B:LEU:HD23	18	0.18
(1,1685)	1:17:A:LEU:HB2	1:17:A:LEU:HD23	12	0.18
(1,1685)	1:17:A:LEU:HB2	1:17:A:LEU:HD23	13	0.18
(1,1685)	1:17:A:LEU:HB2	1:17:A:LEU:HD23	18	0.18
(1,1684)	1:96:B:LEU:HD21	1:93:B:ASP:HA	4	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1684)	1:96:B:LEU:HD21	1:93:B:ASP:HA	9	0.18
(1,1684)	1:96:B:LEU:HD23	1:93:B:ASP:HA	17	0.18
(1,1684)	1:96:B:LEU:HD23	1:93:B:ASP:HA	19	0.18
(1,1683)	1:96:A:LEU:HD21	1:93:A:ASP:HA	4	0.18
(1,1683)	1:96:A:LEU:HD21	1:93:A:ASP:HA	9	0.18
(1,1683)	1:96:A:LEU:HD23	1:93:A:ASP:HA	17	0.18
(1,1683)	1:96:A:LEU:HD23	1:93:A:ASP:HA	19	0.18
(1,1660)	1:102:B:GLN:H	1:100:B:PRO:HA	5	0.18
(1,1659)	1:102:A:GLN:H	1:100:A:PRO:HA	5	0.18
(1,1638)	1:38:B:GLU:HA	1:27:B:LYS:HD2	13	0.18
(1,1637)	1:38:A:GLU:HA	1:27:A:LYS:HD2	13	0.18
(1,1632)	1:60:B:LEU:H	1:59:B:VAL:HG21	12	0.18
(1,1631)	1:60:A:LEU:H	1:59:A:VAL:HG21	12	0.18
(1,1624)	1:67:B:LEU:H	1:67:B:LEU:HD13	9	0.18
(1,1623)	1:67:A:LEU:H	1:67:A:LEU:HD13	9	0.18
(1,1432)	1:17:B:LEU:H	1:17:B:LEU:HD13	6	0.18
(1,1432)	1:17:B:LEU:H	1:17:B:LEU:HD12	20	0.18
(1,1431)	1:17:A:LEU:H	1:17:A:LEU:HD13	6	0.18
(1,1431)	1:17:A:LEU:H	1:17:A:LEU:HD11	15	0.18
(1,1431)	1:17:A:LEU:H	1:17:A:LEU:HD12	20	0.18
(1,1402)	1:15:B:GLU:HA	1:18:B:ILE:HG22	19	0.18
(1,1401)	1:15:A:GLU:HA	1:18:A:ILE:HG22	19	0.18
(1,1398)	1:68:B:ASP:HB3	1:75:B:LEU:HD23	3	0.18
(1,1398)	1:68:B:ASP:HB3	1:75:B:LEU:HD22	14	0.18
(1,1397)	1:68:A:ASP:HB3	1:75:A:LEU:HD22	14	0.18
(1,1330)	1:48:B:ALA:H	1:43:B:MET:HB3	11	0.18
(1,1328)	1:34:B:LEU:HB2	1:39:B:PHE:HB3	14	0.18
(1,1327)	1:34:A:LEU:HB2	1:39:A:PHE:HB3	15	0.18
(1,1237)	1:62:A:ARG:HB3	1:59:A:VAL:HA	5	0.18
(1,1207)	1:27:A:LYS:H	1:27:A:LYS:HD2	1	0.18
(1,1166)	1:81:B:LEU:HD21	1:80:B:PHE:HB3	9	0.18
(1,1165)	1:81:A:LEU:HD21	1:80:A:PHE:HB3	9	0.18
(1,1157)	1:23:A:LYS:HD3	1:20:A:VAL:HB	17	0.18
(1,1094)	1:36:B:LYS:HB3	1:36:B:LYS:HE2	6	0.18
(1,1094)	1:36:B:LYS:HB2	1:36:B:LYS:HE3	18	0.18
(1,1093)	1:36:A:LYS:HB3	1:36:A:LYS:HE2	6	0.18
(1,1093)	1:36:A:LYS:HB2	1:36:A:LYS:HE3	9	0.18
(1,1093)	1:36:A:LYS:HB2	1:36:A:LYS:HE3	18	0.18
(1,1030)	1:38:B:GLU:HB3	1:24:B:TYR:HB2	11	0.18
(1,1006)	1:9:B:GLU:HG2	1:8:B:THR:HB	9	0.18
(1,1005)	1:9:A:GLU:HG2	1:8:A:THR:HB	9	0.18
(1,986)	1:61:B:ASP:H	1:58:B:GLY:HA3	3	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,986)	1:61:B:ASP:H	1:58:B:GLY:HA3	9	0.18
(1,954)	1:47:B:LEU:H	1:51:B:THR:HG23	7	0.18
(1,954)	1:47:B:LEU:H	1:51:B:THR:HG21	10	0.18
(1,953)	1:47:A:LEU:H	1:51:A:THR:HG21	10	0.18
(1,828)	1:40:B:LEU:HA	1:39:B:PHE:HB2	10	0.18
(1,828)	1:40:B:LEU:HA	1:39:B:PHE:HB2	11	0.18
(1,828)	1:40:B:LEU:HA	1:39:B:PHE:HB2	14	0.18
(1,827)	1:40:A:LEU:HA	1:39:A:PHE:HB2	10	0.18
(1,827)	1:40:A:LEU:HA	1:39:A:PHE:HB2	11	0.18
(1,827)	1:40:A:LEU:HA	1:39:A:PHE:HB2	14	0.18
(1,707)	1:67:A:LEU:HB2	1:66:A:LYS:HB3	18	0.18
(1,686)	1:84:B:ILE:HB	1:83:B:LEU:HG	1	0.18
(1,686)	1:84:B:ILE:HB	1:83:B:LEU:HG	16	0.18
(1,685)	1:84:A:ILE:HB	1:83:A:LEU:HG	1	0.18
(1,685)	1:84:A:ILE:HB	1:83:A:LEU:HG	16	0.18
(1,648)	1:14:B:ILE:HB	1:88:A:ALA:HB1	8	0.18
(1,622)	1:63:B:MET:H	1:62:B:ARG:HG2	1	0.18
(1,622)	1:63:B:MET:H	1:62:B:ARG:HG2	9	0.18
(1,621)	1:63:A:MET:H	1:62:A:ARG:HG2	1	0.18
(1,566)	1:25:B:ALA:HB1	1:33:B:THR:HG23	13	0.18
(1,565)	1:25:A:ALA:HB1	1:33:A:THR:HG23	13	0.18
(1,540)	1:16:B:SER:HA	1:15:B:GLU:H	1	0.18
(1,540)	1:16:B:SER:HA	1:15:B:GLU:H	14	0.18
(1,540)	1:16:B:SER:HA	1:15:B:GLU:H	15	0.18
(1,540)	1:16:B:SER:HA	1:15:B:GLU:H	20	0.18
(1,539)	1:16:A:SER:HA	1:15:A:GLU:H	14	0.18
(1,539)	1:16:A:SER:HA	1:15:A:GLU:H	15	0.18
(1,539)	1:16:A:SER:HA	1:15:A:GLU:H	20	0.18
(1,443)	1:15:A:GLU:HG3	1:91:B:CYS:HB3	20	0.18
(1,364)	1:47:B:LEU:HD22	1:10:A:THR:H	7	0.18
(1,326)	1:96:B:LEU:HG	1:95:B:PHE:HB3	8	0.18
(1,325)	1:96:A:LEU:HG	1:95:A:PHE:HB3	8	0.18
(1,286)	1:75:B:LEU:HB3	1:39:B:PHE:HB3	15	0.18
(1,280)	1:17:B:LEU:HB2	1:21:B:PHE:H	12	0.18
(1,279)	1:17:A:LEU:HB2	1:21:A:PHE:H	12	0.18
(1,190)	1:46:B:GLU:HG3	1:24:B:TYR:H	1	0.18
(1,189)	1:46:A:GLU:HG3	1:24:A:TYR:H	1	0.18
(1,148)	1:18:B:ILE:HG21	1:92:A:HIS:H	9	0.18
(1,148)	1:18:B:ILE:HG21	1:92:A:HIS:H	12	0.18
(1,148)	1:18:B:ILE:HG23	1:92:A:HIS:H	15	0.18
(1,146)	1:78:B:SER:HB2	1:81:B:LEU:HB3	6	0.18
(1,98)	1:9:B:GLU:HB3	1:20:A:VAL:HB	5	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,98)	1:9:B:GLU:HB3	1:20:A:VAL:HB	16	0.18
(1,97)	1:9:A:GLU:HB3	1:20:B:VAL:HB	5	0.18
(1,97)	1:9:A:GLU:HB3	1:20:B:VAL:HB	6	0.18
(1,97)	1:9:A:GLU:HB3	1:20:B:VAL:HB	16	0.18
(1,85)	1:9:A:GLU:HB3	1:20:B:VAL:HB	17	0.18
(1,42)	1:81:B:LEU:HD23	1:88:A:ALA:HB3	2	0.18
(1,41)	1:81:A:LEU:HD23	1:88:B:ALA:HB3	2	0.18
(1,39)	1:87:A:LEU:HD23	1:14:B:ILE:HD13	15	0.18
(3,87)	1:46:B:GLU:N	1:42:B:PHE:O	1	0.17
(3,87)	1:46:B:GLU:N	1:42:B:PHE:O	3	0.17
(3,87)	1:46:B:GLU:N	1:42:B:PHE:O	10	0.17
(3,87)	1:46:B:GLU:N	1:42:B:PHE:O	16	0.17
(3,29)	1:46:A:GLU:N	1:42:A:PHE:O	1	0.17
(3,29)	1:46:A:GLU:N	1:42:A:PHE:O	10	0.17
(3,29)	1:46:A:GLU:N	1:42:A:PHE:O	14	0.17
(3,29)	1:46:A:GLU:N	1:42:A:PHE:O	16	0.17
(2,124)	1:44:B:ASN:HB2	1:48:B:ALA:H	13	0.17
(2,123)	1:44:A:ASN:HB2	1:48:A:ALA:H	13	0.17
(2,123)	1:44:A:ASN:HB2	1:48:A:ALA:H	17	0.17
(2,122)	1:76:B:ASP:HB3	1:68:B:ASP:HA	3	0.17
(2,121)	1:76:A:ASP:HB3	1:68:A:ASP:HA	3	0.17
(2,92)	1:44:B:ASN:HB3	1:47:B:LEU:H	8	0.17
(2,91)	1:44:A:ASN:HB3	1:47:A:LEU:H	8	0.17
(2,78)	1:61:B:ASP:HA	1:59:B:VAL:HA	6	0.17
(2,78)	1:61:B:ASP:HA	1:59:B:VAL:HA	9	0.17
(2,78)	1:61:B:ASP:HA	1:59:B:VAL:HA	12	0.17
(2,77)	1:61:A:ASP:HA	1:59:A:VAL:HA	6	0.17
(2,77)	1:61:A:ASP:HA	1:59:A:VAL:HA	9	0.17
(2,77)	1:61:A:ASP:HA	1:59:A:VAL:HA	12	0.17
(2,58)	1:8:B:THR:HB	1:45:A:THR:HB	19	0.17
(1,5762)	1:13:B:CYS:H	1:17:B:LEU:H	18	0.17
(1,5761)	1:13:A:CYS:H	1:17:A:LEU:H	18	0.17
(1,5624)	1:84:B:ILE:H	1:87:B:LEU:HD11	3	0.17
(1,5624)	1:84:B:ILE:H	1:87:B:LEU:HD11	4	0.17
(1,5623)	1:84:A:ILE:H	1:87:A:LEU:HD11	3	0.17
(1,5623)	1:84:A:ILE:H	1:87:A:LEU:HD11	4	0.17
(1,5623)	1:84:A:ILE:H	1:87:A:LEU:HD13	9	0.17
(1,5602)	1:84:B:ILE:H	1:87:B:LEU:HD12	7	0.17
(1,5601)	1:84:A:ILE:H	1:87:A:LEU:HD12	7	0.17
(1,5556)	1:68:B:ASP:H	1:67:B:LEU:HB3	5	0.17
(1,5540)	1:10:B:THR:H	1:20:A:VAL:HG23	14	0.17
(1,5539)	1:10:A:THR:H	1:20:B:VAL:HG23	14	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5534)	1:82:B:ASN:H	1:80:B:PHE:HA	10	0.17
(1,5498)	1:76:B:ASP:H	1:77:B:PHE:HB2	1	0.17
(1,5492)	1:49:B:ALA:H	1:47:B:LEU:HG	5	0.17
(1,5492)	1:49:B:ALA:H	1:47:B:LEU:HG	9	0.17
(1,5491)	1:49:A:ALA:H	1:47:A:LEU:HG	2	0.17
(1,5491)	1:49:A:ALA:H	1:47:A:LEU:HG	5	0.17
(1,5490)	1:21:B:PHE:H	1:23:B:LYS:H	2	0.17
(1,5490)	1:21:B:PHE:H	1:23:B:LYS:H	19	0.17
(1,5489)	1:21:A:PHE:H	1:23:A:LYS:H	2	0.17
(1,5489)	1:21:A:PHE:H	1:23:A:LYS:H	19	0.17
(1,5457)	1:95:A:PHE:H	1:96:A:LEU:HD21	16	0.17
(1,5414)	1:35:B:SER:H	1:39:B:PHE:H	11	0.17
(1,5413)	1:35:A:SER:H	1:39:A:PHE:H	11	0.17
(1,5366)	1:92:B:HIS:H	1:89:B:MET:HG3	5	0.17
(1,5366)	1:92:B:HIS:H	1:89:B:MET:HG3	16	0.17
(1,5365)	1:92:A:HIS:H	1:89:A:MET:HG3	5	0.17
(1,5350)	1:26:B:GLY:H	1:22:B:GLN:HB2	6	0.17
(1,5349)	1:26:A:GLY:H	1:22:A:GLN:HB2	6	0.17
(1,5342)	1:93:B:ASP:H	1:96:B:LEU:HD23	8	0.17
(1,5341)	1:93:A:ASP:H	1:96:A:LEU:HD23	8	0.17
(1,5341)	1:93:A:ASP:H	1:96:A:LEU:HD21	10	0.17
(1,5336)	1:45:B:THR:H	1:46:B:GLU:HA	15	0.17
(1,5335)	1:45:A:THR:H	1:46:A:GLU:HA	15	0.17
(1,5320)	1:77:B:PHE:H	1:78:B:SER:HB3	8	0.17
(1,5206)	1:44:B:ASN:H	1:57:B:PRO:HB3	10	0.17
(1,5205)	1:44:A:ASN:H	1:57:A:PRO:HB3	10	0.17
(1,5202)	1:40:B:LEU:H	1:64:B:MET:HG2	6	0.17
(1,5201)	1:40:A:LEU:H	1:64:A:MET:HG2	6	0.17
(1,5122)	1:66:B:LYS:HB2	1:66:B:LYS:HG3	5	0.17
(1,5121)	1:66:A:LYS:HB2	1:66:A:LYS:HG3	5	0.17
(1,5120)	1:60:B:LEU:HB2	1:40:B:LEU:HD23	15	0.17
(1,5119)	1:60:A:LEU:HB2	1:40:A:LEU:HD23	15	0.17
(1,5100)	1:17:B:LEU:HD23	1:17:B:LEU:HB3	13	0.17
(1,5100)	1:17:B:LEU:HD23	1:17:B:LEU:HB3	18	0.17
(1,5099)	1:17:A:LEU:HD23	1:17:A:LEU:HB3	13	0.17
(1,5099)	1:17:A:LEU:HD23	1:17:A:LEU:HB3	18	0.17
(1,5098)	1:65:B:LYS:HA	1:65:B:LYS:HB3	5	0.17
(1,5098)	1:66:B:LYS:HB2	1:66:B:LYS:HA	14	0.17
(1,5098)	1:65:B:LYS:HA	1:65:B:LYS:HB3	15	0.17
(1,5098)	1:66:B:LYS:HB2	1:66:B:LYS:HA	20	0.17
(1,5097)	1:65:A:LYS:HA	1:65:A:LYS:HB3	5	0.17
(1,5097)	1:65:A:LYS:HA	1:65:A:LYS:HB3	12	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5097)	1:66:A:LYS:HB2	1:66:A:LYS:HA	14	0.17
(1,5097)	1:65:A:LYS:HA	1:65:A:LYS:HB3	15	0.17
(1,5097)	1:66:A:LYS:HB2	1:66:A:LYS:HA	20	0.17
(1,5062)	1:66:B:LYS:HG3	1:66:B:LYS:HA	1	0.17
(1,5062)	1:66:B:LYS:HG3	1:66:B:LYS:HA	16	0.17
(1,5061)	1:66:A:LYS:HG3	1:66:A:LYS:HA	1	0.17
(1,5061)	1:66:A:LYS:HG3	1:66:A:LYS:HA	16	0.17
(1,5044)	1:87:B:LEU:HD13	1:83:B:LEU:HD22	6	0.17
(1,5044)	1:87:B:LEU:HD11	1:83:B:LEU:HD21	20	0.17
(1,5043)	1:87:A:LEU:HD13	1:83:A:LEU:HD22	6	0.17
(1,5043)	1:87:A:LEU:HD11	1:83:A:LEU:HD21	20	0.17
(1,4937)	1:10:A:THR:HG23	1:87:B:LEU:HD23	14	0.17
(1,4884)	1:68:B:ASP:HA	1:33:B:THR:HG21	5	0.17
(1,4862)	1:68:B:ASP:HA	1:33:B:THR:HG21	5	0.17
(1,4829)	1:18:A:ILE:HG21	1:14:A:ILE:HG22	10	0.17
(1,4805)	1:18:A:ILE:HG21	1:14:A:ILE:HG22	10	0.17
(1,4796)	1:63:B:MET:HA	1:66:B:LYS:HE2	3	0.17
(1,4795)	1:63:A:MET:HA	1:66:A:LYS:HE2	3	0.17
(1,4795)	1:63:A:MET:HA	1:66:A:LYS:HE3	12	0.17
(1,4717)	1:87:A:LEU:HD22	1:14:B:ILE:HB	19	0.17
(1,4716)	1:17:B:LEU:HD23	1:13:A:CYS:HB2	6	0.17
(1,4700)	1:60:B:LEU:HA	1:60:B:LEU:HG	1	0.17
(1,4700)	1:60:B:LEU:HA	1:60:B:LEU:HG	4	0.17
(1,4699)	1:60:A:LEU:HA	1:60:A:LEU:HG	1	0.17
(1,4699)	1:60:A:LEU:HA	1:60:A:LEU:HG	2	0.17
(1,4699)	1:60:A:LEU:HA	1:60:A:LEU:HG	4	0.17
(1,4698)	1:60:B:LEU:HA	1:60:B:LEU:HG	2	0.17
(1,4697)	1:60:A:LEU:HA	1:60:A:LEU:HG	2	0.17
(1,4644)	1:10:B:THR:HG21	1:20:A:VAL:HB	10	0.17
(1,4643)	1:10:A:THR:HG21	1:20:B:VAL:HB	10	0.17
(1,4590)	1:88:B:ALA:HB2	1:14:A:ILE:HA	9	0.17
(1,4589)	1:88:A:ALA:HB3	1:14:B:ILE:HA	3	0.17
(1,4589)	1:88:A:ALA:HB1	1:14:B:ILE:HA	8	0.17
(1,4589)	1:88:A:ALA:HB2	1:14:B:ILE:HA	9	0.17
(1,4578)	1:65:B:LYS:HD3	1:68:B:ASP:HA	16	0.17
(1,4577)	1:65:A:LYS:HD3	1:68:A:ASP:HA	16	0.17
(1,4572)	1:47:B:LEU:HD11	1:39:B:PHE:HA	12	0.17
(1,4571)	1:47:A:LEU:HD11	1:39:A:PHE:HA	12	0.17
(1,4566)	1:65:B:LYS:HD3	1:68:B:ASP:HA	16	0.17
(1,4565)	1:65:A:LYS:HD3	1:68:A:ASP:HA	16	0.17
(1,4528)	1:49:B:ALA:HB2	1:47:B:LEU:HB2	20	0.17
(1,4527)	1:49:A:ALA:HB2	1:47:A:LEU:HB2	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4527)	1:49:A:ALA:HB2	1:47:A:LEU:HB2	20	0.17
(1,4514)	1:51:B:THR:HG22	1:50:B:PHE:HB2	5	0.17
(1,4513)	1:51:A:THR:HG22	1:50:A:PHE:HB2	5	0.17
(1,4496)	1:89:B:MET:HA	1:81:A:LEU:HD13	14	0.17
(1,4460)	1:20:B:VAL:HG21	1:81:B:LEU:HD23	2	0.17
(1,4459)	1:20:A:VAL:HG21	1:81:A:LEU:HD23	2	0.17
(1,4458)	1:18:B:ILE:HG21	1:19:B:ALA:HB1	5	0.17
(1,4457)	1:18:A:ILE:HG21	1:19:A:ALA:HB1	5	0.17
(1,4440)	1:49:B:ALA:HB2	1:50:B:PHE:HB2	2	0.17
(1,4439)	1:49:A:ALA:HB2	1:50:A:PHE:HB2	4	0.17
(1,4416)	1:13:B:CYS:H	1:12:B:ARG:HB2	6	0.17
(1,4416)	1:13:B:CYS:H	1:12:B:ARG:HB2	10	0.17
(1,4416)	1:13:B:CYS:H	1:12:B:ARG:HB2	20	0.17
(1,4415)	1:13:A:CYS:H	1:12:A:ARG:HB2	6	0.17
(1,4415)	1:13:A:CYS:H	1:12:A:ARG:HB2	10	0.17
(1,4415)	1:13:A:CYS:H	1:12:A:ARG:HB2	20	0.17
(1,4408)	1:16:B:SER:HB2	1:19:B:ALA:HB3	4	0.17
(1,4407)	1:16:A:SER:HB2	1:19:A:ALA:HB3	4	0.17
(1,4368)	1:44:B:ASN:HA	1:60:B:LEU:HD11	18	0.17
(1,4367)	1:44:A:ASN:HA	1:60:A:LEU:HD11	18	0.17
(1,4356)	1:23:B:LYS:HB2	1:23:B:LYS:HE3	7	0.17
(1,4355)	1:23:A:LYS:HB2	1:23:A:LYS:HE3	7	0.17
(1,4320)	1:65:B:LYS:HD3	1:68:B:ASP:HA	16	0.17
(1,4319)	1:65:A:LYS:HD3	1:68:A:ASP:HA	16	0.17
(1,4318)	1:67:B:LEU:HD21	1:63:B:MET:HG3	15	0.17
(1,4317)	1:67:A:LEU:HD21	1:63:A:MET:HG3	15	0.17
(1,4306)	1:34:B:LEU:HD12	1:39:B:PHE:HA	4	0.17
(1,4305)	1:34:A:LEU:HD12	1:39:A:PHE:HA	4	0.17
(1,4300)	1:14:B:ILE:HG13	1:10:B:THR:HG23	16	0.17
(1,4299)	1:14:A:ILE:HG13	1:10:A:THR:HG23	16	0.17
(1,4278)	1:16:B:SER:HA	1:15:B:GLU:HB2	6	0.17
(1,4262)	1:63:B:MET:HG2	1:59:B:VAL:HA	1	0.17
(1,4262)	1:63:B:MET:HG2	1:59:B:VAL:HA	19	0.17
(1,4261)	1:63:A:MET:HG2	1:59:A:VAL:HA	19	0.17
(1,4232)	1:42:B:PHE:HB3	1:47:B:LEU:H	9	0.17
(1,4231)	1:42:A:PHE:HB3	1:47:A:LEU:H	9	0.17
(1,4200)	1:42:B:PHE:HA	1:39:B:PHE:HA	15	0.17
(1,4199)	1:42:A:PHE:HA	1:39:A:PHE:HA	15	0.17
(1,4180)	1:66:B:LYS:HE2	1:63:B:MET:HB3	7	0.17
(1,4179)	1:66:A:LYS:HE2	1:63:A:MET:HB3	7	0.17
(1,4178)	1:8:B:THR:HG21	1:46:A:GLU:H	5	0.17
(1,4177)	1:8:A:THR:HG21	1:46:B:GLU:H	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4160)	1:42:B:PHE:HB3	1:43:B:MET:HB2	9	0.17
(1,4160)	1:42:B:PHE:HB3	1:43:B:MET:HB2	14	0.17
(1,4159)	1:42:A:PHE:HB3	1:43:A:MET:HB2	9	0.17
(1,4159)	1:42:A:PHE:HB3	1:43:A:MET:HB2	14	0.17
(1,4076)	1:28:B:ASP:HA	1:27:B:LYS:HB3	10	0.17
(1,4076)	1:53:B:ASN:HA	1:52:B:LYS:HB2	17	0.17
(1,4075)	1:53:A:ASN:HA	1:52:A:LYS:HB3	3	0.17
(1,4075)	1:53:A:ASN:HA	1:52:A:LYS:HB2	17	0.17
(1,4075)	1:53:A:ASN:HA	1:52:A:LYS:HB2	19	0.17
(1,4070)	1:18:B:ILE:H	1:18:B:ILE:HG23	7	0.17
(1,4070)	1:18:B:ILE:H	1:18:B:ILE:HG21	18	0.17
(1,4069)	1:18:A:ILE:H	1:18:A:ILE:HG23	7	0.17
(1,4069)	1:18:A:ILE:H	1:18:A:ILE:HG21	18	0.17
(1,4065)	1:44:A:ASN:HB3	1:60:A:LEU:HD13	6	0.17
(1,4043)	1:57:A:PRO:HG2	1:61:A:ASP:HB2	14	0.17
(1,4017)	1:60:A:LEU:HD13	1:44:A:ASN:HB2	7	0.17
(1,4006)	1:28:B:ASP:HA	1:27:B:LYS:HB2	10	0.17
(1,4005)	1:28:A:ASP:HA	1:27:A:LYS:HB2	10	0.17
(1,3964)	1:75:B:LEU:H	1:75:B:LEU:HD12	20	0.17
(1,3963)	1:75:A:LEU:H	1:75:A:LEU:HD12	20	0.17
(1,3939)	1:75:A:LEU:HD13	1:67:A:LEU:H	15	0.17
(1,3934)	1:34:B:LEU:HA	1:35:B:SER:HB3	2	0.17
(1,3934)	1:34:B:LEU:HA	1:35:B:SER:HB3	3	0.17
(1,3934)	1:34:B:LEU:HA	1:35:B:SER:HB3	18	0.17
(1,3906)	1:12:B:ARG:HG3	1:10:B:THR:HA	15	0.17
(1,3905)	1:12:A:ARG:HG3	1:10:A:THR:HA	15	0.17
(1,3886)	1:100:B:PRO:HG3	1:96:B:LEU:HG	12	0.17
(1,3885)	1:100:A:PRO:HG3	1:96:A:LEU:HG	12	0.17
(1,3858)	1:47:B:LEU:HA	1:50:B:PHE:HA	12	0.17
(1,3857)	1:47:A:LEU:HA	1:50:A:PHE:HA	12	0.17
(1,3856)	1:44:B:ASN:HA	1:43:B:MET:HA	20	0.17
(1,3855)	1:44:A:ASN:HA	1:43:A:MET:HA	20	0.17
(1,3844)	1:17:B:LEU:HB3	1:18:B:ILE:HA	2	0.17
(1,3844)	1:17:B:LEU:HB3	1:18:B:ILE:HA	8	0.17
(1,3843)	1:17:A:LEU:HB3	1:18:A:ILE:HA	2	0.17
(1,3821)	1:10:A:THR:HA	1:17:B:LEU:HA	6	0.17
(1,3820)	1:47:B:LEU:HD11	1:43:B:MET:H	7	0.17
(1,3819)	1:47:A:LEU:HD11	1:43:A:MET:H	7	0.17
(1,3800)	1:47:B:LEU:HA	1:87:B:LEU:HD23	10	0.17
(1,3799)	1:47:A:LEU:HA	1:87:A:LEU:HD23	10	0.17
(1,3756)	1:39:B:PHE:HB2	1:36:B:LYS:HD2	3	0.17
(1,3755)	1:39:A:PHE:HB2	1:36:A:LYS:HD2	3	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3731)	1:25:A:ALA:HB3	1:35:A:SER:HB2	3	0.17
(1,3730)	1:18:B:ILE:HG21	1:16:B:SER:HA	16	0.17
(1,3711)	1:83:A:LEU:HB2	1:87:A:LEU:HD13	6	0.17
(1,3702)	1:97:B:LYS:HD3	1:93:B:ASP:HB3	7	0.17
(1,3701)	1:97:A:LYS:HD3	1:93:A:ASP:HB3	7	0.17
(1,3700)	1:69:B:THR:HB	1:68:B:ASP:HB3	1	0.17
(1,3700)	1:69:B:THR:HB	1:68:B:ASP:HB3	6	0.17
(1,3700)	1:69:B:THR:HB	1:68:B:ASP:HB3	14	0.17
(1,3699)	1:69:A:THR:HB	1:68:A:ASP:HB3	19	0.17
(1,3653)	1:8:A:THR:HB	1:10:A:THR:HA	20	0.17
(1,3651)	1:47:A:LEU:HD21	1:10:B:THR:H	13	0.17
(1,3642)	1:44:B:ASN:HB2	1:40:B:LEU:HA	1	0.17
(1,3638)	1:34:B:LEU:HB3	1:24:B:TYR:HB3	6	0.17
(1,3637)	1:34:A:LEU:HB3	1:24:A:TYR:HB3	6	0.17
(1,3602)	1:64:B:MET:HB3	1:61:B:ASP:HB2	17	0.17
(1,3601)	1:64:A:MET:HB3	1:61:A:ASP:HB2	17	0.17
(1,3572)	1:58:B:GLY:HA2	1:59:B:VAL:HG12	7	0.17
(1,3572)	1:58:B:GLY:HA2	1:59:B:VAL:HG13	11	0.17
(1,3571)	1:58:A:GLY:HA2	1:59:A:VAL:HG12	7	0.17
(1,3571)	1:58:A:GLY:HA2	1:59:A:VAL:HG13	11	0.17
(1,3540)	1:73:B:GLY:HA3	1:65:B:LYS:HE2	16	0.17
(1,3530)	1:34:B:LEU:HB2	1:39:B:PHE:HA	7	0.17
(1,3530)	1:34:B:LEU:HB2	1:39:B:PHE:HA	13	0.17
(1,3529)	1:34:A:LEU:HB2	1:39:A:PHE:HA	7	0.17
(1,3529)	1:34:A:LEU:HB2	1:39:A:PHE:HA	13	0.17
(1,3508)	1:46:B:GLU:HB3	1:45:B:THR:HB	8	0.17
(1,3459)	1:80:A:PHE:HA	1:75:A:LEU:HA	10	0.17
(1,3440)	1:14:B:ILE:HB	1:13:B:CYS:HA	9	0.17
(1,3439)	1:14:A:ILE:HB	1:13:A:CYS:HA	9	0.17
(1,3434)	1:42:B:PHE:HA	1:46:B:GLU:HA	1	0.17
(1,3433)	1:42:A:PHE:HA	1:46:A:GLU:HA	1	0.17
(1,3431)	1:83:A:LEU:H	1:67:A:LEU:HB2	9	0.17
(1,3419)	1:11:A:GLU:HA	1:47:B:LEU:HA	3	0.17
(1,3412)	1:22:B:GLN:HG3	1:100:A:PRO:HB2	12	0.17
(1,3411)	1:22:A:GLN:HG3	1:100:B:PRO:HB2	12	0.17
(1,3404)	1:9:B:GLU:HB3	1:16:A:SER:HB3	5	0.17
(1,3403)	1:9:A:GLU:HB3	1:16:B:SER:HB3	5	0.17
(1,3403)	1:9:A:GLU:HB3	1:16:B:SER:HB3	13	0.17
(1,3381)	1:87:A:LEU:HD22	1:14:B:ILE:HB	19	0.17
(1,3371)	1:10:A:THR:HG23	1:87:B:LEU:HD23	14	0.17
(1,3092)	1:75:B:LEU:H	1:75:B:LEU:HB3	2	0.17
(1,3092)	1:75:B:LEU:H	1:75:B:LEU:HB3	4	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3092)	1:75:B:LEU:H	1:75:B:LEU:HB3	5	0.17
(1,3092)	1:75:B:LEU:H	1:75:B:LEU:HB3	6	0.17
(1,3092)	1:75:B:LEU:H	1:75:B:LEU:HB3	7	0.17
(1,3092)	1:75:B:LEU:H	1:75:B:LEU:HB3	11	0.17
(1,3092)	1:75:B:LEU:H	1:75:B:LEU:HB3	17	0.17
(1,3091)	1:75:A:LEU:H	1:75:A:LEU:HB3	2	0.17
(1,3091)	1:75:A:LEU:H	1:75:A:LEU:HB3	4	0.17
(1,3091)	1:75:A:LEU:H	1:75:A:LEU:HB3	5	0.17
(1,3091)	1:75:A:LEU:H	1:75:A:LEU:HB3	7	0.17
(1,3091)	1:75:A:LEU:H	1:75:A:LEU:HB3	11	0.17
(1,3091)	1:75:A:LEU:H	1:75:A:LEU:HB3	17	0.17
(1,2885)	1:38:A:GLU:H	1:37:A:THR:HG23	2	0.17
(1,2885)	1:38:A:GLU:H	1:37:A:THR:HG21	15	0.17
(1,2754)	1:38:B:GLU:H	1:34:B:LEU:HD21	12	0.17
(1,2754)	1:38:B:GLU:H	1:34:B:LEU:HD23	18	0.17
(1,2753)	1:38:A:GLU:H	1:34:A:LEU:HD23	18	0.17
(1,2716)	1:22:B:GLN:H	1:18:B:ILE:HG21	1	0.17
(1,2715)	1:22:A:GLN:H	1:18:A:ILE:HG21	1	0.17
(1,2702)	1:74:B:GLN:H	1:33:B:THR:HG22	10	0.17
(1,2701)	1:74:A:GLN:H	1:33:A:THR:HG23	1	0.17
(1,2701)	1:74:A:GLN:H	1:33:A:THR:HG22	10	0.17
(1,2630)	1:69:B:THR:H	1:67:B:LEU:HB2	5	0.17
(1,2630)	1:69:B:THR:H	1:67:B:LEU:HB2	13	0.17
(1,2630)	1:69:B:THR:H	1:67:B:LEU:HB2	17	0.17
(1,2318)	1:17:B:LEU:HD11	1:17:B:LEU:HD23	6	0.17
(1,2317)	1:17:A:LEU:HD13	1:17:A:LEU:HD21	3	0.17
(1,2317)	1:17:A:LEU:HD11	1:17:A:LEU:HD23	6	0.17
(1,2298)	1:52:B:LYS:HA	1:52:B:LYS:HB3	3	0.17
(1,2297)	1:52:A:LYS:HA	1:52:A:LYS:HB3	3	0.17
(1,2194)	1:8:B:THR:HA	1:8:B:THR:HG22	14	0.17
(1,2032)	1:40:B:LEU:HD12	1:36:B:LYS:HE2	8	0.17
(1,2021)	1:36:A:LYS:HG3	1:36:A:LYS:HA	10	0.17
(1,2021)	1:36:A:LYS:HG3	1:36:A:LYS:HA	19	0.17
(1,1943)	1:42:A:PHE:HA	1:27:A:LYS:HE2	19	0.17
(1,1926)	1:21:B:PHE:H	1:20:B:VAL:HG22	15	0.17
(1,1925)	1:21:A:PHE:H	1:20:A:VAL:HG22	15	0.17
(1,1924)	1:62:B:ARG:HG3	1:62:B:ARG:HA	20	0.17
(1,1894)	1:25:B:ALA:HA	1:34:B:LEU:HD22	10	0.17
(1,1894)	1:25:B:ALA:HA	1:34:B:LEU:HD23	19	0.17
(1,1893)	1:25:A:ALA:HA	1:34:A:LEU:HD22	10	0.17
(1,1893)	1:25:A:ALA:HA	1:34:A:LEU:HD23	19	0.17
(1,1860)	1:100:B:PRO:HB3	1:96:B:LEU:HD13	9	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1858)	1:57:B:PRO:HD3	1:57:B:PRO:HA	4	0.17
(1,1858)	1:57:B:PRO:HD3	1:57:B:PRO:HA	13	0.17
(1,1857)	1:57:A:PRO:HD3	1:57:A:PRO:HA	4	0.17
(1,1848)	1:59:B:VAL:HG21	1:60:B:LEU:HA	16	0.17
(1,1847)	1:59:A:VAL:HG21	1:60:A:LEU:HA	16	0.17
(1,1828)	1:57:B:PRO:HD3	1:57:B:PRO:HA	8	0.17
(1,1827)	1:57:A:PRO:HD3	1:57:A:PRO:HA	8	0.17
(1,1824)	1:63:B:MET:HB2	1:67:B:LEU:HD13	14	0.17
(1,1824)	1:63:B:MET:HB2	1:67:B:LEU:HD11	16	0.17
(1,1823)	1:63:A:MET:HB2	1:67:A:LEU:HD13	14	0.17
(1,1823)	1:63:A:MET:HB2	1:67:A:LEU:HD11	16	0.17
(1,1800)	1:66:B:LYS:HE2	1:63:B:MET:HG3	7	0.17
(1,1752)	1:64:B:MET:HA	1:67:B:LEU:HD11	20	0.17
(1,1751)	1:64:A:MET:HA	1:67:A:LEU:HD11	20	0.17
(1,1696)	1:75:B:LEU:HA	1:33:B:THR:HG22	20	0.17
(1,1695)	1:75:A:LEU:HA	1:33:A:THR:HG22	20	0.17
(1,1632)	1:60:B:LEU:H	1:59:B:VAL:HG21	1	0.17
(1,1631)	1:60:A:LEU:H	1:59:A:VAL:HG21	1	0.17
(1,1624)	1:67:B:LEU:H	1:67:B:LEU:HD12	4	0.17
(1,1528)	1:65:B:LYS:H	1:64:B:MET:HG3	4	0.17
(1,1527)	1:65:A:LYS:H	1:64:A:MET:HG3	4	0.17
(1,1432)	1:17:B:LEU:H	1:17:B:LEU:HD12	4	0.17
(1,1432)	1:17:B:LEU:H	1:17:B:LEU:HD13	10	0.17
(1,1432)	1:17:B:LEU:H	1:17:B:LEU:HD11	15	0.17
(1,1431)	1:17:A:LEU:H	1:17:A:LEU:HD12	4	0.17
(1,1431)	1:17:A:LEU:H	1:17:A:LEU:HD13	10	0.17
(1,1402)	1:15:B:GLU:HA	1:18:B:ILE:HG23	3	0.17
(1,1401)	1:15:A:GLU:HA	1:18:A:ILE:HG23	3	0.17
(1,1397)	1:68:A:ASP:HB3	1:75:A:LEU:HD23	3	0.17
(1,1378)	1:49:B:ALA:HB1	1:50:B:PHE:HB2	19	0.17
(1,1377)	1:49:A:ALA:HB3	1:50:A:PHE:HB2	8	0.17
(1,1377)	1:49:A:ALA:HB1	1:50:A:PHE:HB2	13	0.17
(1,1377)	1:49:A:ALA:HB1	1:50:A:PHE:HB2	19	0.17
(1,1336)	1:81:B:LEU:H	1:81:B:LEU:HD22	6	0.17
(1,1330)	1:48:B:ALA:H	1:43:B:MET:HB3	20	0.17
(1,1329)	1:48:A:ALA:H	1:43:A:MET:HB3	11	0.17
(1,1329)	1:48:A:ALA:H	1:43:A:MET:HB3	20	0.17
(1,1328)	1:34:B:LEU:HB2	1:39:B:PHE:HB3	5	0.17
(1,1327)	1:34:A:LEU:HB2	1:39:A:PHE:HB3	5	0.17
(1,1327)	1:34:A:LEU:HB2	1:39:A:PHE:HB3	14	0.17
(1,1290)	1:36:B:LYS:HA	1:64:B:MET:HG3	12	0.17
(1,1238)	1:62:B:ARG:HB3	1:59:B:VAL:HA	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1208)	1:27:B:LYS:H	1:27:B:LYS:HD2	3	0.17
(1,1207)	1:27:A:LYS:H	1:27:A:LYS:HD2	3	0.17
(1,1166)	1:81:B:LEU:HD21	1:80:B:PHE:HB3	4	0.17
(1,1165)	1:81:A:LEU:HD21	1:80:A:PHE:HB3	4	0.17
(1,1158)	1:23:B:LYS:HD3	1:20:B:VAL:HB	17	0.17
(1,1094)	1:36:B:LYS:HB2	1:36:B:LYS:HE3	7	0.17
(1,1094)	1:36:B:LYS:HB2	1:36:B:LYS:HE3	9	0.17
(1,1093)	1:36:A:LYS:HB2	1:36:A:LYS:HE3	7	0.17
(1,1064)	1:18:B:ILE:HA	1:21:B:PHE:HB3	15	0.17
(1,1063)	1:18:A:ILE:HA	1:21:A:PHE:HB3	15	0.17
(1,1029)	1:38:A:GLU:HB3	1:24:A:TYR:HB2	11	0.17
(1,988)	1:87:B:LEU:HB2	1:86:B:GLY:H	5	0.17
(1,988)	1:87:B:LEU:HB2	1:86:B:GLY:H	20	0.17
(1,987)	1:87:A:LEU:HB2	1:86:A:GLY:H	5	0.17
(1,987)	1:87:A:LEU:HB2	1:86:A:GLY:H	20	0.17
(1,985)	1:61:A:ASP:H	1:58:A:GLY:HA3	3	0.17
(1,985)	1:61:A:ASP:H	1:58:A:GLY:HA3	9	0.17
(1,960)	1:33:B:THR:HG22	1:74:B:GLN:HA	10	0.17
(1,959)	1:33:A:THR:HG22	1:74:A:GLN:HA	10	0.17
(1,950)	1:94:B:SER:HB2	1:91:B:CYS:HB3	2	0.17
(1,949)	1:94:A:SER:HB2	1:91:A:CYS:HB3	2	0.17
(1,934)	1:97:B:LYS:HA	1:97:B:LYS:HE2	19	0.17
(1,933)	1:97:A:LYS:HA	1:97:A:LYS:HE2	19	0.17
(1,910)	1:94:B:SER:HB2	1:95:B:PHE:HB2	4	0.17
(1,855)	1:9:A:GLU:HG2	1:17:B:LEU:HD23	7	0.17
(1,828)	1:40:B:LEU:HA	1:39:B:PHE:HB2	12	0.17
(1,827)	1:40:A:LEU:HA	1:39:A:PHE:HB2	12	0.17
(1,738)	1:40:B:LEU:HG	1:36:B:LYS:HE2	8	0.17
(1,716)	1:76:B:ASP:HA	1:77:B:PHE:HB2	14	0.17
(1,715)	1:76:A:ASP:HA	1:77:A:PHE:HB2	14	0.17
(1,714)	1:16:B:SER:HB3	1:17:B:LEU:HD23	11	0.17
(1,713)	1:16:A:SER:HB3	1:17:A:LEU:HD23	11	0.17
(1,708)	1:67:B:LEU:HB2	1:66:B:LYS:HB3	7	0.17
(1,708)	1:67:B:LEU:HB2	1:66:B:LYS:HB3	18	0.17
(1,707)	1:67:A:LEU:HB2	1:66:A:LYS:HB3	7	0.17
(1,690)	1:17:B:LEU:HG	1:81:B:LEU:HD23	14	0.17
(1,689)	1:17:A:LEU:HG	1:81:A:LEU:HD23	14	0.17
(1,662)	1:73:B:GLY:HA2	1:74:B:GLN:HG3	3	0.17
(1,662)	1:73:B:GLY:HA2	1:74:B:GLN:HG3	8	0.17
(1,661)	1:73:A:GLY:HA2	1:74:A:GLN:HG3	3	0.17
(1,661)	1:73:A:GLY:HA2	1:74:A:GLN:HG3	8	0.17
(1,648)	1:14:B:ILE:HB	1:88:A:ALA:HB2	10	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,647)	1:14:A:ILE:HB	1:88:B:ALA:HB2	10	0.17
(1,628)	1:89:B:MET:HG2	1:81:A:LEU:HG	15	0.17
(1,627)	1:89:A:MET:HG2	1:81:B:LEU:HG	15	0.17
(1,622)	1:63:B:MET:H	1:62:B:ARG:HG2	8	0.17
(1,622)	1:63:B:MET:H	1:62:B:ARG:HG2	17	0.17
(1,621)	1:63:A:MET:H	1:62:A:ARG:HG2	8	0.17
(1,609)	1:63:A:MET:H	1:62:A:ARG:HG2	9	0.17
(1,540)	1:16:B:SER:HA	1:15:B:GLU:H	8	0.17
(1,540)	1:16:B:SER:HA	1:15:B:GLU:H	10	0.17
(1,539)	1:16:A:SER:HA	1:15:A:GLU:H	8	0.17
(1,539)	1:16:A:SER:HA	1:15:A:GLU:H	10	0.17
(1,443)	1:15:A:GLU:HG3	1:91:B:CYS:HB3	18	0.17
(1,326)	1:96:B:LEU:HG	1:95:B:PHE:HB3	10	0.17
(1,326)	1:96:B:LEU:HG	1:95:B:PHE:HB3	12	0.17
(1,326)	1:96:B:LEU:HG	1:95:B:PHE:HB3	19	0.17
(1,325)	1:96:A:LEU:HG	1:95:A:PHE:HB3	10	0.17
(1,325)	1:96:A:LEU:HG	1:95:A:PHE:HB3	19	0.17
(1,285)	1:75:A:LEU:HB3	1:39:A:PHE:HB3	15	0.17
(1,280)	1:17:B:LEU:HB2	1:21:B:PHE:H	13	0.17
(1,279)	1:17:A:LEU:HB2	1:21:A:PHE:H	13	0.17
(1,147)	1:18:A:ILE:HG21	1:92:B:HIS:H	12	0.17
(1,98)	1:9:B:GLU:HB3	1:20:A:VAL:HB	1	0.17
(1,98)	1:9:B:GLU:HB3	1:20:A:VAL:HB	3	0.17
(1,98)	1:9:B:GLU:HB3	1:20:A:VAL:HB	6	0.17
(1,98)	1:9:B:GLU:HB3	1:20:A:VAL:HB	13	0.17
(1,97)	1:9:A:GLU:HB3	1:20:B:VAL:HB	1	0.17
(1,97)	1:9:A:GLU:HB3	1:20:B:VAL:HB	8	0.17
(1,97)	1:9:A:GLU:HB3	1:20:B:VAL:HB	13	0.17
(1,97)	1:9:A:GLU:HB3	1:20:B:VAL:HB	19	0.17
(1,85)	1:9:A:GLU:HB3	1:20:B:VAL:HB	18	0.17
(1,49)	1:20:A:VAL:HG13	1:9:B:GLU:HG2	7	0.17
(3,107)	1:92:B:HIS:N	1:88:B:ALA:O	14	0.16
(3,87)	1:46:B:GLU:N	1:42:B:PHE:O	2	0.16
(3,87)	1:46:B:GLU:N	1:42:B:PHE:O	14	0.16
(3,87)	1:46:B:GLU:N	1:42:B:PHE:O	15	0.16
(3,49)	1:92:A:HIS:N	1:88:A:ALA:O	14	0.16
(3,29)	1:46:A:GLU:N	1:42:A:PHE:O	2	0.16
(3,29)	1:46:A:GLU:N	1:42:A:PHE:O	3	0.16
(3,29)	1:46:A:GLU:N	1:42:A:PHE:O	15	0.16
(3,5)	1:13:A:CYS:N	1:9:A:GLU:O	16	0.16
(2,124)	1:44:B:ASN:HB2	1:48:B:ALA:H	17	0.16
(2,123)	1:44:A:ASN:HB2	1:48:A:ALA:H	11	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,78)	1:61:B:ASP:HA	1:59:B:VAL:HA	4	0.16
(2,78)	1:61:B:ASP:HA	1:59:B:VAL:HA	16	0.16
(2,77)	1:61:A:ASP:HA	1:59:A:VAL:HA	4	0.16
(2,77)	1:61:A:ASP:HA	1:59:A:VAL:HA	8	0.16
(2,77)	1:61:A:ASP:HA	1:59:A:VAL:HA	16	0.16
(2,57)	1:8:A:THR:HB	1:45:B:THR:HB	19	0.16
(2,32)	1:38:B:GLU:HA	1:34:B:LEU:HA	7	0.16
(2,32)	1:38:B:GLU:HA	1:34:B:LEU:HA	13	0.16
(2,31)	1:38:A:GLU:HA	1:34:A:LEU:HA	7	0.16
(2,31)	1:38:A:GLU:HA	1:34:A:LEU:HA	13	0.16
(2,28)	1:16:B:SER:HA	1:21:B:PHE:H	7	0.16
(2,28)	1:16:B:SER:HA	1:21:B:PHE:H	15	0.16
(2,27)	1:16:A:SER:HA	1:21:A:PHE:H	7	0.16
(2,27)	1:16:A:SER:HA	1:21:A:PHE:H	15	0.16
(1,5786)	1:99:B:VAL:H	1:99:B:VAL:HA	3	0.16
(1,5694)	1:102:B:GLN:H	1:101:B:SER:HA	2	0.16
(1,5693)	1:102:A:GLN:H	1:101:A:SER:HA	2	0.16
(1,5686)	1:15:B:GLU:H	1:14:B:ILE:HG22	9	0.16
(1,5685)	1:15:A:GLU:H	1:14:A:ILE:HG22	9	0.16
(1,5678)	1:20:B:VAL:H	1:9:A:GLU:HG2	18	0.16
(1,5677)	1:20:A:VAL:H	1:9:B:GLU:HG2	13	0.16
(1,5624)	1:84:B:ILE:H	1:87:B:LEU:HD13	9	0.16
(1,5557)	1:88:A:ALA:H	1:81:B:LEU:HD11	17	0.16
(1,5556)	1:68:B:ASP:H	1:67:B:LEU:HB3	10	0.16
(1,5556)	1:68:B:ASP:H	1:67:B:LEU:HB3	15	0.16
(1,5555)	1:68:A:ASP:H	1:67:A:LEU:HB3	5	0.16
(1,5555)	1:68:A:ASP:H	1:67:A:LEU:HB3	10	0.16
(1,5555)	1:68:A:ASP:H	1:67:A:LEU:HB3	15	0.16
(1,5540)	1:10:B:THR:H	1:20:A:VAL:HG22	4	0.16
(1,5502)	1:82:B:ASN:H	1:86:B:GLY:H	17	0.16
(1,5501)	1:82:A:ASN:H	1:86:A:GLY:H	17	0.16
(1,5497)	1:76:A:ASP:H	1:77:A:PHE:HB2	1	0.16
(1,5492)	1:49:B:ALA:H	1:47:B:LEU:HG	4	0.16
(1,5464)	1:45:B:THR:H	1:46:B:GLU:HB2	11	0.16
(1,5463)	1:45:A:THR:H	1:46:A:GLU:HB2	11	0.16
(1,5458)	1:95:B:PHE:H	1:96:B:LEU:HD21	16	0.16
(1,5457)	1:95:A:PHE:H	1:96:A:LEU:HD22	3	0.16
(1,5389)	1:23:A:LYS:H	1:23:A:LYS:HE2	7	0.16
(1,5342)	1:93:B:ASP:H	1:96:B:LEU:HD21	2	0.16
(1,5342)	1:93:B:ASP:H	1:96:B:LEU:HD21	9	0.16
(1,5341)	1:93:A:ASP:H	1:96:A:LEU:HD21	2	0.16
(1,5341)	1:93:A:ASP:H	1:96:A:LEU:HD21	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5204)	1:75:B:LEU:H	1:64:B:MET:HG2	1	0.16
(1,5203)	1:75:A:LEU:H	1:64:A:MET:HG2	1	0.16
(1,5122)	1:66:B:LYS:HB2	1:66:B:LYS:HG3	17	0.16
(1,5121)	1:66:A:LYS:HB2	1:66:A:LYS:HG3	17	0.16
(1,5120)	1:60:B:LEU:HB2	1:40:B:LEU:HD23	5	0.16
(1,5119)	1:60:A:LEU:HB2	1:40:A:LEU:HD23	5	0.16
(1,5098)	1:52:B:LYS:HA	1:52:B:LYS:HB3	6	0.16
(1,5097)	1:52:A:LYS:HA	1:52:A:LYS:HB3	6	0.16
(1,5044)	1:87:B:LEU:HD11	1:83:B:LEU:HD21	10	0.16
(1,5043)	1:87:A:LEU:HD11	1:83:A:LEU:HD21	10	0.16
(1,5033)	1:24:A:TYR:HA	1:27:A:LYS:HD2	17	0.16
(1,5030)	1:65:B:LYS:HG2	1:65:B:LYS:HA	4	0.16
(1,4938)	1:10:B:THR:HG23	1:87:A:LEU:HD23	14	0.16
(1,4924)	1:65:B:LYS:HG2	1:65:B:LYS:HA	7	0.16
(1,4923)	1:65:A:LYS:HG2	1:65:A:LYS:HA	7	0.16
(1,4883)	1:68:A:ASP:HA	1:33:A:THR:HG21	5	0.16
(1,4861)	1:68:A:ASP:HA	1:33:A:THR:HG21	5	0.16
(1,4856)	1:25:B:ALA:HA	1:34:B:LEU:HD23	11	0.16
(1,4855)	1:25:A:ALA:HA	1:34:A:LEU:HD23	11	0.16
(1,4831)	1:12:A:ARG:HD2	1:9:A:GLU:HA	6	0.16
(1,4830)	1:18:B:ILE:HG21	1:14:B:ILE:HG22	10	0.16
(1,4806)	1:18:B:ILE:HG21	1:14:B:ILE:HG22	10	0.16
(1,4796)	1:63:B:MET:HA	1:66:B:LYS:HE3	12	0.16
(1,4791)	1:37:A:THR:HA	1:40:A:LEU:HD21	11	0.16
(1,4718)	1:87:B:LEU:HD22	1:11:A:GLU:HB3	1	0.16
(1,4717)	1:87:A:LEU:HD22	1:11:B:GLU:HB3	1	0.16
(1,4715)	1:17:A:LEU:HD23	1:13:B:CYS:HB2	6	0.16
(1,4700)	1:60:B:LEU:HA	1:60:B:LEU:HG	13	0.16
(1,4700)	1:60:B:LEU:HA	1:60:B:LEU:HG	16	0.16
(1,4700)	1:60:B:LEU:HA	1:60:B:LEU:HG	17	0.16
(1,4699)	1:60:A:LEU:HA	1:60:A:LEU:HG	13	0.16
(1,4699)	1:60:A:LEU:HA	1:60:A:LEU:HG	16	0.16
(1,4699)	1:60:A:LEU:HA	1:60:A:LEU:HG	17	0.16
(1,4698)	1:60:B:LEU:HA	1:60:B:LEU:HG	1	0.16
(1,4698)	1:60:B:LEU:HA	1:60:B:LEU:HG	4	0.16
(1,4698)	1:60:B:LEU:HA	1:60:B:LEU:HG	13	0.16
(1,4697)	1:60:A:LEU:HA	1:60:A:LEU:HG	1	0.16
(1,4697)	1:60:A:LEU:HA	1:60:A:LEU:HG	4	0.16
(1,4650)	1:63:B:MET:HB2	1:67:B:LEU:HD12	4	0.16
(1,4650)	1:63:B:MET:HB2	1:67:B:LEU:HD12	19	0.16
(1,4649)	1:63:A:MET:HB2	1:67:A:LEU:HD12	4	0.16
(1,4640)	1:88:B:ALA:HA	1:14:A:ILE:HG12	7	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4639)	1:88:A:ALA:HA	1:14:B:ILE:HG12	7	0.16
(1,4620)	1:68:B:ASP:HB2	1:65:B:LYS:HA	14	0.16
(1,4620)	1:68:B:ASP:HB2	1:65:B:LYS:HA	17	0.16
(1,4619)	1:68:A:ASP:HB2	1:65:A:LYS:HA	14	0.16
(1,4619)	1:68:A:ASP:HB2	1:65:A:LYS:HA	17	0.16
(1,4590)	1:88:B:ALA:HB1	1:14:A:ILE:HA	15	0.16
(1,4589)	1:88:A:ALA:HB1	1:14:B:ILE:HA	15	0.16
(1,4586)	1:63:B:MET:HG2	1:60:B:LEU:HD23	19	0.16
(1,4585)	1:63:A:MET:HG2	1:60:A:LEU:HD23	19	0.16
(1,4572)	1:47:B:LEU:HD11	1:39:B:PHE:HA	6	0.16
(1,4572)	1:47:B:LEU:HD11	1:39:B:PHE:HA	20	0.16
(1,4571)	1:47:A:LEU:HD11	1:39:A:PHE:HA	6	0.16
(1,4571)	1:47:A:LEU:HD11	1:39:A:PHE:HA	20	0.16
(1,4558)	1:63:B:MET:HG2	1:60:B:LEU:HD22	1	0.16
(1,4558)	1:63:B:MET:HG2	1:60:B:LEU:HD21	14	0.16
(1,4557)	1:63:A:MET:HG2	1:60:A:LEU:HD22	1	0.16
(1,4557)	1:63:A:MET:HG2	1:60:A:LEU:HD21	8	0.16
(1,4557)	1:63:A:MET:HG2	1:60:A:LEU:HD21	14	0.16
(1,4551)	1:83:A:LEU:HD13	1:64:A:MET:H	10	0.16
(1,4528)	1:49:B:ALA:HB2	1:47:B:LEU:HB2	2	0.16
(1,4528)	1:49:B:ALA:HB3	1:47:B:LEU:HB2	14	0.16
(1,4527)	1:49:A:ALA:HB3	1:47:A:LEU:HB2	14	0.16
(1,4470)	1:33:B:THR:HG23	1:79:B:GLU:H	5	0.16
(1,4469)	1:33:A:THR:HG23	1:79:A:GLU:H	5	0.16
(1,4460)	1:20:B:VAL:HG21	1:81:B:LEU:HD21	3	0.16
(1,4459)	1:20:A:VAL:HG21	1:81:A:LEU:HD21	3	0.16
(1,4439)	1:49:A:ALA:HB2	1:50:A:PHE:HB2	2	0.16
(1,4416)	1:13:B:CYS:H	1:12:B:ARG:HB2	11	0.16
(1,4415)	1:13:A:CYS:H	1:12:A:ARG:HB2	11	0.16
(1,4368)	1:44:B:ASN:HA	1:60:B:LEU:HD12	10	0.16
(1,4367)	1:44:A:ASN:HA	1:60:A:LEU:HD12	10	0.16
(1,4356)	1:23:B:LYS:HB2	1:23:B:LYS:HE3	9	0.16
(1,4355)	1:23:A:LYS:HB2	1:23:A:LYS:HE3	9	0.16
(1,4326)	1:43:B:MET:H	1:60:B:LEU:HD13	10	0.16
(1,4325)	1:43:A:MET:H	1:60:A:LEU:HD13	10	0.16
(1,4278)	1:16:B:SER:HA	1:15:B:GLU:HB2	11	0.16
(1,4277)	1:16:A:SER:HA	1:15:A:GLU:HB2	11	0.16
(1,4268)	1:13:B:CYS:HB2	1:14:B:ILE:HB	4	0.16
(1,4268)	1:13:B:CYS:HB2	1:14:B:ILE:HB	7	0.16
(1,4268)	1:13:B:CYS:HB2	1:14:B:ILE:HB	18	0.16
(1,4267)	1:13:A:CYS:HB2	1:14:A:ILE:HB	4	0.16
(1,4267)	1:13:A:CYS:HB2	1:14:A:ILE:HB	18	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4261)	1:63:A:MET:HG2	1:59:A:VAL:HA	1	0.16
(1,4224)	1:48:B:ALA:HA	1:60:B:LEU:HD21	3	0.16
(1,4223)	1:48:A:ALA:HA	1:60:A:LEU:HD21	3	0.16
(1,4223)	1:48:A:ALA:HA	1:60:A:LEU:HD23	5	0.16
(1,4198)	1:60:B:LEU:HD12	1:44:B:ASN:HB2	19	0.16
(1,4197)	1:60:A:LEU:HD12	1:44:A:ASN:HB2	19	0.16
(1,4172)	1:44:B:ASN:HB2	1:43:B:MET:HB3	17	0.16
(1,4171)	1:44:A:ASN:HB2	1:43:A:MET:HB3	17	0.16
(1,4162)	1:22:B:GLN:HA	1:26:B:GLY:HA3	5	0.16
(1,4161)	1:22:A:GLN:HA	1:26:A:GLY:HA3	5	0.16
(1,4160)	1:42:B:PHE:HB3	1:46:B:GLU:HB2	17	0.16
(1,4159)	1:42:A:PHE:HB3	1:46:A:GLU:HB2	17	0.16
(1,4148)	1:65:B:LYS:HB2	1:61:B:ASP:HB3	17	0.16
(1,4124)	1:67:B:LEU:HA	1:82:B:ASN:HB2	11	0.16
(1,4123)	1:67:A:LEU:HA	1:82:A:ASN:HB2	11	0.16
(1,4076)	1:53:B:ASN:HA	1:52:B:LYS:HB2	1	0.16
(1,4076)	1:53:B:ASN:HA	1:52:B:LYS:HB2	19	0.16
(1,4075)	1:53:A:ASN:HA	1:52:A:LYS:HB2	1	0.16
(1,4075)	1:28:A:ASP:HA	1:27:A:LYS:HB3	10	0.16
(1,4033)	1:49:A:ALA:HA	1:53:A:ASN:H	11	0.16
(1,4018)	1:60:B:LEU:HD13	1:44:B:ASN:HB2	7	0.16
(1,4006)	1:28:B:ASP:HA	1:27:B:LYS:HB2	17	0.16
(1,4005)	1:28:A:ASP:HA	1:27:A:LYS:HB2	14	0.16
(1,4005)	1:28:A:ASP:HA	1:27:A:LYS:HB2	17	0.16
(1,3940)	1:75:B:LEU:HD13	1:67:B:LEU:H	15	0.16
(1,3934)	1:34:B:LEU:HA	1:35:B:SER:HB3	8	0.16
(1,3933)	1:34:A:LEU:HA	1:35:A:SER:HB3	3	0.16
(1,3916)	1:10:B:THR:HB	1:47:A:LEU:HD23	3	0.16
(1,3902)	1:76:B:ASP:HA	1:34:B:LEU:HB2	12	0.16
(1,3901)	1:76:A:ASP:HA	1:34:A:LEU:HB2	10	0.16
(1,3901)	1:76:A:ASP:HA	1:34:A:LEU:HB2	12	0.16
(1,3876)	1:33:B:THR:HG23	1:79:B:GLU:H	5	0.16
(1,3875)	1:33:A:THR:HG23	1:79:A:GLU:H	5	0.16
(1,3863)	1:74:A:GLN:HG3	1:75:A:LEU:HD21	20	0.16
(1,3857)	1:47:A:LEU:HA	1:50:A:PHE:HA	8	0.16
(1,3854)	1:79:B:GLU:HA	1:81:B:LEU:HA	15	0.16
(1,3853)	1:79:A:GLU:HA	1:81:A:LEU:HA	15	0.16
(1,3845)	1:92:A:HIS:HA	1:18:B:ILE:HB	17	0.16
(1,3844)	1:17:B:LEU:HB3	1:18:B:ILE:HA	14	0.16
(1,3844)	1:17:B:LEU:HB3	1:14:B:ILE:HA	20	0.16
(1,3843)	1:17:A:LEU:HB3	1:18:A:ILE:HA	8	0.16
(1,3843)	1:17:A:LEU:HB3	1:18:A:ILE:HA	14	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3843)	1:17:A:LEU:HB3	1:14:A:ILE:HA	20	0.16
(1,3822)	1:10:B:THR:HA	1:17:A:LEU:HA	6	0.16
(1,3820)	1:47:B:LEU:HD13	1:43:B:MET:H	8	0.16
(1,3819)	1:47:A:LEU:HD13	1:43:A:MET:H	8	0.16
(1,3732)	1:25:B:ALA:HB3	1:35:B:SER:HB2	3	0.16
(1,3712)	1:83:B:LEU:HB2	1:87:B:LEU:HD12	8	0.16
(1,3712)	1:83:B:LEU:HB2	1:87:B:LEU:HD13	14	0.16
(1,3711)	1:83:A:LEU:HB2	1:87:A:LEU:HD12	8	0.16
(1,3711)	1:83:A:LEU:HB2	1:87:A:LEU:HD13	14	0.16
(1,3708)	1:49:B:ALA:HB1	1:11:A:GLU:HG3	7	0.16
(1,3707)	1:49:A:ALA:HB1	1:11:B:GLU:HG3	7	0.16
(1,3699)	1:69:A:THR:HB	1:68:A:ASP:HB3	1	0.16
(1,3699)	1:69:A:THR:HB	1:68:A:ASP:HB3	14	0.16
(1,3651)	1:47:A:LEU:HD21	1:10:B:THR:H	16	0.16
(1,3641)	1:44:A:ASN:HB2	1:40:A:LEU:HA	1	0.16
(1,3578)	1:51:B:THR:HB	1:44:B:ASN:HB3	1	0.16
(1,3577)	1:51:A:THR:HB	1:44:A:ASN:HB3	1	0.16
(1,3572)	1:58:B:GLY:HA2	1:59:B:VAL:HG13	15	0.16
(1,3540)	1:73:B:GLY:HA3	1:68:B:ASP:HB2	14	0.16
(1,3528)	1:34:B:LEU:HB3	1:24:B:TYR:HB3	3	0.16
(1,3527)	1:34:A:LEU:HB3	1:24:A:TYR:HB3	3	0.16
(1,3518)	1:51:B:THR:HB	1:44:B:ASN:HB2	5	0.16
(1,3517)	1:51:A:THR:HB	1:44:A:ASN:HB2	5	0.16
(1,3508)	1:46:B:GLU:HB3	1:45:B:THR:HB	10	0.16
(1,3507)	1:46:A:GLU:HB3	1:45:A:THR:HB	10	0.16
(1,3460)	1:80:B:PHE:HA	1:75:B:LEU:HA	20	0.16
(1,3459)	1:80:A:PHE:HA	1:75:A:LEU:HA	20	0.16
(1,3434)	1:42:B:PHE:HA	1:46:B:GLU:HA	17	0.16
(1,3432)	1:83:B:LEU:H	1:67:B:LEU:HB2	9	0.16
(1,3404)	1:9:B:GLU:HB3	1:16:A:SER:HB3	13	0.16
(1,3382)	1:87:B:LEU:HD22	1:11:A:GLU:HB3	1	0.16
(1,3381)	1:87:A:LEU:HD22	1:11:B:GLU:HB3	1	0.16
(1,3377)	1:8:A:THR:HG21	1:48:B:ALA:HA	5	0.16
(1,3372)	1:10:B:THR:HG23	1:87:A:LEU:HD23	14	0.16
(1,3353)	1:84:A:ILE:HG23	1:14:B:ILE:HD13	19	0.16
(1,3166)	1:82:B:ASN:H	1:82:B:ASN:HB3	17	0.16
(1,3165)	1:82:A:ASN:H	1:82:A:ASN:HB3	17	0.16
(1,3092)	1:75:B:LEU:H	1:75:B:LEU:HB3	1	0.16
(1,3092)	1:75:B:LEU:H	1:75:B:LEU:HB3	8	0.16
(1,3092)	1:75:B:LEU:H	1:75:B:LEU:HB3	9	0.16
(1,3092)	1:75:B:LEU:H	1:75:B:LEU:HB3	18	0.16
(1,3092)	1:75:B:LEU:H	1:75:B:LEU:HB3	19	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3091)	1:75:A:LEU:H	1:75:A:LEU:HB3	1	0.16
(1,3091)	1:75:A:LEU:H	1:75:A:LEU:HB3	6	0.16
(1,3091)	1:75:A:LEU:H	1:75:A:LEU:HB3	8	0.16
(1,3091)	1:75:A:LEU:H	1:75:A:LEU:HB3	9	0.16
(1,3091)	1:75:A:LEU:H	1:75:A:LEU:HB3	18	0.16
(1,3091)	1:75:A:LEU:H	1:75:A:LEU:HB3	19	0.16
(1,3056)	1:94:B:SER:H	1:93:B:ASP:HB2	2	0.16
(1,3056)	1:94:B:SER:H	1:93:B:ASP:HB2	13	0.16
(1,3056)	1:94:B:SER:H	1:93:B:ASP:HB2	20	0.16
(1,3055)	1:94:A:SER:H	1:93:A:ASP:HB2	2	0.16
(1,2726)	1:77:B:PHE:H	1:33:B:THR:HG21	10	0.16
(1,2725)	1:77:A:PHE:H	1:33:A:THR:HG21	10	0.16
(1,2702)	1:74:B:GLN:H	1:33:B:THR:HG21	8	0.16
(1,2701)	1:74:A:GLN:H	1:33:A:THR:HG21	8	0.16
(1,2630)	1:69:B:THR:H	1:67:B:LEU:HB2	3	0.16
(1,2629)	1:69:A:THR:H	1:67:A:LEU:HB2	3	0.16
(1,2629)	1:69:A:THR:H	1:67:A:LEU:HB2	15	0.16
(1,2629)	1:69:A:THR:H	1:67:A:LEU:HB2	17	0.16
(1,2626)	1:86:B:GLY:H	1:89:B:MET:HB2	5	0.16
(1,2626)	1:86:B:GLY:H	1:89:B:MET:HB2	20	0.16
(1,2625)	1:86:A:GLY:H	1:89:A:MET:HB2	5	0.16
(1,2625)	1:86:A:GLY:H	1:89:A:MET:HB2	20	0.16
(1,2358)	1:10:B:THR:HG22	1:10:B:THR:HG23	1	0.16
(1,2358)	1:10:B:THR:HG22	1:10:B:THR:HG23	2	0.16
(1,2358)	1:10:B:THR:HG22	1:10:B:THR:HG23	3	0.16
(1,2358)	1:10:B:THR:HG21	1:10:B:THR:HG23	4	0.16
(1,2358)	1:10:B:THR:HG21	1:10:B:THR:HG22	5	0.16
(1,2358)	1:10:B:THR:HG21	1:10:B:THR:HG22	6	0.16
(1,2358)	1:10:B:THR:HG21	1:10:B:THR:HG23	7	0.16
(1,2358)	1:10:B:THR:HG21	1:10:B:THR:HG23	8	0.16
(1,2358)	1:10:B:THR:HG21	1:10:B:THR:HG23	9	0.16
(1,2358)	1:10:B:THR:HG21	1:10:B:THR:HG23	10	0.16
(1,2358)	1:10:B:THR:HG21	1:10:B:THR:HG23	11	0.16
(1,2358)	1:10:B:THR:HG21	1:10:B:THR:HG23	12	0.16
(1,2358)	1:10:B:THR:HG22	1:10:B:THR:HG23	13	0.16
(1,2358)	1:10:B:THR:HG22	1:10:B:THR:HG23	14	0.16
(1,2358)	1:10:B:THR:HG22	1:10:B:THR:HG23	15	0.16
(1,2358)	1:10:B:THR:HG21	1:10:B:THR:HG22	16	0.16
(1,2358)	1:10:B:THR:HG21	1:10:B:THR:HG23	17	0.16
(1,2358)	1:10:B:THR:HG21	1:10:B:THR:HG23	18	0.16
(1,2358)	1:10:B:THR:HG22	1:10:B:THR:HG23	19	0.16
(1,2358)	1:10:B:THR:HG21	1:10:B:THR:HG23	20	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2357)	1:10:A:THR:HG22	1:10:A:THR:HG23	1	0.16
(1,2357)	1:10:A:THR:HG22	1:10:A:THR:HG23	3	0.16
(1,2357)	1:10:A:THR:HG21	1:10:A:THR:HG23	4	0.16
(1,2357)	1:10:A:THR:HG21	1:10:A:THR:HG22	5	0.16
(1,2357)	1:10:A:THR:HG21	1:10:A:THR:HG22	6	0.16
(1,2357)	1:10:A:THR:HG21	1:10:A:THR:HG23	7	0.16
(1,2357)	1:10:A:THR:HG21	1:10:A:THR:HG23	8	0.16
(1,2357)	1:10:A:THR:HG22	1:10:A:THR:HG23	9	0.16
(1,2357)	1:10:A:THR:HG21	1:10:A:THR:HG23	10	0.16
(1,2357)	1:10:A:THR:HG22	1:10:A:THR:HG23	11	0.16
(1,2357)	1:10:A:THR:HG21	1:10:A:THR:HG23	12	0.16
(1,2357)	1:10:A:THR:HG22	1:10:A:THR:HG23	13	0.16
(1,2357)	1:10:A:THR:HG22	1:10:A:THR:HG23	14	0.16
(1,2357)	1:10:A:THR:HG22	1:10:A:THR:HG23	15	0.16
(1,2357)	1:10:A:THR:HG22	1:10:A:THR:HG23	16	0.16
(1,2357)	1:10:A:THR:HG21	1:10:A:THR:HG22	17	0.16
(1,2357)	1:10:A:THR:HG21	1:10:A:THR:HG23	18	0.16
(1,2357)	1:10:A:THR:HG21	1:10:A:THR:HG23	19	0.16
(1,2357)	1:10:A:THR:HG21	1:10:A:THR:HG23	20	0.16
(1,2356)	1:9:B:GLU:HG2	1:9:B:GLU:HG3	1	0.16
(1,2356)	1:9:B:GLU:HG2	1:9:B:GLU:HG3	2	0.16
(1,2356)	1:9:B:GLU:HG2	1:9:B:GLU:HG3	3	0.16
(1,2356)	1:9:B:GLU:HG2	1:9:B:GLU:HG3	4	0.16
(1,2356)	1:9:B:GLU:HG2	1:9:B:GLU:HG3	5	0.16
(1,2356)	1:9:B:GLU:HG2	1:9:B:GLU:HG3	7	0.16
(1,2356)	1:9:B:GLU:HG2	1:9:B:GLU:HG3	8	0.16
(1,2356)	1:9:B:GLU:HG2	1:9:B:GLU:HG3	9	0.16
(1,2356)	1:9:B:GLU:HG2	1:9:B:GLU:HG3	10	0.16
(1,2356)	1:9:B:GLU:HG2	1:9:B:GLU:HG3	11	0.16
(1,2356)	1:9:B:GLU:HG2	1:9:B:GLU:HG3	12	0.16
(1,2356)	1:9:B:GLU:HG2	1:9:B:GLU:HG3	13	0.16
(1,2356)	1:9:B:GLU:HG2	1:9:B:GLU:HG3	15	0.16
(1,2356)	1:9:B:GLU:HG2	1:9:B:GLU:HG3	17	0.16
(1,2356)	1:9:B:GLU:HG2	1:9:B:GLU:HG3	18	0.16
(1,2356)	1:9:B:GLU:HG2	1:9:B:GLU:HG3	19	0.16
(1,2355)	1:9:A:GLU:HG2	1:9:A:GLU:HG3	1	0.16
(1,2355)	1:9:A:GLU:HG2	1:9:A:GLU:HG3	2	0.16
(1,2355)	1:9:A:GLU:HG2	1:9:A:GLU:HG3	3	0.16
(1,2355)	1:9:A:GLU:HG2	1:9:A:GLU:HG3	4	0.16
(1,2355)	1:9:A:GLU:HG2	1:9:A:GLU:HG3	5	0.16
(1,2355)	1:9:A:GLU:HG2	1:9:A:GLU:HG3	7	0.16
(1,2355)	1:9:A:GLU:HG2	1:9:A:GLU:HG3	8	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2355)	1:9:A:GLU:HG2	1:9:A:GLU:HG3	9	0.16
(1,2355)	1:9:A:GLU:HG2	1:9:A:GLU:HG3	10	0.16
(1,2355)	1:9:A:GLU:HG2	1:9:A:GLU:HG3	11	0.16
(1,2355)	1:9:A:GLU:HG2	1:9:A:GLU:HG3	12	0.16
(1,2355)	1:9:A:GLU:HG2	1:9:A:GLU:HG3	13	0.16
(1,2355)	1:9:A:GLU:HG2	1:9:A:GLU:HG3	15	0.16
(1,2355)	1:9:A:GLU:HG2	1:9:A:GLU:HG3	17	0.16
(1,2355)	1:9:A:GLU:HG2	1:9:A:GLU:HG3	18	0.16
(1,2355)	1:9:A:GLU:HG2	1:9:A:GLU:HG3	19	0.16
(1,2354)	1:12:B:ARG:HD2	1:12:B:ARG:HD3	2	0.16
(1,2354)	1:12:B:ARG:HD2	1:12:B:ARG:HD3	10	0.16
(1,2354)	1:12:B:ARG:HD2	1:12:B:ARG:HD3	15	0.16
(1,2354)	1:12:B:ARG:HD2	1:12:B:ARG:HD3	17	0.16
(1,2354)	1:12:B:ARG:HD2	1:12:B:ARG:HD3	19	0.16
(1,2354)	1:12:B:ARG:HD2	1:12:B:ARG:HD3	20	0.16
(1,2353)	1:12:A:ARG:HD2	1:12:A:ARG:HD3	2	0.16
(1,2353)	1:12:A:ARG:HD2	1:12:A:ARG:HD3	11	0.16
(1,2353)	1:12:A:ARG:HD2	1:12:A:ARG:HD3	17	0.16
(1,2353)	1:12:A:ARG:HD2	1:12:A:ARG:HD3	19	0.16
(1,2353)	1:12:A:ARG:HD2	1:12:A:ARG:HD3	20	0.16
(1,2194)	1:8:B:THR:HA	1:8:B:THR:HG23	5	0.16
(1,2193)	1:8:A:THR:HA	1:8:A:THR:HG23	5	0.16
(1,2193)	1:8:A:THR:HA	1:8:A:THR:HG22	14	0.16
(1,2162)	1:9:B:GLU:HA	1:9:B:GLU:HG3	11	0.16
(1,2161)	1:9:A:GLU:HA	1:9:A:GLU:HG3	3	0.16
(1,2086)	1:9:B:GLU:HG3	1:20:A:VAL:HG11	15	0.16
(1,2085)	1:9:A:GLU:HG3	1:20:B:VAL:HG11	15	0.16
(1,2031)	1:40:A:LEU:HD12	1:36:A:LYS:HE2	8	0.16
(1,2022)	1:36:B:LYS:HG3	1:36:B:LYS:HA	10	0.16
(1,1944)	1:42:B:PHE:HA	1:27:B:LYS:HE2	19	0.16
(1,1924)	1:62:B:ARG:HG3	1:62:B:ARG:HA	19	0.16
(1,1923)	1:62:A:ARG:HG3	1:62:A:ARG:HA	19	0.16
(1,1923)	1:62:A:ARG:HG3	1:62:A:ARG:HA	20	0.16
(1,1859)	1:100:A:PRO:HB3	1:96:A:LEU:HD13	9	0.16
(1,1824)	1:63:B:MET:HB2	1:67:B:LEU:HD12	5	0.16
(1,1824)	1:63:B:MET:HB2	1:67:B:LEU:HD11	13	0.16
(1,1823)	1:63:A:MET:HB2	1:67:A:LEU:HD12	5	0.16
(1,1823)	1:63:A:MET:HB2	1:67:A:LEU:HD11	13	0.16
(1,1684)	1:96:B:LEU:HD21	1:93:B:ASP:HA	10	0.16
(1,1684)	1:96:B:LEU:HD21	1:93:B:ASP:HA	14	0.16
(1,1683)	1:96:A:LEU:HD21	1:93:A:ASP:HA	10	0.16
(1,1683)	1:96:A:LEU:HD21	1:93:A:ASP:HA	14	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1632)	1:60:B:LEU:H	1:59:B:VAL:HG23	18	0.16
(1,1631)	1:60:A:LEU:H	1:59:A:VAL:HG23	18	0.16
(1,1624)	1:67:B:LEU:H	1:67:B:LEU:HD11	20	0.16
(1,1623)	1:67:A:LEU:H	1:67:A:LEU:HD12	4	0.16
(1,1623)	1:67:A:LEU:H	1:67:A:LEU:HD11	20	0.16
(1,1456)	1:87:B:LEU:H	1:87:B:LEU:HD13	9	0.16
(1,1455)	1:87:A:LEU:H	1:87:A:LEU:HD13	9	0.16
(1,1454)	1:48:B:ALA:HA	1:51:B:THR:HG22	4	0.16
(1,1453)	1:48:A:ALA:HA	1:51:A:THR:HG22	4	0.16
(1,1378)	1:49:B:ALA:HB3	1:50:B:PHE:HB2	8	0.16
(1,1378)	1:49:B:ALA:HB1	1:50:B:PHE:HB2	13	0.16
(1,1335)	1:81:A:LEU:H	1:81:A:LEU:HD22	6	0.16
(1,1330)	1:48:B:ALA:H	1:43:B:MET:HB3	12	0.16
(1,1330)	1:48:B:ALA:H	1:43:B:MET:HB3	19	0.16
(1,1329)	1:48:A:ALA:H	1:43:A:MET:HB3	9	0.16
(1,1329)	1:48:A:ALA:H	1:43:A:MET:HB3	12	0.16
(1,1290)	1:36:B:LYS:HA	1:64:B:MET:HG2	15	0.16
(1,1289)	1:36:A:LYS:HA	1:64:A:MET:HG3	12	0.16
(1,1206)	1:48:B:ALA:HB1	1:52:B:LYS:H	4	0.16
(1,1205)	1:48:A:ALA:HB1	1:52:A:LYS:H	4	0.16
(1,988)	1:87:B:LEU:HB2	1:86:B:GLY:H	2	0.16
(1,987)	1:87:A:LEU:HB2	1:86:A:GLY:H	2	0.16
(1,909)	1:94:A:SER:HB2	1:95:A:PHE:HB2	4	0.16
(1,855)	1:9:A:GLU:HG3	1:17:B:LEU:HD21	17	0.16
(1,828)	1:40:B:LEU:HA	1:39:B:PHE:HB2	15	0.16
(1,828)	1:40:B:LEU:HA	1:39:B:PHE:HB2	20	0.16
(1,827)	1:40:A:LEU:HA	1:39:A:PHE:HB2	15	0.16
(1,827)	1:40:A:LEU:HA	1:39:A:PHE:HB2	20	0.16
(1,823)	1:49:A:ALA:HB1	1:7:B:PRO:HA	12	0.16
(1,737)	1:40:A:LEU:HG	1:36:A:LYS:HE2	8	0.16
(1,708)	1:67:B:LEU:HB2	1:66:B:LYS:HB3	8	0.16
(1,707)	1:67:A:LEU:HB2	1:66:A:LYS:HB3	16	0.16
(1,690)	1:17:B:LEU:HG	1:81:B:LEU:HD23	4	0.16
(1,689)	1:17:A:LEU:HG	1:81:A:LEU:HD23	4	0.16
(1,686)	1:84:B:ILE:HB	1:83:B:LEU:HG	5	0.16
(1,686)	1:84:B:ILE:HB	1:83:B:LEU:HG	9	0.16
(1,686)	1:84:B:ILE:HB	1:83:B:LEU:HG	13	0.16
(1,685)	1:84:A:ILE:HB	1:83:A:LEU:HG	5	0.16
(1,685)	1:84:A:ILE:HB	1:83:A:LEU:HG	9	0.16
(1,685)	1:84:A:ILE:HB	1:83:A:LEU:HG	13	0.16
(1,662)	1:73:B:GLY:HA2	1:74:B:GLN:HG3	5	0.16
(1,662)	1:73:B:GLY:HA2	1:74:B:GLN:HG3	12	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,662)	1:73:B:GLY:HA2	1:74:B:GLN:HG3	16	0.16
(1,661)	1:73:A:GLY:HA2	1:74:A:GLN:HG3	5	0.16
(1,661)	1:73:A:GLY:HA2	1:74:A:GLN:HG3	12	0.16
(1,661)	1:73:A:GLY:HA2	1:74:A:GLN:HG3	16	0.16
(1,622)	1:63:B:MET:H	1:62:B:ARG:HG2	11	0.16
(1,621)	1:63:A:MET:H	1:62:A:ARG:HG2	17	0.16
(1,610)	1:63:B:MET:H	1:62:B:ARG:HG2	1	0.16
(1,610)	1:63:B:MET:H	1:62:B:ARG:HG2	9	0.16
(1,609)	1:63:A:MET:H	1:62:A:ARG:HG2	1	0.16
(1,552)	1:42:B:PHE:HA	1:45:B:THR:HG22	10	0.16
(1,551)	1:42:A:PHE:HA	1:45:A:THR:HG22	10	0.16
(1,444)	1:15:B:GLU:HG3	1:91:A:CYS:HB3	18	0.16
(1,396)	1:25:B:ALA:HB2	1:75:B:LEU:H	5	0.16
(1,395)	1:25:A:ALA:HB2	1:75:A:LEU:H	5	0.16
(1,381)	1:11:A:GLU:HG2	1:10:A:THR:H	5	0.16
(1,326)	1:96:B:LEU:HG	1:95:B:PHE:HB3	2	0.16
(1,326)	1:96:B:LEU:HG	1:95:B:PHE:HB3	7	0.16
(1,325)	1:96:A:LEU:HG	1:95:A:PHE:HB3	7	0.16
(1,325)	1:96:A:LEU:HG	1:95:A:PHE:HB3	12	0.16
(1,280)	1:17:B:LEU:HB2	1:21:B:PHE:H	9	0.16
(1,279)	1:17:A:LEU:HB2	1:21:A:PHE:H	9	0.16
(1,217)	1:18:A:ILE:HA	1:95:B:PHE:HB2	4	0.16
(1,136)	1:89:B:MET:HG2	1:85:B:GLY:HA3	16	0.16
(1,135)	1:89:A:MET:HG2	1:85:A:GLY:HA3	9	0.16
(1,135)	1:89:A:MET:HG2	1:85:A:GLY:HA3	16	0.16
(1,132)	1:46:B:GLU:HB3	1:42:B:PHE:HA	20	0.16
(1,131)	1:46:A:GLU:HB3	1:42:A:PHE:HA	20	0.16
(1,125)	1:23:A:LYS:H	1:25:A:ALA:HB1	18	0.16
(1,98)	1:9:B:GLU:HB3	1:20:A:VAL:HB	8	0.16
(1,98)	1:9:B:GLU:HB3	1:20:A:VAL:HB	10	0.16
(1,98)	1:9:B:GLU:HB3	1:20:A:VAL:HB	12	0.16
(1,97)	1:9:A:GLU:HB3	1:20:B:VAL:HB	12	0.16
(1,86)	1:9:B:GLU:HB3	1:20:A:VAL:HB	17	0.16
(1,86)	1:9:B:GLU:HB3	1:20:A:VAL:HB	18	0.16
(1,86)	1:9:B:GLU:HB3	1:20:A:VAL:HB	19	0.16
(1,85)	1:9:A:GLU:HB3	1:20:B:VAL:HB	16	0.16
(3,107)	1:92:B:HIS:N	1:88:B:ALA:O	20	0.15
(3,87)	1:46:B:GLU:N	1:42:B:PHE:O	8	0.15
(3,87)	1:46:B:GLU:N	1:42:B:PHE:O	9	0.15
(3,87)	1:46:B:GLU:N	1:42:B:PHE:O	13	0.15
(3,63)	1:13:B:CYS:N	1:9:B:GLU:O	16	0.15
(3,29)	1:46:A:GLU:N	1:42:A:PHE:O	6	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,29)	1:46:A:GLU:N	1:42:A:PHE:O	8	0.15
(3,29)	1:46:A:GLU:N	1:42:A:PHE:O	9	0.15
(3,29)	1:46:A:GLU:N	1:42:A:PHE:O	13	0.15
(2,124)	1:44:B:ASN:HB2	1:48:B:ALA:H	11	0.15
(2,122)	1:76:B:ASP:HB3	1:68:B:ASP:HA	2	0.15
(2,121)	1:76:A:ASP:HB3	1:68:A:ASP:HA	2	0.15
(2,78)	1:61:B:ASP:HA	1:59:B:VAL:HA	1	0.15
(2,78)	1:61:B:ASP:HA	1:59:B:VAL:HA	8	0.15
(2,77)	1:61:A:ASP:HA	1:59:A:VAL:HA	1	0.15
(2,58)	1:8:B:THR:HB	1:45:A:THR:HB	16	0.15
(2,57)	1:8:A:THR:HB	1:45:B:THR:HB	13	0.15
(2,57)	1:8:A:THR:HB	1:45:B:THR:HB	16	0.15
(2,38)	1:65:B:LYS:H	1:63:B:MET:HG2	2	0.15
(2,31)	1:38:A:GLU:HA	1:34:A:LEU:HA	3	0.15
(2,28)	1:16:B:SER:HA	1:21:B:PHE:H	9	0.15
(2,27)	1:16:A:SER:HA	1:21:A:PHE:H	9	0.15
(2,14)	1:15:B:GLU:HG2	1:14:B:ILE:HA	17	0.15
(2,13)	1:15:A:GLU:HG2	1:14:A:ILE:HA	17	0.15
(1,5786)	1:99:B:VAL:H	1:99:B:VAL:HA	2	0.15
(1,5786)	1:99:B:VAL:H	1:99:B:VAL:HA	8	0.15
(1,5786)	1:99:B:VAL:H	1:99:B:VAL:HA	15	0.15
(1,5786)	1:99:B:VAL:H	1:99:B:VAL:HA	17	0.15
(1,5785)	1:99:A:VAL:H	1:99:A:VAL:HA	2	0.15
(1,5785)	1:99:A:VAL:H	1:99:A:VAL:HA	3	0.15
(1,5785)	1:99:A:VAL:H	1:99:A:VAL:HA	8	0.15
(1,5785)	1:99:A:VAL:H	1:99:A:VAL:HA	17	0.15
(1,5762)	1:13:B:CYS:H	1:17:B:LEU:H	4	0.15
(1,5761)	1:13:A:CYS:H	1:17:A:LEU:H	4	0.15
(1,5678)	1:20:B:VAL:H	1:9:A:GLU:HG2	13	0.15
(1,5677)	1:20:A:VAL:H	1:9:B:GLU:HG2	18	0.15
(1,5558)	1:88:B:ALA:H	1:81:A:LEU:HD12	5	0.15
(1,5558)	1:88:B:ALA:H	1:81:A:LEU:HD11	17	0.15
(1,5557)	1:88:A:ALA:H	1:81:B:LEU:HD12	5	0.15
(1,5540)	1:10:B:THR:H	1:20:A:VAL:HG22	9	0.15
(1,5492)	1:49:B:ALA:H	1:47:B:LEU:HG	3	0.15
(1,5492)	1:49:B:ALA:H	1:47:B:LEU:HG	17	0.15
(1,5491)	1:49:A:ALA:H	1:47:A:LEU:HG	1	0.15
(1,5491)	1:49:A:ALA:H	1:47:A:LEU:HG	4	0.15
(1,5491)	1:49:A:ALA:H	1:47:A:LEU:HG	17	0.15
(1,5490)	1:21:B:PHE:H	1:23:B:LYS:H	17	0.15
(1,5489)	1:21:A:PHE:H	1:23:A:LYS:H	17	0.15
(1,5484)	1:51:B:THR:H	1:47:B:LEU:HB2	19	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5483)	1:51:A:THR:H	1:47:A:LEU:HB2	19	0.15
(1,5458)	1:95:B:PHE:H	1:96:B:LEU:HD22	3	0.15
(1,5456)	1:47:B:LEU:H	1:45:B:THR:HA	9	0.15
(1,5456)	1:47:B:LEU:H	1:44:B:ASN:HA	12	0.15
(1,5455)	1:47:A:LEU:H	1:45:A:THR:HA	9	0.15
(1,5455)	1:47:A:LEU:H	1:44:A:ASN:HA	12	0.15
(1,5412)	1:17:B:LEU:H	1:18:B:ILE:HB	3	0.15
(1,5411)	1:17:A:LEU:H	1:18:A:ILE:HB	3	0.15
(1,5390)	1:23:B:LYS:H	1:23:B:LYS:HE2	7	0.15
(1,5366)	1:92:B:HIS:H	1:89:B:MET:HG3	2	0.15
(1,5366)	1:92:B:HIS:H	1:89:B:MET:HG3	19	0.15
(1,5365)	1:92:A:HIS:H	1:89:A:MET:HG3	2	0.15
(1,5365)	1:92:A:HIS:H	1:89:A:MET:HG3	19	0.15
(1,5284)	1:98:B:ALA:H	1:96:B:LEU:HD23	3	0.15
(1,5283)	1:98:A:ALA:H	1:96:A:LEU:HD23	3	0.15
(1,5121)	1:66:A:LYS:HB2	1:66:A:LYS:HG3	15	0.15
(1,5098)	1:66:B:LYS:HB2	1:66:B:LYS:HA	19	0.15
(1,5097)	1:66:A:LYS:HB2	1:66:A:LYS:HA	19	0.15
(1,5090)	1:52:B:LYS:HG2	1:52:B:LYS:HE3	5	0.15
(1,5089)	1:52:A:LYS:HG2	1:52:A:LYS:HE3	5	0.15
(1,5034)	1:24:B:TYR:HA	1:27:B:LYS:HD2	12	0.15
(1,5034)	1:24:B:TYR:HA	1:27:B:LYS:HD2	17	0.15
(1,5029)	1:65:A:LYS:HG2	1:65:A:LYS:HA	4	0.15
(1,5029)	1:65:A:LYS:HG2	1:65:A:LYS:HA	10	0.15
(1,4962)	1:15:B:GLU:HB2	1:12:B:ARG:HA	8	0.15
(1,4961)	1:15:A:GLU:HB2	1:12:A:ARG:HA	8	0.15
(1,4904)	1:82:B:ASN:HB2	1:66:B:LYS:HE3	2	0.15
(1,4903)	1:82:A:ASN:HB2	1:66:A:LYS:HE3	2	0.15
(1,4897)	1:88:A:ALA:HB2	1:17:B:LEU:HD12	9	0.15
(1,4832)	1:12:B:ARG:HD2	1:9:B:GLU:HA	6	0.15
(1,4824)	1:67:B:LEU:HD11	1:83:B:LEU:HA	9	0.15
(1,4823)	1:67:A:LEU:HD11	1:83:A:LEU:HA	9	0.15
(1,4792)	1:37:B:THR:HA	1:40:B:LEU:HD21	11	0.15
(1,4700)	1:60:B:LEU:HA	1:60:B:LEU:HG	3	0.15
(1,4700)	1:60:B:LEU:HA	1:60:B:LEU:HG	6	0.15
(1,4699)	1:60:A:LEU:HA	1:60:A:LEU:HG	3	0.15
(1,4699)	1:60:A:LEU:HA	1:60:A:LEU:HG	6	0.15
(1,4698)	1:60:B:LEU:HA	1:60:B:LEU:HG	16	0.15
(1,4698)	1:60:B:LEU:HA	1:60:B:LEU:HG	17	0.15
(1,4697)	1:60:A:LEU:HA	1:60:A:LEU:HG	13	0.15
(1,4697)	1:60:A:LEU:HA	1:60:A:LEU:HG	16	0.15
(1,4697)	1:60:A:LEU:HA	1:60:A:LEU:HG	17	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4660)	1:74:B:GLN:HB2	1:72:B:ASP:HA	3	0.15
(1,4659)	1:74:A:GLN:HB2	1:72:A:ASP:HA	3	0.15
(1,4649)	1:63:A:MET:HB2	1:67:A:LEU:HD12	19	0.15
(1,4638)	1:64:B:MET:HA	1:64:B:MET:HG3	15	0.15
(1,4604)	1:47:B:LEU:HD11	1:42:B:PHE:HA	14	0.15
(1,4603)	1:47:A:LEU:HD11	1:42:A:PHE:HA	14	0.15
(1,4589)	1:88:A:ALA:HB3	1:14:B:ILE:HA	13	0.15
(1,4558)	1:63:B:MET:HG2	1:60:B:LEU:HD21	8	0.15
(1,4554)	1:99:B:VAL:H	1:99:B:VAL:HB	11	0.15
(1,4554)	1:99:B:VAL:H	1:99:B:VAL:HB	18	0.15
(1,4553)	1:99:A:VAL:H	1:99:A:VAL:HB	11	0.15
(1,4553)	1:99:A:VAL:H	1:99:A:VAL:HB	18	0.15
(1,4552)	1:83:B:LEU:HD13	1:64:B:MET:H	10	0.15
(1,4552)	1:83:B:LEU:HD11	1:64:B:MET:H	14	0.15
(1,4551)	1:83:A:LEU:HD11	1:64:A:MET:H	14	0.15
(1,4504)	1:24:B:TYR:H	1:34:B:LEU:HD12	6	0.15
(1,4503)	1:24:A:TYR:H	1:34:A:LEU:HD12	6	0.15
(1,4476)	1:96:B:LEU:HD11	1:93:B:ASP:HA	16	0.15
(1,4475)	1:96:A:LEU:HD11	1:93:A:ASP:HA	16	0.15
(1,4470)	1:33:B:THR:HG22	1:79:B:GLU:H	16	0.15
(1,4469)	1:33:A:THR:HG22	1:79:A:GLU:H	16	0.15
(1,4424)	1:40:B:LEU:HG	1:36:B:LYS:HA	18	0.15
(1,4423)	1:40:A:LEU:HG	1:36:A:LYS:HA	18	0.15
(1,4416)	1:13:B:CYS:H	1:12:B:ARG:HB2	3	0.15
(1,4416)	1:13:B:CYS:H	1:12:B:ARG:HB2	5	0.15
(1,4415)	1:13:A:CYS:H	1:12:A:ARG:HB2	3	0.15
(1,4415)	1:13:A:CYS:H	1:12:A:ARG:HB2	5	0.15
(1,4348)	1:82:B:ASN:HB2	1:66:B:LYS:HE3	2	0.15
(1,4347)	1:82:A:ASN:HB2	1:66:A:LYS:HE3	2	0.15
(1,4343)	1:83:A:LEU:HD12	1:87:A:LEU:H	3	0.15
(1,4312)	1:21:B:PHE:HB2	1:22:B:GLN:HB2	15	0.15
(1,4311)	1:21:A:PHE:HB2	1:22:A:GLN:HB2	15	0.15
(1,4268)	1:13:B:CYS:HB2	1:14:B:ILE:HB	1	0.15
(1,4267)	1:13:A:CYS:HB2	1:14:A:ILE:HB	1	0.15
(1,4267)	1:13:A:CYS:HB2	1:14:A:ILE:HB	7	0.15
(1,4224)	1:48:B:ALA:HA	1:60:B:LEU:HD23	5	0.15
(1,4174)	1:67:B:LEU:HD22	1:64:B:MET:HA	9	0.15
(1,4173)	1:67:A:LEU:HD22	1:64:A:MET:HA	9	0.15
(1,4147)	1:65:A:LYS:HB2	1:61:A:ASP:HB3	17	0.15
(1,4143)	1:58:A:GLY:HA3	1:61:A:ASP:HB3	6	0.15
(1,4099)	1:13:A:CYS:HA	1:9:B:GLU:HG3	9	0.15
(1,4076)	1:28:B:ASP:HA	1:27:B:LYS:HB3	2	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4076)	1:53:B:ASN:HA	1:52:B:LYS:HB2	7	0.15
(1,4075)	1:53:A:ASN:HA	1:52:A:LYS:HB2	7	0.15
(1,4070)	1:18:B:ILE:H	1:18:B:ILE:HG22	3	0.15
(1,4070)	1:18:B:ILE:H	1:18:B:ILE:HG21	11	0.15
(1,4070)	1:18:B:ILE:H	1:18:B:ILE:HG21	15	0.15
(1,4069)	1:18:A:ILE:H	1:18:A:ILE:HG22	3	0.15
(1,4069)	1:18:A:ILE:H	1:18:A:ILE:HG21	11	0.15
(1,4069)	1:18:A:ILE:H	1:18:A:ILE:HG21	15	0.15
(1,4060)	1:97:B:LYS:HG2	1:98:B:ALA:H	14	0.15
(1,4059)	1:97:A:LYS:HG2	1:98:A:ALA:H	14	0.15
(1,4046)	1:11:B:GLU:HB2	1:10:B:THR:HG21	19	0.15
(1,4045)	1:11:A:GLU:HB2	1:10:A:THR:HG21	19	0.15
(1,4034)	1:49:B:ALA:HA	1:53:B:ASN:H	11	0.15
(1,4030)	1:73:B:GLY:HA3	1:36:B:LYS:HD2	18	0.15
(1,4029)	1:73:A:GLY:HA3	1:36:A:LYS:HD2	18	0.15
(1,4029)	1:73:A:GLY:HA3	1:36:A:LYS:HD3	20	0.15
(1,4013)	1:66:A:LYS:H	1:66:A:LYS:HD3	13	0.15
(1,4006)	1:28:B:ASP:HA	1:27:B:LYS:HB2	2	0.15
(1,4006)	1:28:B:ASP:HA	1:27:B:LYS:HB2	14	0.15
(1,3998)	1:51:B:THR:HG21	1:44:B:ASN:HB3	6	0.15
(1,3997)	1:51:A:THR:HG21	1:44:A:ASN:HB3	6	0.15
(1,3980)	1:82:B:ASN:HA	1:67:B:LEU:HB3	8	0.15
(1,3979)	1:82:A:ASN:HA	1:67:A:LEU:HB3	8	0.15
(1,3957)	1:17:A:LEU:HG	1:16:A:SER:HB3	14	0.15
(1,3936)	1:82:B:ASN:HB3	1:83:B:LEU:HB3	3	0.15
(1,3935)	1:82:A:ASN:HB3	1:83:A:LEU:HB3	3	0.15
(1,3933)	1:34:A:LEU:HA	1:35:A:SER:HB3	8	0.15
(1,3915)	1:10:A:THR:HB	1:47:B:LEU:HD23	3	0.15
(1,3915)	1:10:A:THR:HB	1:47:B:LEU:HD21	9	0.15
(1,3902)	1:76:B:ASP:HA	1:34:B:LEU:HB2	10	0.15
(1,3880)	1:69:B:THR:HB	1:82:B:ASN:HB3	1	0.15
(1,3880)	1:69:B:THR:HB	1:82:B:ASN:HB3	6	0.15
(1,3879)	1:69:A:THR:HB	1:82:A:ASN:HB3	1	0.15
(1,3876)	1:33:B:THR:HG22	1:79:B:GLU:H	16	0.15
(1,3875)	1:33:A:THR:HG22	1:79:A:GLU:H	16	0.15
(1,3864)	1:74:B:GLN:HG3	1:75:B:LEU:HD21	20	0.15
(1,3858)	1:47:B:LEU:HA	1:50:B:PHE:HA	8	0.15
(1,3858)	1:47:B:LEU:HA	1:50:B:PHE:HA	10	0.15
(1,3857)	1:47:A:LEU:HA	1:50:A:PHE:HA	10	0.15
(1,3844)	1:17:B:LEU:HB3	1:14:B:ILE:HA	17	0.15
(1,3844)	1:17:B:LEU:HB3	1:14:B:ILE:HA	18	0.15
(1,3843)	1:17:A:LEU:HB3	1:14:A:ILE:HA	17	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3843)	1:17:A:LEU:HB3	1:14:A:ILE:HA	18	0.15
(1,3842)	1:89:B:MET:HG3	1:86:B:GLY:H	9	0.15
(1,3841)	1:89:A:MET:HG3	1:86:A:GLY:H	9	0.15
(1,3790)	1:91:B:CYS:HA	1:18:A:ILE:HG21	13	0.15
(1,3789)	1:91:A:CYS:HA	1:18:B:ILE:HG21	13	0.15
(1,3707)	1:49:A:ALA:HB2	1:11:B:GLU:HG3	16	0.15
(1,3652)	1:47:B:LEU:HD21	1:10:A:THR:H	5	0.15
(1,3652)	1:47:B:LEU:HD21	1:10:A:THR:H	13	0.15
(1,3651)	1:47:A:LEU:HD21	1:10:B:THR:H	5	0.15
(1,3643)	1:47:A:LEU:HB2	1:44:A:ASN:HA	1	0.15
(1,3604)	1:14:B:ILE:HB	1:91:A:CYS:HB2	20	0.15
(1,3603)	1:14:A:ILE:HB	1:91:B:CYS:HB2	20	0.15
(1,3588)	1:76:B:ASP:HB2	1:77:B:PHE:HB3	3	0.15
(1,3587)	1:76:A:ASP:HB2	1:77:A:PHE:HB3	3	0.15
(1,3572)	1:58:B:GLY:HA2	1:59:B:VAL:HG13	18	0.15
(1,3571)	1:58:A:GLY:HA2	1:59:A:VAL:HG13	15	0.15
(1,3571)	1:58:A:GLY:HA2	1:59:A:VAL:HG13	18	0.15
(1,3566)	1:87:B:LEU:HB3	1:89:B:MET:H	6	0.15
(1,3565)	1:87:A:LEU:HB3	1:89:A:MET:H	6	0.15
(1,3539)	1:73:A:GLY:HA3	1:68:A:ASP:HB2	14	0.15
(1,3530)	1:34:B:LEU:HB2	1:39:B:PHE:HA	8	0.15
(1,3529)	1:34:A:LEU:HB2	1:39:A:PHE:HA	8	0.15
(1,3460)	1:80:B:PHE:HA	1:75:B:LEU:HA	9	0.15
(1,3454)	1:81:B:LEU:HB2	1:77:B:PHE:HB2	13	0.15
(1,3454)	1:81:B:LEU:HB2	1:77:B:PHE:HB2	19	0.15
(1,3453)	1:81:A:LEU:HB2	1:77:A:PHE:HB2	13	0.15
(1,3453)	1:81:A:LEU:HB2	1:77:A:PHE:HB2	19	0.15
(1,3433)	1:42:A:PHE:HA	1:46:A:GLU:HA	17	0.15
(1,3387)	1:17:A:LEU:HD22	1:88:B:ALA:HB2	6	0.15
(1,3379)	1:20:A:VAL:HG13	1:12:B:ARG:HG3	5	0.15
(1,3378)	1:8:B:THR:HG21	1:48:A:ALA:HA	5	0.15
(1,3106)	1:37:B:THR:H	1:36:B:LYS:HG2	8	0.15
(1,3092)	1:75:B:LEU:H	1:75:B:LEU:HB3	10	0.15
(1,3092)	1:75:B:LEU:H	1:75:B:LEU:HB3	20	0.15
(1,3091)	1:75:A:LEU:H	1:75:A:LEU:HB3	10	0.15
(1,3091)	1:75:A:LEU:H	1:75:A:LEU:HB3	16	0.15
(1,3091)	1:75:A:LEU:H	1:75:A:LEU:HB3	20	0.15
(1,3055)	1:94:A:SER:H	1:93:A:ASP:HB2	13	0.15
(1,3055)	1:94:A:SER:H	1:93:A:ASP:HB2	20	0.15
(1,2754)	1:38:B:GLU:H	1:34:B:LEU:HD21	7	0.15
(1,2754)	1:38:B:GLU:H	1:34:B:LEU:HD22	8	0.15
(1,2753)	1:38:A:GLU:H	1:34:A:LEU:HD21	7	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2753)	1:38:A:GLU:H	1:34:A:LEU:HD22	8	0.15
(1,2726)	1:77:B:PHE:H	1:33:B:THR:HG22	8	0.15
(1,2725)	1:77:A:PHE:H	1:33:A:THR:HG22	8	0.15
(1,2702)	1:74:B:GLN:H	1:33:B:THR:HG23	16	0.15
(1,2673)	1:92:A:HIS:H	1:14:B:ILE:HG22	6	0.15
(1,2630)	1:69:B:THR:H	1:67:B:LEU:HB2	15	0.15
(1,2626)	1:86:B:GLY:H	1:89:B:MET:HB2	1	0.15
(1,2626)	1:86:B:GLY:H	1:89:B:MET:HB2	12	0.15
(1,2625)	1:86:A:GLY:H	1:89:A:MET:HB2	1	0.15
(1,2625)	1:86:A:GLY:H	1:89:A:MET:HB2	4	0.15
(1,2625)	1:86:A:GLY:H	1:89:A:MET:HB2	12	0.15
(1,2553)	1:38:A:GLU:H	1:40:A:LEU:HD21	20	0.15
(1,2490)	1:38:B:GLU:H	1:34:B:LEU:HA	18	0.15
(1,2489)	1:38:A:GLU:H	1:34:A:LEU:HA	18	0.15
(1,2357)	1:10:A:THR:HG22	1:10:A:THR:HG23	2	0.15
(1,2356)	1:9:B:GLU:HG2	1:9:B:GLU:HG3	6	0.15
(1,2356)	1:9:B:GLU:HG2	1:9:B:GLU:HG3	14	0.15
(1,2356)	1:9:B:GLU:HG2	1:9:B:GLU:HG3	16	0.15
(1,2356)	1:9:B:GLU:HG2	1:9:B:GLU:HG3	20	0.15
(1,2355)	1:9:A:GLU:HG2	1:9:A:GLU:HG3	6	0.15
(1,2355)	1:9:A:GLU:HG2	1:9:A:GLU:HG3	14	0.15
(1,2355)	1:9:A:GLU:HG2	1:9:A:GLU:HG3	16	0.15
(1,2355)	1:9:A:GLU:HG2	1:9:A:GLU:HG3	20	0.15
(1,2354)	1:12:B:ARG:HD2	1:12:B:ARG:HD3	1	0.15
(1,2354)	1:12:B:ARG:HD2	1:12:B:ARG:HD3	3	0.15
(1,2354)	1:12:B:ARG:HD2	1:12:B:ARG:HD3	4	0.15
(1,2354)	1:12:B:ARG:HD2	1:12:B:ARG:HD3	5	0.15
(1,2354)	1:12:B:ARG:HD2	1:12:B:ARG:HD3	6	0.15
(1,2354)	1:12:B:ARG:HD2	1:12:B:ARG:HD3	7	0.15
(1,2354)	1:12:B:ARG:HD2	1:12:B:ARG:HD3	8	0.15
(1,2354)	1:12:B:ARG:HD2	1:12:B:ARG:HD3	9	0.15
(1,2354)	1:12:B:ARG:HD2	1:12:B:ARG:HD3	11	0.15
(1,2354)	1:12:B:ARG:HD2	1:12:B:ARG:HD3	12	0.15
(1,2354)	1:12:B:ARG:HD2	1:12:B:ARG:HD3	13	0.15
(1,2354)	1:12:B:ARG:HD2	1:12:B:ARG:HD3	14	0.15
(1,2354)	1:12:B:ARG:HD2	1:12:B:ARG:HD3	16	0.15
(1,2354)	1:12:B:ARG:HD2	1:12:B:ARG:HD3	18	0.15
(1,2353)	1:12:A:ARG:HD2	1:12:A:ARG:HD3	1	0.15
(1,2353)	1:12:A:ARG:HD2	1:12:A:ARG:HD3	3	0.15
(1,2353)	1:12:A:ARG:HD2	1:12:A:ARG:HD3	4	0.15
(1,2353)	1:12:A:ARG:HD2	1:12:A:ARG:HD3	5	0.15
(1,2353)	1:12:A:ARG:HD2	1:12:A:ARG:HD3	6	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2353)	1:12:A:ARG:HD2	1:12:A:ARG:HD3	7	0.15
(1,2353)	1:12:A:ARG:HD2	1:12:A:ARG:HD3	8	0.15
(1,2353)	1:12:A:ARG:HD2	1:12:A:ARG:HD3	9	0.15
(1,2353)	1:12:A:ARG:HD2	1:12:A:ARG:HD3	10	0.15
(1,2353)	1:12:A:ARG:HD2	1:12:A:ARG:HD3	12	0.15
(1,2353)	1:12:A:ARG:HD2	1:12:A:ARG:HD3	13	0.15
(1,2353)	1:12:A:ARG:HD2	1:12:A:ARG:HD3	14	0.15
(1,2353)	1:12:A:ARG:HD2	1:12:A:ARG:HD3	15	0.15
(1,2353)	1:12:A:ARG:HD2	1:12:A:ARG:HD3	16	0.15
(1,2353)	1:12:A:ARG:HD2	1:12:A:ARG:HD3	18	0.15
(1,2162)	1:9:B:GLU:HA	1:9:B:GLU:HG3	3	0.15
(1,2161)	1:9:A:GLU:HA	1:9:A:GLU:HG3	11	0.15
(1,2032)	1:40:B:LEU:HD12	1:36:B:LYS:HE2	1	0.15
(1,2032)	1:40:B:LEU:HD12	1:36:B:LYS:HE2	15	0.15
(1,2031)	1:40:A:LEU:HD12	1:36:A:LYS:HE2	1	0.15
(1,2022)	1:36:B:LYS:HG3	1:36:B:LYS:HA	12	0.15
(1,2022)	1:36:B:LYS:HG3	1:36:B:LYS:HA	20	0.15
(1,2021)	1:36:A:LYS:HG3	1:36:A:LYS:HA	12	0.15
(1,2021)	1:36:A:LYS:HG3	1:36:A:LYS:HA	20	0.15
(1,1944)	1:42:B:PHE:HA	1:27:B:LYS:HE3	11	0.15
(1,1943)	1:42:A:PHE:HA	1:27:A:LYS:HE3	11	0.15
(1,1828)	1:57:B:PRO:HD3	1:57:B:PRO:HA	14	0.15
(1,1827)	1:57:A:PRO:HD3	1:57:A:PRO:HA	13	0.15
(1,1827)	1:57:A:PRO:HD3	1:57:A:PRO:HA	14	0.15
(1,1799)	1:66:A:LYS:HE2	1:63:A:MET:HG3	20	0.15
(1,1796)	1:63:B:MET:HG3	1:60:B:LEU:HD22	3	0.15
(1,1795)	1:63:A:MET:HG3	1:60:A:LEU:HD22	3	0.15
(1,1752)	1:64:B:MET:HA	1:67:B:LEU:HD12	5	0.15
(1,1751)	1:64:A:MET:HA	1:67:A:LEU:HD12	5	0.15
(1,1740)	1:23:B:LYS:HE2	1:8:A:THR:HB	16	0.15
(1,1739)	1:23:A:LYS:HE2	1:8:B:THR:HB	16	0.15
(1,1696)	1:75:B:LEU:HA	1:33:B:THR:HG22	15	0.15
(1,1695)	1:75:A:LEU:HA	1:33:A:THR:HG22	15	0.15
(1,1684)	1:96:B:LEU:HD22	1:93:B:ASP:HA	3	0.15
(1,1684)	1:96:B:LEU:HD22	1:93:B:ASP:HA	7	0.15
(1,1683)	1:96:A:LEU:HD22	1:93:A:ASP:HA	3	0.15
(1,1683)	1:96:A:LEU:HD22	1:93:A:ASP:HA	7	0.15
(1,1632)	1:60:B:LEU:H	1:59:B:VAL:HG22	6	0.15
(1,1632)	1:60:B:LEU:H	1:59:B:VAL:HG22	7	0.15
(1,1631)	1:60:A:LEU:H	1:59:A:VAL:HG22	7	0.15
(1,1624)	1:67:B:LEU:H	1:67:B:LEU:HD11	3	0.15
(1,1624)	1:67:B:LEU:H	1:67:B:LEU:HD11	13	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1623)	1:67:A:LEU:H	1:67:A:LEU:HD11	3	0.15
(1,1623)	1:67:A:LEU:H	1:67:A:LEU:HD11	13	0.15
(1,1608)	1:47:B:LEU:HB2	1:50:B:PHE:HB2	9	0.15
(1,1607)	1:47:A:LEU:HB2	1:50:A:PHE:HB2	9	0.15
(1,1600)	1:13:B:CYS:HB2	1:17:A:LEU:HD21	18	0.15
(1,1599)	1:13:A:CYS:HB2	1:17:B:LEU:HD21	18	0.15
(1,1524)	1:52:B:LYS:HG2	1:51:B:THR:HG23	13	0.15
(1,1523)	1:52:A:LYS:HG2	1:51:A:THR:HG23	13	0.15
(1,1432)	1:17:B:LEU:H	1:17:B:LEU:HD11	11	0.15
(1,1432)	1:17:B:LEU:H	1:17:B:LEU:HD13	19	0.15
(1,1431)	1:17:A:LEU:H	1:17:A:LEU:HD11	11	0.15
(1,1431)	1:17:A:LEU:H	1:17:A:LEU:HD13	19	0.15
(1,1377)	1:49:A:ALA:HB2	1:50:A:PHE:HB2	16	0.15
(1,1330)	1:48:B:ALA:H	1:43:B:MET:HB3	9	0.15
(1,1329)	1:48:A:ALA:H	1:43:A:MET:HB3	19	0.15
(1,1289)	1:36:A:LYS:HA	1:64:A:MET:HG2	15	0.15
(1,1134)	1:33:B:THR:HB	1:74:B:GLN:HG3	4	0.15
(1,1133)	1:33:A:THR:HB	1:74:A:GLN:HG3	4	0.15
(1,1088)	1:84:B:ILE:H	1:81:B:LEU:HD22	17	0.15
(1,1087)	1:84:A:ILE:H	1:81:A:LEU:HD22	17	0.15
(1,1030)	1:38:B:GLU:HB3	1:24:B:TYR:HB2	15	0.15
(1,1029)	1:38:A:GLU:HB3	1:24:A:TYR:HB2	15	0.15
(1,988)	1:87:B:LEU:HB2	1:86:B:GLY:H	9	0.15
(1,988)	1:87:B:LEU:HB2	1:86:B:GLY:H	11	0.15
(1,988)	1:87:B:LEU:HB2	1:86:B:GLY:H	19	0.15
(1,987)	1:87:A:LEU:HB2	1:86:A:GLY:H	9	0.15
(1,987)	1:87:A:LEU:HB2	1:86:A:GLY:H	11	0.15
(1,987)	1:87:A:LEU:HB2	1:86:A:GLY:H	16	0.15
(1,987)	1:87:A:LEU:HB2	1:86:A:GLY:H	19	0.15
(1,950)	1:94:B:SER:HB2	1:91:B:CYS:HB3	17	0.15
(1,949)	1:94:A:SER:HB2	1:91:A:CYS:HB3	17	0.15
(1,834)	1:96:B:LEU:H	1:96:B:LEU:HD11	12	0.15
(1,833)	1:96:A:LEU:H	1:96:A:LEU:HD11	12	0.15
(1,708)	1:67:B:LEU:HB2	1:66:B:LYS:HB3	1	0.15
(1,708)	1:67:B:LEU:HB2	1:66:B:LYS:HB3	16	0.15
(1,707)	1:67:A:LEU:HB2	1:66:A:LYS:HB3	1	0.15
(1,707)	1:67:A:LEU:HB2	1:66:A:LYS:HB3	8	0.15
(1,690)	1:17:B:LEU:HG	1:81:B:LEU:HD23	9	0.15
(1,689)	1:17:A:LEU:HG	1:81:A:LEU:HD23	9	0.15
(1,689)	1:17:A:LEU:HG	1:81:A:LEU:HD22	20	0.15
(1,686)	1:84:B:ILE:HB	1:83:B:LEU:HG	12	0.15
(1,686)	1:84:B:ILE:HB	1:83:B:LEU:HG	19	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,685)	1:84:A:ILE:HB	1:83:A:LEU:HG	12	0.15
(1,685)	1:84:A:ILE:HB	1:83:A:LEU:HG	19	0.15
(1,628)	1:89:B:MET:HG2	1:81:A:LEU:HG	8	0.15
(1,627)	1:89:A:MET:HG2	1:81:B:LEU:HG	8	0.15
(1,621)	1:63:A:MET:H	1:62:A:ARG:HG2	11	0.15
(1,610)	1:63:B:MET:H	1:62:B:ARG:HG2	8	0.15
(1,610)	1:63:B:MET:H	1:62:B:ARG:HG2	17	0.15
(1,609)	1:63:A:MET:H	1:62:A:ARG:HG2	8	0.15
(1,382)	1:11:B:GLU:HG2	1:10:B:THR:H	5	0.15
(1,325)	1:96:A:LEU:HG	1:95:A:PHE:HB3	2	0.15
(1,268)	1:75:B:LEU:HB3	1:39:B:PHE:HB3	15	0.15
(1,254)	1:57:B:PRO:HD3	1:59:B:VAL:HG12	1	0.15
(1,254)	1:57:B:PRO:HD3	1:59:B:VAL:HG11	6	0.15
(1,253)	1:57:A:PRO:HD3	1:59:A:VAL:HG11	6	0.15
(1,192)	1:67:B:LEU:HB2	1:63:B:MET:HB2	1	0.15
(1,191)	1:67:A:LEU:HB2	1:63:A:MET:HB2	1	0.15
(1,148)	1:18:B:ILE:HG23	1:92:A:HIS:H	19	0.15
(1,136)	1:89:B:MET:HG2	1:85:B:GLY:HA3	9	0.15
(1,136)	1:89:B:MET:HG2	1:85:B:GLY:HA3	13	0.15
(1,136)	1:89:B:MET:HG2	1:85:B:GLY:HA3	17	0.15
(1,135)	1:89:A:MET:HG2	1:85:A:GLY:HA3	13	0.15
(1,135)	1:89:A:MET:HG2	1:85:A:GLY:HA3	17	0.15
(1,126)	1:23:B:LYS:H	1:25:B:ALA:HB1	18	0.15
(1,98)	1:9:B:GLU:HB3	1:20:A:VAL:HB	2	0.15
(1,97)	1:9:A:GLU:HB3	1:20:B:VAL:HB	2	0.15
(1,97)	1:9:A:GLU:HB3	1:20:B:VAL:HB	3	0.15
(1,97)	1:9:A:GLU:HB3	1:20:B:VAL:HB	10	0.15
(1,97)	1:9:A:GLU:HB3	1:20:B:VAL:HB	11	0.15
(1,86)	1:9:B:GLU:HB3	1:20:A:VAL:HB	5	0.15
(1,86)	1:9:B:GLU:HB3	1:20:A:VAL:HB	6	0.15
(1,86)	1:9:B:GLU:HB3	1:20:A:VAL:HB	13	0.15
(1,86)	1:9:B:GLU:HB3	1:20:A:VAL:HB	16	0.15
(1,85)	1:9:A:GLU:HB3	1:20:B:VAL:HB	5	0.15
(1,85)	1:9:A:GLU:HB3	1:20:B:VAL:HB	6	0.15
(1,50)	1:20:B:VAL:HG13	1:9:A:GLU:HG2	7	0.15
(1,41)	1:81:A:LEU:HD23	1:88:B:ALA:HB3	15	0.15
(1,19)	1:18:A:ILE:HG22	1:91:B:CYS:HB3	16	0.15
(3,107)	1:92:B:HIS:N	1:88:B:ALA:O	3	0.14
(3,87)	1:46:B:GLU:N	1:42:B:PHE:O	4	0.14
(3,87)	1:46:B:GLU:N	1:42:B:PHE:O	6	0.14
(3,87)	1:46:B:GLU:N	1:42:B:PHE:O	7	0.14
(3,87)	1:46:B:GLU:N	1:42:B:PHE:O	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,49)	1:92:A:HIS:N	1:88:A:ALA:O	3	0.14
(3,49)	1:92:A:HIS:N	1:88:A:ALA:O	20	0.14
(3,29)	1:46:A:GLU:N	1:42:A:PHE:O	4	0.14
(3,29)	1:46:A:GLU:N	1:42:A:PHE:O	7	0.14
(3,29)	1:46:A:GLU:N	1:42:A:PHE:O	11	0.14
(2,122)	1:76:B:ASP:HB3	1:68:B:ASP:HA	5	0.14
(2,122)	1:76:B:ASP:HB3	1:68:B:ASP:HA	7	0.14
(2,121)	1:76:A:ASP:HB3	1:68:A:ASP:HA	5	0.14
(2,121)	1:76:A:ASP:HB3	1:68:A:ASP:HA	7	0.14
(2,92)	1:44:B:ASN:HB3	1:47:B:LEU:H	16	0.14
(2,91)	1:44:A:ASN:HB3	1:47:A:LEU:H	3	0.14
(2,91)	1:44:A:ASN:HB3	1:47:A:LEU:H	16	0.14
(2,78)	1:61:B:ASP:HA	1:59:B:VAL:HA	19	0.14
(2,77)	1:61:A:ASP:HA	1:59:A:VAL:HA	19	0.14
(2,58)	1:8:B:THR:HB	1:45:A:THR:HB	11	0.14
(2,58)	1:8:B:THR:HB	1:45:A:THR:HB	13	0.14
(2,57)	1:8:A:THR:HB	1:45:B:THR:HB	11	0.14
(2,38)	1:65:B:LYS:H	1:63:B:MET:HG2	14	0.14
(2,37)	1:65:A:LYS:H	1:63:A:MET:HG2	2	0.14
(2,37)	1:65:A:LYS:H	1:63:A:MET:HG2	14	0.14
(2,32)	1:38:B:GLU:HA	1:34:B:LEU:HA	3	0.14
(2,28)	1:16:B:SER:HA	1:21:B:PHE:H	4	0.14
(2,27)	1:16:A:SER:HA	1:21:A:PHE:H	4	0.14
(1,5785)	1:99:A:VAL:H	1:99:A:VAL:HA	15	0.14
(1,5624)	1:84:B:ILE:H	1:87:B:LEU:HD13	5	0.14
(1,5623)	1:84:A:ILE:H	1:87:A:LEU:HD13	5	0.14
(1,5602)	1:84:B:ILE:H	1:87:B:LEU:HD13	1	0.14
(1,5601)	1:84:A:ILE:H	1:87:A:LEU:HD13	1	0.14
(1,5512)	1:42:B:PHE:H	1:46:B:GLU:HB2	12	0.14
(1,5511)	1:42:A:PHE:H	1:46:A:GLU:HB2	12	0.14
(1,5492)	1:49:B:ALA:H	1:47:B:LEU:HG	1	0.14
(1,5491)	1:49:A:ALA:H	1:47:A:LEU:HG	3	0.14
(1,5414)	1:35:B:SER:H	1:39:B:PHE:H	2	0.14
(1,5413)	1:35:A:SER:H	1:39:A:PHE:H	2	0.14
(1,5400)	1:90:B:ALA:H	1:89:B:MET:HG2	10	0.14
(1,5399)	1:90:A:ALA:H	1:89:A:MET:HG2	10	0.14
(1,5390)	1:23:B:LYS:H	1:23:B:LYS:HE2	9	0.14
(1,5389)	1:23:A:LYS:H	1:23:A:LYS:HE2	9	0.14
(1,5352)	1:41:B:SER:H	1:42:B:PHE:HB2	17	0.14
(1,5351)	1:41:A:SER:H	1:42:A:PHE:HB2	17	0.14
(1,5164)	1:62:B:ARG:HB2	1:62:B:ARG:HB3	1	0.14
(1,5164)	1:62:B:ARG:HB2	1:62:B:ARG:HB3	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5164)	1:62:B:ARG:HB2	1:62:B:ARG:HB3	3	0.14
(1,5164)	1:62:B:ARG:HB2	1:62:B:ARG:HB3	4	0.14
(1,5164)	1:62:B:ARG:HB2	1:62:B:ARG:HB3	5	0.14
(1,5164)	1:14:B:ILE:HG12	1:14:B:ILE:HG13	6	0.14
(1,5164)	1:62:B:ARG:HB2	1:62:B:ARG:HB3	7	0.14
(1,5164)	1:62:B:ARG:HB2	1:62:B:ARG:HB3	8	0.14
(1,5164)	1:62:B:ARG:HB2	1:62:B:ARG:HB3	9	0.14
(1,5164)	1:62:B:ARG:HB2	1:62:B:ARG:HB3	10	0.14
(1,5164)	1:62:B:ARG:HB2	1:62:B:ARG:HB3	11	0.14
(1,5164)	1:62:B:ARG:HB2	1:62:B:ARG:HB3	12	0.14
(1,5164)	1:62:B:ARG:HB2	1:62:B:ARG:HB3	14	0.14
(1,5164)	1:62:B:ARG:HB2	1:62:B:ARG:HB3	15	0.14
(1,5164)	1:62:B:ARG:HB2	1:62:B:ARG:HB3	16	0.14
(1,5164)	1:62:B:ARG:HB2	1:62:B:ARG:HB3	17	0.14
(1,5164)	1:62:B:ARG:HB2	1:62:B:ARG:HB3	18	0.14
(1,5164)	1:62:B:ARG:HB2	1:62:B:ARG:HB3	19	0.14
(1,5163)	1:62:A:ARG:HB2	1:62:A:ARG:HB3	1	0.14
(1,5163)	1:62:A:ARG:HB2	1:62:A:ARG:HB3	2	0.14
(1,5163)	1:62:A:ARG:HB2	1:62:A:ARG:HB3	3	0.14
(1,5163)	1:62:A:ARG:HB2	1:62:A:ARG:HB3	4	0.14
(1,5163)	1:62:A:ARG:HB2	1:62:A:ARG:HB3	5	0.14
(1,5163)	1:14:A:ILE:HG12	1:14:A:ILE:HG13	6	0.14
(1,5163)	1:62:A:ARG:HB2	1:62:A:ARG:HB3	7	0.14
(1,5163)	1:62:A:ARG:HB2	1:62:A:ARG:HB3	8	0.14
(1,5163)	1:62:A:ARG:HB2	1:62:A:ARG:HB3	9	0.14
(1,5163)	1:62:A:ARG:HB2	1:62:A:ARG:HB3	10	0.14
(1,5163)	1:62:A:ARG:HB2	1:62:A:ARG:HB3	11	0.14
(1,5163)	1:62:A:ARG:HB2	1:62:A:ARG:HB3	12	0.14
(1,5163)	1:62:A:ARG:HB2	1:62:A:ARG:HB3	14	0.14
(1,5163)	1:62:A:ARG:HB2	1:62:A:ARG:HB3	15	0.14
(1,5163)	1:62:A:ARG:HB2	1:62:A:ARG:HB3	16	0.14
(1,5163)	1:62:A:ARG:HB2	1:62:A:ARG:HB3	19	0.14
(1,5122)	1:66:B:LYS:HB2	1:66:B:LYS:HG3	15	0.14
(1,5120)	1:60:B:LEU:HB2	1:40:B:LEU:HD23	16	0.14
(1,5119)	1:60:A:LEU:HB2	1:40:A:LEU:HD23	16	0.14
(1,5102)	1:37:B:THR:HA	1:37:B:THR:HG23	20	0.14
(1,5101)	1:37:A:THR:HA	1:37:A:THR:HG23	20	0.14
(1,5090)	1:52:B:LYS:HG2	1:52:B:LYS:HE2	15	0.14
(1,5089)	1:52:A:LYS:HG2	1:52:A:LYS:HE2	15	0.14
(1,5033)	1:24:A:TYR:HA	1:27:A:LYS:HD2	12	0.14
(1,5030)	1:65:B:LYS:HG2	1:65:B:LYS:HA	10	0.14
(1,4962)	1:15:B:GLU:HB2	1:12:B:ARG:HA	17	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4961)	1:15:A:GLU:HB2	1:12:A:ARG:HA	17	0.14
(1,4938)	1:10:B:THR:HG21	1:87:A:LEU:HD22	13	0.14
(1,4898)	1:88:B:ALA:HB2	1:17:A:LEU:HD12	9	0.14
(1,4897)	1:88:A:ALA:HB3	1:17:B:LEU:HD11	13	0.14
(1,4847)	1:24:A:TYR:HB2	1:39:A:PHE:HB3	10	0.14
(1,4824)	1:67:B:LEU:HD11	1:83:B:LEU:HA	18	0.14
(1,4823)	1:67:A:LEU:HD11	1:83:A:LEU:HA	18	0.14
(1,4792)	1:37:B:THR:HA	1:40:B:LEU:HD22	10	0.14
(1,4718)	1:87:B:LEU:HD21	1:14:A:ILE:HB	6	0.14
(1,4718)	1:87:B:LEU:HD22	1:14:A:ILE:HB	19	0.14
(1,4700)	1:60:B:LEU:HA	1:60:B:LEU:HG	5	0.14
(1,4699)	1:60:A:LEU:HA	1:60:A:LEU:HG	5	0.14
(1,4698)	1:60:B:LEU:HA	1:60:B:LEU:HG	3	0.14
(1,4698)	1:60:B:LEU:HA	1:60:B:LEU:HG	5	0.14
(1,4698)	1:60:B:LEU:HA	1:60:B:LEU:HG	6	0.14
(1,4697)	1:60:A:LEU:HA	1:60:A:LEU:HG	3	0.14
(1,4697)	1:60:A:LEU:HA	1:60:A:LEU:HG	6	0.14
(1,4640)	1:88:B:ALA:HA	1:14:A:ILE:HG12	14	0.14
(1,4637)	1:64:A:MET:HA	1:64:A:MET:HG3	15	0.14
(1,4620)	1:68:B:ASP:HB2	1:65:B:LYS:HA	2	0.14
(1,4619)	1:68:A:ASP:HB2	1:65:A:LYS:HA	2	0.14
(1,4590)	1:88:B:ALA:HB3	1:14:A:ILE:HA	13	0.14
(1,4572)	1:47:B:LEU:HD11	1:39:B:PHE:HA	18	0.14
(1,4571)	1:47:A:LEU:HD11	1:39:A:PHE:HA	18	0.14
(1,4558)	1:63:B:MET:HG2	1:60:B:LEU:HD23	13	0.14
(1,4557)	1:63:A:MET:HG2	1:60:A:LEU:HD23	13	0.14
(1,4554)	1:99:B:VAL:H	1:99:B:VAL:HB	14	0.14
(1,4554)	1:99:B:VAL:H	1:99:B:VAL:HB	16	0.14
(1,4553)	1:99:A:VAL:H	1:99:A:VAL:HB	14	0.14
(1,4553)	1:99:A:VAL:H	1:99:A:VAL:HB	16	0.14
(1,4547)	1:50:A:PHE:HB2	1:47:A:LEU:HD21	15	0.14
(1,4528)	1:49:B:ALA:HB1	1:47:B:LEU:HB2	7	0.14
(1,4528)	1:49:B:ALA:HB2	1:47:B:LEU:HB2	15	0.14
(1,4527)	1:49:A:ALA:HB2	1:47:A:LEU:HB2	15	0.14
(1,4432)	1:12:B:ARG:HD2	1:9:B:GLU:HA	16	0.14
(1,4432)	1:12:B:ARG:HD2	1:9:B:GLU:HA	20	0.14
(1,4431)	1:12:A:ARG:HD2	1:9:A:GLU:HA	16	0.14
(1,4431)	1:12:A:ARG:HD2	1:9:A:GLU:HA	20	0.14
(1,4344)	1:83:B:LEU:HD12	1:87:B:LEU:H	3	0.14
(1,4344)	1:83:B:LEU:HD11	1:87:B:LEU:H	10	0.14
(1,4343)	1:83:A:LEU:HD11	1:87:A:LEU:H	10	0.14
(1,4268)	1:13:B:CYS:HB2	1:14:B:ILE:HB	12	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4267)	1:13:A:CYS:HB2	1:14:A:ILE:HB	12	0.14
(1,4262)	1:63:B:MET:HG2	1:59:B:VAL:HA	6	0.14
(1,4262)	1:63:B:MET:HG2	1:59:B:VAL:HA	8	0.14
(1,4262)	1:63:B:MET:HG2	1:59:B:VAL:HA	12	0.14
(1,4261)	1:63:A:MET:HG2	1:59:A:VAL:HA	6	0.14
(1,4261)	1:63:A:MET:HG2	1:59:A:VAL:HA	8	0.14
(1,4261)	1:63:A:MET:HG2	1:59:A:VAL:HA	12	0.14
(1,4192)	1:61:B:ASP:HB3	1:40:B:LEU:HD21	6	0.14
(1,4191)	1:61:A:ASP:HB3	1:40:A:LEU:HD21	6	0.14
(1,4180)	1:66:B:LYS:HE3	1:63:B:MET:HB3	12	0.14
(1,4179)	1:66:A:LYS:HE3	1:63:A:MET:HB3	12	0.14
(1,4179)	1:66:A:LYS:HE2	1:63:A:MET:HB3	16	0.14
(1,4162)	1:22:B:GLN:HA	1:26:B:GLY:HA3	17	0.14
(1,4161)	1:22:A:GLN:HA	1:26:A:GLY:HA3	17	0.14
(1,4144)	1:58:B:GLY:HA3	1:61:B:ASP:HB3	6	0.14
(1,4140)	1:68:B:ASP:HA	1:67:B:LEU:HB2	9	0.14
(1,4139)	1:68:A:ASP:HA	1:67:A:LEU:HB2	9	0.14
(1,4100)	1:13:B:CYS:HA	1:9:A:GLU:HG3	9	0.14
(1,4100)	1:13:B:CYS:HA	1:9:A:GLU:HG3	12	0.14
(1,4099)	1:13:A:CYS:HA	1:9:B:GLU:HG3	12	0.14
(1,4076)	1:28:B:ASP:HA	1:27:B:LYS:HB3	18	0.14
(1,4075)	1:28:A:ASP:HA	1:27:A:LYS:HB3	2	0.14
(1,4070)	1:18:B:ILE:H	1:18:B:ILE:HG21	1	0.14
(1,4070)	1:18:B:ILE:H	1:18:B:ILE:HG22	2	0.14
(1,4069)	1:18:A:ILE:H	1:18:A:ILE:HG22	2	0.14
(1,4046)	1:11:B:GLU:HB2	1:10:B:THR:HG21	3	0.14
(1,4046)	1:11:B:GLU:HB2	1:10:B:THR:HG22	4	0.14
(1,4045)	1:11:A:GLU:HB2	1:10:A:THR:HG21	3	0.14
(1,4045)	1:11:A:GLU:HB2	1:10:A:THR:HG22	4	0.14
(1,4030)	1:73:B:GLY:HA3	1:36:B:LYS:HD3	20	0.14
(1,4014)	1:66:B:LYS:H	1:66:B:LYS:HD3	13	0.14
(1,4014)	1:98:B:ALA:H	1:97:B:LYS:HD2	18	0.14
(1,4005)	1:28:A:ASP:HA	1:27:A:LYS:HB2	2	0.14
(1,4005)	1:28:A:ASP:HA	1:27:A:LYS:HB2	15	0.14
(1,3958)	1:17:B:LEU:HG	1:16:B:SER:HB3	14	0.14
(1,3950)	1:75:B:LEU:H	1:75:B:LEU:HD12	20	0.14
(1,3949)	1:75:A:LEU:H	1:75:A:LEU:HD12	20	0.14
(1,3890)	1:17:B:LEU:HB2	1:18:B:ILE:HB	4	0.14
(1,3889)	1:17:A:LEU:HB2	1:18:A:ILE:HB	4	0.14
(1,3880)	1:69:B:THR:HB	1:82:B:ASN:HB3	14	0.14
(1,3880)	1:69:B:THR:HB	1:70:B:ASN:HB3	15	0.14
(1,3879)	1:69:A:THR:HB	1:82:A:ASN:HB3	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3879)	1:69:A:THR:HB	1:82:A:ASN:HB3	14	0.14
(1,3858)	1:47:B:LEU:HA	1:44:B:ASN:HA	6	0.14
(1,3857)	1:47:A:LEU:HA	1:44:A:ASN:HA	6	0.14
(1,3856)	1:44:B:ASN:HA	1:43:B:MET:HA	12	0.14
(1,3850)	1:34:B:LEU:HB2	1:39:B:PHE:HB2	4	0.14
(1,3849)	1:34:A:LEU:HB2	1:39:A:PHE:HB2	4	0.14
(1,3842)	1:89:B:MET:HG3	1:86:B:GLY:H	15	0.14
(1,3820)	1:47:B:LEU:HD12	1:43:B:MET:H	1	0.14
(1,3819)	1:47:A:LEU:HD12	1:43:A:MET:H	1	0.14
(1,3708)	1:49:B:ALA:HB2	1:11:A:GLU:HG3	16	0.14
(1,3707)	1:49:A:ALA:HB2	1:11:B:GLU:HG3	15	0.14
(1,3704)	1:39:B:PHE:HB2	1:60:B:LEU:HB3	14	0.14
(1,3703)	1:39:A:PHE:HB2	1:60:A:LEU:HB3	14	0.14
(1,3700)	1:69:B:THR:HB	1:68:B:ASP:HB3	2	0.14
(1,3700)	1:69:B:THR:HB	1:68:B:ASP:HB3	4	0.14
(1,3700)	1:69:B:THR:HB	1:68:B:ASP:HB3	8	0.14
(1,3700)	1:69:B:THR:HB	1:68:B:ASP:HB3	18	0.14
(1,3699)	1:69:A:THR:HB	1:68:A:ASP:HB3	2	0.14
(1,3699)	1:69:A:THR:HB	1:68:A:ASP:HB3	4	0.14
(1,3699)	1:69:A:THR:HB	1:68:A:ASP:HB3	8	0.14
(1,3699)	1:69:A:THR:HB	1:68:A:ASP:HB3	12	0.14
(1,3699)	1:69:A:THR:HB	1:68:A:ASP:HB3	18	0.14
(1,3652)	1:47:B:LEU:HD21	1:10:A:THR:H	12	0.14
(1,3644)	1:47:B:LEU:HB2	1:44:B:ASN:HA	1	0.14
(1,3572)	1:58:B:GLY:HA2	1:59:B:VAL:HG11	13	0.14
(1,3566)	1:87:B:LEU:HB3	1:89:B:MET:H	7	0.14
(1,3565)	1:87:A:LEU:HB3	1:89:A:MET:H	7	0.14
(1,3508)	1:46:B:GLU:HB3	1:45:B:THR:HB	1	0.14
(1,3508)	1:46:B:GLU:HB3	1:45:B:THR:HB	2	0.14
(1,3507)	1:46:A:GLU:HB3	1:45:A:THR:HB	1	0.14
(1,3507)	1:46:A:GLU:HB3	1:45:A:THR:HB	2	0.14
(1,3464)	1:87:B:LEU:HB3	1:50:B:PHE:HB2	15	0.14
(1,3463)	1:87:A:LEU:HB3	1:50:A:PHE:HB2	15	0.14
(1,3460)	1:80:B:PHE:HA	1:75:B:LEU:HA	13	0.14
(1,3460)	1:80:B:PHE:HA	1:75:B:LEU:HA	19	0.14
(1,3459)	1:80:A:PHE:HA	1:75:A:LEU:HA	9	0.14
(1,3459)	1:80:A:PHE:HA	1:75:A:LEU:HA	13	0.14
(1,3459)	1:80:A:PHE:HA	1:75:A:LEU:HA	19	0.14
(1,3440)	1:14:B:ILE:HB	1:13:B:CYS:HA	12	0.14
(1,3439)	1:14:A:ILE:HB	1:13:A:CYS:HA	12	0.14
(1,3434)	1:42:B:PHE:HA	1:46:B:GLU:HA	20	0.14
(1,3433)	1:42:A:PHE:HA	1:46:A:GLU:HA	3	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3433)	1:42:A:PHE:HA	1:46:A:GLU:HA	20	0.14
(1,3411)	1:22:A:GLN:HG3	1:100:B:PRO:HB2	15	0.14
(1,3388)	1:17:B:LEU:HD22	1:88:A:ALA:HB2	6	0.14
(1,3388)	1:17:B:LEU:HD23	1:88:A:ALA:HB1	13	0.14
(1,3387)	1:17:A:LEU:HD23	1:88:B:ALA:HB1	13	0.14
(1,3382)	1:87:B:LEU:HD21	1:14:A:ILE:HB	6	0.14
(1,3382)	1:87:B:LEU:HD22	1:14:A:ILE:HB	19	0.14
(1,3380)	1:20:B:VAL:HG13	1:12:A:ARG:HG3	5	0.14
(1,3372)	1:10:B:THR:HG21	1:87:A:LEU:HD22	13	0.14
(1,3354)	1:84:B:ILE:HG23	1:14:A:ILE:HD13	19	0.14
(1,3170)	1:23:B:LYS:H	1:23:B:LYS:HD3	7	0.14
(1,3169)	1:23:A:LYS:H	1:23:A:LYS:HD3	7	0.14
(1,3166)	1:82:B:ASN:H	1:82:B:ASN:HB3	13	0.14
(1,3166)	1:82:B:ASN:H	1:82:B:ASN:HB3	14	0.14
(1,3165)	1:82:A:ASN:H	1:82:A:ASN:HB3	13	0.14
(1,3165)	1:82:A:ASN:H	1:82:A:ASN:HB3	14	0.14
(1,3165)	1:82:A:ASN:H	1:82:A:ASN:HB3	15	0.14
(1,3105)	1:37:A:THR:H	1:36:A:LYS:HG2	8	0.14
(1,3092)	1:75:B:LEU:H	1:75:B:LEU:HB3	16	0.14
(1,2724)	1:78:B:SER:H	1:81:B:LEU:HD13	2	0.14
(1,2723)	1:78:A:SER:H	1:81:A:LEU:HD13	2	0.14
(1,2716)	1:22:B:GLN:H	1:18:B:ILE:HG23	10	0.14
(1,2716)	1:22:B:GLN:H	1:18:B:ILE:HG22	14	0.14
(1,2716)	1:22:B:GLN:H	1:18:B:ILE:HG23	16	0.14
(1,2715)	1:22:A:GLN:H	1:18:A:ILE:HG23	10	0.14
(1,2715)	1:22:A:GLN:H	1:18:A:ILE:HG22	14	0.14
(1,2715)	1:22:A:GLN:H	1:18:A:ILE:HG23	16	0.14
(1,2701)	1:74:A:GLN:H	1:33:A:THR:HG23	16	0.14
(1,2674)	1:92:B:HIS:H	1:14:A:ILE:HG22	6	0.14
(1,2655)	1:8:A:THR:H	1:11:A:GLU:HA	5	0.14
(1,2626)	1:86:B:GLY:H	1:89:B:MET:HB2	4	0.14
(1,2592)	1:26:B:GLY:H	1:24:B:TYR:HB3	8	0.14
(1,2554)	1:38:B:GLU:H	1:40:B:LEU:HD21	20	0.14
(1,2297)	1:52:A:LYS:HA	1:52:A:LYS:HB3	10	0.14
(1,2297)	1:52:A:LYS:HA	1:52:A:LYS:HB3	19	0.14
(1,2266)	1:51:B:THR:HA	1:51:B:THR:HG23	9	0.14
(1,2265)	1:51:A:THR:HA	1:51:A:THR:HG23	9	0.14
(1,2250)	1:83:B:LEU:HD13	1:87:B:LEU:HD11	9	0.14
(1,2249)	1:83:A:LEU:HD13	1:87:A:LEU:HD11	9	0.14
(1,2031)	1:40:A:LEU:HD12	1:36:A:LYS:HE2	15	0.14
(1,1923)	1:62:A:ARG:HG3	1:62:A:ARG:HA	10	0.14
(1,1828)	1:57:B:PRO:HD3	1:57:B:PRO:HA	13	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1824)	1:63:B:MET:HB2	1:67:B:LEU:HD13	1	0.14
(1,1823)	1:63:A:MET:HB2	1:67:A:LEU:HD13	1	0.14
(1,1800)	1:66:B:LYS:HE2	1:63:B:MET:HG3	20	0.14
(1,1752)	1:64:B:MET:HA	1:67:B:LEU:HD12	10	0.14
(1,1752)	1:64:B:MET:HA	1:67:B:LEU:HD11	16	0.14
(1,1751)	1:64:A:MET:HA	1:67:A:LEU:HD12	10	0.14
(1,1751)	1:64:A:MET:HA	1:67:A:LEU:HD11	16	0.14
(1,1726)	1:40:B:LEU:HA	1:43:B:MET:HB3	13	0.14
(1,1725)	1:40:A:LEU:HA	1:43:A:MET:HB3	13	0.14
(1,1724)	1:22:B:GLN:HA	1:25:B:ALA:HB1	18	0.14
(1,1724)	1:22:B:GLN:HA	1:25:B:ALA:HB1	20	0.14
(1,1723)	1:22:A:GLN:HA	1:25:A:ALA:HB1	18	0.14
(1,1723)	1:22:A:GLN:HA	1:25:A:ALA:HB1	20	0.14
(1,1696)	1:75:B:LEU:HA	1:33:B:THR:HG22	10	0.14
(1,1696)	1:75:B:LEU:HA	1:33:B:THR:HG22	16	0.14
(1,1695)	1:75:A:LEU:HA	1:33:A:THR:HG22	10	0.14
(1,1695)	1:75:A:LEU:HA	1:33:A:THR:HG22	16	0.14
(1,1632)	1:60:B:LEU:H	1:59:B:VAL:HG22	4	0.14
(1,1631)	1:60:A:LEU:H	1:59:A:VAL:HG22	4	0.14
(1,1631)	1:60:A:LEU:H	1:59:A:VAL:HG22	6	0.14
(1,1624)	1:67:B:LEU:H	1:67:B:LEU:HD11	15	0.14
(1,1623)	1:67:A:LEU:H	1:67:A:LEU:HD11	15	0.14
(1,1454)	1:48:B:ALA:HA	1:51:B:THR:HG23	17	0.14
(1,1453)	1:48:A:ALA:HA	1:51:A:THR:HG23	17	0.14
(1,1432)	1:17:B:LEU:H	1:17:B:LEU:HD12	12	0.14
(1,1432)	1:17:B:LEU:H	1:17:B:LEU:HD13	17	0.14
(1,1431)	1:17:A:LEU:H	1:17:A:LEU:HD11	8	0.14
(1,1431)	1:17:A:LEU:H	1:17:A:LEU:HD12	12	0.14
(1,1431)	1:17:A:LEU:H	1:17:A:LEU:HD13	17	0.14
(1,1402)	1:15:B:GLU:HA	1:18:B:ILE:HG21	6	0.14
(1,1402)	1:15:B:GLU:HA	1:18:B:ILE:HG22	8	0.14
(1,1402)	1:15:B:GLU:HA	1:18:B:ILE:HG22	11	0.14
(1,1402)	1:15:B:GLU:HA	1:18:B:ILE:HG23	14	0.14
(1,1401)	1:15:A:GLU:HA	1:18:A:ILE:HG21	6	0.14
(1,1401)	1:15:A:GLU:HA	1:18:A:ILE:HG22	8	0.14
(1,1401)	1:15:A:GLU:HA	1:18:A:ILE:HG22	11	0.14
(1,1401)	1:15:A:GLU:HA	1:18:A:ILE:HG23	14	0.14
(1,1378)	1:49:B:ALA:HB1	1:50:B:PHE:HB2	1	0.14
(1,1378)	1:49:B:ALA:HB3	1:50:B:PHE:HB2	10	0.14
(1,1378)	1:49:B:ALA:HB3	1:50:B:PHE:HB2	11	0.14
(1,1378)	1:49:B:ALA:HB2	1:50:B:PHE:HB2	16	0.14
(1,1377)	1:49:A:ALA:HB3	1:50:A:PHE:HB2	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1330)	1:48:B:ALA:H	1:43:B:MET:HB3	16	0.14
(1,1329)	1:48:A:ALA:H	1:43:A:MET:HB3	3	0.14
(1,1329)	1:48:A:ALA:H	1:43:A:MET:HB3	16	0.14
(1,1289)	1:36:A:LYS:HA	1:64:A:MET:HG3	10	0.14
(1,1210)	1:52:B:LYS:HE2	1:51:B:THR:HG22	17	0.14
(1,1209)	1:52:A:LYS:HE2	1:51:A:THR:HG22	17	0.14
(1,1157)	1:23:A:LYS:HD3	1:20:A:VAL:HB	3	0.14
(1,1134)	1:33:B:THR:HB	1:74:B:GLN:HG2	6	0.14
(1,988)	1:87:B:LEU:HB2	1:86:B:GLY:H	3	0.14
(1,988)	1:87:B:LEU:HB2	1:86:B:GLY:H	7	0.14
(1,987)	1:87:A:LEU:HB2	1:86:A:GLY:H	3	0.14
(1,987)	1:87:A:LEU:HB2	1:86:A:GLY:H	7	0.14
(1,987)	1:87:A:LEU:HB2	1:86:A:GLY:H	12	0.14
(1,878)	1:50:B:PHE:HB3	1:47:B:LEU:HA	3	0.14
(1,877)	1:50:A:PHE:HB3	1:47:A:LEU:HA	3	0.14
(1,860)	1:90:B:ALA:HA	1:89:B:MET:HB3	10	0.14
(1,836)	1:59:B:VAL:HG22	1:62:B:ARG:H	9	0.14
(1,835)	1:59:A:VAL:HG22	1:62:A:ARG:H	9	0.14
(1,835)	1:59:A:VAL:HG22	1:62:A:ARG:H	11	0.14
(1,708)	1:67:B:LEU:HB2	1:66:B:LYS:HB3	10	0.14
(1,708)	1:67:B:LEU:HB2	1:66:B:LYS:HB3	14	0.14
(1,707)	1:67:A:LEU:HB2	1:66:A:LYS:HB3	10	0.14
(1,707)	1:67:A:LEU:HB2	1:66:A:LYS:HB3	14	0.14
(1,690)	1:17:B:LEU:HG	1:81:B:LEU:HD23	1	0.14
(1,690)	1:17:B:LEU:HG	1:81:B:LEU:HD22	20	0.14
(1,689)	1:17:A:LEU:HG	1:81:A:LEU:HD23	1	0.14
(1,686)	1:84:B:ILE:HB	1:83:B:LEU:HG	2	0.14
(1,686)	1:84:B:ILE:HB	1:83:B:LEU:HG	7	0.14
(1,685)	1:84:A:ILE:HB	1:83:A:LEU:HG	2	0.14
(1,685)	1:84:A:ILE:HB	1:83:A:LEU:HG	4	0.14
(1,685)	1:84:A:ILE:HB	1:83:A:LEU:HG	7	0.14
(1,628)	1:89:B:MET:HG2	1:81:A:LEU:HG	14	0.14
(1,628)	1:89:B:MET:HG2	1:81:A:LEU:HG	16	0.14
(1,627)	1:89:A:MET:HG2	1:81:B:LEU:HG	14	0.14
(1,624)	1:34:B:LEU:HB2	1:38:B:GLU:HB2	10	0.14
(1,610)	1:63:B:MET:H	1:62:B:ARG:HG2	11	0.14
(1,609)	1:63:A:MET:H	1:62:A:ARG:HG2	17	0.14
(1,552)	1:42:B:PHE:HA	1:45:B:THR:HG21	1	0.14
(1,551)	1:42:A:PHE:HA	1:45:A:THR:HG21	1	0.14
(1,382)	1:11:B:GLU:HG2	1:10:B:THR:H	14	0.14
(1,381)	1:11:A:GLU:HG2	1:10:A:THR:H	14	0.14
(1,356)	1:60:B:LEU:HB2	1:61:B:ASP:HB3	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,355)	1:60:A:LEU:HB2	1:61:A:ASP:HB3	8	0.14
(1,346)	1:23:B:LYS:HA	1:25:B:ALA:HB1	9	0.14
(1,346)	1:23:B:LYS:HA	1:25:B:ALA:HB1	15	0.14
(1,345)	1:23:A:LYS:HA	1:25:A:ALA:HB1	9	0.14
(1,345)	1:23:A:LYS:HA	1:25:A:ALA:HB1	15	0.14
(1,302)	1:22:B:GLN:HB2	1:25:B:ALA:HB1	14	0.14
(1,301)	1:22:A:GLN:HB2	1:25:A:ALA:HB1	14	0.14
(1,267)	1:75:A:LEU:HB3	1:39:A:PHE:HB3	15	0.14
(1,253)	1:57:A:PRO:HD3	1:59:A:VAL:HG12	1	0.14
(1,218)	1:18:B:ILE:HA	1:95:A:PHE:HB3	3	0.14
(1,218)	1:18:B:ILE:HA	1:95:A:PHE:HB2	4	0.14
(1,202)	1:33:B:THR:HA	1:75:B:LEU:HA	4	0.14
(1,201)	1:33:A:THR:HA	1:75:A:LEU:HA	4	0.14
(1,192)	1:67:B:LEU:HB2	1:63:B:MET:HB2	7	0.14
(1,191)	1:67:A:LEU:HB2	1:63:A:MET:HB2	7	0.14
(1,162)	1:76:B:ASP:HB2	1:33:B:THR:HB	19	0.14
(1,161)	1:76:A:ASP:HB2	1:33:A:THR:HB	19	0.14
(1,147)	1:18:A:ILE:HG21	1:92:B:HIS:H	9	0.14
(1,98)	1:9:B:GLU:HB3	1:20:A:VAL:HB	11	0.14
(1,98)	1:9:B:GLU:HB3	1:20:A:VAL:HB	14	0.14
(1,98)	1:9:B:GLU:HB3	1:20:A:VAL:HB	20	0.14
(1,97)	1:9:A:GLU:HB3	1:20:B:VAL:HB	14	0.14
(1,97)	1:9:A:GLU:HB3	1:20:B:VAL:HB	20	0.14
(1,86)	1:9:B:GLU:HB3	1:20:A:VAL:HB	1	0.14
(1,86)	1:9:B:GLU:HB3	1:20:A:VAL:HB	3	0.14
(1,86)	1:9:B:GLU:HB3	1:20:A:VAL:HB	12	0.14
(1,85)	1:9:A:GLU:HB3	1:20:B:VAL:HB	1	0.14
(1,85)	1:9:A:GLU:HB3	1:20:B:VAL:HB	8	0.14
(1,85)	1:9:A:GLU:HB3	1:20:B:VAL:HB	12	0.14
(1,85)	1:9:A:GLU:HB3	1:20:B:VAL:HB	13	0.14
(1,85)	1:9:A:GLU:HB3	1:20:B:VAL:HB	19	0.14
(1,42)	1:81:B:LEU:HD23	1:88:A:ALA:HB3	15	0.14
(1,42)	1:81:B:LEU:HD21	1:88:A:ALA:HB1	17	0.14
(3,107)	1:92:B:HIS:N	1:88:B:ALA:O	7	0.13
(3,49)	1:92:A:HIS:N	1:88:A:ALA:O	7	0.13
(3,49)	1:92:A:HIS:N	1:88:A:ALA:O	15	0.13
(3,49)	1:92:A:HIS:N	1:88:A:ALA:O	19	0.13
(2,179)	1:13:A:CYS:H	1:11:A:GLU:HG2	5	0.13
(2,160)	1:99:B:VAL:H	1:101:B:SER:H	7	0.13
(2,159)	1:99:A:VAL:H	1:101:A:SER:H	7	0.13
(2,122)	1:76:B:ASP:HB3	1:68:B:ASP:HA	14	0.13
(2,121)	1:76:A:ASP:HB3	1:68:A:ASP:HA	14	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,92)	1:44:B:ASN:HB3	1:47:B:LEU:H	3	0.13
(2,80)	1:100:B:PRO:HA	1:102:B:GLN:HA	7	0.13
(2,79)	1:100:A:PRO:HA	1:102:A:GLN:HA	7	0.13
(2,78)	1:61:B:ASP:HA	1:59:B:VAL:HA	10	0.13
(2,77)	1:61:A:ASP:HA	1:59:A:VAL:HA	10	0.13
(2,58)	1:8:B:THR:HB	1:45:A:THR:HB	1	0.13
(2,58)	1:8:B:THR:HB	1:45:A:THR:HB	8	0.13
(2,58)	1:8:B:THR:HB	1:45:A:THR:HB	14	0.13
(2,57)	1:8:A:THR:HB	1:45:B:THR:HB	8	0.13
(2,57)	1:8:A:THR:HB	1:45:B:THR:HB	14	0.13
(2,32)	1:38:B:GLU:HA	1:34:B:LEU:HA	4	0.13
(2,31)	1:38:A:GLU:HA	1:34:A:LEU:HA	4	0.13
(2,28)	1:16:B:SER:HA	1:21:B:PHE:H	13	0.13
(2,27)	1:16:A:SER:HA	1:21:A:PHE:H	13	0.13
(1,5792)	1:66:B:LYS:H	1:65:B:LYS:HB2	3	0.13
(1,5786)	1:99:B:VAL:H	1:99:B:VAL:HA	10	0.13
(1,5786)	1:99:B:VAL:H	1:99:B:VAL:HA	19	0.13
(1,5786)	1:99:B:VAL:H	1:99:B:VAL:HA	20	0.13
(1,5785)	1:99:A:VAL:H	1:99:A:VAL:HA	10	0.13
(1,5785)	1:99:A:VAL:H	1:99:A:VAL:HA	19	0.13
(1,5785)	1:99:A:VAL:H	1:99:A:VAL:HA	20	0.13
(1,5762)	1:13:B:CYS:H	1:17:B:LEU:H	9	0.13
(1,5762)	1:13:B:CYS:H	1:17:B:LEU:H	17	0.13
(1,5761)	1:13:A:CYS:H	1:17:A:LEU:H	9	0.13
(1,5761)	1:13:A:CYS:H	1:17:A:LEU:H	17	0.13
(1,5712)	1:42:B:PHE:H	1:39:B:PHE:HA	4	0.13
(1,5711)	1:42:A:PHE:H	1:39:A:PHE:HA	4	0.13
(1,5693)	1:102:A:GLN:H	1:101:A:SER:HA	5	0.13
(1,5570)	1:44:B:ASN:H	1:60:B:LEU:HD11	6	0.13
(1,5569)	1:44:A:ASN:H	1:60:A:LEU:HD11	6	0.13
(1,5558)	1:88:B:ALA:H	1:81:A:LEU:HD11	14	0.13
(1,5557)	1:88:A:ALA:H	1:81:B:LEU:HD11	14	0.13
(1,5556)	1:68:B:ASP:H	1:67:B:LEU:HB3	17	0.13
(1,5555)	1:68:A:ASP:H	1:67:A:LEU:HB3	17	0.13
(1,5498)	1:76:B:ASP:H	1:77:B:PHE:HB2	18	0.13
(1,5490)	1:21:B:PHE:H	1:23:B:LYS:H	4	0.13
(1,5489)	1:21:A:PHE:H	1:23:A:LYS:H	4	0.13
(1,5472)	1:80:B:PHE:H	1:75:B:LEU:HD13	18	0.13
(1,5352)	1:41:B:SER:H	1:42:B:PHE:HB2	18	0.13
(1,5351)	1:41:A:SER:H	1:42:A:PHE:HB2	18	0.13
(1,5336)	1:45:B:THR:H	1:48:B:ALA:HA	13	0.13
(1,5335)	1:45:A:THR:H	1:48:A:ALA:HA	13	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5284)	1:98:B:ALA:H	1:96:B:LEU:HD12	18	0.13
(1,5283)	1:98:A:ALA:H	1:96:A:LEU:HD22	4	0.13
(1,5276)	1:94:B:SER:H	1:96:B:LEU:HD22	3	0.13
(1,5275)	1:94:A:SER:H	1:96:A:LEU:HD22	3	0.13
(1,5265)	1:8:A:THR:H	1:47:B:LEU:HD23	6	0.13
(1,5164)	1:62:B:ARG:HB2	1:62:B:ARG:HB3	13	0.13
(1,5164)	1:62:B:ARG:HB2	1:62:B:ARG:HB3	20	0.13
(1,5163)	1:62:A:ARG:HB2	1:62:A:ARG:HB3	13	0.13
(1,5163)	1:62:A:ARG:HB2	1:62:A:ARG:HB3	17	0.13
(1,5163)	1:62:A:ARG:HB2	1:62:A:ARG:HB3	18	0.13
(1,5163)	1:62:A:ARG:HB2	1:62:A:ARG:HB3	20	0.13
(1,5120)	1:60:B:LEU:HB2	1:40:B:LEU:HD23	1	0.13
(1,5119)	1:60:A:LEU:HB2	1:40:A:LEU:HD23	1	0.13
(1,5092)	1:65:B:LYS:HG3	1:65:B:LYS:HB2	7	0.13
(1,5091)	1:65:A:LYS:HG3	1:65:A:LYS:HB2	7	0.13
(1,5090)	1:52:B:LYS:HG3	1:52:B:LYS:HE3	1	0.13
(1,5090)	1:97:B:LYS:HG3	1:97:B:LYS:HE2	3	0.13
(1,5090)	1:52:B:LYS:HG3	1:52:B:LYS:HE2	4	0.13
(1,5089)	1:52:A:LYS:HG3	1:52:A:LYS:HE3	3	0.13
(1,5089)	1:52:A:LYS:HG3	1:52:A:LYS:HE2	4	0.13
(1,5089)	1:97:A:LYS:HG3	1:97:A:LYS:HE2	6	0.13
(1,5042)	1:12:B:ARG:HG2	1:12:B:ARG:HD2	12	0.13
(1,5041)	1:12:A:ARG:HG2	1:12:A:ARG:HD2	12	0.13
(1,5031)	1:59:A:VAL:HG12	1:60:A:LEU:HG	4	0.13
(1,5020)	1:20:B:VAL:HA	1:20:B:VAL:HG11	17	0.13
(1,5020)	1:20:B:VAL:HA	1:20:B:VAL:HG12	18	0.13
(1,5019)	1:20:A:VAL:HA	1:20:A:VAL:HG11	17	0.13
(1,5019)	1:20:A:VAL:HA	1:20:A:VAL:HG12	18	0.13
(1,4938)	1:10:B:THR:HG22	1:87:A:LEU:HD21	6	0.13
(1,4937)	1:10:A:THR:HG21	1:87:B:LEU:HD22	13	0.13
(1,4898)	1:88:B:ALA:HB3	1:17:A:LEU:HD11	13	0.13
(1,4848)	1:53:B:ASN:HB2	1:50:B:PHE:HB2	1	0.13
(1,4848)	1:24:B:TYR:HB2	1:39:B:PHE:HB3	10	0.13
(1,4847)	1:53:A:ASN:HB2	1:50:A:PHE:HB2	1	0.13
(1,4831)	1:12:A:ARG:HD2	1:9:A:GLU:HA	14	0.13
(1,4830)	1:18:B:ILE:HG23	1:14:B:ILE:HG23	12	0.13
(1,4830)	1:18:B:ILE:HG22	1:14:B:ILE:HG23	19	0.13
(1,4829)	1:18:A:ILE:HG21	1:14:A:ILE:HG22	7	0.13
(1,4829)	1:18:A:ILE:HG23	1:14:A:ILE:HG23	12	0.13
(1,4829)	1:18:A:ILE:HG22	1:14:A:ILE:HG23	19	0.13
(1,4806)	1:18:B:ILE:HG23	1:14:B:ILE:HG23	12	0.13
(1,4806)	1:18:B:ILE:HG22	1:14:B:ILE:HG23	19	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4805)	1:18:A:ILE:HG21	1:14:A:ILE:HG22	7	0.13
(1,4805)	1:18:A:ILE:HG23	1:14:A:ILE:HG23	12	0.13
(1,4805)	1:18:A:ILE:HG22	1:14:A:ILE:HG23	19	0.13
(1,4791)	1:37:A:THR:HA	1:40:A:LEU:HD22	10	0.13
(1,4717)	1:87:A:LEU:HD23	1:14:B:ILE:HB	14	0.13
(1,4700)	1:60:B:LEU:HA	1:60:B:LEU:HG	15	0.13
(1,4700)	1:60:B:LEU:HA	1:60:B:LEU:HG	18	0.13
(1,4699)	1:60:A:LEU:HA	1:60:A:LEU:HG	15	0.13
(1,4697)	1:60:A:LEU:HA	1:60:A:LEU:HG	5	0.13
(1,4639)	1:88:A:ALA:HA	1:14:B:ILE:HG12	14	0.13
(1,4590)	1:88:B:ALA:HB3	1:14:A:ILE:HA	3	0.13
(1,4554)	1:99:B:VAL:H	1:99:B:VAL:HB	6	0.13
(1,4554)	1:99:B:VAL:H	1:99:B:VAL:HB	9	0.13
(1,4554)	1:99:B:VAL:H	1:99:B:VAL:HB	12	0.13
(1,4553)	1:99:A:VAL:H	1:99:A:VAL:HB	6	0.13
(1,4553)	1:99:A:VAL:H	1:99:A:VAL:HB	9	0.13
(1,4553)	1:99:A:VAL:H	1:99:A:VAL:HB	12	0.13
(1,4552)	1:83:B:LEU:HD11	1:64:B:MET:H	3	0.13
(1,4548)	1:50:B:PHE:HB2	1:47:B:LEU:HD21	15	0.13
(1,4548)	1:50:B:PHE:HB2	1:47:B:LEU:HD23	17	0.13
(1,4528)	1:49:B:ALA:HB1	1:47:B:LEU:HB2	3	0.13
(1,4440)	1:49:B:ALA:HB1	1:50:B:PHE:HB2	17	0.13
(1,4439)	1:49:A:ALA:HB1	1:50:A:PHE:HB2	17	0.13
(1,4431)	1:12:A:ARG:HD2	1:9:A:GLU:HA	17	0.13
(1,4416)	1:13:B:CYS:H	1:12:B:ARG:HB2	14	0.13
(1,4415)	1:13:A:CYS:H	1:12:A:ARG:HB2	14	0.13
(1,4368)	1:44:B:ASN:HA	1:60:B:LEU:HD11	4	0.13
(1,4368)	1:44:B:ASN:HA	1:60:B:LEU:HD13	11	0.13
(1,4367)	1:44:A:ASN:HA	1:60:A:LEU:HD11	4	0.13
(1,4367)	1:44:A:ASN:HA	1:60:A:LEU:HD13	11	0.13
(1,4344)	1:83:B:LEU:HD13	1:87:B:LEU:H	12	0.13
(1,4326)	1:43:B:MET:H	1:60:B:LEU:HD13	14	0.13
(1,4326)	1:43:B:MET:H	1:60:B:LEU:HD12	18	0.13
(1,4325)	1:43:A:MET:H	1:60:A:LEU:HD13	14	0.13
(1,4325)	1:43:A:MET:H	1:60:A:LEU:HD12	18	0.13
(1,4318)	1:67:B:LEU:HD23	1:63:B:MET:HG3	2	0.13
(1,4317)	1:67:A:LEU:HD23	1:63:A:MET:HG3	2	0.13
(1,4261)	1:63:A:MET:HG2	1:59:A:VAL:HA	10	0.13
(1,4199)	1:45:A:THR:HB	1:42:A:PHE:HA	18	0.13
(1,4180)	1:66:B:LYS:HE2	1:63:B:MET:HB3	16	0.13
(1,4162)	1:22:B:GLN:HA	1:26:B:GLY:HA3	12	0.13
(1,4161)	1:22:A:GLN:HA	1:26:A:GLY:HA3	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4149)	1:13:A:CYS:HB2	1:17:B:LEU:HG	2	0.13
(1,4140)	1:68:B:ASP:HA	1:67:B:LEU:HB2	3	0.13
(1,4139)	1:68:A:ASP:HA	1:67:A:LEU:HB2	3	0.13
(1,4075)	1:28:A:ASP:HA	1:27:A:LYS:HB3	18	0.13
(1,4070)	1:18:B:ILE:H	1:18:B:ILE:HG22	12	0.13
(1,4070)	1:18:B:ILE:H	1:18:B:ILE:HG22	20	0.13
(1,4069)	1:18:A:ILE:H	1:18:A:ILE:HG21	1	0.13
(1,4069)	1:18:A:ILE:H	1:18:A:ILE:HG22	12	0.13
(1,4069)	1:18:A:ILE:H	1:18:A:ILE:HG22	20	0.13
(1,4043)	1:40:A:LEU:HG	1:61:A:ASP:HB2	10	0.13
(1,4013)	1:98:A:ALA:H	1:97:A:LYS:HD2	18	0.13
(1,4006)	1:28:B:ASP:HA	1:27:B:LYS:HB2	15	0.13
(1,3990)	1:68:B:ASP:HA	1:75:B:LEU:HB2	14	0.13
(1,3989)	1:68:A:ASP:HA	1:75:A:LEU:HB2	14	0.13
(1,3982)	1:94:B:SER:HA	1:97:B:LYS:HE2	1	0.13
(1,3981)	1:94:A:SER:HA	1:97:A:LYS:HE2	1	0.13
(1,3879)	1:69:A:THR:HB	1:70:A:ASN:HB3	15	0.13
(1,3856)	1:44:B:ASN:HA	1:43:B:MET:HA	5	0.13
(1,3855)	1:44:A:ASN:HA	1:43:A:MET:HA	5	0.13
(1,3855)	1:44:A:ASN:HA	1:43:A:MET:HA	12	0.13
(1,3844)	1:17:B:LEU:HB3	1:14:B:ILE:HA	3	0.13
(1,3844)	1:17:B:LEU:HB3	1:14:B:ILE:HA	5	0.13
(1,3844)	1:17:B:LEU:HB3	1:18:B:ILE:HA	10	0.13
(1,3843)	1:17:A:LEU:HB3	1:14:A:ILE:HA	3	0.13
(1,3843)	1:17:A:LEU:HB3	1:14:A:ILE:HA	5	0.13
(1,3843)	1:17:A:LEU:HB3	1:18:A:ILE:HA	10	0.13
(1,3841)	1:89:A:MET:HG3	1:86:A:GLY:H	15	0.13
(1,3821)	1:10:A:THR:HA	1:17:B:LEU:HA	15	0.13
(1,3800)	1:47:B:LEU:HA	1:87:B:LEU:HD21	6	0.13
(1,3799)	1:47:A:LEU:HA	1:87:A:LEU:HD21	6	0.13
(1,3702)	1:52:B:LYS:HD3	1:44:B:ASN:HB3	6	0.13
(1,3701)	1:52:A:LYS:HD3	1:44:A:ASN:HB3	6	0.13
(1,3700)	1:69:B:THR:HB	1:68:B:ASP:HB3	12	0.13
(1,3652)	1:47:B:LEU:HD22	1:10:A:THR:H	6	0.13
(1,3651)	1:47:A:LEU:HD22	1:10:B:THR:H	6	0.13
(1,3630)	1:63:B:MET:HG3	1:64:B:MET:HA	1	0.13
(1,3630)	1:63:B:MET:HG3	1:64:B:MET:HA	11	0.13
(1,3629)	1:63:A:MET:HG3	1:64:A:MET:HA	1	0.13
(1,3629)	1:63:A:MET:HG3	1:64:A:MET:HA	11	0.13
(1,3604)	1:14:B:ILE:HB	1:13:B:CYS:HB3	13	0.13
(1,3603)	1:14:A:ILE:HB	1:13:A:CYS:HB3	13	0.13
(1,3571)	1:58:A:GLY:HA2	1:59:A:VAL:HG11	13	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3535)	1:18:A:ILE:HB	1:91:B:CYS:HB2	4	0.13
(1,3507)	1:46:A:GLU:HB3	1:45:A:THR:HB	16	0.13
(1,3450)	1:69:B:THR:HB	1:67:B:LEU:HB2	2	0.13
(1,3450)	1:69:B:THR:HB	1:67:B:LEU:HB2	7	0.13
(1,3449)	1:69:A:THR:HB	1:67:A:LEU:HB2	2	0.13
(1,3449)	1:69:A:THR:HB	1:67:A:LEU:HB2	7	0.13
(1,3442)	1:69:B:THR:HB	1:66:B:LYS:HG2	7	0.13
(1,3441)	1:69:A:THR:HB	1:66:A:LYS:HG2	7	0.13
(1,3440)	1:14:B:ILE:HB	1:13:B:CYS:HA	18	0.13
(1,3439)	1:14:A:ILE:HB	1:13:A:CYS:HA	18	0.13
(1,3434)	1:42:B:PHE:HA	1:46:B:GLU:HA	3	0.13
(1,3434)	1:42:B:PHE:HA	1:46:B:GLU:HA	4	0.13
(1,3409)	1:100:A:PRO:HB2	1:22:B:GLN:HB2	14	0.13
(1,3381)	1:87:A:LEU:HD23	1:14:B:ILE:HB	14	0.13
(1,3372)	1:10:B:THR:HG22	1:87:A:LEU:HD21	6	0.13
(1,3371)	1:10:A:THR:HG21	1:87:B:LEU:HD22	13	0.13
(1,3354)	1:84:B:ILE:HG23	1:17:A:LEU:HD12	20	0.13
(1,3353)	1:84:A:ILE:HG23	1:17:B:LEU:HD12	20	0.13
(1,3166)	1:82:B:ASN:H	1:82:B:ASN:HB3	6	0.13
(1,3166)	1:82:B:ASN:H	1:82:B:ASN:HB3	10	0.13
(1,3166)	1:82:B:ASN:H	1:82:B:ASN:HB3	15	0.13
(1,3165)	1:82:A:ASN:H	1:82:A:ASN:HB3	6	0.13
(1,3165)	1:82:A:ASN:H	1:82:A:ASN:HB3	10	0.13
(1,2716)	1:22:B:GLN:H	1:18:B:ILE:HG21	4	0.13
(1,2715)	1:22:A:GLN:H	1:18:A:ILE:HG21	4	0.13
(1,2692)	1:94:B:SER:H	1:91:B:CYS:H	14	0.13
(1,2691)	1:94:A:SER:H	1:91:A:CYS:H	14	0.13
(1,2682)	1:73:B:GLY:H	1:74:B:GLN:HG3	11	0.13
(1,2681)	1:73:A:GLY:H	1:74:A:GLN:HG3	10	0.13
(1,2681)	1:73:A:GLY:H	1:74:A:GLN:HG3	11	0.13
(1,2656)	1:8:B:THR:H	1:11:B:GLU:HA	5	0.13
(1,2656)	1:8:B:THR:H	1:11:B:GLU:HA	20	0.13
(1,2655)	1:8:A:THR:H	1:11:A:GLU:HA	20	0.13
(1,2630)	1:69:B:THR:H	1:67:B:LEU:HB2	10	0.13
(1,2626)	1:86:B:GLY:H	1:89:B:MET:HB2	19	0.13
(1,2625)	1:86:A:GLY:H	1:89:A:MET:HB2	19	0.13
(1,2591)	1:26:A:GLY:H	1:24:A:TYR:HB3	8	0.13
(1,2298)	1:52:B:LYS:HA	1:52:B:LYS:HB3	2	0.13
(1,2298)	1:52:B:LYS:HA	1:52:B:LYS:HB3	10	0.13
(1,2298)	1:52:B:LYS:HA	1:52:B:LYS:HB3	19	0.13
(1,2297)	1:52:A:LYS:HA	1:52:A:LYS:HB3	2	0.13
(1,2297)	1:52:A:LYS:HA	1:52:A:LYS:HB3	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2261)	1:97:A:LYS:HB3	1:97:A:LYS:HA	1	0.13
(1,2162)	1:9:B:GLU:HA	1:9:B:GLU:HG3	8	0.13
(1,2161)	1:9:A:GLU:HA	1:9:A:GLU:HG3	8	0.13
(1,2022)	1:36:B:LYS:HG3	1:36:B:LYS:HA	14	0.13
(1,2021)	1:36:A:LYS:HG3	1:36:A:LYS:HA	14	0.13
(1,1924)	1:62:B:ARG:HG3	1:62:B:ARG:HA	10	0.13
(1,1896)	1:19:B:ALA:HB3	1:9:A:GLU:HG3	16	0.13
(1,1895)	1:19:A:ALA:HB3	1:9:B:GLU:HG3	16	0.13
(1,1858)	1:57:B:PRO:HD3	1:57:B:PRO:HA	7	0.13
(1,1857)	1:57:A:PRO:HD3	1:57:A:PRO:HA	7	0.13
(1,1828)	1:57:B:PRO:HD3	1:57:B:PRO:HA	4	0.13
(1,1827)	1:57:A:PRO:HD3	1:57:A:PRO:HA	4	0.13
(1,1824)	1:63:B:MET:HB2	1:67:B:LEU:HD11	17	0.13
(1,1823)	1:63:A:MET:HB2	1:67:A:LEU:HD11	17	0.13
(1,1808)	1:10:B:THR:HA	1:10:B:THR:HG21	5	0.13
(1,1807)	1:10:A:THR:HA	1:10:A:THR:HG21	5	0.13
(1,1800)	1:66:B:LYS:HE3	1:63:B:MET:HG3	12	0.13
(1,1799)	1:66:A:LYS:HE3	1:63:A:MET:HG3	11	0.13
(1,1799)	1:66:A:LYS:HE3	1:63:A:MET:HG3	12	0.13
(1,1752)	1:64:B:MET:HA	1:67:B:LEU:HD13	14	0.13
(1,1751)	1:64:A:MET:HA	1:67:A:LEU:HD13	14	0.13
(1,1712)	1:64:B:MET:HA	1:67:B:LEU:HD12	19	0.13
(1,1711)	1:64:A:MET:HA	1:67:A:LEU:HD12	19	0.13
(1,1696)	1:75:B:LEU:HA	1:33:B:THR:HG22	1	0.13
(1,1695)	1:75:A:LEU:HA	1:33:A:THR:HG22	1	0.13
(1,1638)	1:38:B:GLU:HA	1:27:B:LYS:HD3	16	0.13
(1,1637)	1:38:A:GLU:HA	1:27:A:LYS:HD3	16	0.13
(1,1632)	1:60:B:LEU:H	1:59:B:VAL:HG23	2	0.13
(1,1632)	1:60:B:LEU:H	1:59:B:VAL:HG22	3	0.13
(1,1631)	1:60:A:LEU:H	1:59:A:VAL:HG23	2	0.13
(1,1631)	1:60:A:LEU:H	1:59:A:VAL:HG23	14	0.13
(1,1626)	1:102:B:GLN:H	1:100:B:PRO:HA	5	0.13
(1,1625)	1:102:A:GLN:H	1:100:A:PRO:HA	5	0.13
(1,1624)	1:67:B:LEU:H	1:67:B:LEU:HD11	2	0.13
(1,1624)	1:67:B:LEU:H	1:67:B:LEU:HD11	17	0.13
(1,1623)	1:67:A:LEU:H	1:67:A:LEU:HD13	1	0.13
(1,1623)	1:67:A:LEU:H	1:67:A:LEU:HD11	2	0.13
(1,1623)	1:67:A:LEU:H	1:67:A:LEU:HD11	17	0.13
(1,1432)	1:17:B:LEU:H	1:17:B:LEU:HD11	8	0.13
(1,1398)	1:68:B:ASP:HB3	1:75:B:LEU:HD23	1	0.13
(1,1398)	1:68:B:ASP:HB3	1:75:B:LEU:HD23	12	0.13
(1,1397)	1:68:A:ASP:HB3	1:75:A:LEU:HD23	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1397)	1:68:A:ASP:HB3	1:75:A:LEU:HD23	12	0.13
(1,1378)	1:49:B:ALA:HB3	1:50:B:PHE:HB2	6	0.13
(1,1378)	1:49:B:ALA:HB2	1:50:B:PHE:HB2	18	0.13
(1,1377)	1:49:A:ALA:HB1	1:50:A:PHE:HB2	1	0.13
(1,1377)	1:49:A:ALA:HB3	1:50:A:PHE:HB2	6	0.13
(1,1377)	1:49:A:ALA:HB3	1:50:A:PHE:HB2	11	0.13
(1,1330)	1:48:B:ALA:H	1:43:B:MET:HB3	3	0.13
(1,1290)	1:36:B:LYS:HA	1:64:B:MET:HG3	10	0.13
(1,1158)	1:23:B:LYS:HD3	1:20:B:VAL:HB	1	0.13
(1,1158)	1:23:B:LYS:HD3	1:20:B:VAL:HB	3	0.13
(1,1157)	1:23:A:LYS:HD3	1:20:A:VAL:HB	1	0.13
(1,1134)	1:33:B:THR:HB	1:74:B:GLN:HG3	8	0.13
(1,1133)	1:33:A:THR:HB	1:74:A:GLN:HG2	6	0.13
(1,988)	1:87:B:LEU:HB2	1:86:B:GLY:H	4	0.13
(1,988)	1:87:B:LEU:HB2	1:86:B:GLY:H	10	0.13
(1,988)	1:87:B:LEU:HB2	1:86:B:GLY:H	12	0.13
(1,988)	1:87:B:LEU:HB2	1:86:B:GLY:H	16	0.13
(1,988)	1:87:B:LEU:HB2	1:86:B:GLY:H	17	0.13
(1,987)	1:87:A:LEU:HB2	1:86:A:GLY:H	4	0.13
(1,987)	1:87:A:LEU:HB2	1:86:A:GLY:H	10	0.13
(1,987)	1:87:A:LEU:HB2	1:86:A:GLY:H	17	0.13
(1,960)	1:33:B:THR:HG22	1:74:B:GLN:HA	7	0.13
(1,959)	1:33:A:THR:HG22	1:74:A:GLN:HA	7	0.13
(1,940)	1:35:B:SER:HA	1:34:B:LEU:HA	20	0.13
(1,939)	1:35:A:SER:HA	1:34:A:LEU:HA	20	0.13
(1,878)	1:50:B:PHE:HB3	1:47:B:LEU:HA	2	0.13
(1,859)	1:90:A:ALA:HA	1:89:A:MET:HB3	10	0.13
(1,856)	1:9:B:GLU:HG3	1:17:A:LEU:HD21	17	0.13
(1,836)	1:59:B:VAL:HG22	1:62:B:ARG:H	11	0.13
(1,834)	1:96:B:LEU:H	1:96:B:LEU:HD11	2	0.13
(1,708)	1:67:B:LEU:HB2	1:66:B:LYS:HB3	19	0.13
(1,707)	1:67:A:LEU:HB2	1:66:A:LYS:HB3	11	0.13
(1,707)	1:67:A:LEU:HB2	1:66:A:LYS:HB3	19	0.13
(1,686)	1:84:B:ILE:HB	1:83:B:LEU:HG	4	0.13
(1,686)	1:84:B:ILE:HB	1:83:B:LEU:HG	11	0.13
(1,685)	1:84:A:ILE:HB	1:83:A:LEU:HG	11	0.13
(1,627)	1:89:A:MET:HG2	1:81:B:LEU:HG	16	0.13
(1,623)	1:34:A:LEU:HB2	1:38:A:GLU:HB2	10	0.13
(1,622)	1:63:B:MET:H	1:62:B:ARG:HG2	16	0.13
(1,621)	1:63:A:MET:H	1:62:A:ARG:HG2	16	0.13
(1,609)	1:63:A:MET:H	1:62:A:ARG:HG2	11	0.13
(1,562)	1:76:B:ASP:HB3	1:75:B:LEU:HA	4	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,561)	1:76:A:ASP:HB3	1:75:A:LEU:HA	4	0.13
(1,551)	1:42:A:PHE:HA	1:45:A:THR:HG23	16	0.13
(1,540)	1:16:B:SER:HA	1:15:B:GLU:H	6	0.13
(1,539)	1:16:A:SER:HA	1:15:A:GLU:H	6	0.13
(1,382)	1:11:B:GLU:HG2	1:10:B:THR:H	8	0.13
(1,382)	1:11:B:GLU:HG2	1:10:B:THR:H	10	0.13
(1,381)	1:11:A:GLU:HG2	1:10:A:THR:H	8	0.13
(1,364)	1:47:B:LEU:HD23	1:10:A:THR:H	14	0.13
(1,363)	1:47:A:LEU:HD21	1:10:B:THR:H	20	0.13
(1,280)	1:17:B:LEU:HB2	1:21:B:PHE:H	1	0.13
(1,280)	1:17:B:LEU:HB2	1:21:B:PHE:H	18	0.13
(1,279)	1:17:A:LEU:HB2	1:21:A:PHE:H	18	0.13
(1,247)	1:45:A:THR:HB	1:42:A:PHE:HA	15	0.13
(1,217)	1:18:A:ILE:HA	1:95:B:PHE:HB3	3	0.13
(1,192)	1:67:B:LEU:HB2	1:63:B:MET:HB2	2	0.13
(1,191)	1:67:A:LEU:HB2	1:63:A:MET:HB2	2	0.13
(1,189)	1:46:A:GLU:HG3	1:24:A:TYR:H	14	0.13
(1,168)	1:76:B:ASP:HB2	1:75:B:LEU:HA	19	0.13
(1,167)	1:76:A:ASP:HB2	1:75:A:LEU:HA	19	0.13
(1,92)	1:9:B:GLU:HB3	1:20:A:VAL:HG11	9	0.13
(1,91)	1:9:A:GLU:HB3	1:20:B:VAL:HG11	9	0.13
(1,86)	1:9:B:GLU:HB3	1:20:A:VAL:HB	8	0.13
(1,86)	1:9:B:GLU:HB3	1:20:A:VAL:HB	10	0.13
(1,85)	1:9:A:GLU:HB3	1:20:B:VAL:HB	2	0.13
(1,85)	1:9:A:GLU:HB3	1:20:B:VAL:HB	3	0.13
(1,85)	1:9:A:GLU:HB3	1:20:B:VAL:HB	10	0.13
(1,82)	1:22:B:GLN:HB2	1:100:A:PRO:HB2	14	0.13
(1,42)	1:81:B:LEU:HD23	1:88:A:ALA:HB3	16	0.13
(1,41)	1:81:A:LEU:HD23	1:88:B:ALA:HB3	16	0.13
(1,41)	1:81:A:LEU:HD21	1:88:B:ALA:HB1	17	0.13
(1,20)	1:18:B:ILE:HG22	1:91:A:CYS:HB3	16	0.13
(3,107)	1:92:B:HIS:N	1:88:B:ALA:O	1	0.12
(3,107)	1:92:B:HIS:N	1:88:B:ALA:O	4	0.12
(3,107)	1:92:B:HIS:N	1:88:B:ALA:O	15	0.12
(3,107)	1:92:B:HIS:N	1:88:B:ALA:O	19	0.12
(3,78)	1:24:B:TYR:H	1:20:B:VAL:O	14	0.12
(3,49)	1:92:A:HIS:N	1:88:A:ALA:O	4	0.12
(3,20)	1:24:A:TYR:H	1:20:A:VAL:O	14	0.12
(2,180)	1:13:B:CYS:H	1:11:B:GLU:HG2	5	0.12
(2,180)	1:13:B:CYS:H	1:11:B:GLU:HG2	6	0.12
(2,180)	1:13:B:CYS:H	1:11:B:GLU:HG2	14	0.12
(2,179)	1:13:A:CYS:H	1:11:A:GLU:HG2	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,179)	1:13:A:CYS:H	1:11:A:GLU:HG2	14	0.12
(2,57)	1:8:A:THR:HB	1:45:B:THR:HB	1	0.12
(2,32)	1:38:B:GLU:HA	1:34:B:LEU:HA	18	0.12
(2,31)	1:38:A:GLU:HA	1:34:A:LEU:HA	8	0.12
(2,31)	1:38:A:GLU:HA	1:34:A:LEU:HA	18	0.12
(2,28)	1:16:B:SER:HA	1:21:B:PHE:H	1	0.12
(2,27)	1:16:A:SER:HA	1:21:A:PHE:H	1	0.12
(1,5791)	1:66:A:LYS:H	1:65:A:LYS:HB2	3	0.12
(1,5786)	1:99:B:VAL:H	1:99:B:VAL:HA	6	0.12
(1,5786)	1:99:B:VAL:H	1:99:B:VAL:HA	11	0.12
(1,5786)	1:99:B:VAL:H	1:99:B:VAL:HA	12	0.12
(1,5786)	1:99:B:VAL:H	1:99:B:VAL:HA	16	0.12
(1,5785)	1:99:A:VAL:H	1:99:A:VAL:HA	6	0.12
(1,5785)	1:99:A:VAL:H	1:99:A:VAL:HA	11	0.12
(1,5785)	1:99:A:VAL:H	1:99:A:VAL:HA	12	0.12
(1,5785)	1:99:A:VAL:H	1:99:A:VAL:HA	16	0.12
(1,5694)	1:102:B:GLN:H	1:101:B:SER:HA	5	0.12
(1,5666)	1:68:B:ASP:H	1:67:B:LEU:HA	3	0.12
(1,5666)	1:68:B:ASP:H	1:67:B:LEU:HA	8	0.12
(1,5665)	1:68:A:ASP:H	1:67:A:LEU:HA	3	0.12
(1,5644)	1:38:B:GLU:H	1:38:B:GLU:HB3	2	0.12
(1,5644)	1:38:B:GLU:H	1:38:B:GLU:HB3	9	0.12
(1,5644)	1:38:B:GLU:H	1:38:B:GLU:HB3	10	0.12
(1,5644)	1:38:B:GLU:H	1:38:B:GLU:HB3	19	0.12
(1,5643)	1:38:A:GLU:H	1:38:A:GLU:HB3	2	0.12
(1,5643)	1:38:A:GLU:H	1:38:A:GLU:HB3	9	0.12
(1,5643)	1:38:A:GLU:H	1:38:A:GLU:HB3	10	0.12
(1,5643)	1:38:A:GLU:H	1:38:A:GLU:HB3	19	0.12
(1,5602)	1:84:B:ILE:H	1:87:B:LEU:HD12	18	0.12
(1,5601)	1:84:A:ILE:H	1:87:A:LEU:HD12	18	0.12
(1,5556)	1:68:B:ASP:H	1:67:B:LEU:HB3	13	0.12
(1,5555)	1:68:A:ASP:H	1:67:A:LEU:HB3	1	0.12
(1,5539)	1:10:A:THR:H	1:20:B:VAL:HG22	9	0.12
(1,5498)	1:76:B:ASP:H	1:72:B:ASP:HB3	16	0.12
(1,5497)	1:76:A:ASP:H	1:77:A:PHE:HB2	18	0.12
(1,5491)	1:49:A:ALA:H	1:47:A:LEU:HG	16	0.12
(1,5490)	1:21:B:PHE:H	1:23:B:LYS:H	7	0.12
(1,5490)	1:21:B:PHE:H	1:23:B:LYS:H	8	0.12
(1,5490)	1:21:B:PHE:H	1:23:B:LYS:H	11	0.12
(1,5489)	1:21:A:PHE:H	1:23:A:LYS:H	3	0.12
(1,5489)	1:21:A:PHE:H	1:23:A:LYS:H	11	0.12
(1,5471)	1:80:A:PHE:H	1:75:A:LEU:HD13	18	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5456)	1:47:B:LEU:H	1:44:B:ASN:HA	18	0.12
(1,5455)	1:47:A:LEU:H	1:44:A:ASN:HA	18	0.12
(1,5412)	1:17:B:LEU:H	1:18:B:ILE:HB	12	0.12
(1,5411)	1:17:A:LEU:H	1:18:A:ILE:HB	12	0.12
(1,5342)	1:93:B:ASP:H	1:96:B:LEU:HD21	11	0.12
(1,5341)	1:93:A:ASP:H	1:96:A:LEU:HD21	11	0.12
(1,5341)	1:93:A:ASP:H	1:96:A:LEU:HD23	17	0.12
(1,5312)	1:28:B:ASP:H	1:34:B:LEU:HD22	4	0.12
(1,5311)	1:28:A:ASP:H	1:34:A:LEU:HD22	4	0.12
(1,5284)	1:98:B:ALA:H	1:96:B:LEU:HD22	4	0.12
(1,5283)	1:98:A:ALA:H	1:96:A:LEU:HD12	18	0.12
(1,5280)	1:28:B:ASP:H	1:34:B:LEU:HD22	4	0.12
(1,5279)	1:28:A:ASP:H	1:34:A:LEU:HD22	4	0.12
(1,5266)	1:8:B:THR:H	1:47:A:LEU:HD23	6	0.12
(1,5120)	1:60:B:LEU:HB2	1:40:B:LEU:HD21	18	0.12
(1,5119)	1:60:A:LEU:HB2	1:40:A:LEU:HD21	18	0.12
(1,5092)	1:65:B:LYS:HG3	1:65:B:LYS:HB3	3	0.12
(1,5092)	1:65:B:LYS:HD3	1:65:B:LYS:HG2	8	0.12
(1,5091)	1:65:A:LYS:HG3	1:65:A:LYS:HB3	3	0.12
(1,5091)	1:65:A:LYS:HD3	1:65:A:LYS:HG2	8	0.12
(1,5090)	1:97:B:LYS:HG3	1:97:B:LYS:HE2	6	0.12
(1,5090)	1:97:B:LYS:HG3	1:97:B:LYS:HE2	9	0.12
(1,5090)	1:52:B:LYS:HG2	1:52:B:LYS:HE3	12	0.12
(1,5089)	1:52:A:LYS:HG3	1:52:A:LYS:HE3	1	0.12
(1,5089)	1:97:A:LYS:HG3	1:97:A:LYS:HE2	9	0.12
(1,5089)	1:52:A:LYS:HG2	1:52:A:LYS:HE3	12	0.12
(1,5061)	1:52:A:LYS:HG2	1:52:A:LYS:HA	4	0.12
(1,5042)	1:12:B:ARG:HG2	1:12:B:ARG:HD3	2	0.12
(1,5041)	1:12:A:ARG:HG2	1:12:A:ARG:HD3	2	0.12
(1,5032)	1:59:B:VAL:HG12	1:60:B:LEU:HG	4	0.12
(1,4938)	1:10:B:THR:HG21	1:87:A:LEU:HD22	20	0.12
(1,4832)	1:12:B:ARG:HD2	1:9:B:GLU:HA	14	0.12
(1,4830)	1:18:B:ILE:HG21	1:14:B:ILE:HG22	7	0.12
(1,4806)	1:18:B:ILE:HG21	1:14:B:ILE:HG22	7	0.12
(1,4718)	1:87:B:LEU:HD23	1:14:A:ILE:HB	14	0.12
(1,4717)	1:87:A:LEU:HD21	1:14:B:ILE:HB	6	0.12
(1,4716)	1:17:B:LEU:HD21	1:13:A:CYS:HB2	15	0.12
(1,4715)	1:17:A:LEU:HD21	1:13:B:CYS:HB2	15	0.12
(1,4699)	1:60:A:LEU:HA	1:60:A:LEU:HG	18	0.12
(1,4698)	1:60:B:LEU:HA	1:60:B:LEU:HG	15	0.12
(1,4698)	1:60:B:LEU:HA	1:60:B:LEU:HG	18	0.12
(1,4697)	1:60:A:LEU:HA	1:60:A:LEU:HG	15	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4697)	1:60:A:LEU:HA	1:60:A:LEU:HG	18	0.12
(1,4650)	1:63:B:MET:HB2	1:67:B:LEU:HD11	3	0.12
(1,4649)	1:63:A:MET:HB2	1:67:A:LEU:HD11	3	0.12
(1,4640)	1:88:B:ALA:HA	1:14:A:ILE:HG12	16	0.12
(1,4639)	1:88:A:ALA:HA	1:14:B:ILE:HG12	4	0.12
(1,4606)	1:75:B:LEU:HD12	1:83:B:LEU:HB2	12	0.12
(1,4605)	1:75:A:LEU:HD12	1:83:A:LEU:HB2	12	0.12
(1,4578)	1:65:B:LYS:HD2	1:68:B:ASP:HA	19	0.12
(1,4577)	1:65:A:LYS:HD2	1:68:A:ASP:HA	19	0.12
(1,4566)	1:65:B:LYS:HD2	1:68:B:ASP:HA	19	0.12
(1,4565)	1:65:A:LYS:HD2	1:68:A:ASP:HA	19	0.12
(1,4554)	1:99:B:VAL:H	1:99:B:VAL:HB	5	0.12
(1,4554)	1:99:B:VAL:H	1:99:B:VAL:HB	10	0.12
(1,4554)	1:99:B:VAL:H	1:99:B:VAL:HB	13	0.12
(1,4554)	1:99:B:VAL:H	1:99:B:VAL:HB	15	0.12
(1,4554)	1:99:B:VAL:H	1:99:B:VAL:HB	19	0.12
(1,4554)	1:99:B:VAL:H	1:99:B:VAL:HB	20	0.12
(1,4553)	1:99:A:VAL:H	1:99:A:VAL:HB	5	0.12
(1,4553)	1:99:A:VAL:H	1:99:A:VAL:HB	10	0.12
(1,4553)	1:99:A:VAL:H	1:99:A:VAL:HB	15	0.12
(1,4553)	1:99:A:VAL:H	1:99:A:VAL:HB	19	0.12
(1,4553)	1:99:A:VAL:H	1:99:A:VAL:HB	20	0.12
(1,4552)	1:83:B:LEU:HD11	1:64:B:MET:H	4	0.12
(1,4551)	1:83:A:LEU:HD11	1:64:A:MET:H	3	0.12
(1,4551)	1:83:A:LEU:HD11	1:64:A:MET:H	4	0.12
(1,4547)	1:50:A:PHE:HB2	1:47:A:LEU:HD23	17	0.12
(1,4528)	1:49:B:ALA:HB1	1:47:B:LEU:HB2	1	0.12
(1,4527)	1:49:A:ALA:HB1	1:47:A:LEU:HB2	1	0.12
(1,4527)	1:49:A:ALA:HB1	1:47:A:LEU:HB2	3	0.12
(1,4527)	1:49:A:ALA:HB1	1:47:A:LEU:HB2	7	0.12
(1,4432)	1:12:B:ARG:HD2	1:9:B:GLU:HA	17	0.12
(1,4432)	1:12:B:ARG:HD2	1:9:B:GLU:HA	18	0.12
(1,4431)	1:12:A:ARG:HD2	1:9:A:GLU:HA	18	0.12
(1,4357)	1:48:A:ALA:HA	1:52:A:LYS:HD3	8	0.12
(1,4344)	1:83:B:LEU:HD12	1:87:B:LEU:H	5	0.12
(1,4344)	1:83:B:LEU:HD12	1:87:B:LEU:H	6	0.12
(1,4343)	1:83:A:LEU:HD12	1:87:A:LEU:H	5	0.12
(1,4343)	1:83:A:LEU:HD13	1:87:A:LEU:H	12	0.12
(1,4326)	1:43:B:MET:H	1:60:B:LEU:HD12	5	0.12
(1,4325)	1:43:A:MET:H	1:60:A:LEU:HD12	5	0.12
(1,4320)	1:65:B:LYS:HD2	1:68:B:ASP:HA	19	0.12
(1,4319)	1:65:A:LYS:HD2	1:68:A:ASP:HA	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4262)	1:63:B:MET:HG2	1:59:B:VAL:HA	10	0.12
(1,4200)	1:45:B:THR:HB	1:42:B:PHE:HA	18	0.12
(1,4192)	1:61:B:ASP:HB3	1:40:B:LEU:HD22	18	0.12
(1,4191)	1:61:A:ASP:HB3	1:40:A:LEU:HD22	18	0.12
(1,4150)	1:13:B:CYS:HB2	1:17:A:LEU:HG	2	0.12
(1,4126)	1:9:B:GLU:HB3	1:8:B:THR:HB	20	0.12
(1,4125)	1:9:A:GLU:HB3	1:8:A:THR:HB	20	0.12
(1,4076)	1:28:B:ASP:HA	1:27:B:LYS:HB3	6	0.12
(1,4075)	1:28:A:ASP:HA	1:27:A:LYS:HB3	6	0.12
(1,4044)	1:40:B:LEU:HG	1:61:B:ASP:HB2	10	0.12
(1,4032)	1:10:B:THR:HA	1:9:B:GLU:HB3	13	0.12
(1,4031)	1:10:A:THR:HA	1:9:A:GLU:HB3	13	0.12
(1,4026)	1:60:B:LEU:HD13	1:44:B:ASN:HB2	1	0.12
(1,4006)	1:28:B:ASP:HA	1:27:B:LYS:HB2	6	0.12
(1,4005)	1:28:A:ASP:HA	1:27:A:LYS:HB2	6	0.12
(1,3998)	1:51:B:THR:HG23	1:44:B:ASN:HB3	11	0.12
(1,3997)	1:51:A:THR:HG23	1:44:A:ASN:HB3	11	0.12
(1,3990)	1:68:B:ASP:HA	1:75:B:LEU:HB2	18	0.12
(1,3989)	1:68:A:ASP:HA	1:75:A:LEU:HB2	18	0.12
(1,3983)	1:60:A:LEU:HD12	1:52:A:LYS:H	9	0.12
(1,3982)	1:94:B:SER:HA	1:97:B:LYS:HE3	18	0.12
(1,3981)	1:94:A:SER:HA	1:97:A:LYS:HE3	18	0.12
(1,3936)	1:82:B:ASN:HB3	1:83:B:LEU:HB3	9	0.12
(1,3935)	1:82:A:ASN:HB3	1:83:A:LEU:HB3	9	0.12
(1,3906)	1:12:B:ARG:HG3	1:10:B:THR:HA	16	0.12
(1,3905)	1:12:A:ARG:HG3	1:10:A:THR:HA	16	0.12
(1,3899)	1:75:A:LEU:HB2	1:64:A:MET:HB2	15	0.12
(1,3888)	1:14:B:ILE:HA	1:16:B:SER:HB2	13	0.12
(1,3887)	1:14:A:ILE:HA	1:16:A:SER:HB2	13	0.12
(1,3880)	1:69:B:THR:HB	1:82:B:ASN:HB3	12	0.12
(1,3879)	1:69:A:THR:HB	1:82:A:ASN:HB3	12	0.12
(1,3868)	1:74:B:GLN:HB3	1:75:B:LEU:HA	8	0.12
(1,3868)	1:74:B:GLN:HB3	1:75:B:LEU:HA	18	0.12
(1,3867)	1:74:A:GLN:HB3	1:75:A:LEU:HA	8	0.12
(1,3867)	1:74:A:GLN:HB3	1:75:A:LEU:HA	18	0.12
(1,3858)	1:47:B:LEU:HA	1:50:B:PHE:HA	19	0.12
(1,3857)	1:47:A:LEU:HA	1:50:A:PHE:HA	19	0.12
(1,3828)	1:79:B:GLU:H	1:76:B:ASP:HB3	5	0.12
(1,3822)	1:10:B:THR:HA	1:17:A:LEU:HA	15	0.12
(1,3813)	1:14:A:ILE:HB	1:15:A:GLU:HA	6	0.12
(1,3800)	1:47:B:LEU:HA	1:87:B:LEU:HD22	13	0.12
(1,3799)	1:47:A:LEU:HA	1:87:A:LEU:HD22	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3708)	1:49:B:ALA:HB2	1:11:A:GLU:HG3	15	0.12
(1,3700)	1:69:B:THR:HB	1:68:B:ASP:HB3	11	0.12
(1,3699)	1:69:A:THR:HB	1:68:A:ASP:HB3	11	0.12
(1,3672)	1:7:B:PRO:HB2	1:8:B:THR:HB	7	0.12
(1,3671)	1:7:A:PRO:HB2	1:8:A:THR:HB	7	0.12
(1,3651)	1:47:A:LEU:HD21	1:10:B:THR:H	12	0.12
(1,3604)	1:14:B:ILE:HB	1:91:A:CYS:HB2	3	0.12
(1,3572)	1:58:B:GLY:HA2	1:59:B:VAL:HG13	9	0.12
(1,3572)	1:58:B:GLY:HA2	1:59:B:VAL:HG13	14	0.12
(1,3572)	1:58:B:GLY:HA2	1:59:B:VAL:HG13	17	0.12
(1,3571)	1:58:A:GLY:HA2	1:59:A:VAL:HG13	9	0.12
(1,3540)	1:73:B:GLY:HA3	1:68:B:ASP:HB2	8	0.12
(1,3539)	1:73:A:GLY:HA3	1:68:A:ASP:HB2	8	0.12
(1,3508)	1:46:B:GLU:HB3	1:45:B:THR:HB	16	0.12
(1,3460)	1:80:B:PHE:HA	1:75:B:LEU:HA	4	0.12
(1,3460)	1:80:B:PHE:HA	1:75:B:LEU:HA	5	0.12
(1,3459)	1:80:A:PHE:HA	1:75:A:LEU:HA	4	0.12
(1,3459)	1:80:A:PHE:HA	1:75:A:LEU:HA	5	0.12
(1,3448)	1:35:B:SER:HA	1:28:B:ASP:HB3	16	0.12
(1,3447)	1:35:A:SER:HA	1:28:A:ASP:HB3	16	0.12
(1,3440)	1:14:B:ILE:HB	1:13:B:CYS:HA	7	0.12
(1,3439)	1:14:A:ILE:HB	1:13:A:CYS:HA	4	0.12
(1,3439)	1:14:A:ILE:HB	1:13:A:CYS:HA	7	0.12
(1,3433)	1:42:A:PHE:HA	1:46:A:GLU:HA	4	0.12
(1,3432)	1:83:B:LEU:H	1:67:B:LEU:HB2	20	0.12
(1,3431)	1:83:A:LEU:H	1:67:A:LEU:HB2	20	0.12
(1,3410)	1:100:B:PRO:HB2	1:22:A:GLN:HB2	14	0.12
(1,3408)	1:11:B:GLU:HB2	1:46:A:GLU:HA	5	0.12
(1,3382)	1:87:B:LEU:HD23	1:14:A:ILE:HB	14	0.12
(1,3381)	1:87:A:LEU:HD21	1:14:B:ILE:HB	6	0.12
(1,3379)	1:20:A:VAL:HG13	1:12:B:ARG:HG3	14	0.12
(1,3372)	1:10:B:THR:HG21	1:87:A:LEU:HD22	20	0.12
(1,3325)	1:72:A:ASP:H	1:71:A:SER:HA	18	0.12
(1,3169)	1:23:A:LYS:H	1:23:A:LYS:HD3	12	0.12
(1,3166)	1:82:B:ASN:H	1:82:B:ASN:HB3	8	0.12
(1,3165)	1:82:A:ASN:H	1:82:A:ASN:HB3	8	0.12
(1,3165)	1:82:A:ASN:H	1:82:A:ASN:HB3	16	0.12
(1,3144)	1:93:B:ASP:H	1:93:B:ASP:HB2	4	0.12
(1,3143)	1:93:A:ASP:H	1:93:A:ASP:HB2	4	0.12
(1,3143)	1:93:A:ASP:H	1:93:A:ASP:HB2	12	0.12
(1,2886)	1:38:B:GLU:H	1:37:B:THR:HG21	19	0.12
(1,2886)	1:38:B:GLU:H	1:37:B:THR:HG21	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2885)	1:38:A:GLU:H	1:37:A:THR:HG21	19	0.12
(1,2885)	1:38:A:GLU:H	1:37:A:THR:HG21	20	0.12
(1,2754)	1:38:B:GLU:H	1:34:B:LEU:HD21	20	0.12
(1,2753)	1:38:A:GLU:H	1:34:A:LEU:HD21	20	0.12
(1,2692)	1:94:B:SER:H	1:91:B:CYS:H	4	0.12
(1,2691)	1:94:A:SER:H	1:91:A:CYS:H	4	0.12
(1,2682)	1:73:B:GLY:H	1:74:B:GLN:HG3	10	0.12
(1,2656)	1:8:B:THR:H	1:11:B:GLU:HA	8	0.12
(1,2655)	1:8:A:THR:H	1:11:A:GLU:HA	8	0.12
(1,2630)	1:69:B:THR:H	1:67:B:LEU:HB2	20	0.12
(1,2629)	1:69:A:THR:H	1:67:A:LEU:HB2	10	0.12
(1,2629)	1:69:A:THR:H	1:67:A:LEU:HB2	20	0.12
(1,2592)	1:26:B:GLY:H	1:24:B:TYR:HB3	13	0.12
(1,2591)	1:26:A:GLY:H	1:24:A:TYR:HB3	13	0.12
(1,2570)	1:76:B:ASP:H	1:79:B:GLU:HA	10	0.12
(1,2570)	1:76:B:ASP:H	1:79:B:GLU:HA	20	0.12
(1,2569)	1:76:A:ASP:H	1:79:A:GLU:HA	10	0.12
(1,2569)	1:76:A:ASP:H	1:79:A:GLU:HA	20	0.12
(1,2426)	1:41:B:SER:H	1:45:B:THR:H	3	0.12
(1,2426)	1:41:B:SER:H	1:45:B:THR:H	8	0.12
(1,2425)	1:41:A:SER:H	1:45:A:THR:H	8	0.12
(1,2414)	1:25:B:ALA:H	1:35:B:SER:H	13	0.12
(1,2413)	1:25:A:ALA:H	1:35:A:SER:H	13	0.12
(1,2298)	1:52:B:LYS:HA	1:52:B:LYS:HB3	17	0.12
(1,2298)	1:52:B:LYS:HA	1:52:B:LYS:HB3	20	0.12
(1,2266)	1:51:B:THR:HA	1:51:B:THR:HG23	14	0.12
(1,2265)	1:51:A:THR:HA	1:51:A:THR:HG21	11	0.12
(1,2265)	1:51:A:THR:HA	1:51:A:THR:HG23	14	0.12
(1,2262)	1:97:B:LYS:HB3	1:97:B:LYS:HA	1	0.12
(1,2162)	1:9:B:GLU:HA	1:9:B:GLU:HG3	14	0.12
(1,2162)	1:9:B:GLU:HA	1:9:B:GLU:HG3	19	0.12
(1,1924)	1:62:B:ARG:HG3	1:62:B:ARG:HA	16	0.12
(1,1923)	1:62:A:ARG:HG3	1:62:A:ARG:HA	16	0.12
(1,1896)	1:19:B:ALA:HB3	1:9:A:GLU:HG2	11	0.12
(1,1895)	1:19:A:ALA:HB3	1:9:B:GLU:HG2	11	0.12
(1,1857)	1:57:A:PRO:HD3	1:57:A:PRO:HA	20	0.12
(1,1816)	1:15:B:GLU:HA	1:14:B:ILE:HG23	1	0.12
(1,1800)	1:66:B:LYS:HE3	1:63:B:MET:HG3	11	0.12
(1,1696)	1:75:B:LEU:HA	1:33:B:THR:HG22	11	0.12
(1,1695)	1:75:A:LEU:HA	1:33:A:THR:HG22	11	0.12
(1,1632)	1:60:B:LEU:H	1:59:B:VAL:HG23	14	0.12
(1,1632)	1:60:B:LEU:H	1:59:B:VAL:HG21	15	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1631)	1:60:A:LEU:H	1:59:A:VAL:HG22	3	0.12
(1,1631)	1:60:A:LEU:H	1:59:A:VAL:HG21	15	0.12
(1,1631)	1:60:A:LEU:H	1:59:A:VAL:HG23	20	0.12
(1,1624)	1:67:B:LEU:H	1:67:B:LEU:HD13	1	0.12
(1,1454)	1:48:B:ALA:HA	1:51:B:THR:HG23	2	0.12
(1,1453)	1:48:A:ALA:HA	1:51:A:THR:HG23	2	0.12
(1,1378)	1:49:B:ALA:HB1	1:50:B:PHE:HB2	7	0.12
(1,1377)	1:49:A:ALA:HB2	1:50:A:PHE:HB2	18	0.12
(1,1237)	1:62:A:ARG:HB3	1:59:A:VAL:HA	6	0.12
(1,1206)	1:48:B:ALA:HB1	1:52:B:LYS:H	15	0.12
(1,1205)	1:48:A:ALA:HB1	1:52:A:LYS:H	15	0.12
(1,1166)	1:81:B:LEU:HD22	1:80:B:PHE:HB3	8	0.12
(1,1165)	1:81:A:LEU:HD22	1:80:A:PHE:HB3	8	0.12
(1,1133)	1:33:A:THR:HB	1:74:A:GLN:HG3	8	0.12
(1,1094)	1:36:B:LYS:HB2	1:36:B:LYS:HE3	13	0.12
(1,1093)	1:36:A:LYS:HB2	1:36:A:LYS:HE3	13	0.12
(1,1058)	1:68:B:ASP:HA	1:67:B:LEU:HB2	9	0.12
(1,1057)	1:68:A:ASP:HA	1:67:A:LEU:HB2	9	0.12
(1,988)	1:87:B:LEU:HB2	1:86:B:GLY:H	6	0.12
(1,988)	1:87:B:LEU:HB2	1:86:B:GLY:H	13	0.12
(1,988)	1:87:B:LEU:HB2	1:86:B:GLY:H	15	0.12
(1,987)	1:87:A:LEU:HB2	1:86:A:GLY:H	6	0.12
(1,987)	1:87:A:LEU:HB2	1:86:A:GLY:H	13	0.12
(1,987)	1:87:A:LEU:HB2	1:86:A:GLY:H	15	0.12
(1,953)	1:47:A:LEU:H	1:51:A:THR:HG22	14	0.12
(1,950)	1:94:B:SER:HB2	1:91:B:CYS:HB3	19	0.12
(1,910)	1:94:B:SER:HB3	1:95:B:PHE:HB2	18	0.12
(1,909)	1:94:A:SER:HB3	1:95:A:PHE:HB2	18	0.12
(1,902)	1:40:B:LEU:HB3	1:37:B:THR:HG23	16	0.12
(1,877)	1:50:A:PHE:HB3	1:47:A:LEU:HA	2	0.12
(1,856)	1:9:B:GLU:HG3	1:17:A:LEU:HD22	3	0.12
(1,833)	1:96:A:LEU:H	1:96:A:LEU:HD11	2	0.12
(1,708)	1:67:B:LEU:HB2	1:66:B:LYS:HB3	11	0.12
(1,647)	1:14:A:ILE:HB	1:88:B:ALA:HB2	2	0.12
(1,628)	1:89:B:MET:HG2	1:81:A:LEU:HG	17	0.12
(1,628)	1:89:B:MET:HG2	1:81:A:LEU:HG	20	0.12
(1,627)	1:89:A:MET:HG2	1:81:B:LEU:HG	20	0.12
(1,552)	1:42:B:PHE:HA	1:45:B:THR:HG21	8	0.12
(1,552)	1:42:B:PHE:HA	1:45:B:THR:HG23	16	0.12
(1,551)	1:42:A:PHE:HA	1:45:A:THR:HG21	8	0.12
(1,430)	1:9:B:GLU:HG2	1:13:B:CYS:HB3	15	0.12
(1,429)	1:9:A:GLU:HG2	1:13:A:CYS:HB3	15	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,382)	1:11:B:GLU:HG2	1:10:B:THR:H	2	0.12
(1,382)	1:11:B:GLU:HG2	1:10:B:THR:H	3	0.12
(1,381)	1:11:A:GLU:HG2	1:10:A:THR:H	10	0.12
(1,364)	1:47:B:LEU:HD21	1:10:A:THR:H	20	0.12
(1,363)	1:47:A:LEU:HD23	1:10:B:THR:H	14	0.12
(1,356)	1:60:B:LEU:HB2	1:61:B:ASP:HB3	1	0.12
(1,340)	1:23:B:LYS:HA	1:22:B:GLN:H	20	0.12
(1,339)	1:23:A:LYS:HA	1:22:A:GLN:H	20	0.12
(1,302)	1:22:B:GLN:HB3	1:25:B:ALA:HB1	4	0.12
(1,301)	1:22:A:GLN:HB3	1:25:A:ALA:HB1	4	0.12
(1,286)	1:75:B:LEU:HB3	1:39:B:PHE:HB3	5	0.12
(1,286)	1:75:B:LEU:HB3	1:39:B:PHE:HB3	12	0.12
(1,285)	1:75:A:LEU:HB3	1:39:A:PHE:HB3	5	0.12
(1,285)	1:75:A:LEU:HB3	1:39:A:PHE:HB3	12	0.12
(1,280)	1:17:B:LEU:HB2	1:21:B:PHE:H	3	0.12
(1,280)	1:17:B:LEU:HB2	1:21:B:PHE:H	4	0.12
(1,280)	1:17:B:LEU:HB2	1:21:B:PHE:H	7	0.12
(1,279)	1:17:A:LEU:HB2	1:21:A:PHE:H	1	0.12
(1,279)	1:17:A:LEU:HB2	1:21:A:PHE:H	3	0.12
(1,279)	1:17:A:LEU:HB2	1:21:A:PHE:H	7	0.12
(1,248)	1:45:B:THR:HB	1:42:B:PHE:HA	15	0.12
(1,220)	1:75:B:LEU:HD11	1:68:B:ASP:HA	4	0.12
(1,219)	1:75:A:LEU:HD11	1:68:A:ASP:HA	4	0.12
(1,202)	1:33:B:THR:HA	1:75:B:LEU:HA	13	0.12
(1,202)	1:33:B:THR:HA	1:75:B:LEU:HA	14	0.12
(1,201)	1:33:A:THR:HA	1:75:A:LEU:HA	13	0.12
(1,201)	1:33:A:THR:HA	1:75:A:LEU:HA	14	0.12
(1,192)	1:67:B:LEU:HB2	1:63:B:MET:HB2	9	0.12
(1,192)	1:67:B:LEU:HB2	1:63:B:MET:HB2	13	0.12
(1,191)	1:67:A:LEU:HB2	1:63:A:MET:HB2	9	0.12
(1,191)	1:67:A:LEU:HB2	1:63:A:MET:HB2	13	0.12
(1,190)	1:46:B:GLU:HG3	1:24:B:TYR:H	8	0.12
(1,190)	1:46:B:GLU:HG3	1:24:B:TYR:H	14	0.12
(1,166)	1:11:B:GLU:HG3	1:10:B:THR:H	12	0.12
(1,162)	1:76:B:ASP:HB2	1:33:B:THR:HB	13	0.12
(1,161)	1:76:A:ASP:HB2	1:33:A:THR:HB	3	0.12
(1,161)	1:76:A:ASP:HB2	1:33:A:THR:HB	13	0.12
(1,100)	1:89:B:MET:HG2	1:81:A:LEU:HD11	8	0.12
(1,99)	1:89:A:MET:HG2	1:81:B:LEU:HD11	8	0.12
(1,86)	1:9:B:GLU:HB3	1:20:A:VAL:HB	2	0.12
(1,86)	1:9:B:GLU:HB3	1:20:A:VAL:HB	11	0.12
(1,86)	1:9:B:GLU:HB3	1:20:A:VAL:HB	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,85)	1:9:A:GLU:HB3	1:20:B:VAL:HB	11	0.12
(1,85)	1:9:A:GLU:HB3	1:20:B:VAL:HB	14	0.12
(1,81)	1:22:A:GLN:HB2	1:100:B:PRO:HB2	14	0.12
(3,107)	1:92:B:HIS:N	1:88:B:ALA:O	6	0.11
(3,107)	1:92:B:HIS:N	1:88:B:ALA:O	12	0.11
(3,107)	1:92:B:HIS:N	1:88:B:ALA:O	17	0.11
(3,86)	1:44:B:ASN:H	1:40:B:LEU:O	20	0.11
(3,79)	1:25:B:ALA:N	1:21:B:PHE:O	17	0.11
(3,78)	1:24:B:TYR:H	1:20:B:VAL:O	8	0.11
(3,78)	1:24:B:TYR:H	1:20:B:VAL:O	10	0.11
(3,49)	1:92:A:HIS:N	1:88:A:ALA:O	1	0.11
(3,49)	1:92:A:HIS:N	1:88:A:ALA:O	6	0.11
(3,49)	1:92:A:HIS:N	1:88:A:ALA:O	12	0.11
(3,49)	1:92:A:HIS:N	1:88:A:ALA:O	17	0.11
(3,21)	1:25:A:ALA:N	1:21:A:PHE:O	17	0.11
(3,20)	1:24:A:TYR:H	1:20:A:VAL:O	8	0.11
(3,20)	1:24:A:TYR:H	1:20:A:VAL:O	10	0.11
(2,180)	1:13:B:CYS:H	1:11:B:GLU:HG2	4	0.11
(2,179)	1:13:A:CYS:H	1:11:A:GLU:HG2	16	0.11
(2,122)	1:76:B:ASP:HB3	1:68:B:ASP:HA	11	0.11
(2,121)	1:76:A:ASP:HB3	1:68:A:ASP:HA	11	0.11
(2,92)	1:44:B:ASN:HB3	1:47:B:LEU:H	18	0.11
(2,91)	1:44:A:ASN:HB3	1:47:A:LEU:H	18	0.11
(2,58)	1:8:B:THR:HB	1:45:A:THR:HB	2	0.11
(2,58)	1:8:B:THR:HB	1:45:A:THR:HB	10	0.11
(2,57)	1:8:A:THR:HB	1:45:B:THR:HB	2	0.11
(2,57)	1:8:A:THR:HB	1:45:B:THR:HB	10	0.11
(2,57)	1:8:A:THR:HB	1:45:B:THR:HB	17	0.11
(2,48)	1:67:B:LEU:HA	1:64:B:MET:HA	14	0.11
(2,47)	1:67:A:LEU:HA	1:64:A:MET:HA	14	0.11
(2,38)	1:65:B:LYS:H	1:63:B:MET:HG2	11	0.11
(2,37)	1:65:A:LYS:H	1:63:A:MET:HG2	11	0.11
(2,32)	1:38:B:GLU:HA	1:34:B:LEU:HA	8	0.11
(2,28)	1:16:B:SER:HA	1:21:B:PHE:H	20	0.11
(1,5786)	1:99:B:VAL:H	1:95:B:PHE:HA	13	0.11
(1,5786)	1:99:B:VAL:H	1:99:B:VAL:HA	14	0.11
(1,5786)	1:99:B:VAL:H	1:99:B:VAL:HA	18	0.11
(1,5785)	1:99:A:VAL:H	1:99:A:VAL:HA	14	0.11
(1,5666)	1:68:B:ASP:H	1:67:B:LEU:HA	18	0.11
(1,5665)	1:68:A:ASP:H	1:67:A:LEU:HA	8	0.11
(1,5665)	1:68:A:ASP:H	1:67:A:LEU:HA	18	0.11
(1,5644)	1:38:B:GLU:H	1:38:B:GLU:HB3	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5644)	1:38:B:GLU:H	1:38:B:GLU:HB3	7	0.11
(1,5644)	1:38:B:GLU:H	1:38:B:GLU:HB3	11	0.11
(1,5644)	1:38:B:GLU:H	1:38:B:GLU:HB3	14	0.11
(1,5643)	1:38:A:GLU:H	1:38:A:GLU:HB3	5	0.11
(1,5643)	1:38:A:GLU:H	1:38:A:GLU:HB3	7	0.11
(1,5643)	1:38:A:GLU:H	1:38:A:GLU:HB3	11	0.11
(1,5643)	1:38:A:GLU:H	1:38:A:GLU:HB3	14	0.11
(1,5623)	1:84:A:ILE:H	1:87:A:LEU:HD12	19	0.11
(1,5570)	1:44:B:ASN:H	1:60:B:LEU:HD12	15	0.11
(1,5569)	1:44:A:ASN:H	1:60:A:LEU:HD12	15	0.11
(1,5557)	1:88:A:ALA:H	1:81:B:LEU:HD11	16	0.11
(1,5556)	1:68:B:ASP:H	1:67:B:LEU:HB3	1	0.11
(1,5556)	1:68:B:ASP:H	1:67:B:LEU:HB3	7	0.11
(1,5555)	1:68:A:ASP:H	1:67:A:LEU:HB3	13	0.11
(1,5539)	1:10:A:THR:H	1:20:B:VAL:HG23	11	0.11
(1,5539)	1:10:A:THR:H	1:20:B:VAL:HG22	17	0.11
(1,5512)	1:42:B:PHE:H	1:27:B:LYS:HD2	15	0.11
(1,5511)	1:42:A:PHE:H	1:27:A:LYS:HD2	15	0.11
(1,5497)	1:76:A:ASP:H	1:72:A:ASP:HB3	16	0.11
(1,5492)	1:49:B:ALA:H	1:47:B:LEU:HG	8	0.11
(1,5492)	1:49:B:ALA:H	1:47:B:LEU:HG	16	0.11
(1,5492)	1:49:B:ALA:H	1:47:B:LEU:HG	20	0.11
(1,5491)	1:49:A:ALA:H	1:47:A:LEU:HG	8	0.11
(1,5490)	1:21:B:PHE:H	1:23:B:LYS:H	3	0.11
(1,5489)	1:21:A:PHE:H	1:23:A:LYS:H	7	0.11
(1,5489)	1:21:A:PHE:H	1:23:A:LYS:H	8	0.11
(1,5484)	1:51:B:THR:H	1:47:B:LEU:HB2	16	0.11
(1,5483)	1:51:A:THR:H	1:47:A:LEU:HB2	16	0.11
(1,5436)	1:42:B:PHE:H	1:60:B:LEU:HD12	4	0.11
(1,5435)	1:42:A:PHE:H	1:60:A:LEU:HD12	4	0.11
(1,5412)	1:17:B:LEU:H	1:18:B:ILE:HB	16	0.11
(1,5411)	1:17:A:LEU:H	1:18:A:ILE:HB	16	0.11
(1,5366)	1:92:B:HIS:H	1:89:B:MET:HG3	1	0.11
(1,5366)	1:92:B:HIS:H	1:89:B:MET:HG3	12	0.11
(1,5365)	1:92:A:HIS:H	1:89:A:MET:HG3	3	0.11
(1,5365)	1:92:A:HIS:H	1:89:A:MET:HG3	12	0.11
(1,5342)	1:93:B:ASP:H	1:96:B:LEU:HD23	17	0.11
(1,5276)	1:94:B:SER:H	1:96:B:LEU:HD23	15	0.11
(1,5275)	1:94:A:SER:H	1:96:A:LEU:HD23	15	0.11
(1,5275)	1:94:A:SER:H	1:96:A:LEU:HD21	16	0.11
(1,5271)	1:8:A:THR:H	1:46:B:GLU:HB3	18	0.11
(1,5122)	1:66:B:LYS:HB2	1:66:B:LYS:HG3	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5121)	1:66:A:LYS:HB2	1:66:A:LYS:HG3	4	0.11
(1,5092)	1:65:B:LYS:HD2	1:65:B:LYS:HG2	11	0.11
(1,5092)	1:65:B:LYS:HD2	1:65:B:LYS:HG3	18	0.11
(1,5091)	1:65:A:LYS:HD3	1:65:A:LYS:HG2	6	0.11
(1,5091)	1:65:A:LYS:HD2	1:65:A:LYS:HG2	11	0.11
(1,5091)	1:65:A:LYS:HD2	1:65:A:LYS:HG3	18	0.11
(1,5090)	1:52:B:LYS:HG2	1:52:B:LYS:HE3	7	0.11
(1,5089)	1:52:A:LYS:HG2	1:52:A:LYS:HE3	7	0.11
(1,5062)	1:52:B:LYS:HG2	1:52:B:LYS:HA	4	0.11
(1,5034)	1:24:B:TYR:HA	1:27:B:LYS:HD2	4	0.11
(1,5034)	1:24:B:TYR:HA	1:27:B:LYS:HD2	14	0.11
(1,5033)	1:24:A:TYR:HA	1:27:A:LYS:HD2	4	0.11
(1,5020)	1:20:B:VAL:HA	1:20:B:VAL:HG13	12	0.11
(1,5019)	1:20:A:VAL:HA	1:20:A:VAL:HG13	12	0.11
(1,4962)	1:15:B:GLU:HB2	1:12:B:ARG:HA	13	0.11
(1,4962)	1:15:B:GLU:HB2	1:12:B:ARG:HA	15	0.11
(1,4961)	1:15:A:GLU:HB2	1:12:A:ARG:HA	13	0.11
(1,4961)	1:15:A:GLU:HB2	1:12:A:ARG:HA	15	0.11
(1,4937)	1:10:A:THR:HG22	1:87:B:LEU:HD21	6	0.11
(1,4937)	1:10:A:THR:HG21	1:87:B:LEU:HD22	20	0.11
(1,4904)	1:82:B:ASN:HB2	1:66:B:LYS:HE3	19	0.11
(1,4903)	1:82:A:ASN:HB2	1:66:A:LYS:HE3	19	0.11
(1,4700)	1:60:B:LEU:HA	1:60:B:LEU:HG	9	0.11
(1,4700)	1:60:B:LEU:HA	1:60:B:LEU:HG	14	0.11
(1,4699)	1:60:A:LEU:HA	1:60:A:LEU:HG	9	0.11
(1,4699)	1:60:A:LEU:HA	1:60:A:LEU:HG	14	0.11
(1,4650)	1:63:B:MET:HB2	1:67:B:LEU:HD13	14	0.11
(1,4650)	1:63:B:MET:HB2	1:67:B:LEU:HD11	16	0.11
(1,4649)	1:63:A:MET:HB2	1:67:A:LEU:HD13	14	0.11
(1,4649)	1:63:A:MET:HB2	1:67:A:LEU:HD11	16	0.11
(1,4640)	1:88:B:ALA:HA	1:14:A:ILE:HG12	4	0.11
(1,4639)	1:48:A:ALA:HA	1:52:A:LYS:HB2	3	0.11
(1,4639)	1:88:A:ALA:HA	1:14:B:ILE:HG12	16	0.11
(1,4589)	1:88:A:ALA:HB1	1:14:B:ILE:HA	1	0.11
(1,4586)	1:63:B:MET:HG2	1:60:B:LEU:HD23	18	0.11
(1,4585)	1:63:A:MET:HG2	1:60:A:LEU:HD23	18	0.11
(1,4558)	1:63:B:MET:HG2	1:60:B:LEU:HD23	19	0.11
(1,4557)	1:63:A:MET:HG2	1:60:A:LEU:HD23	19	0.11
(1,4554)	1:99:B:VAL:H	1:99:B:VAL:HB	2	0.11
(1,4554)	1:99:B:VAL:H	1:99:B:VAL:HB	17	0.11
(1,4553)	1:99:A:VAL:H	1:99:A:VAL:HB	2	0.11
(1,4553)	1:99:A:VAL:H	1:99:A:VAL:HB	13	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4553)	1:99:A:VAL:H	1:99:A:VAL:HB	17	0.11
(1,4436)	1:20:B:VAL:HG12	1:21:B:PHE:HB3	12	0.11
(1,4435)	1:45:A:THR:HG23	1:42:A:PHE:HB3	18	0.11
(1,4358)	1:48:B:ALA:HA	1:52:B:LYS:HD2	4	0.11
(1,4358)	1:48:B:ALA:HA	1:52:B:LYS:HD3	8	0.11
(1,4357)	1:48:A:ALA:HA	1:52:A:LYS:HD2	4	0.11
(1,4348)	1:82:B:ASN:HB2	1:66:B:LYS:HE3	19	0.11
(1,4347)	1:82:A:ASN:HB2	1:66:A:LYS:HE3	19	0.11
(1,4343)	1:83:A:LEU:HD12	1:87:A:LEU:H	6	0.11
(1,4310)	1:65:B:LYS:HG2	1:64:B:MET:HG3	4	0.11
(1,4309)	1:65:A:LYS:HG2	1:64:A:MET:HG3	4	0.11
(1,4308)	1:65:B:LYS:HG2	1:64:B:MET:HG3	4	0.11
(1,4307)	1:65:A:LYS:HG2	1:64:A:MET:HG3	4	0.11
(1,4262)	1:63:B:MET:HG2	1:59:B:VAL:HA	13	0.11
(1,4261)	1:63:A:MET:HG2	1:59:A:VAL:HA	13	0.11
(1,4192)	1:61:B:ASP:HB3	1:40:B:LEU:HD21	12	0.11
(1,4191)	1:61:A:ASP:HB3	1:40:A:LEU:HD21	12	0.11
(1,4076)	1:53:B:ASN:HA	1:52:B:LYS:HB2	9	0.11
(1,4075)	1:53:A:ASN:HA	1:52:A:LYS:HB2	9	0.11
(1,4025)	1:60:A:LEU:HD13	1:44:A:ASN:HB2	1	0.11
(1,4005)	1:28:A:ASP:HA	1:27:A:LYS:HB2	20	0.11
(1,3990)	1:68:B:ASP:HA	1:75:B:LEU:HB2	12	0.11
(1,3984)	1:60:B:LEU:HD12	1:52:B:LYS:H	9	0.11
(1,3982)	1:94:B:SER:HA	1:97:B:LYS:HE2	17	0.11
(1,3981)	1:94:A:SER:HA	1:97:A:LYS:HE2	17	0.11
(1,3980)	1:82:B:ASN:HA	1:67:B:LEU:HB3	11	0.11
(1,3980)	1:82:B:ASN:HA	1:67:B:LEU:HB3	14	0.11
(1,3979)	1:82:A:ASN:HA	1:67:A:LEU:HB3	11	0.11
(1,3979)	1:82:A:ASN:HA	1:67:A:LEU:HB3	14	0.11
(1,3916)	1:10:B:THR:HB	1:47:A:LEU:HD21	9	0.11
(1,3902)	1:76:B:ASP:HA	1:34:B:LEU:HB2	3	0.11
(1,3902)	1:76:B:ASP:HA	1:34:B:LEU:HB2	8	0.11
(1,3901)	1:76:A:ASP:HA	1:34:A:LEU:HB2	3	0.11
(1,3900)	1:75:B:LEU:HB2	1:64:B:MET:HB2	15	0.11
(1,3867)	1:74:A:GLN:HB3	1:75:A:LEU:HA	1	0.11
(1,3856)	1:44:B:ASN:HA	1:43:B:MET:HA	16	0.11
(1,3855)	1:44:A:ASN:HA	1:43:A:MET:HA	16	0.11
(1,3834)	1:17:B:LEU:HD12	1:14:B:ILE:H	9	0.11
(1,3833)	1:17:A:LEU:HD12	1:14:A:ILE:H	9	0.11
(1,3828)	1:79:B:GLU:H	1:76:B:ASP:HB3	19	0.11
(1,3827)	1:79:A:GLU:H	1:76:A:ASP:HB3	5	0.11
(1,3814)	1:14:B:ILE:HB	1:15:B:GLU:HA	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3700)	1:69:B:THR:HB	1:68:B:ASP:HB3	17	0.11
(1,3699)	1:69:A:THR:HB	1:68:A:ASP:HB3	17	0.11
(1,3642)	1:44:B:ASN:HB2	1:40:B:LEU:HA	3	0.11
(1,3641)	1:44:A:ASN:HB2	1:40:A:LEU:HA	3	0.11
(1,3622)	1:60:B:LEU:HB2	1:63:B:MET:HB2	12	0.11
(1,3621)	1:60:A:LEU:HB2	1:63:A:MET:HB2	12	0.11
(1,3603)	1:14:A:ILE:HB	1:91:B:CYS:HB2	3	0.11
(1,3572)	1:58:B:GLY:HA2	1:59:B:VAL:HG12	19	0.11
(1,3571)	1:58:A:GLY:HA2	1:59:A:VAL:HG13	14	0.11
(1,3571)	1:58:A:GLY:HA2	1:59:A:VAL:HG13	17	0.11
(1,3571)	1:58:A:GLY:HA2	1:59:A:VAL:HG12	19	0.11
(1,3440)	1:14:B:ILE:HB	1:13:B:CYS:HA	4	0.11
(1,3412)	1:22:B:GLN:HG3	1:100:A:PRO:HB2	15	0.11
(1,3403)	1:9:A:GLU:HB2	1:16:B:SER:HB3	6	0.11
(1,3380)	1:20:B:VAL:HG13	1:12:A:ARG:HG3	14	0.11
(1,3371)	1:10:A:THR:HG22	1:87:B:LEU:HD21	6	0.11
(1,3371)	1:10:A:THR:HG21	1:87:B:LEU:HD22	20	0.11
(1,3365)	1:10:A:THR:HG23	1:47:B:LEU:HG	11	0.11
(1,3326)	1:72:B:ASP:H	1:71:B:SER:HA	18	0.11
(1,3173)	1:74:A:GLN:H	1:73:A:GLY:HA3	20	0.11
(1,3170)	1:23:B:LYS:H	1:23:B:LYS:HD3	12	0.11
(1,3166)	1:82:B:ASN:H	1:82:B:ASN:HB3	1	0.11
(1,3166)	1:82:B:ASN:H	1:82:B:ASN:HB3	5	0.11
(1,3166)	1:82:B:ASN:H	1:82:B:ASN:HB3	16	0.11
(1,3165)	1:82:A:ASN:H	1:82:A:ASN:HB3	1	0.11
(1,3165)	1:82:A:ASN:H	1:82:A:ASN:HB3	5	0.11
(1,3144)	1:93:B:ASP:H	1:93:B:ASP:HB2	12	0.11
(1,3124)	1:21:B:PHE:H	1:21:B:PHE:HB3	6	0.11
(1,3124)	1:21:B:PHE:H	1:21:B:PHE:HB3	10	0.11
(1,3123)	1:21:A:PHE:H	1:21:A:PHE:HB3	6	0.11
(1,3123)	1:21:A:PHE:H	1:21:A:PHE:HB3	10	0.11
(1,2886)	1:38:B:GLU:H	1:37:B:THR:HG23	6	0.11
(1,2885)	1:38:A:GLU:H	1:37:A:THR:HG23	6	0.11
(1,2768)	1:80:B:PHE:H	1:75:B:LEU:HB2	12	0.11
(1,2767)	1:80:A:PHE:H	1:75:A:LEU:HB2	12	0.11
(1,2724)	1:78:B:SER:H	1:81:B:LEU:HD12	17	0.11
(1,2723)	1:78:A:SER:H	1:81:A:LEU:HD11	13	0.11
(1,2723)	1:78:A:SER:H	1:81:A:LEU:HD12	17	0.11
(1,2716)	1:22:B:GLN:H	1:18:B:ILE:HG21	11	0.11
(1,2715)	1:22:A:GLN:H	1:18:A:ILE:HG21	11	0.11
(1,2702)	1:74:B:GLN:H	1:33:B:THR:HG23	9	0.11
(1,2701)	1:74:A:GLN:H	1:33:A:THR:HG23	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2682)	1:73:B:GLY:H	1:74:B:GLN:HG3	3	0.11
(1,2681)	1:73:A:GLY:H	1:74:A:GLN:HG3	3	0.11
(1,2656)	1:8:B:THR:H	1:11:B:GLU:HA	14	0.11
(1,2656)	1:8:B:THR:H	1:11:B:GLU:HA	18	0.11
(1,2655)	1:8:A:THR:H	1:11:A:GLU:HA	14	0.11
(1,2655)	1:8:A:THR:H	1:11:A:GLU:HA	18	0.11
(1,2630)	1:69:B:THR:H	1:67:B:LEU:HB2	19	0.11
(1,2629)	1:69:A:THR:H	1:67:A:LEU:HB2	9	0.11
(1,2629)	1:69:A:THR:H	1:67:A:LEU:HB2	19	0.11
(1,2426)	1:41:B:SER:H	1:45:B:THR:H	16	0.11
(1,2425)	1:41:A:SER:H	1:45:A:THR:H	3	0.11
(1,2425)	1:41:A:SER:H	1:45:A:THR:H	16	0.11
(1,2352)	1:47:B:LEU:HD21	1:47:B:LEU:HD23	1	0.11
(1,2352)	1:47:B:LEU:HD22	1:47:B:LEU:HD23	2	0.11
(1,2352)	1:47:B:LEU:HD22	1:47:B:LEU:HD21	3	0.11
(1,2352)	1:47:B:LEU:HD22	1:47:B:LEU:HD21	4	0.11
(1,2352)	1:47:B:LEU:HD22	1:47:B:LEU:HD21	5	0.11
(1,2352)	1:47:B:LEU:HD21	1:47:B:LEU:HD23	6	0.11
(1,2352)	1:47:B:LEU:HD22	1:47:B:LEU:HD23	7	0.11
(1,2352)	1:47:B:LEU:HD22	1:47:B:LEU:HD23	8	0.11
(1,2352)	1:47:B:LEU:HD22	1:47:B:LEU:HD21	9	0.11
(1,2352)	1:47:B:LEU:HD22	1:47:B:LEU:HD23	10	0.11
(1,2352)	1:47:B:LEU:HD22	1:47:B:LEU:HD23	11	0.11
(1,2352)	1:47:B:LEU:HD22	1:47:B:LEU:HD21	12	0.11
(1,2352)	1:47:B:LEU:HD22	1:47:B:LEU:HD21	13	0.11
(1,2352)	1:47:B:LEU:HD21	1:47:B:LEU:HD23	14	0.11
(1,2352)	1:47:B:LEU:HD21	1:47:B:LEU:HD23	15	0.11
(1,2352)	1:47:B:LEU:HD22	1:47:B:LEU:HD23	16	0.11
(1,2352)	1:47:B:LEU:HD22	1:47:B:LEU:HD23	17	0.11
(1,2352)	1:47:B:LEU:HD22	1:47:B:LEU:HD21	18	0.11
(1,2352)	1:47:B:LEU:HD22	1:47:B:LEU:HD23	19	0.11
(1,2352)	1:47:B:LEU:HD22	1:47:B:LEU:HD23	20	0.11
(1,2351)	1:47:A:LEU:HD21	1:47:A:LEU:HD23	1	0.11
(1,2351)	1:47:A:LEU:HD22	1:47:A:LEU:HD23	2	0.11
(1,2351)	1:47:A:LEU:HD22	1:47:A:LEU:HD21	3	0.11
(1,2351)	1:47:A:LEU:HD22	1:47:A:LEU:HD21	4	0.11
(1,2351)	1:47:A:LEU:HD22	1:47:A:LEU:HD21	5	0.11
(1,2351)	1:47:A:LEU:HD21	1:47:A:LEU:HD23	6	0.11
(1,2351)	1:47:A:LEU:HD22	1:47:A:LEU:HD23	7	0.11
(1,2351)	1:47:A:LEU:HD22	1:47:A:LEU:HD23	8	0.11
(1,2351)	1:47:A:LEU:HD22	1:47:A:LEU:HD21	9	0.11
(1,2351)	1:47:A:LEU:HD22	1:47:A:LEU:HD23	10	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2351)	1:47:A:LEU:HD22	1:47:A:LEU:HD23	11	0.11
(1,2351)	1:47:A:LEU:HD22	1:47:A:LEU:HD21	12	0.11
(1,2351)	1:47:A:LEU:HD22	1:47:A:LEU:HD21	13	0.11
(1,2351)	1:47:A:LEU:HD22	1:47:A:LEU:HD21	14	0.11
(1,2351)	1:47:A:LEU:HD22	1:47:A:LEU:HD21	15	0.11
(1,2351)	1:47:A:LEU:HD22	1:47:A:LEU:HD23	16	0.11
(1,2351)	1:47:A:LEU:HD22	1:47:A:LEU:HD23	17	0.11
(1,2351)	1:47:A:LEU:HD22	1:47:A:LEU:HD21	18	0.11
(1,2351)	1:47:A:LEU:HD22	1:47:A:LEU:HD23	19	0.11
(1,2351)	1:47:A:LEU:HD22	1:47:A:LEU:HD23	20	0.11
(1,2298)	1:52:B:LYS:HA	1:52:B:LYS:HB3	4	0.11
(1,2298)	1:52:B:LYS:HA	1:52:B:LYS:HB3	9	0.11
(1,2298)	1:52:B:LYS:HA	1:52:B:LYS:HB3	14	0.11
(1,2297)	1:52:A:LYS:HA	1:52:A:LYS:HB3	4	0.11
(1,2297)	1:52:A:LYS:HA	1:52:A:LYS:HB3	9	0.11
(1,2297)	1:52:A:LYS:HA	1:52:A:LYS:HB3	14	0.11
(1,2297)	1:52:A:LYS:HA	1:52:A:LYS:HB3	20	0.11
(1,2280)	1:12:B:ARG:HB2	1:12:B:ARG:HD3	9	0.11
(1,2279)	1:12:A:ARG:HB2	1:12:A:ARG:HD3	9	0.11
(1,2266)	1:51:B:THR:HA	1:51:B:THR:HG21	11	0.11
(1,2266)	1:51:B:THR:HA	1:51:B:THR:HG22	13	0.11
(1,2265)	1:51:A:THR:HA	1:51:A:THR:HG22	13	0.11
(1,2261)	1:97:A:LYS:HB3	1:97:A:LYS:HA	18	0.11
(1,2162)	1:9:B:GLU:HA	1:9:B:GLU:HG3	20	0.11
(1,2161)	1:9:A:GLU:HA	1:9:A:GLU:HG3	14	0.11
(1,2161)	1:9:A:GLU:HA	1:9:A:GLU:HG3	19	0.11
(1,2161)	1:9:A:GLU:HA	1:9:A:GLU:HG3	20	0.11
(1,1924)	1:62:B:ARG:HG3	1:62:B:ARG:HA	11	0.11
(1,1923)	1:62:A:ARG:HG3	1:62:A:ARG:HA	11	0.11
(1,1895)	1:19:A:ALA:HB1	1:9:B:GLU:HG2	3	0.11
(1,1895)	1:19:A:ALA:HB3	1:9:B:GLU:HG2	9	0.11
(1,1895)	1:19:A:ALA:HB3	1:9:B:GLU:HG2	14	0.11
(1,1858)	1:57:B:PRO:HD3	1:57:B:PRO:HA	20	0.11
(1,1824)	1:63:B:MET:HB2	1:67:B:LEU:HD13	11	0.11
(1,1823)	1:63:A:MET:HB2	1:67:A:LEU:HD13	11	0.11
(1,1815)	1:15:A:GLU:HA	1:14:A:ILE:HG23	1	0.11
(1,1808)	1:10:B:THR:HA	1:10:B:THR:HG22	15	0.11
(1,1807)	1:10:A:THR:HA	1:10:A:THR:HG22	15	0.11
(1,1740)	1:23:B:LYS:HE2	1:8:A:THR:HB	2	0.11
(1,1739)	1:23:A:LYS:HE2	1:8:B:THR:HB	2	0.11
(1,1739)	1:23:A:LYS:HE2	1:8:B:THR:HB	14	0.11
(1,1712)	1:64:B:MET:HA	1:67:B:LEU:HD11	20	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1711)	1:64:A:MET:HA	1:67:A:LEU:HD11	20	0.11
(1,1696)	1:75:B:LEU:HA	1:33:B:THR:HG21	5	0.11
(1,1695)	1:75:A:LEU:HA	1:33:A:THR:HG21	5	0.11
(1,1632)	1:60:B:LEU:H	1:59:B:VAL:HG23	20	0.11
(1,1631)	1:60:A:LEU:H	1:59:A:VAL:HG22	5	0.11
(1,1432)	1:17:B:LEU:H	1:17:B:LEU:HD13	2	0.11
(1,1432)	1:17:B:LEU:H	1:17:B:LEU:HD12	3	0.11
(1,1432)	1:17:B:LEU:H	1:17:B:LEU:HD12	16	0.11
(1,1431)	1:17:A:LEU:H	1:17:A:LEU:HD12	3	0.11
(1,1431)	1:17:A:LEU:H	1:17:A:LEU:HD12	16	0.11
(1,1402)	1:15:B:GLU:HA	1:18:B:ILE:HG21	7	0.11
(1,1401)	1:15:A:GLU:HA	1:18:A:ILE:HG21	7	0.11
(1,1398)	1:68:B:ASP:HB3	1:75:B:LEU:HD23	15	0.11
(1,1398)	1:68:B:ASP:HB3	1:75:B:LEU:HD22	17	0.11
(1,1397)	1:68:A:ASP:HB3	1:75:A:LEU:HD23	15	0.11
(1,1397)	1:68:A:ASP:HB3	1:75:A:LEU:HD22	17	0.11
(1,1377)	1:49:A:ALA:HB1	1:50:A:PHE:HB2	7	0.11
(1,1314)	1:59:B:VAL:HB	1:60:B:LEU:H	8	0.11
(1,1314)	1:59:B:VAL:HB	1:60:B:LEU:H	10	0.11
(1,1314)	1:59:B:VAL:HB	1:60:B:LEU:H	19	0.11
(1,1313)	1:59:A:VAL:HB	1:60:A:LEU:H	8	0.11
(1,1313)	1:59:A:VAL:HB	1:60:A:LEU:H	10	0.11
(1,1313)	1:59:A:VAL:HB	1:60:A:LEU:H	11	0.11
(1,1313)	1:59:A:VAL:HB	1:60:A:LEU:H	19	0.11
(1,1290)	1:36:B:LYS:HA	1:64:B:MET:HG3	5	0.11
(1,1289)	1:36:A:LYS:HA	1:64:A:MET:HG3	5	0.11
(1,1278)	1:81:B:LEU:H	1:81:B:LEU:HD22	6	0.11
(1,1277)	1:81:A:LEU:H	1:81:A:LEU:HD22	6	0.11
(1,1248)	1:27:B:LYS:H	1:27:B:LYS:HD2	12	0.11
(1,1248)	1:27:B:LYS:H	1:27:B:LYS:HD2	13	0.11
(1,1247)	1:27:A:LYS:H	1:27:A:LYS:HD2	12	0.11
(1,1238)	1:62:B:ARG:HB3	1:59:B:VAL:HA	6	0.11
(1,1166)	1:81:B:LEU:HD21	1:80:B:PHE:HB3	14	0.11
(1,1165)	1:81:A:LEU:HD21	1:80:A:PHE:HB3	14	0.11
(1,1158)	1:23:B:LYS:HD3	1:20:B:VAL:HB	2	0.11
(1,1156)	1:76:B:ASP:HB2	1:76:B:ASP:HB3	16	0.11
(1,1156)	1:76:B:ASP:HB2	1:76:B:ASP:HB3	17	0.11
(1,1155)	1:76:A:ASP:HB2	1:76:A:ASP:HB3	16	0.11
(1,1155)	1:76:A:ASP:HB2	1:76:A:ASP:HB3	17	0.11
(1,1094)	1:36:B:LYS:HB2	1:36:B:LYS:HE3	8	0.11
(1,1093)	1:36:A:LYS:HB2	1:36:A:LYS:HE3	8	0.11
(1,1058)	1:68:B:ASP:HA	1:67:B:LEU:HB2	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1057)	1:68:A:ASP:HA	1:67:A:LEU:HB2	3	0.11
(1,1006)	1:9:B:GLU:HG2	1:8:B:THR:HB	12	0.11
(1,1005)	1:9:A:GLU:HG2	1:8:A:THR:HB	12	0.11
(1,988)	1:87:B:LEU:HB2	1:86:B:GLY:H	8	0.11
(1,987)	1:87:A:LEU:HB2	1:86:A:GLY:H	1	0.11
(1,987)	1:87:A:LEU:HB2	1:86:A:GLY:H	8	0.11
(1,986)	1:61:B:ASP:H	1:58:B:GLY:HA3	20	0.11
(1,985)	1:61:A:ASP:H	1:58:A:GLY:HA3	20	0.11
(1,982)	1:34:B:LEU:HD21	1:25:B:ALA:H	20	0.11
(1,981)	1:34:A:LEU:HD21	1:25:A:ALA:H	20	0.11
(1,954)	1:47:B:LEU:H	1:51:B:THR:HG22	14	0.11
(1,949)	1:94:A:SER:HB2	1:91:A:CYS:HB3	19	0.11
(1,940)	1:35:B:SER:HA	1:34:B:LEU:HA	10	0.11
(1,940)	1:35:B:SER:HA	1:34:B:LEU:HA	11	0.11
(1,940)	1:35:B:SER:HA	1:34:B:LEU:HA	19	0.11
(1,939)	1:35:A:SER:HA	1:34:A:LEU:HA	10	0.11
(1,939)	1:35:A:SER:HA	1:34:A:LEU:HA	19	0.11
(1,901)	1:40:A:LEU:HB3	1:37:A:THR:HG23	16	0.11
(1,834)	1:96:B:LEU:H	1:96:B:LEU:HD12	10	0.11
(1,833)	1:96:A:LEU:H	1:96:A:LEU:HD11	14	0.11
(1,828)	1:40:B:LEU:HA	1:39:B:PHE:HB2	19	0.11
(1,827)	1:40:A:LEU:HA	1:39:A:PHE:HB2	19	0.11
(1,708)	1:67:B:LEU:HB2	1:66:B:LYS:HB3	4	0.11
(1,707)	1:67:A:LEU:HB2	1:66:A:LYS:HB3	4	0.11
(1,686)	1:84:B:ILE:HB	1:83:B:LEU:HG	3	0.11
(1,686)	1:84:B:ILE:HB	1:83:B:LEU:HG	8	0.11
(1,685)	1:84:A:ILE:HB	1:83:A:LEU:HG	3	0.11
(1,685)	1:84:A:ILE:HB	1:83:A:LEU:HG	8	0.11
(1,680)	1:63:B:MET:HG2	1:60:B:LEU:HB3	6	0.11
(1,662)	1:73:B:GLY:HA2	1:74:B:GLN:HG3	7	0.11
(1,662)	1:73:B:GLY:HA2	1:74:B:GLN:HG3	9	0.11
(1,661)	1:73:A:GLY:HA2	1:74:A:GLN:HG3	7	0.11
(1,661)	1:73:A:GLY:HA2	1:74:A:GLN:HG3	9	0.11
(1,648)	1:14:B:ILE:HB	1:88:A:ALA:HB2	2	0.11
(1,627)	1:89:A:MET:HG2	1:81:B:LEU:HG	9	0.11
(1,610)	1:63:B:MET:H	1:62:B:ARG:HG2	16	0.11
(1,609)	1:63:A:MET:H	1:62:A:ARG:HG2	16	0.11
(1,484)	1:14:B:ILE:HB	1:10:B:THR:HG21	19	0.11
(1,396)	1:25:B:ALA:HB3	1:75:B:LEU:H	7	0.11
(1,395)	1:25:A:ALA:HB3	1:75:A:LEU:H	7	0.11
(1,388)	1:100:B:PRO:HD3	1:95:B:PHE:HB3	3	0.11
(1,387)	1:100:A:PRO:HD3	1:95:A:PHE:HB3	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,382)	1:11:B:GLU:HG2	1:10:B:THR:H	11	0.11
(1,382)	1:11:B:GLU:HG2	1:10:B:THR:H	17	0.11
(1,382)	1:11:B:GLU:HG2	1:10:B:THR:H	19	0.11
(1,381)	1:11:A:GLU:HG2	1:10:A:THR:H	2	0.11
(1,381)	1:11:A:GLU:HG2	1:10:A:THR:H	3	0.11
(1,381)	1:11:A:GLU:HG2	1:10:A:THR:H	16	0.11
(1,381)	1:11:A:GLU:HG2	1:10:A:THR:H	19	0.11
(1,355)	1:60:A:LEU:HB2	1:61:A:ASP:HB3	1	0.11
(1,340)	1:23:B:LYS:HA	1:22:B:GLN:H	14	0.11
(1,302)	1:22:B:GLN:HB2	1:25:B:ALA:HB1	19	0.11
(1,301)	1:22:A:GLN:HB2	1:25:A:ALA:HB1	19	0.11
(1,285)	1:75:A:LEU:HB3	1:39:A:PHE:HB3	14	0.11
(1,280)	1:17:B:LEU:HB2	1:21:B:PHE:H	2	0.11
(1,280)	1:17:B:LEU:HB2	1:21:B:PHE:H	8	0.11
(1,280)	1:17:B:LEU:HB2	1:21:B:PHE:H	14	0.11
(1,280)	1:17:B:LEU:HB2	1:21:B:PHE:H	16	0.11
(1,280)	1:17:B:LEU:HB2	1:21:B:PHE:H	17	0.11
(1,279)	1:17:A:LEU:HB2	1:21:A:PHE:H	2	0.11
(1,279)	1:17:A:LEU:HB2	1:21:A:PHE:H	4	0.11
(1,279)	1:17:A:LEU:HB2	1:21:A:PHE:H	8	0.11
(1,279)	1:17:A:LEU:HB2	1:21:A:PHE:H	14	0.11
(1,279)	1:17:A:LEU:HB2	1:21:A:PHE:H	16	0.11
(1,279)	1:17:A:LEU:HB2	1:21:A:PHE:H	17	0.11
(1,192)	1:67:B:LEU:HB2	1:63:B:MET:HB2	4	0.11
(1,192)	1:67:B:LEU:HB2	1:63:B:MET:HB2	14	0.11
(1,191)	1:67:A:LEU:HB2	1:63:A:MET:HB2	4	0.11
(1,191)	1:67:A:LEU:HB2	1:63:A:MET:HB2	14	0.11
(1,191)	1:67:A:LEU:HB2	1:63:A:MET:HB2	17	0.11
(1,189)	1:46:A:GLU:HG3	1:24:A:TYR:H	8	0.11
(1,168)	1:76:B:ASP:HB2	1:75:B:LEU:HA	10	0.11
(1,167)	1:76:A:ASP:HB2	1:75:A:LEU:HA	10	0.11
(1,165)	1:11:A:GLU:HG3	1:10:A:THR:H	12	0.11
(1,162)	1:76:B:ASP:HB2	1:33:B:THR:HB	3	0.11
(1,127)	1:80:A:PHE:HA	1:75:A:LEU:HA	15	0.11
(1,104)	1:89:B:MET:HG3	1:78:A:SER:HB3	19	0.11
(1,91)	1:9:A:GLU:HB3	1:20:B:VAL:HG11	15	0.11
(1,86)	1:9:B:GLU:HB3	1:20:A:VAL:HB	20	0.11
(1,85)	1:9:A:GLU:HB3	1:20:B:VAL:HB	20	0.11
(3,107)	1:92:B:HIS:N	1:88:B:ALA:O	18	0.1
(3,106)	1:90:B:ALA:H	1:87:B:LEU:O	10	0.1
(3,78)	1:24:B:TYR:H	1:20:B:VAL:O	6	0.1
(3,62)	1:75:B:LEU:N	1:34:B:LEU:O	13	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,49)	1:92:A:HIS:N	1:88:A:ALA:O	18	0.1
(3,48)	1:90:A:ALA:H	1:87:A:LEU:O	10	0.1
(3,28)	1:44:A:ASN:H	1:40:A:LEU:O	20	0.1
(3,21)	1:25:A:ALA:N	1:21:A:PHE:O	12	0.1
(3,4)	1:75:A:LEU:N	1:34:A:LEU:O	13	0.1
(2,179)	1:13:A:CYS:H	1:11:A:GLU:HG2	4	0.1
(2,148)	1:89:B:MET:HG2	1:93:B:ASP:HB3	14	0.1
(2,147)	1:89:A:MET:HG2	1:93:A:ASP:HB3	14	0.1
(2,144)	1:89:B:MET:HG2	1:93:B:ASP:HB3	14	0.1
(2,143)	1:89:A:MET:HG2	1:93:A:ASP:HB3	14	0.1
(2,130)	1:89:B:MET:HG2	1:93:B:ASP:HB3	14	0.1
(2,129)	1:89:A:MET:HG2	1:93:A:ASP:HB3	14	0.1
(2,122)	1:76:B:ASP:HB3	1:68:B:ASP:HA	8	0.1
(2,122)	1:76:B:ASP:HB3	1:68:B:ASP:HA	10	0.1
(2,121)	1:76:A:ASP:HB3	1:68:A:ASP:HA	8	0.1
(2,37)	1:65:A:LYS:H	1:63:A:MET:HG2	13	0.1
(2,32)	1:38:B:GLU:HA	1:34:B:LEU:HA	11	0.1
(2,31)	1:38:A:GLU:HA	1:34:A:LEU:HA	11	0.1
(2,28)	1:16:B:SER:HA	1:21:B:PHE:H	12	0.1
(2,27)	1:16:A:SER:HA	1:21:A:PHE:H	12	0.1
(2,27)	1:16:A:SER:HA	1:21:A:PHE:H	20	0.1
(1,5785)	1:99:A:VAL:H	1:99:A:VAL:HA	18	0.1
(1,5644)	1:38:B:GLU:H	1:38:B:GLU:HB3	13	0.1
(1,5643)	1:38:A:GLU:H	1:38:A:GLU:HB3	13	0.1
(1,5624)	1:84:B:ILE:H	1:87:B:LEU:HD12	19	0.1
(1,5602)	1:84:B:ILE:H	1:87:B:LEU:HD11	3	0.1
(1,5602)	1:84:B:ILE:H	1:87:B:LEU:HD11	4	0.1
(1,5601)	1:84:A:ILE:H	1:87:A:LEU:HD11	3	0.1
(1,5601)	1:84:A:ILE:H	1:87:A:LEU:HD11	4	0.1
(1,5558)	1:88:B:ALA:H	1:81:A:LEU:HD11	16	0.1
(1,5556)	1:68:B:ASP:H	1:67:B:LEU:HB3	8	0.1
(1,5555)	1:68:A:ASP:H	1:67:A:LEU:HB3	7	0.1
(1,5540)	1:10:B:THR:H	1:20:A:VAL:HG23	11	0.1
(1,5540)	1:10:B:THR:H	1:20:A:VAL:HG21	20	0.1
(1,5526)	1:17:B:LEU:H	1:15:B:GLU:HA	12	0.1
(1,5525)	1:17:A:LEU:H	1:15:A:GLU:HA	12	0.1
(1,5497)	1:76:A:ASP:H	1:77:A:PHE:HB2	9	0.1
(1,5491)	1:49:A:ALA:H	1:47:A:LEU:HG	20	0.1
(1,5490)	1:21:B:PHE:H	1:23:B:LYS:H	6	0.1
(1,5464)	1:45:B:THR:H	1:46:B:GLU:HB2	9	0.1
(1,5463)	1:45:A:THR:H	1:46:A:GLU:HB2	9	0.1
(1,5456)	1:47:B:LEU:H	1:45:B:THR:HA	1	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5455)	1:47:A:LEU:H	1:45:A:THR:HA	1	0.1
(1,5366)	1:92:B:HIS:H	1:15:A:GLU:HG2	8	0.1
(1,5365)	1:92:A:HIS:H	1:89:A:MET:HG3	1	0.1
(1,5365)	1:92:A:HIS:H	1:89:A:MET:HG3	7	0.1
(1,5276)	1:94:B:SER:H	1:96:B:LEU:HD21	16	0.1
(1,5272)	1:8:B:THR:H	1:46:A:GLU:HB3	20	0.1
(1,5092)	1:65:B:LYS:HD2	1:65:B:LYS:HG3	4	0.1
(1,5092)	1:65:B:LYS:HG3	1:65:B:LYS:HB2	5	0.1
(1,5092)	1:65:B:LYS:HD3	1:65:B:LYS:HG2	6	0.1
(1,5092)	1:65:B:LYS:HG3	1:65:B:LYS:HB2	10	0.1
(1,5092)	1:65:B:LYS:HD2	1:65:B:LYS:HG2	14	0.1
(1,5092)	1:65:B:LYS:HG3	1:65:B:LYS:HB2	19	0.1
(1,5091)	1:65:A:LYS:HD2	1:65:A:LYS:HG3	4	0.1
(1,5091)	1:65:A:LYS:HG3	1:65:A:LYS:HB2	5	0.1
(1,5091)	1:65:A:LYS:HG3	1:65:A:LYS:HB2	10	0.1
(1,5091)	1:65:A:LYS:HG3	1:65:A:LYS:HB2	19	0.1
(1,5090)	1:52:B:LYS:HG2	1:52:B:LYS:HE3	18	0.1
(1,5089)	1:52:A:LYS:HG3	1:52:A:LYS:HE2	2	0.1
(1,5089)	1:52:A:LYS:HG2	1:52:A:LYS:HE3	18	0.1
(1,5034)	1:24:B:TYR:HA	1:27:B:LYS:HD2	1	0.1
(1,5033)	1:24:A:TYR:HA	1:27:A:LYS:HD2	1	0.1
(1,5033)	1:24:A:TYR:HA	1:27:A:LYS:HD2	14	0.1
(1,4715)	1:17:A:LEU:HD22	1:13:B:CYS:HB2	14	0.1
(1,4698)	1:60:B:LEU:HA	1:60:B:LEU:HG	9	0.1
(1,4698)	1:60:B:LEU:HA	1:60:B:LEU:HG	14	0.1
(1,4697)	1:60:A:LEU:HA	1:60:A:LEU:HG	9	0.1
(1,4697)	1:60:A:LEU:HA	1:60:A:LEU:HG	14	0.1
(1,4695)	1:20:A:VAL:HG12	1:47:A:LEU:HD22	4	0.1
(1,4650)	1:63:B:MET:HB2	1:67:B:LEU:HD12	5	0.1
(1,4649)	1:63:A:MET:HB2	1:67:A:LEU:HD12	5	0.1
(1,4644)	1:10:B:THR:HG21	1:20:A:VAL:HB	16	0.1
(1,4640)	1:48:B:ALA:HA	1:52:B:LYS:HB2	3	0.1
(1,4619)	1:68:A:ASP:HB2	1:73:A:GLY:HA2	19	0.1
(1,4606)	1:75:B:LEU:HD11	1:83:B:LEU:HB2	19	0.1
(1,4590)	1:88:B:ALA:HB1	1:14:A:ILE:HA	1	0.1
(1,4535)	1:64:A:MET:HG3	1:75:A:LEU:HD23	10	0.1
(1,4529)	1:7:A:PRO:HG2	1:8:A:THR:HG22	12	0.1
(1,4486)	1:95:B:PHE:HB2	1:18:A:ILE:HG22	13	0.1
(1,4485)	1:95:A:PHE:HB2	1:18:B:ILE:HG22	13	0.1
(1,4470)	1:33:B:THR:HG23	1:79:B:GLU:H	19	0.1
(1,4469)	1:33:A:THR:HG21	1:79:A:GLU:H	18	0.1
(1,4469)	1:33:A:THR:HG23	1:79:A:GLU:H	19	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4460)	1:20:B:VAL:HG22	1:81:B:LEU:HD21	5	0.1
(1,4455)	1:57:A:PRO:HA	1:60:A:LEU:HD12	7	0.1
(1,4436)	1:45:B:THR:HG23	1:42:B:PHE:HB3	18	0.1
(1,4435)	1:20:A:VAL:HG12	1:21:A:PHE:HB3	12	0.1
(1,4428)	1:83:B:LEU:HD12	1:87:B:LEU:H	14	0.1
(1,4356)	1:23:B:LYS:HB2	1:23:B:LYS:HE3	10	0.1
(1,4060)	1:97:B:LYS:HG3	1:98:B:ALA:H	6	0.1
(1,4059)	1:97:A:LYS:HG3	1:98:A:ALA:H	6	0.1
(1,4045)	1:11:A:GLU:HB2	1:10:A:THR:HG23	8	0.1
(1,4006)	1:28:B:ASP:HA	1:27:B:LYS:HB2	20	0.1
(1,3989)	1:68:A:ASP:HA	1:75:A:LEU:HB2	12	0.1
(1,3939)	1:75:A:LEU:HD11	1:67:A:LEU:H	10	0.1
(1,3901)	1:76:A:ASP:HA	1:34:A:LEU:HB2	8	0.1
(1,3876)	1:33:B:THR:HG23	1:79:B:GLU:H	19	0.1
(1,3875)	1:33:A:THR:HG21	1:79:A:GLU:H	18	0.1
(1,3875)	1:33:A:THR:HG23	1:79:A:GLU:H	19	0.1
(1,3868)	1:74:B:GLN:HB3	1:75:B:LEU:HA	1	0.1
(1,3856)	1:44:B:ASN:HA	1:43:B:MET:HA	9	0.1
(1,3855)	1:44:A:ASN:HA	1:43:A:MET:HA	9	0.1
(1,3846)	1:8:B:THR:HA	1:12:B:ARG:HG2	13	0.1
(1,3845)	1:8:A:THR:HA	1:12:A:ARG:HG2	13	0.1
(1,3844)	1:17:B:LEU:HB3	1:14:B:ILE:HA	6	0.1
(1,3843)	1:17:A:LEU:HB3	1:14:A:ILE:HA	6	0.1
(1,3827)	1:79:A:GLU:H	1:76:A:ASP:HB3	19	0.1
(1,3700)	1:69:B:THR:HB	1:68:B:ASP:HB3	13	0.1
(1,3699)	1:69:A:THR:HB	1:68:A:ASP:HB3	13	0.1
(1,3654)	1:8:B:THR:HB	1:10:B:THR:HA	18	0.1
(1,3629)	1:63:A:MET:HG3	1:64:A:MET:HA	8	0.1
(1,3603)	1:14:A:ILE:HB	1:91:B:CYS:HB2	14	0.1
(1,3577)	1:51:A:THR:HB	1:44:A:ASN:HB3	10	0.1
(1,3572)	1:58:B:GLY:HA2	1:59:B:VAL:HG11	6	0.1
(1,3571)	1:58:A:GLY:HA2	1:59:A:VAL:HG11	6	0.1
(1,3463)	1:87:A:LEU:HB3	1:50:A:PHE:HB2	5	0.1
(1,3433)	1:42:A:PHE:HA	1:46:A:GLU:HA	14	0.1
(1,3407)	1:11:A:GLU:HB2	1:46:B:GLU:HA	5	0.1
(1,3380)	1:20:B:VAL:HG11	1:12:A:ARG:HG3	12	0.1
(1,3379)	1:20:A:VAL:HG11	1:12:B:ARG:HG3	12	0.1
(1,3314)	1:60:B:LEU:H	1:60:B:LEU:HD21	12	0.1
(1,3174)	1:74:B:GLN:H	1:73:B:GLY:HA3	20	0.1
(1,2724)	1:78:B:SER:H	1:81:B:LEU:HD11	13	0.1
(1,2716)	1:22:B:GLN:H	1:18:B:ILE:HG23	7	0.1
(1,2715)	1:22:A:GLN:H	1:18:A:ILE:HG23	7	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2701)	1:74:A:GLN:H	1:33:A:THR:HG22	5	0.1
(1,2656)	1:8:B:THR:H	1:11:B:GLU:HA	3	0.1
(1,2655)	1:8:A:THR:H	1:11:A:GLU:HA	3	0.1
(1,2630)	1:69:B:THR:H	1:67:B:LEU:HB2	9	0.1
(1,2626)	1:86:B:GLY:H	1:89:B:MET:HB2	3	0.1
(1,2625)	1:86:A:GLY:H	1:89:A:MET:HB2	3	0.1
(1,2592)	1:26:B:GLY:H	1:24:B:TYR:HB3	10	0.1
(1,2490)	1:38:B:GLU:H	1:34:B:LEU:HA	3	0.1
(1,2490)	1:38:B:GLU:H	1:34:B:LEU:HA	17	0.1
(1,2489)	1:38:A:GLU:H	1:34:A:LEU:HA	3	0.1
(1,2298)	1:52:B:LYS:HA	1:52:B:LYS:HB3	13	0.1
(1,2298)	1:52:B:LYS:HA	1:52:B:LYS:HB3	15	0.1
(1,2297)	1:52:A:LYS:HA	1:52:A:LYS:HB3	13	0.1
(1,2262)	1:97:B:LYS:HB3	1:97:B:LYS:HA	15	0.1
(1,2262)	1:97:B:LYS:HB3	1:97:B:LYS:HA	18	0.1
(1,2261)	1:97:A:LYS:HB3	1:97:A:LYS:HA	15	0.1
(1,2232)	1:83:B:LEU:HD13	1:87:B:LEU:HD11	9	0.1
(1,2162)	1:9:B:GLU:HA	1:9:B:GLU:HG3	5	0.1
(1,2161)	1:9:A:GLU:HA	1:9:A:GLU:HG3	5	0.1
(1,1896)	1:19:B:ALA:HB1	1:9:A:GLU:HG3	15	0.1
(1,1894)	1:25:B:ALA:HA	1:34:B:LEU:HD21	12	0.1
(1,1893)	1:25:A:ALA:HA	1:34:A:LEU:HD21	12	0.1
(1,1824)	1:63:B:MET:HB2	1:67:B:LEU:HD12	8	0.1
(1,1823)	1:63:A:MET:HB2	1:67:A:LEU:HD12	8	0.1
(1,1768)	1:20:B:VAL:HG13	1:24:B:TYR:H	4	0.1
(1,1767)	1:20:A:VAL:HG13	1:24:A:TYR:H	4	0.1
(1,1740)	1:23:B:LYS:HE2	1:8:A:THR:HB	14	0.1
(1,1696)	1:75:B:LEU:HA	1:33:B:THR:HG23	8	0.1
(1,1695)	1:75:A:LEU:HA	1:33:A:THR:HG23	8	0.1
(1,1632)	1:60:B:LEU:H	1:59:B:VAL:HG22	5	0.1
(1,1632)	1:60:B:LEU:H	1:59:B:VAL:HG23	13	0.1
(1,1631)	1:60:A:LEU:H	1:59:A:VAL:HG23	13	0.1
(1,1623)	1:67:A:LEU:H	1:67:A:LEU:HD12	5	0.1
(1,1623)	1:67:A:LEU:H	1:67:A:LEU:HD12	8	0.1
(1,1600)	1:13:B:CYS:HB2	1:17:A:LEU:HD22	1	0.1
(1,1599)	1:13:A:CYS:HB2	1:17:B:LEU:HD22	1	0.1
(1,1432)	1:17:B:LEU:H	1:17:B:LEU:HD13	5	0.1
(1,1431)	1:17:A:LEU:H	1:17:A:LEU:HD13	2	0.1
(1,1426)	1:47:B:LEU:HD13	1:50:B:PHE:HB2	9	0.1
(1,1425)	1:47:A:LEU:HD13	1:50:A:PHE:HB2	9	0.1
(1,1402)	1:15:B:GLU:HA	1:18:B:ILE:HG22	5	0.1
(1,1401)	1:15:A:GLU:HA	1:18:A:ILE:HG22	5	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1314)	1:59:B:VAL:HB	1:60:B:LEU:H	4	0.1
(1,1314)	1:59:B:VAL:HB	1:60:B:LEU:H	11	0.1
(1,1313)	1:59:A:VAL:HB	1:60:A:LEU:H	4	0.1
(1,1247)	1:27:A:LYS:H	1:27:A:LYS:HD2	13	0.1
(1,1209)	1:52:A:LYS:HE2	1:51:A:THR:HG23	3	0.1
(1,1157)	1:23:A:LYS:HD3	1:20:A:VAL:HB	2	0.1
(1,1155)	1:76:A:ASP:HB2	1:76:A:ASP:HB3	4	0.1
(1,988)	1:87:B:LEU:HB2	1:86:B:GLY:H	1	0.1
(1,988)	1:87:B:LEU:HB2	1:86:B:GLY:H	18	0.1
(1,987)	1:87:A:LEU:HB2	1:86:A:GLY:H	18	0.1
(1,940)	1:35:B:SER:HA	1:34:B:LEU:HA	7	0.1
(1,940)	1:35:B:SER:HA	1:34:B:LEU:HA	8	0.1
(1,939)	1:35:A:SER:HA	1:34:A:LEU:HA	7	0.1
(1,939)	1:35:A:SER:HA	1:34:A:LEU:HA	8	0.1
(1,939)	1:35:A:SER:HA	1:34:A:LEU:HA	11	0.1
(1,834)	1:96:B:LEU:H	1:96:B:LEU:HD11	14	0.1
(1,833)	1:96:A:LEU:H	1:96:A:LEU:HD11	8	0.1
(1,833)	1:96:A:LEU:H	1:96:A:LEU:HD12	10	0.1
(1,708)	1:67:B:LEU:HB2	1:66:B:LYS:HB3	13	0.1
(1,707)	1:67:A:LEU:HB2	1:66:A:LYS:HB3	13	0.1
(1,690)	1:17:B:LEU:HG	1:81:B:LEU:HD21	17	0.1
(1,689)	1:17:A:LEU:HG	1:81:A:LEU:HD21	12	0.1
(1,689)	1:17:A:LEU:HG	1:81:A:LEU:HD21	17	0.1
(1,686)	1:84:B:ILE:HB	1:83:B:LEU:HG	20	0.1
(1,685)	1:84:A:ILE:HB	1:83:A:LEU:HG	20	0.1
(1,679)	1:63:A:MET:HG2	1:60:A:LEU:HB3	2	0.1
(1,679)	1:63:A:MET:HG2	1:60:A:LEU:HB3	6	0.1
(1,627)	1:89:A:MET:HG2	1:81:B:LEU:HG	17	0.1
(1,483)	1:14:A:ILE:HB	1:10:A:THR:HG21	19	0.1
(1,465)	1:23:A:LYS:HE3	1:24:A:TYR:H	11	0.1
(1,443)	1:15:A:GLU:HG3	1:91:B:CYS:HB3	4	0.1
(1,382)	1:11:B:GLU:HG2	1:10:B:THR:H	16	0.1
(1,381)	1:11:A:GLU:HG2	1:10:A:THR:H	11	0.1
(1,381)	1:11:A:GLU:HG2	1:10:A:THR:H	17	0.1
(1,356)	1:60:B:LEU:HB2	1:61:B:ASP:HB3	9	0.1
(1,355)	1:60:A:LEU:HB2	1:61:A:ASP:HB3	9	0.1
(1,340)	1:23:B:LYS:HA	1:22:B:GLN:H	18	0.1
(1,339)	1:23:A:LYS:HA	1:22:A:GLN:H	14	0.1
(1,339)	1:23:A:LYS:HA	1:22:A:GLN:H	18	0.1
(1,322)	1:22:B:GLN:HG3	1:25:B:ALA:HB1	3	0.1
(1,321)	1:22:A:GLN:HG3	1:25:A:ALA:HB1	3	0.1
(1,286)	1:75:B:LEU:HB3	1:39:B:PHE:HB3	14	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,192)	1:67:B:LEU:HB2	1:63:B:MET:HB2	17	0.1
(1,166)	1:11:B:GLU:HG3	1:10:B:THR:H	20	0.1
(1,165)	1:11:A:GLU:HG3	1:10:A:THR:H	20	0.1
(1,147)	1:18:A:ILE:HG22	1:92:B:HIS:H	19	0.1
(1,128)	1:80:B:PHE:HA	1:75:B:LEU:HA	15	0.1
(1,50)	1:20:B:VAL:HG11	1:9:A:GLU:HG2	5	0.1
(1,42)	1:81:B:LEU:HD23	1:88:A:ALA:HB1	18	0.1
(1,41)	1:81:A:LEU:HD23	1:88:B:ALA:HB1	18	0.1
(1,41)	1:81:A:LEU:HD23	1:88:B:ALA:HB1	19	0.1
(1,40)	1:87:B:LEU:HD22	1:14:A:ILE:HD12	13	0.1
(1,39)	1:87:A:LEU:HD22	1:14:B:ILE:HD12	13	0.1

10 Dihedral-angle violation analysis

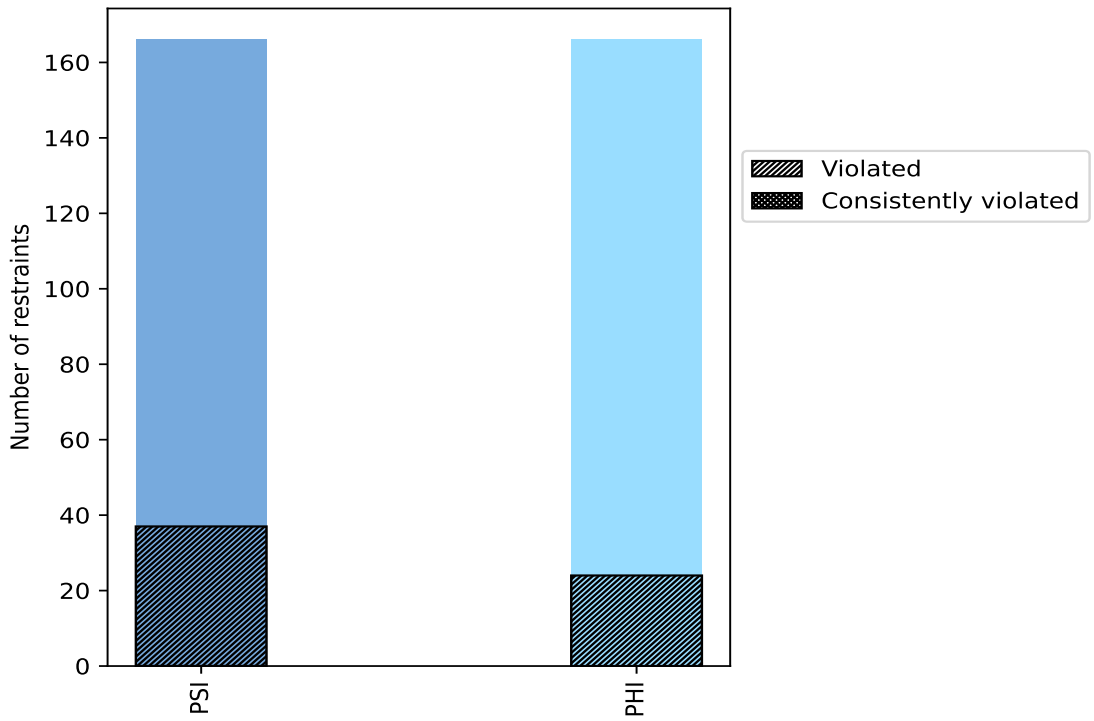
10.1 Summary of dihedral-angle violations

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	%[1]	Violated[3]			Consistently Violated[4]		
			Count	%[2]	%[1]	Count	%[2]	%[1]
PSI	166	50.0	37	22.3	11.1	0	0.0	0.0
PHI	166	50.0	24	14.5	7.2	0	0.0	0.0
Total	332	100.0	61	18.4	18.4	0	0.0	0.0

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

10.1.1 Bar chart : Distribution of dihedral-angles and violations



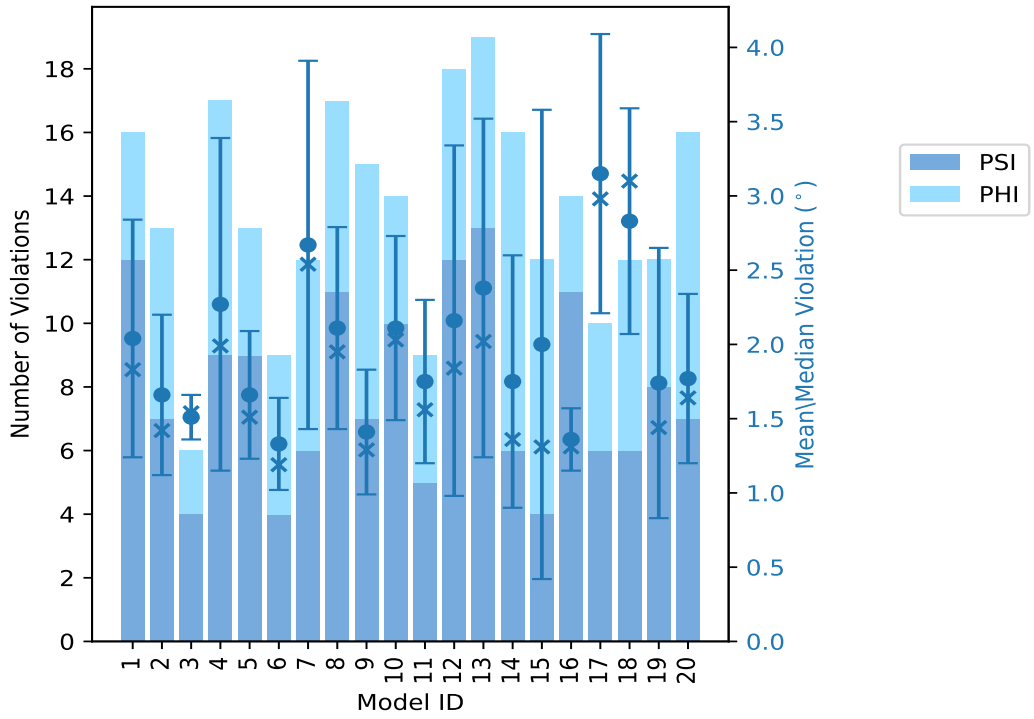
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

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	3.82	0.8	1.83
2	7	6	13	1.66	2.55	0.54	1.42
3	4	2	6	1.51	1.7	0.15	1.54
4	9	8	17	2.27	4.66	1.12	1.99
5	9	4	13	1.66	2.5	0.43	1.51
6	4	5	9	1.33	1.9	0.31	1.19
7	6	6	12	2.67	5.03	1.24	2.54
8	11	6	17	2.11	3.53	0.68	1.95
9	7	8	15	1.41	2.52	0.42	1.29
10	10	4	14	2.11	3.13	0.62	2.03
11	5	4	9	1.75	2.46	0.55	1.56
12	12	6	18	2.16	4.77	1.18	1.84
13	13	6	19	2.38	5.06	1.14	2.02
14	6	10	16	1.75	3.91	0.85	1.36
15	4	8	12	2.0	5.61	1.58	1.31
16	11	3	14	1.36	1.78	0.21	1.31
17	6	4	10	3.15	4.66	0.94	2.98
18	6	6	12	2.83	3.74	0.76	3.1
19	8	4	12	1.74	3.77	0.91	1.44
20	7	9	16	1.77	2.86	0.57	1.64

10.2.1 Bar graph : Dihedral 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

10.3 Dihedral-angle violation statistics for the ensemble

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[1]	%
12	10	22	1	5.0
2	6	8	2	10.0
7	0	7	3	15.0
1	1	2	4	20.0
5	0	5	5	25.0
2	1	3	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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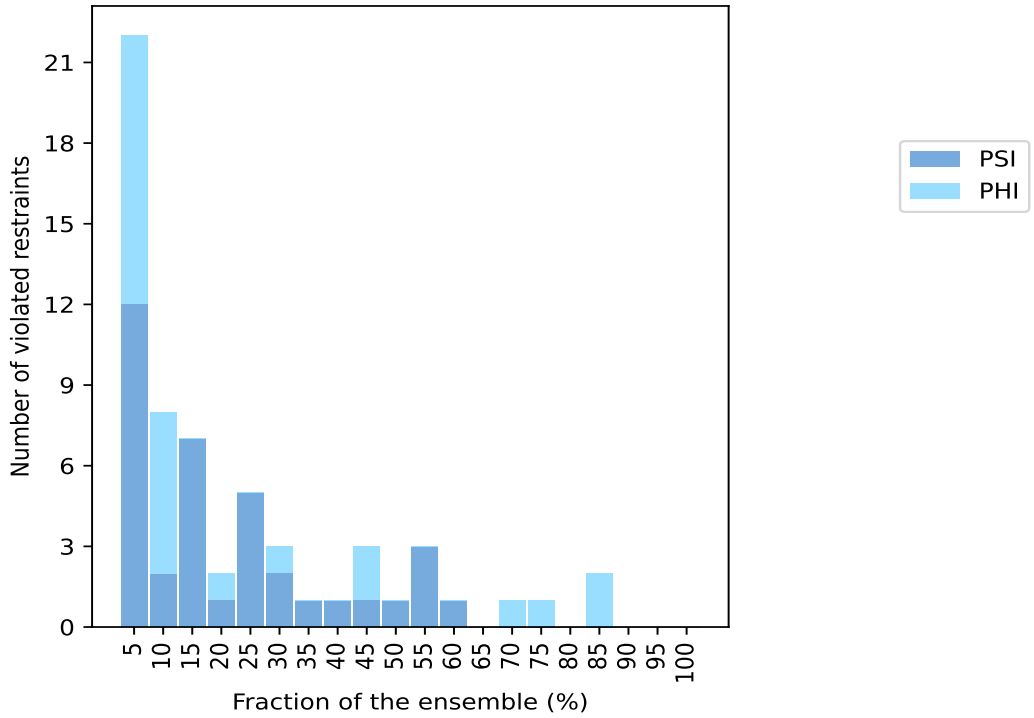
Number of violated restraints			Fraction of the ensemble	
PSI	PHI	Total	Count[1]	%
1	0	1	12	60.0
0	0	0	13	65.0
0	1	1	14	70.0
0	1	1	15	75.0
0	0	0	16	80.0
0	2	2	17	85.0
0	0	0	18	90.0
0	0	0	19	95.0
0	0	0	20	100.0

[1] Number of models with violations

10.3.1 Bar graph : Dihedral-angle Violation statistics for the ensemble

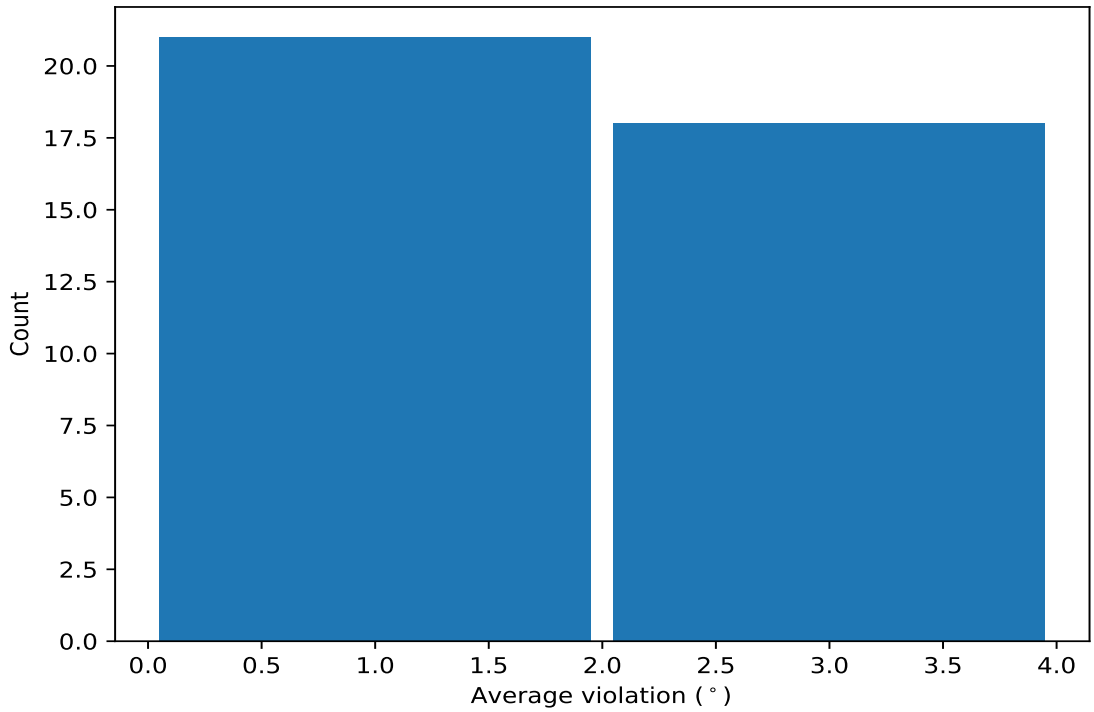


10.4 Most violated dihedral-angle restraints in the ensemble

10.4.1 Histogram : Distribution of mean dihedral-angle violations

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

in the ensemble



10.4.2 Table: Most violated dihedral-angle restraints

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[1]	Mean	SD[2]	Median
(1,190)	1:33:B:THR:C	1:34:B:LEU:N	1:34:B:LEU:CA	1:34:B:LEU:C	17	2.67	1.32	2.46
(1,24)	1:33:A:THR:C	1:34:A:LEU:N	1:34:A:LEU:CA	1:34:A:LEU:C	17	2.66	1.31	2.51
(1,183)	1:23:B:LYS:C	1:24:B:TYR:N	1:24:B:TYR:CA	1:24:B:TYR:C	15	2.3	0.88	2.09
(1,17)	1:23:A:LYS:C	1:24:A:TYR:N	1:24:A:TYR:CA	1:24:A:TYR:C	14	2.37	0.9	2.01
(1,118)	1:45:A:THR:N	1:45:A:THR:CA	1:45:A:THR:C	1:46:A:GLU:N	12	1.64	0.53	1.49
(1,305)	1:70:B:ASN:N	1:70:B:ASN:CA	1:70:B:ASN:C	1:71:B:SER:N	11	2.1	0.43	2.12
(1,139)	1:70:A:ASN:N	1:70:A:ASN:CA	1:70:A:ASN:C	1:71:A:SER:N	11	2.07	0.36	2.21
(1,284)	1:45:B:THR:N	1:45:B:THR:CA	1:45:B:THR:C	1:46:B:GLU:N	11	1.69	0.42	1.7
(1,104)	1:28:A:ASP:N	1:28:A:ASP:CA	1:28:A:ASP:C	1:29:A:GLY:N	10	2.4	1.06	2.26
(1,270)	1:28:B:ASP:N	1:28:B:ASP:CA	1:28:B:ASP:C	1:29:B:GLY:N	9	2.59	1.02	2.29
(1,201)	1:44:B:ASN:C	1:45:B:THR:N	1:45:B:THR:CA	1:45:B:THR:C	9	1.62	0.44	1.5
(1,35)	1:44:A:ASN:C	1:45:A:THR:N	1:45:A:THR:CA	1:45:A:THR:C	9	1.6	0.46	1.37
(1,105)	1:29:A:GLY:N	1:29:A:GLY:CA	1:29:A:GLY:C	1:30:A:TYR:N	8	2.6	1.52	2.0
(1,271)	1:29:B:GLY:N	1:29:B:GLY:CA	1:29:B:GLY:C	1:30:B:TYR:N	7	2.91	1.64	2.5
(1,107)	1:34:A:LEU:N	1:34:A:LEU:CA	1:34:A:LEU:C	1:35:A:SER:N	6	2.02	0.82	1.94
(1,206)	1:49:B:ALA:C	1:50:B:PHE:N	1:50:B:PHE:CA	1:50:B:PHE:C	6	1.36	0.31	1.2
(1,307)	1:72:B:ASP:N	1:72:B:ASP:CA	1:72:B:ASP:C	1:73:B:GLY:N	6	1.32	0.32	1.25
(1,115)	1:42:A:PHE:N	1:42:A:PHE:CA	1:42:A:PHE:C	1:43:A:MET:N	5	2.33	0.68	2.59
(1,281)	1:42:B:PHE:N	1:42:B:PHE:CA	1:42:B:PHE:C	1:43:B:MET:N	5	2.32	0.63	2.51
(1,273)	1:34:B:LEU:N	1:34:B:LEU:CA	1:34:B:LEU:C	1:35:B:SER:N	5	2.23	0.77	2.32

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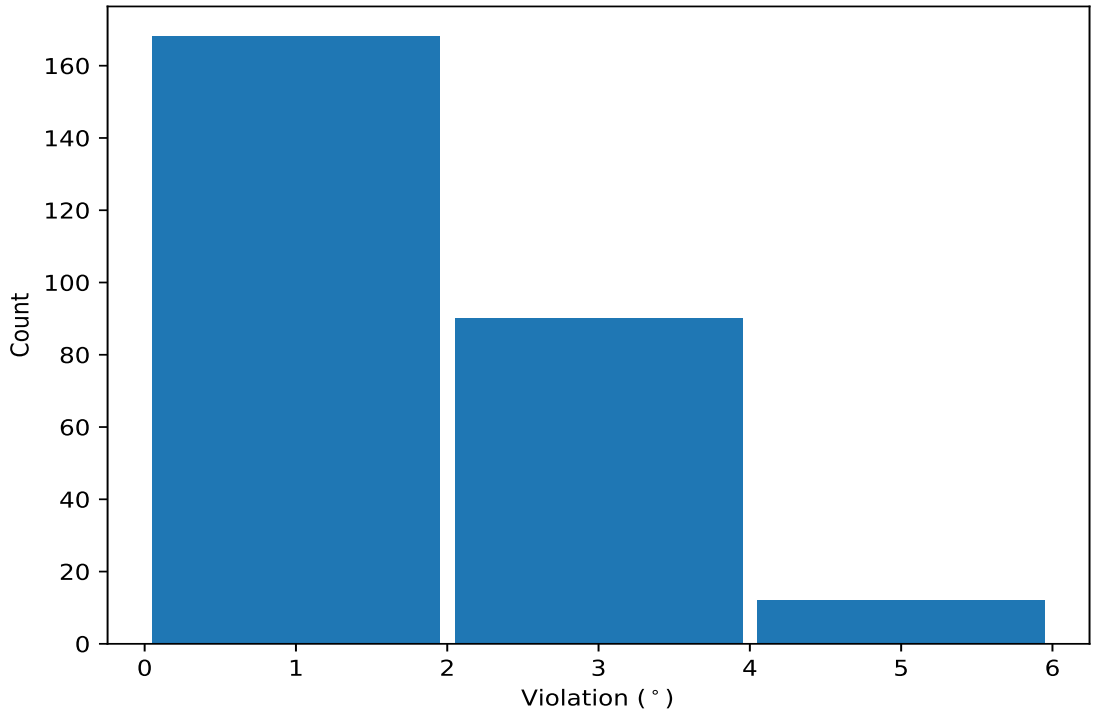
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,134)	1:65:A:LYS:N	1:65:A:LYS:CA	1:65:A:LYS:C	1:66:A:LYS:N	5	1.68	0.76	1.56
(1,141)	1:72:A:ASP:N	1:72:A:ASP:CA	1:72:A:ASP:C	1:73:A:GLY:N	5	1.44	0.31	1.5
(1,300)	1:65:B:LYS:N	1:65:B:LYS:CA	1:65:B:LYS:C	1:66:B:LYS:N	4	1.89	0.67	1.67
(1,40)	1:49:A:ALA:C	1:50:A:PHE:N	1:50:A:PHE:CA	1:50:A:PHE:C	4	1.44	0.36	1.4
(1,267)	1:25:B:ALA:N	1:25:B:ALA:CA	1:25:B:ALA:C	1:26:B:GLY:N	3	2.21	1.06	1.97
(1,264)	1:22:B:GLN:N	1:22:B:GLN:CA	1:22:B:GLN:C	1:23:B:LYS:N	3	1.87	0.17	1.87
(1,98)	1:22:A:GLN:N	1:22:A:GLN:CA	1:22:A:GLN:C	1:23:A:LYS:N	3	1.75	0.28	1.63
(1,275)	1:36:B:LYS:N	1:36:B:LYS:CA	1:36:B:LYS:C	1:37:B:THR:N	3	1.44	0.22	1.36
(1,109)	1:36:A:LYS:N	1:36:A:LYS:CA	1:36:A:LYS:C	1:37:A:THR:N	3	1.38	0.16	1.31
(1,292)	1:53:B:ASN:N	1:53:B:ASN:CA	1:53:B:ASN:C	1:54:B:GLN:N	3	1.36	0.2	1.3
(1,126)	1:53:A:ASN:N	1:53:A:ASN:CA	1:53:A:ASN:C	1:54:A:GLN:N	3	1.33	0.33	1.14
(1,101)	1:25:A:ALA:N	1:25:A:ALA:CA	1:25:A:ALA:C	1:26:A:GLY:N	2	2.88	0.88	2.88
(1,22)	1:28:A:ASP:C	1:29:A:GLY:N	1:29:A:GLY:CA	1:29:A:GLY:C	2	2.12	1.08	2.12
(1,188)	1:28:B:ASP:C	1:29:B:GLY:N	1:29:B:GLY:CA	1:29:B:GLY:C	2	2.0	0.98	2.0
(1,32)	1:41:A:SER:C	1:42:A:PHE:N	1:42:A:PHE:CA	1:42:A:PHE:C	2	1.35	0.0	1.35
(1,198)	1:41:B:SER:C	1:42:B:PHE:N	1:42:B:PHE:CA	1:42:B:PHE:C	2	1.28	0.05	1.28
(1,229)	1:76:B:ASP:C	1:77:B:PHE:N	1:77:B:PHE:CA	1:77:B:PHE:C	2	1.28	0.12	1.28
(1,125)	1:52:A:LYS:N	1:52:A:LYS:CA	1:52:A:LYS:C	1:53:A:ASN:N	2	1.23	0.22	1.23
(1,63)	1:76:A:ASP:C	1:77:A:PHE:N	1:77:A:PHE:CA	1:77:A:PHE:C	2	1.17	0.01	1.17

[1] Number of violated models, [2]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

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)	1:29:B:GLY:N	1:29:B:GLY:CA	1:29:B:GLY:C	1:30:B:TYR:N	15	5.61
(1,105)	1:29:A:GLY:N	1:29:A:GLY:CA	1:29:A:GLY:C	1:30:A:TYR:N	15	5.41
(1,190)	1:33:B:THR:C	1:34:B:LEU:N	1:34:B:LEU:CA	1:34:B:LEU:C	13	5.06
(1,271)	1:29:B:GLY:N	1:29:B:GLY:CA	1:29:B:GLY:C	1:30:B:TYR:N	7	5.03
(1,24)	1:33:A:THR:C	1:34:A:LEU:N	1:34:A:LEU:CA	1:34:A:LEU:C	13	5.01
(1,24)	1:33:A:THR:C	1:34:A:LEU:N	1:34:A:LEU:CA	1:34:A:LEU:C	12	4.77
(1,190)	1:33:B:THR:C	1:34:B:LEU:N	1:34:B:LEU:CA	1:34:B:LEU:C	12	4.75
(1,270)	1:28:B:ASP:N	1:28:B:ASP:CA	1:28:B:ASP:C	1:29:B:GLY:N	17	4.66
(1,190)	1:33:B:THR:C	1:34:B:LEU:N	1:34:B:LEU:CA	1:34:B:LEU:C	4	4.66
(1,24)	1:33:A:THR:C	1:34:A:LEU:N	1:34:A:LEU:CA	1:34:A:LEU:C	4	4.6
(1,105)	1:29:A:GLY:N	1:29:A:GLY:CA	1:29:A:GLY:C	1:30:A:TYR:N	7	4.5
(1,104)	1:28:A:ASP:N	1:28:A:ASP:CA	1:28:A:ASP:C	1:29:A:GLY:N	17	4.3
(1,24)	1:33:A:THR:C	1:34:A:LEU:N	1:34:A:LEU:CA	1:34:A:LEU:C	14	3.91
(1,17)	1:23:A:LYS:C	1:24:A:TYR:N	1:24:A:TYR:CA	1:24:A:TYR:C	17	3.88
(1,183)	1:23:B:LYS:C	1:24:B:TYR:N	1:24:B:TYR:CA	1:24:B:TYR:C	17	3.87
(1,190)	1:33:B:THR:C	1:34:B:LEU:N	1:34:B:LEU:CA	1:34:B:LEU:C	1	3.82
(1,190)	1:33:B:THR:C	1:34:B:LEU:N	1:34:B:LEU:CA	1:34:B:LEU:C	14	3.79
(1,101)	1:25:A:ALA:N	1:25:A:ALA:CA	1:25:A:ALA:C	1:26:A:GLY:N	19	3.77
(1,17)	1:23:A:LYS:C	1:24:A:TYR:N	1:24:A:TYR:CA	1:24:A:TYR:C	18	3.74
(1,183)	1:23:B:LYS:C	1:24:B:TYR:N	1:24:B:TYR:CA	1:24:B:TYR:C	18	3.69
(1,17)	1:23:A:LYS:C	1:24:A:TYR:N	1:24:A:TYR:CA	1:24:A:TYR:C	12	3.69

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,24)	1:33:A:THR:C	1:34:A:LEU:N	1:34:A:LEU:CA	1:34:A:LEU:C	1	3.67
(1,267)	1:25:B:ALA:N	1:25:B:ALA:CA	1:25:B:ALA:C	1:26:B:GLY:N	19	3.61
(1,270)	1:28:B:ASP:N	1:28:B:ASP:CA	1:28:B:ASP:C	1:29:B:GLY:N	13	3.54
(1,104)	1:28:A:ASP:N	1:28:A:ASP:CA	1:28:A:ASP:C	1:29:A:GLY:N	13	3.54
(1,273)	1:34:B:LEU:N	1:34:B:LEU:CA	1:34:B:LEU:C	1:35:B:SER:N	8	3.53
(1,183)	1:23:B:LYS:C	1:24:B:TYR:N	1:24:B:TYR:CA	1:24:B:TYR:C	12	3.53
(1,17)	1:23:A:LYS:C	1:24:A:TYR:N	1:24:A:TYR:CA	1:24:A:TYR:C	7	3.5
(1,107)	1:34:A:LEU:N	1:34:A:LEU:CA	1:34:A:LEU:C	1:35:A:SER:N	8	3.47
(1,104)	1:28:A:ASP:N	1:28:A:ASP:CA	1:28:A:ASP:C	1:29:A:GLY:N	4	3.44
(1,183)	1:23:B:LYS:C	1:24:B:TYR:N	1:24:B:TYR:CA	1:24:B:TYR:C	7	3.4
(1,270)	1:28:B:ASP:N	1:28:B:ASP:CA	1:28:B:ASP:C	1:29:B:GLY:N	4	3.38
(1,22)	1:28:A:ASP:C	1:29:A:GLY:N	1:29:A:GLY:CA	1:29:A:GLY:C	7	3.21
(1,190)	1:33:B:THR:C	1:34:B:LEU:N	1:34:B:LEU:CA	1:34:B:LEU:C	18	3.17
(1,24)	1:33:A:THR:C	1:34:A:LEU:N	1:34:A:LEU:CA	1:34:A:LEU:C	18	3.14
(1,134)	1:65:A:LYS:N	1:65:A:LYS:CA	1:65:A:LYS:C	1:66:A:LYS:N	10	3.13
(1,115)	1:42:A:PHE:N	1:42:A:PHE:CA	1:42:A:PHE:C	1:43:A:MET:N	18	3.13
(1,105)	1:29:A:GLY:N	1:29:A:GLY:CA	1:29:A:GLY:C	1:30:A:TYR:N	18	3.12
(1,281)	1:42:B:PHE:N	1:42:B:PHE:CA	1:42:B:PHE:C	1:43:B:MET:N	18	3.09
(1,24)	1:33:A:THR:C	1:34:A:LEU:N	1:34:A:LEU:CA	1:34:A:LEU:C	17	3.03
(1,300)	1:65:B:LYS:N	1:65:B:LYS:CA	1:65:B:LYS:C	1:66:B:LYS:N	10	3.0
(1,271)	1:29:B:GLY:N	1:29:B:GLY:CA	1:29:B:GLY:C	1:30:B:TYR:N	18	2.99
(1,188)	1:28:B:ASP:C	1:29:B:GLY:N	1:29:B:GLY:CA	1:29:B:GLY:C	7	2.98
(1,190)	1:33:B:THR:C	1:34:B:LEU:N	1:34:B:LEU:CA	1:34:B:LEU:C	17	2.93
(1,115)	1:42:A:PHE:N	1:42:A:PHE:CA	1:42:A:PHE:C	1:43:A:MET:N	20	2.86
(1,281)	1:42:B:PHE:N	1:42:B:PHE:CA	1:42:B:PHE:C	1:43:B:MET:N	20	2.84
(1,190)	1:33:B:THR:C	1:34:B:LEU:N	1:34:B:LEU:CA	1:34:B:LEU:C	8	2.84
(1,118)	1:45:A:THR:N	1:45:A:THR:CA	1:45:A:THR:C	1:46:A:GLU:N	10	2.84
(1,104)	1:28:A:ASP:N	1:28:A:ASP:CA	1:28:A:ASP:C	1:29:A:GLY:N	1	2.84
(1,284)	1:45:B:THR:N	1:45:B:THR:CA	1:45:B:THR:C	1:46:B:GLU:N	10	2.68
(1,201)	1:44:B:ASN:C	1:45:B:THR:N	1:45:B:THR:CA	1:45:B:THR:C	13	2.67
(1,139)	1:70:A:ASN:N	1:70:A:ASN:CA	1:70:A:ASN:C	1:71:A:SER:N	18	2.67
(1,305)	1:70:B:ASN:N	1:70:B:ASN:CA	1:70:B:ASN:C	1:71:B:SER:N	18	2.66
(1,305)	1:70:B:ASN:N	1:70:B:ASN:CA	1:70:B:ASN:C	1:71:B:SER:N	4	2.61
(1,24)	1:33:A:THR:C	1:34:A:LEU:N	1:34:A:LEU:CA	1:34:A:LEU:C	8	2.61
(1,115)	1:42:A:PHE:N	1:42:A:PHE:CA	1:42:A:PHE:C	1:43:A:MET:N	17	2.59
(1,305)	1:70:B:ASN:N	1:70:B:ASN:CA	1:70:B:ASN:C	1:71:B:SER:N	2	2.55
(1,183)	1:23:B:LYS:C	1:24:B:TYR:N	1:24:B:TYR:CA	1:24:B:TYR:C	9	2.52
(1,281)	1:42:B:PHE:N	1:42:B:PHE:CA	1:42:B:PHE:C	1:43:B:MET:N	17	2.51
(1,24)	1:33:A:THR:C	1:34:A:LEU:N	1:34:A:LEU:CA	1:34:A:LEU:C	20	2.51
(1,271)	1:29:B:GLY:N	1:29:B:GLY:CA	1:29:B:GLY:C	1:30:B:TYR:N	5	2.5
(1,35)	1:44:A:ASN:C	1:45:A:THR:N	1:45:A:THR:CA	1:45:A:THR:C	13	2.5
(1,270)	1:28:B:ASP:N	1:28:B:ASP:CA	1:28:B:ASP:C	1:29:B:GLY:N	1	2.48
(1,105)	1:29:A:GLY:N	1:29:A:GLY:CA	1:29:A:GLY:C	1:30:A:TYR:N	5	2.48
(1,190)	1:33:B:THR:C	1:34:B:LEU:N	1:34:B:LEU:CA	1:34:B:LEU:C	11	2.46
(1,107)	1:34:A:LEU:N	1:34:A:LEU:CA	1:34:A:LEU:C	1:35:A:SER:N	13	2.45
(1,273)	1:34:B:LEU:N	1:34:B:LEU:CA	1:34:B:LEU:C	1:35:B:SER:N	13	2.42
(1,104)	1:28:A:ASP:N	1:28:A:ASP:CA	1:28:A:ASP:C	1:29:A:GLY:N	8	2.41
(1,24)	1:33:A:THR:C	1:34:A:LEU:N	1:34:A:LEU:CA	1:34:A:LEU:C	11	2.41
(1,139)	1:70:A:ASN:N	1:70:A:ASN:CA	1:70:A:ASN:C	1:71:A:SER:N	4	2.4
(1,17)	1:23:A:LYS:C	1:24:A:TYR:N	1:24:A:TYR:CA	1:24:A:TYR:C	9	2.38
(1,305)	1:70:B:ASN:N	1:70:B:ASN:CA	1:70:B:ASN:C	1:71:B:SER:N	8	2.35

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,35)	1:44:A:ASN:C	1:45:A:THR:N	1:45:A:THR:CA	1:45:A:THR:C	10	2.34
(1,273)	1:34:B:LEU:N	1:34:B:LEU:CA	1:34:B:LEU:C	1:35:B:SER:N	4	2.32
(1,270)	1:28:B:ASP:N	1:28:B:ASP:CA	1:28:B:ASP:C	1:29:B:GLY:N	8	2.29
(1,183)	1:23:B:LYS:C	1:24:B:TYR:N	1:24:B:TYR:CA	1:24:B:TYR:C	2	2.29
(1,118)	1:45:A:THR:N	1:45:A:THR:CA	1:45:A:THR:C	1:46:A:GLU:N	2	2.29
(1,107)	1:34:A:LEU:N	1:34:A:LEU:CA	1:34:A:LEU:C	1:35:A:SER:N	4	2.29
(1,190)	1:33:B:THR:C	1:34:B:LEU:N	1:34:B:LEU:CA	1:34:B:LEU:C	20	2.28
(1,183)	1:23:B:LYS:C	1:24:B:TYR:N	1:24:B:TYR:CA	1:24:B:TYR:C	11	2.28
(1,139)	1:70:A:ASN:N	1:70:A:ASN:CA	1:70:A:ASN:C	1:71:A:SER:N	13	2.27
(1,139)	1:70:A:ASN:N	1:70:A:ASN:CA	1:70:A:ASN:C	1:71:A:SER:N	1	2.26
(1,139)	1:70:A:ASN:N	1:70:A:ASN:CA	1:70:A:ASN:C	1:71:A:SER:N	8	2.26
(1,305)	1:70:B:ASN:N	1:70:B:ASN:CA	1:70:B:ASN:C	1:71:B:SER:N	1	2.25
(1,17)	1:23:A:LYS:C	1:24:A:TYR:N	1:24:A:TYR:CA	1:24:A:TYR:C	11	2.23
(1,139)	1:70:A:ASN:N	1:70:A:ASN:CA	1:70:A:ASN:C	1:71:A:SER:N	2	2.21
(1,98)	1:22:A:GLN:N	1:22:A:GLN:CA	1:22:A:GLN:C	1:23:A:LYS:N	1	2.13
(1,305)	1:70:B:ASN:N	1:70:B:ASN:CA	1:70:B:ASN:C	1:71:B:SER:N	12	2.12
(1,270)	1:28:B:ASP:N	1:28:B:ASP:CA	1:28:B:ASP:C	1:29:B:GLY:N	12	2.12
(1,139)	1:70:A:ASN:N	1:70:A:ASN:CA	1:70:A:ASN:C	1:71:A:SER:N	12	2.12
(1,270)	1:28:B:ASP:N	1:28:B:ASP:CA	1:28:B:ASP:C	1:29:B:GLY:N	7	2.11
(1,104)	1:28:A:ASP:N	1:28:A:ASP:CA	1:28:A:ASP:C	1:29:A:GLY:N	12	2.11
(1,201)	1:44:B:ASN:C	1:45:B:THR:N	1:45:B:THR:CA	1:45:B:THR:C	10	2.1
(1,183)	1:23:B:LYS:C	1:24:B:TYR:N	1:24:B:TYR:CA	1:24:B:TYR:C	14	2.09
(1,264)	1:22:B:GLN:N	1:22:B:GLN:CA	1:22:B:GLN:C	1:23:B:LYS:N	1	2.07
(1,190)	1:33:B:THR:C	1:34:B:LEU:N	1:34:B:LEU:CA	1:34:B:LEU:C	10	2.06
(1,284)	1:45:B:THR:N	1:45:B:THR:CA	1:45:B:THR:C	1:46:B:GLU:N	20	2.04
(1,284)	1:45:B:THR:N	1:45:B:THR:CA	1:45:B:THR:C	1:46:B:GLU:N	2	2.03
(1,17)	1:23:A:LYS:C	1:24:A:TYR:N	1:24:A:TYR:CA	1:24:A:TYR:C	14	2.03
(1,305)	1:70:B:ASN:N	1:70:B:ASN:CA	1:70:B:ASN:C	1:71:B:SER:N	13	2.02
(1,101)	1:25:A:ALA:N	1:25:A:ALA:CA	1:25:A:ALA:C	1:26:A:GLY:N	13	2.0
(1,24)	1:33:A:THR:C	1:34:A:LEU:N	1:34:A:LEU:CA	1:34:A:LEU:C	10	2.0
(1,17)	1:23:A:LYS:C	1:24:A:TYR:N	1:24:A:TYR:CA	1:24:A:TYR:C	4	1.99
(1,183)	1:23:B:LYS:C	1:24:B:TYR:N	1:24:B:TYR:CA	1:24:B:TYR:C	4	1.98
(1,305)	1:70:B:ASN:N	1:70:B:ASN:CA	1:70:B:ASN:C	1:71:B:SER:N	10	1.97
(1,267)	1:25:B:ALA:N	1:25:B:ALA:CA	1:25:B:ALA:C	1:26:B:GLY:N	13	1.97
(1,17)	1:23:A:LYS:C	1:24:A:TYR:N	1:24:A:TYR:CA	1:24:A:TYR:C	2	1.97
(1,118)	1:45:A:THR:N	1:45:A:THR:CA	1:45:A:THR:C	1:46:A:GLU:N	20	1.96
(1,118)	1:45:A:THR:N	1:45:A:THR:CA	1:45:A:THR:C	1:46:A:GLU:N	8	1.95
(1,305)	1:70:B:ASN:N	1:70:B:ASN:CA	1:70:B:ASN:C	1:71:B:SER:N	17	1.91
(1,183)	1:23:B:LYS:C	1:24:B:TYR:N	1:24:B:TYR:CA	1:24:B:TYR:C	13	1.9
(1,141)	1:72:A:ASP:N	1:72:A:ASP:CA	1:72:A:ASP:C	1:73:A:GLY:N	6	1.9
(1,118)	1:45:A:THR:N	1:45:A:THR:CA	1:45:A:THR:C	1:46:A:GLU:N	12	1.9
(1,104)	1:28:A:ASP:N	1:28:A:ASP:CA	1:28:A:ASP:C	1:29:A:GLY:N	7	1.9
(1,40)	1:49:A:ALA:C	1:50:A:PHE:N	1:50:A:PHE:CA	1:50:A:PHE:C	5	1.9
(1,139)	1:70:A:ASN:N	1:70:A:ASN:CA	1:70:A:ASN:C	1:71:A:SER:N	10	1.89
(1,17)	1:23:A:LYS:C	1:24:A:TYR:N	1:24:A:TYR:CA	1:24:A:TYR:C	13	1.89
(1,264)	1:22:B:GLN:N	1:22:B:GLN:CA	1:22:B:GLN:C	1:23:B:LYS:N	5	1.87
(1,307)	1:72:B:ASP:N	1:72:B:ASP:CA	1:72:B:ASP:C	1:73:B:GLY:N	6	1.85
(1,206)	1:49:B:ALA:C	1:50:B:PHE:N	1:50:B:PHE:CA	1:50:B:PHE:C	5	1.84
(1,139)	1:70:A:ASN:N	1:70:A:ASN:CA	1:70:A:ASN:C	1:71:A:SER:N	17	1.79
(1,126)	1:53:A:ASN:N	1:53:A:ASN:CA	1:53:A:ASN:C	1:54:A:GLN:N	10	1.79
(1,300)	1:65:B:LYS:N	1:65:B:LYS:CA	1:65:B:LYS:C	1:66:B:LYS:N	16	1.78

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,284)	1:45:B:THR:N	1:45:B:THR:CA	1:45:B:THR:C	1:46:B:GLU:N	12	1.78
(1,275)	1:36:B:LYS:N	1:36:B:LYS:CA	1:36:B:LYS:C	1:37:B:THR:N	14	1.74
(1,206)	1:49:B:ALA:C	1:50:B:PHE:N	1:50:B:PHE:CA	1:50:B:PHE:C	19	1.74
(1,284)	1:45:B:THR:N	1:45:B:THR:CA	1:45:B:THR:C	1:46:B:GLU:N	8	1.71
(1,197)	1:40:B:LEU:C	1:41:B:SER:N	1:41:B:SER:CA	1:41:B:SER:C	20	1.71
(1,284)	1:45:B:THR:N	1:45:B:THR:CA	1:45:B:THR:C	1:46:B:GLU:N	3	1.7
(1,271)	1:29:B:GLY:N	1:29:B:GLY:CA	1:29:B:GLY:C	1:30:B:TYR:N	8	1.68
(1,40)	1:49:A:ALA:C	1:50:A:PHE:N	1:50:A:PHE:CA	1:50:A:PHE:C	19	1.68
(1,31)	1:40:A:LEU:C	1:41:A:SER:N	1:41:A:SER:CA	1:41:A:SER:C	20	1.67
(1,264)	1:22:B:GLN:N	1:22:B:GLN:CA	1:22:B:GLN:C	1:23:B:LYS:N	16	1.66
(1,115)	1:42:A:PHE:N	1:42:A:PHE:CA	1:42:A:PHE:C	1:43:A:MET:N	19	1.64
(1,292)	1:53:B:ASN:N	1:53:B:ASN:CA	1:53:B:ASN:C	1:54:B:GLN:N	10	1.63
(1,183)	1:23:B:LYS:C	1:24:B:TYR:N	1:24:B:TYR:CA	1:24:B:TYR:C	8	1.63
(1,98)	1:22:A:GLN:N	1:22:A:GLN:CA	1:22:A:GLN:C	1:23:A:LYS:N	5	1.63
(1,17)	1:23:A:LYS:C	1:24:A:TYR:N	1:24:A:TYR:CA	1:24:A:TYR:C	15	1.63
(1,183)	1:23:B:LYS:C	1:24:B:TYR:N	1:24:B:TYR:CA	1:24:B:TYR:C	15	1.62
(1,134)	1:65:A:LYS:N	1:65:A:LYS:CA	1:65:A:LYS:C	1:66:A:LYS:N	16	1.61
(1,109)	1:36:A:LYS:N	1:36:A:LYS:CA	1:36:A:LYS:C	1:37:A:THR:N	14	1.6
(1,35)	1:44:A:ASN:C	1:45:A:THR:N	1:45:A:THR:CA	1:45:A:THR:C	20	1.6
(1,281)	1:42:B:PHE:N	1:42:B:PHE:CA	1:42:B:PHE:C	1:43:B:MET:N	19	1.59
(1,141)	1:72:A:ASP:N	1:72:A:ASP:CA	1:72:A:ASP:C	1:73:A:GLY:N	1	1.59
(1,281)	1:42:B:PHE:N	1:42:B:PHE:CA	1:42:B:PHE:C	1:43:B:MET:N	12	1.58
(1,107)	1:34:A:LEU:N	1:34:A:LEU:CA	1:34:A:LEU:C	1:35:A:SER:N	1	1.58
(1,118)	1:45:A:THR:N	1:45:A:THR:CA	1:45:A:THR:C	1:46:A:GLU:N	3	1.57
(1,307)	1:72:B:ASP:N	1:72:B:ASP:CA	1:72:B:ASP:C	1:73:B:GLY:N	3	1.56
(1,300)	1:65:B:LYS:N	1:65:B:LYS:CA	1:65:B:LYS:C	1:66:B:LYS:N	11	1.56
(1,134)	1:65:A:LYS:N	1:65:A:LYS:CA	1:65:A:LYS:C	1:66:A:LYS:N	14	1.56
(1,201)	1:44:B:ASN:C	1:45:B:THR:N	1:45:B:THR:CA	1:45:B:THR:C	8	1.53
(1,105)	1:29:A:GLY:N	1:29:A:GLY:CA	1:29:A:GLY:C	1:30:A:TYR:N	8	1.53
(1,35)	1:44:A:ASN:C	1:45:A:THR:N	1:45:A:THR:CA	1:45:A:THR:C	8	1.53
(1,17)	1:23:A:LYS:C	1:24:A:TYR:N	1:24:A:TYR:CA	1:24:A:TYR:C	8	1.53
(1,201)	1:44:B:ASN:C	1:45:B:THR:N	1:45:B:THR:CA	1:45:B:THR:C	3	1.52
(1,284)	1:45:B:THR:N	1:45:B:THR:CA	1:45:B:THR:C	1:46:B:GLU:N	5	1.51
(1,273)	1:34:B:LEU:N	1:34:B:LEU:CA	1:34:B:LEU:C	1:35:B:SER:N	1	1.51
(1,201)	1:44:B:ASN:C	1:45:B:THR:N	1:45:B:THR:CA	1:45:B:THR:C	20	1.5
(1,141)	1:72:A:ASP:N	1:72:A:ASP:CA	1:72:A:ASP:C	1:73:A:GLY:N	3	1.5
(1,139)	1:70:A:ASN:N	1:70:A:ASN:CA	1:70:A:ASN:C	1:71:A:SER:N	16	1.5
(1,270)	1:28:B:ASP:N	1:28:B:ASP:CA	1:28:B:ASP:C	1:29:B:GLY:N	5	1.48
(1,98)	1:22:A:GLN:N	1:22:A:GLN:CA	1:22:A:GLN:C	1:23:A:LYS:N	16	1.48
(1,190)	1:33:B:THR:C	1:34:B:LEU:N	1:34:B:LEU:CA	1:34:B:LEU:C	5	1.47
(1,307)	1:72:B:ASP:N	1:72:B:ASP:CA	1:72:B:ASP:C	1:73:B:GLY:N	1	1.45
(1,125)	1:52:A:LYS:N	1:52:A:LYS:CA	1:52:A:LYS:C	1:53:A:ASN:N	20	1.45
(1,105)	1:29:A:GLY:N	1:29:A:GLY:CA	1:29:A:GLY:C	1:30:A:TYR:N	4	1.44
(1,139)	1:70:A:ASN:N	1:70:A:ASN:CA	1:70:A:ASN:C	1:71:A:SER:N	7	1.43
(1,24)	1:33:A:THR:C	1:34:A:LEU:N	1:34:A:LEU:CA	1:34:A:LEU:C	7	1.43
(1,201)	1:44:B:ASN:C	1:45:B:THR:N	1:45:B:THR:CA	1:45:B:THR:C	2	1.42
(1,115)	1:42:A:PHE:N	1:42:A:PHE:CA	1:42:A:PHE:C	1:43:A:MET:N	12	1.42
(1,24)	1:33:A:THR:C	1:34:A:LEU:N	1:34:A:LEU:CA	1:34:A:LEU:C	5	1.42
(1,229)	1:76:B:ASP:C	1:77:B:PHE:N	1:77:B:PHE:CA	1:77:B:PHE:C	18	1.41
(1,118)	1:45:A:THR:N	1:45:A:THR:CA	1:45:A:THR:C	1:46:A:GLU:N	9	1.41
(1,271)	1:29:B:GLY:N	1:29:B:GLY:CA	1:29:B:GLY:C	1:30:B:TYR:N	13	1.4

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,273)	1:34:B:LEU:N	1:34:B:LEU:CA	1:34:B:LEU:C	1:35:B:SER:N	9	1.39
(1,51)	1:64:A:MET:C	1:65:A:LYS:N	1:65:A:LYS:CA	1:65:A:LYS:C	14	1.39
(1,17)	1:23:A:LYS:C	1:24:A:TYR:N	1:24:A:TYR:CA	1:24:A:TYR:C	6	1.39
(1,284)	1:45:B:THR:N	1:45:B:THR:CA	1:45:B:THR:C	1:46:B:GLU:N	16	1.38
(1,35)	1:44:A:ASN:C	1:45:A:THR:N	1:45:A:THR:CA	1:45:A:THR:C	1	1.37
(1,305)	1:70:B:ASN:N	1:70:B:ASN:CA	1:70:B:ASN:C	1:71:B:SER:N	7	1.36
(1,275)	1:36:B:LYS:N	1:36:B:LYS:CA	1:36:B:LYS:C	1:37:B:THR:N	11	1.36
(1,312)	1:77:B:PHE:N	1:77:B:PHE:CA	1:77:B:PHE:C	1:78:B:SER:N	9	1.35
(1,118)	1:45:A:THR:N	1:45:A:THR:CA	1:45:A:THR:C	1:46:A:GLU:N	5	1.35
(1,32)	1:41:A:SER:C	1:42:A:PHE:N	1:42:A:PHE:CA	1:42:A:PHE:C	4	1.35
(1,32)	1:41:A:SER:C	1:42:A:PHE:N	1:42:A:PHE:CA	1:42:A:PHE:C	15	1.35
(1,305)	1:70:B:ASN:N	1:70:B:ASN:CA	1:70:B:ASN:C	1:71:B:SER:N	16	1.34
(1,217)	1:64:B:MET:C	1:65:B:LYS:N	1:65:B:LYS:CA	1:65:B:LYS:C	14	1.34
(1,183)	1:23:B:LYS:C	1:24:B:TYR:N	1:24:B:TYR:CA	1:24:B:TYR:C	6	1.34
(1,216)	1:63:B:MET:C	1:64:B:MET:N	1:64:B:MET:CA	1:64:B:MET:C	14	1.33
(1,201)	1:44:B:ASN:C	1:45:B:THR:N	1:45:B:THR:CA	1:45:B:THR:C	9	1.33
(1,198)	1:41:B:SER:C	1:42:B:PHE:N	1:42:B:PHE:CA	1:42:B:PHE:C	4	1.33
(1,107)	1:34:A:LEU:N	1:34:A:LEU:CA	1:34:A:LEU:C	1:35:A:SER:N	9	1.33
(1,23)	1:32:A:TYR:C	1:33:A:THR:N	1:33:A:THR:CA	1:33:A:THR:C	14	1.33
(1,284)	1:45:B:THR:N	1:45:B:THR:CA	1:45:B:THR:C	1:46:B:GLU:N	1	1.32
(1,35)	1:44:A:ASN:C	1:45:A:THR:N	1:45:A:THR:CA	1:45:A:THR:C	2	1.32
(1,190)	1:33:B:THR:C	1:34:B:LEU:N	1:34:B:LEU:CA	1:34:B:LEU:C	15	1.31
(1,109)	1:36:A:LYS:N	1:36:A:LYS:CA	1:36:A:LYS:C	1:37:A:THR:N	11	1.31
(1,292)	1:53:B:ASN:N	1:53:B:ASN:CA	1:53:B:ASN:C	1:54:B:GLN:N	13	1.3
(1,50)	1:63:A:MET:C	1:64:A:MET:N	1:64:A:MET:CA	1:64:A:MET:C	14	1.3
(1,24)	1:33:A:THR:C	1:34:A:LEU:N	1:34:A:LEU:CA	1:34:A:LEU:C	15	1.3
(1,35)	1:44:A:ASN:C	1:45:A:THR:N	1:45:A:THR:CA	1:45:A:THR:C	9	1.29
(1,284)	1:45:B:THR:N	1:45:B:THR:CA	1:45:B:THR:C	1:46:B:GLU:N	19	1.28
(1,206)	1:49:B:ALA:C	1:50:B:PHE:N	1:50:B:PHE:CA	1:50:B:PHE:C	12	1.28
(1,189)	1:32:B:TYR:C	1:33:B:THR:N	1:33:B:THR:CA	1:33:B:THR:C	14	1.28
(1,183)	1:23:B:LYS:C	1:24:B:TYR:N	1:24:B:TYR:CA	1:24:B:TYR:C	16	1.28
(1,17)	1:23:A:LYS:C	1:24:A:TYR:N	1:24:A:TYR:CA	1:24:A:TYR:C	16	1.28
(1,270)	1:28:B:ASP:N	1:28:B:ASP:CA	1:28:B:ASP:C	1:29:B:GLY:N	20	1.26
(1,201)	1:44:B:ASN:C	1:45:B:THR:N	1:45:B:THR:CA	1:45:B:THR:C	1	1.25
(1,201)	1:44:B:ASN:C	1:45:B:THR:N	1:45:B:THR:CA	1:45:B:THR:C	4	1.25
(1,154)	1:85:A:GLY:N	1:85:A:GLY:CA	1:85:A:GLY:C	1:86:A:GLY:N	15	1.25
(1,198)	1:41:B:SER:C	1:42:B:PHE:N	1:42:B:PHE:CA	1:42:B:PHE:C	15	1.24
(1,109)	1:36:A:LYS:N	1:36:A:LYS:CA	1:36:A:LYS:C	1:37:A:THR:N	16	1.24
(1,35)	1:44:A:ASN:C	1:45:A:THR:N	1:45:A:THR:CA	1:45:A:THR:C	4	1.23
(1,275)	1:36:B:LYS:N	1:36:B:LYS:CA	1:36:B:LYS:C	1:37:B:THR:N	16	1.22
(1,300)	1:65:B:LYS:N	1:65:B:LYS:CA	1:65:B:LYS:C	1:66:B:LYS:N	14	1.21
(1,190)	1:33:B:THR:C	1:34:B:LEU:N	1:34:B:LEU:CA	1:34:B:LEU:C	9	1.2
(1,104)	1:28:A:ASP:N	1:28:A:ASP:CA	1:28:A:ASP:C	1:29:A:GLY:N	20	1.2
(1,35)	1:44:A:ASN:C	1:45:A:THR:N	1:45:A:THR:CA	1:45:A:THR:C	3	1.2
(1,284)	1:45:B:THR:N	1:45:B:THR:CA	1:45:B:THR:C	1:46:B:GLU:N	9	1.19
(1,251)	1:9:B:GLU:N	1:9:B:GLU:CA	1:9:B:GLU:C	1:10:B:THR:N	6	1.19
(1,146)	1:77:A:PHE:N	1:77:A:PHE:CA	1:77:A:PHE:C	1:78:A:SER:N	9	1.19
(1,118)	1:45:A:THR:N	1:45:A:THR:CA	1:45:A:THR:C	1:46:A:GLU:N	16	1.19
(1,95)	1:19:A:ALA:N	1:19:A:ALA:CA	1:19:A:ALA:C	1:20:A:VAL:N	12	1.19
(1,261)	1:19:B:ALA:N	1:19:B:ALA:CA	1:19:B:ALA:C	1:20:B:VAL:N	12	1.18
(1,190)	1:33:B:THR:C	1:34:B:LEU:N	1:34:B:LEU:CA	1:34:B:LEU:C	7	1.18

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,190)	1:33:B:THR:C	1:34:B:LEU:N	1:34:B:LEU:CA	1:34:B:LEU:C	19	1.18
(1,141)	1:72:A:ASP:N	1:72:A:ASP:CA	1:72:A:ASP:C	1:73:A:GLY:N	2	1.18
(1,63)	1:76:A:ASP:C	1:77:A:PHE:N	1:77:A:PHE:CA	1:77:A:PHE:C	9	1.18
(1,24)	1:33:A:THR:C	1:34:A:LEU:N	1:34:A:LEU:CA	1:34:A:LEU:C	19	1.18
(1,320)	1:85:B:GLY:N	1:85:B:GLY:CA	1:85:B:GLY:C	1:86:B:GLY:N	15	1.17
(1,271)	1:29:B:GLY:N	1:29:B:GLY:CA	1:29:B:GLY:C	1:30:B:TYR:N	4	1.17
(1,104)	1:28:A:ASP:N	1:28:A:ASP:CA	1:28:A:ASP:C	1:29:A:GLY:N	5	1.17
(1,292)	1:53:B:ASN:N	1:53:B:ASN:CA	1:53:B:ASN:C	1:54:B:GLN:N	12	1.16
(1,229)	1:76:B:ASP:C	1:77:B:PHE:N	1:77:B:PHE:CA	1:77:B:PHE:C	9	1.16
(1,224)	1:71:B:SER:C	1:72:B:ASP:N	1:72:B:ASP:CA	1:72:B:ASP:C	20	1.16
(1,63)	1:76:A:ASP:C	1:77:A:PHE:N	1:77:A:PHE:CA	1:77:A:PHE:C	18	1.16
(1,24)	1:33:A:THR:C	1:34:A:LEU:N	1:34:A:LEU:CA	1:34:A:LEU:C	9	1.16
(1,190)	1:33:B:THR:C	1:34:B:LEU:N	1:34:B:LEU:CA	1:34:B:LEU:C	6	1.15
(1,183)	1:23:B:LYS:C	1:24:B:TYR:N	1:24:B:TYR:CA	1:24:B:TYR:C	20	1.15
(1,105)	1:29:A:GLY:N	1:29:A:GLY:CA	1:29:A:GLY:C	1:30:A:TYR:N	13	1.15
(1,126)	1:53:A:ASN:N	1:53:A:ASN:CA	1:53:A:ASN:C	1:54:A:GLN:N	13	1.14
(1,206)	1:49:B:ALA:C	1:50:B:PHE:N	1:50:B:PHE:CA	1:50:B:PHE:C	16	1.13
(1,105)	1:29:A:GLY:N	1:29:A:GLY:CA	1:29:A:GLY:C	1:30:A:TYR:N	11	1.13
(1,118)	1:45:A:THR:N	1:45:A:THR:CA	1:45:A:THR:C	1:46:A:GLU:N	1	1.12
(1,206)	1:49:B:ALA:C	1:50:B:PHE:N	1:50:B:PHE:CA	1:50:B:PHE:C	2	1.11
(1,40)	1:49:A:ALA:C	1:50:A:PHE:N	1:50:A:PHE:CA	1:50:A:PHE:C	2	1.11
(1,134)	1:65:A:LYS:N	1:65:A:LYS:CA	1:65:A:LYS:C	1:66:A:LYS:N	4	1.1
(1,58)	1:71:A:SER:C	1:72:A:ASP:N	1:72:A:ASP:CA	1:72:A:ASP:C	20	1.1
(1,206)	1:49:B:ALA:C	1:50:B:PHE:N	1:50:B:PHE:CA	1:50:B:PHE:C	6	1.09
(1,118)	1:45:A:THR:N	1:45:A:THR:CA	1:45:A:THR:C	1:46:A:GLU:N	19	1.09
(1,24)	1:33:A:THR:C	1:34:A:LEU:N	1:34:A:LEU:CA	1:34:A:LEU:C	6	1.08
(1,322)	1:87:B:LEU:N	1:87:B:LEU:CA	1:87:B:LEU:C	1:88:B:ALA:N	10	1.07
(1,104)	1:28:A:ASP:N	1:28:A:ASP:CA	1:28:A:ASP:C	1:29:A:GLY:N	2	1.07
(1,291)	1:52:B:LYS:N	1:52:B:LYS:CA	1:52:B:LYS:C	1:53:B:ASN:N	19	1.06
(1,267)	1:25:B:ALA:N	1:25:B:ALA:CA	1:25:B:ALA:C	1:26:B:GLY:N	2	1.06
(1,126)	1:53:A:ASN:N	1:53:A:ASN:CA	1:53:A:ASN:C	1:54:A:GLN:N	12	1.06
(1,40)	1:49:A:ALA:C	1:50:A:PHE:N	1:50:A:PHE:CA	1:50:A:PHE:C	12	1.06
(1,118)	1:45:A:THR:N	1:45:A:THR:CA	1:45:A:THR:C	1:46:A:GLU:N	14	1.05
(1,307)	1:72:B:ASP:N	1:72:B:ASP:CA	1:72:B:ASP:C	1:73:B:GLY:N	8	1.04
(1,22)	1:28:A:ASP:C	1:29:A:GLY:N	1:29:A:GLY:CA	1:29:A:GLY:C	15	1.04
(1,307)	1:72:B:ASP:N	1:72:B:ASP:CA	1:72:B:ASP:C	1:73:B:GLY:N	5	1.02
(1,307)	1:72:B:ASP:N	1:72:B:ASP:CA	1:72:B:ASP:C	1:73:B:GLY:N	9	1.02
(1,188)	1:28:B:ASP:C	1:29:B:GLY:N	1:29:B:GLY:CA	1:29:B:GLY:C	15	1.02
(1,156)	1:87:A:LEU:N	1:87:A:LEU:CA	1:87:A:LEU:C	1:88:A:ALA:N	10	1.02
(1,309)	1:74:B:GLN:N	1:74:B:GLN:CA	1:74:B:GLN:C	1:75:B:LEU:N	14	1.01
(1,141)	1:72:A:ASP:N	1:72:A:ASP:CA	1:72:A:ASP:C	1:73:A:GLY:N	13	1.01
(1,134)	1:65:A:LYS:N	1:65:A:LYS:CA	1:65:A:LYS:C	1:66:A:LYS:N	11	1.01
(1,125)	1:52:A:LYS:N	1:52:A:LYS:CA	1:52:A:LYS:C	1:53:A:ASN:N	19	1.01
(1,107)	1:34:A:LEU:N	1:34:A:LEU:CA	1:34:A:LEU:C	1:35:A:SER:N	16	1.01
(1,85)	1:9:A:GLU:N	1:9:A:GLU:CA	1:9:A:GLU:C	1:10:A:THR:N	6	1.01