Full wwPDB NMR Structure Validation Report (i)

Mar 10, 2026 – 12:13 PM UTC

PDB ID	:	2MRD / pdb_00002mrd
BMRB ID	:	25069
Title	:	Solution structure of human Ca2+-loaded S100A4 cys-free mutant
Authors	:	Cho, C.C.; Hung, K.W.; Yu, C.
Deposited on	:	2014-07-03

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

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

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

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

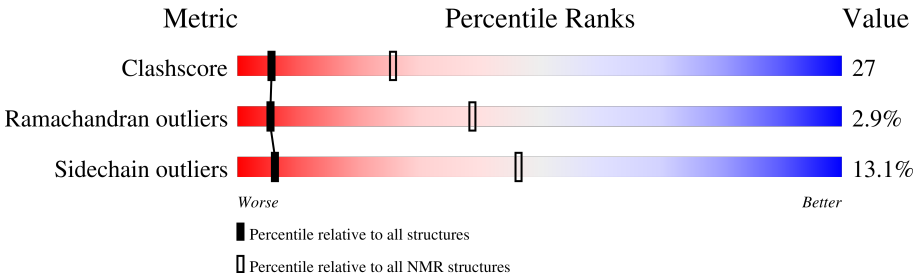
MolProbity	:	4-5-2 with Phenix2.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints Analysis	:	v1.2
Ideal geometry (proteins)	:	Engh & Huber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

1 Overall quality at a glance

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

The overall completeness of chemical shifts assignment is 41%.

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	101	42% 46% • • 7%
1	B	101	42% 46% • • 7%

2 Ensemble composition and analysis

This entry contains 20 models. Model 16 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:3-A:96, B:3-B:96 (188)	0.57	16

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 3 clusters and 6 single-model clusters were found.

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

3 Entry composition (i)

There is only 1 type of molecule in this entry. The entry contains 3264 atoms, of which 1626 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Protein S100-A4.

Mol	Chain	Residues	Atoms						Trace
1	A	101	Total	C	H	N	O	S	0
			1632	519	813	135	160	5	
1	B	101	Total	C	H	N	O	S	0
			1632	519	813	135	160	5	

There are 8 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	3	SER	CYS	engineered mutation	UNP P26447
A	76	SER	CYS	engineered mutation	UNP P26447
A	81	SER	CYS	engineered mutation	UNP P26447
A	86	SER	CYS	engineered mutation	UNP P26447
B	3	SER	CYS	engineered mutation	UNP P26447
B	76	SER	CYS	engineered mutation	UNP P26447
B	81	SER	CYS	engineered mutation	UNP P26447
B	86	SER	CYS	engineered mutation	UNP P26447

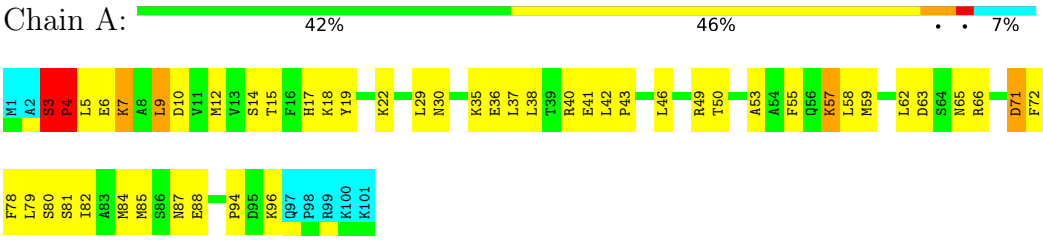
4 Residue-property plots

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.

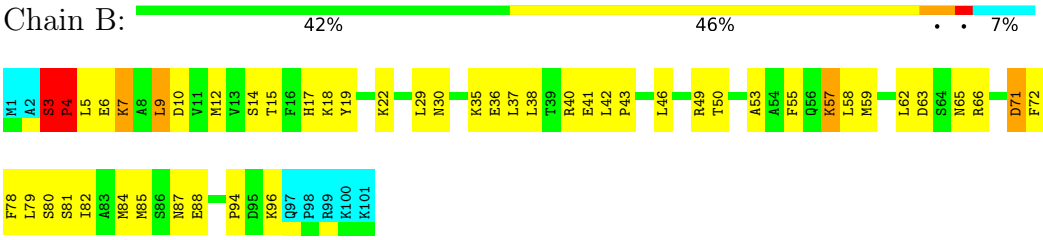
• Molecule 1: Protein S100-A4

Chain A:



• Molecule 1: Protein S100-A4

Chain B:



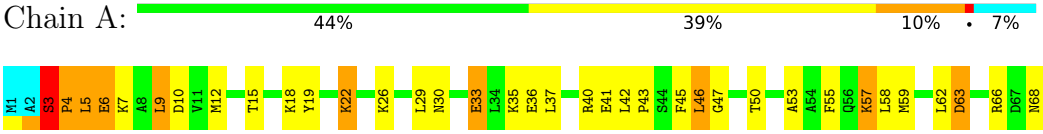
4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

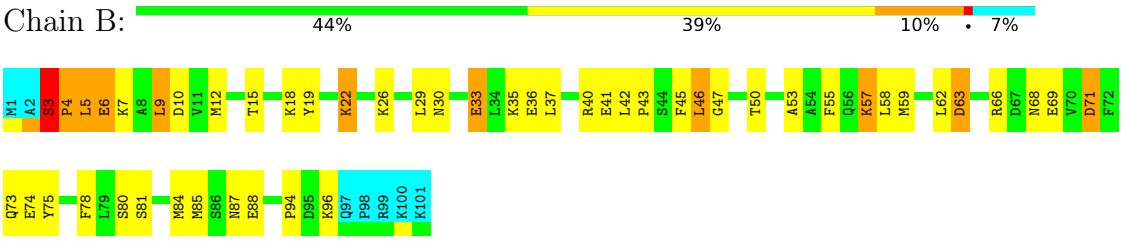
• Molecule 1: Protein S100-A4

Chain A:



• Molecule 1: Protein S100-A4

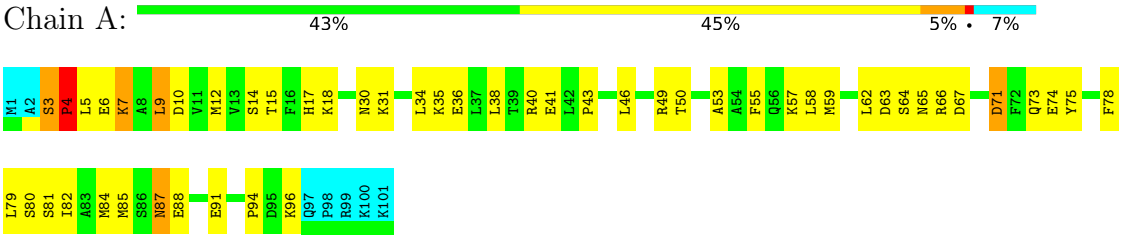
Chain B:



4.2.2 Score per residue for model 2

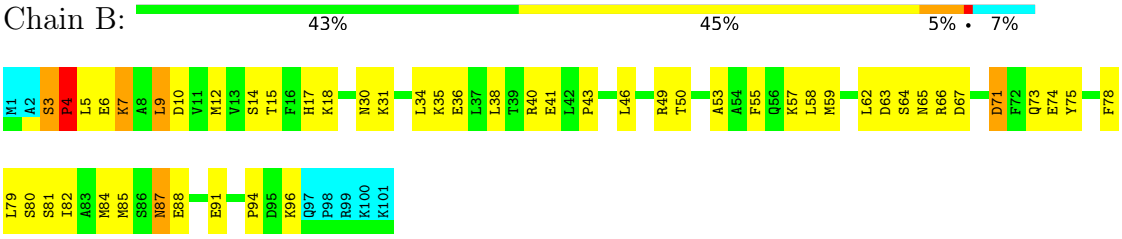
• Molecule 1: Protein S100-A4

Chain A:



• Molecule 1: Protein S100-A4

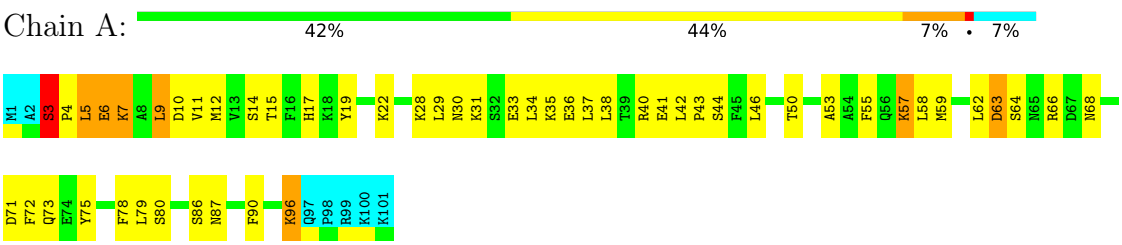
Chain B:



4.2.3 Score per residue for model 3

• Molecule 1: Protein S100-A4

Chain A:



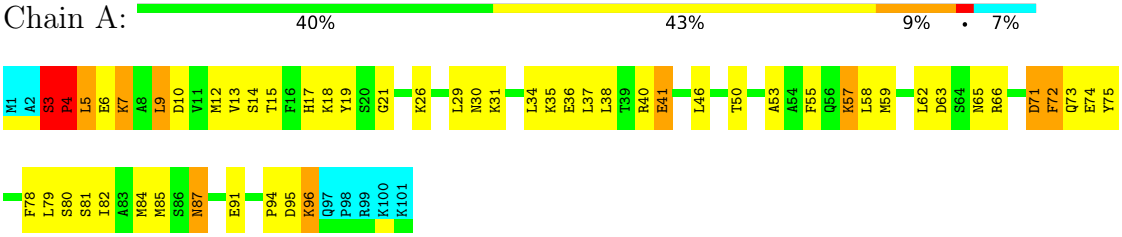
• Molecule 1: Protein S100-A4

Chain B:

4.2.4 Score per residue for model 4

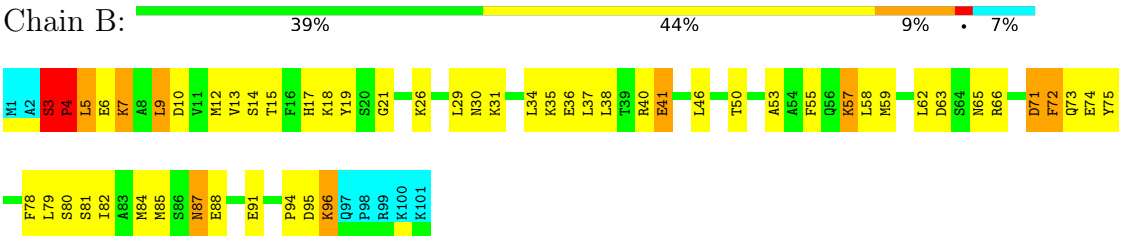
- Molecule 1: Protein S100-A4

Chain A:



- Molecule 1: Protein S100-A4

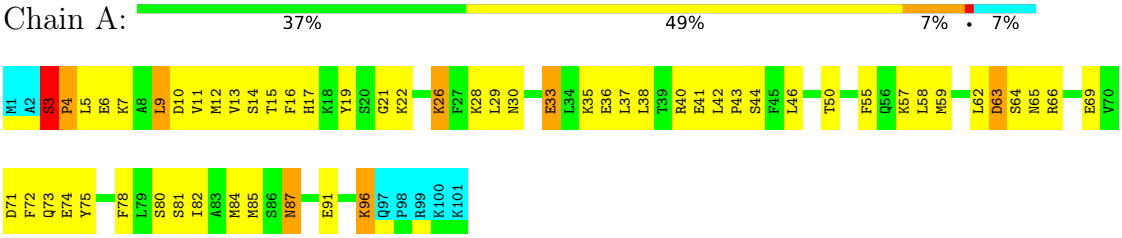
Chain B:



4.2.5 Score per residue for model 5

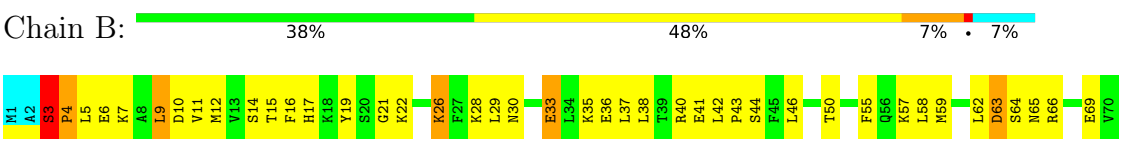
- Molecule 1: Protein S100-A4

Chain A:



- Molecule 1: Protein S100-A4

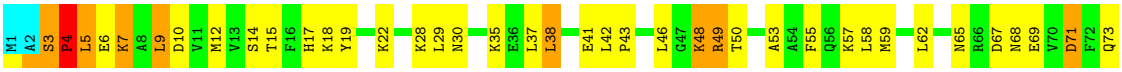
Chain B:

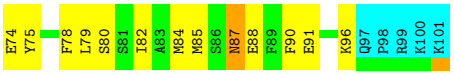


4.2.6 Score per residue for model 6

• Molecule 1: Protein S100-A4

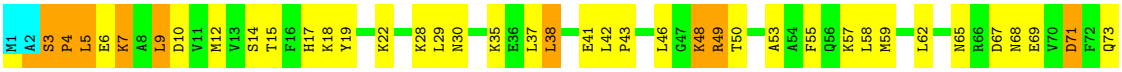
Chain A:

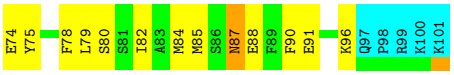




• Molecule 1: Protein S100-A4

Chain B:

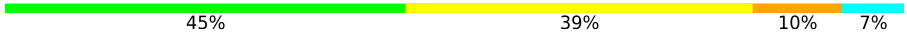


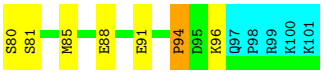


4.2.7 Score per residue for model 7

• Molecule 1: Protein S100-A4

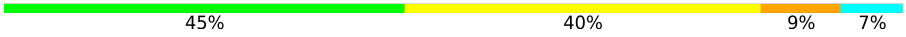
Chain A:

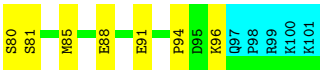




• Molecule 1: Protein S100-A4

Chain B:

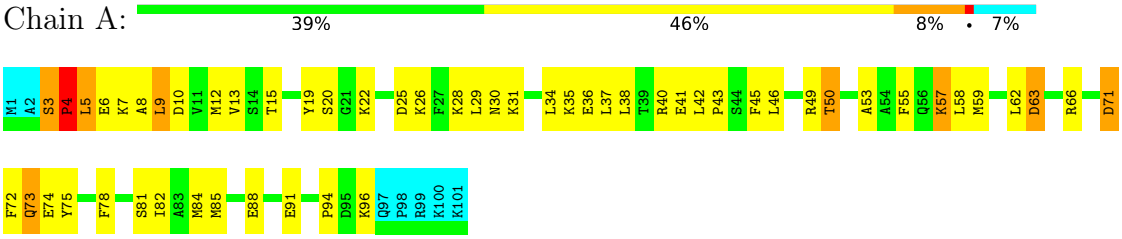




4.2.8 Score per residue for model 8

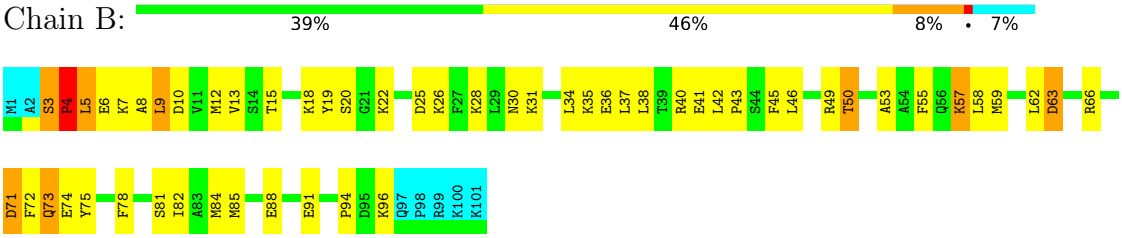
• Molecule 1: Protein S100-A4

Chain A:



• Molecule 1: Protein S100-A4

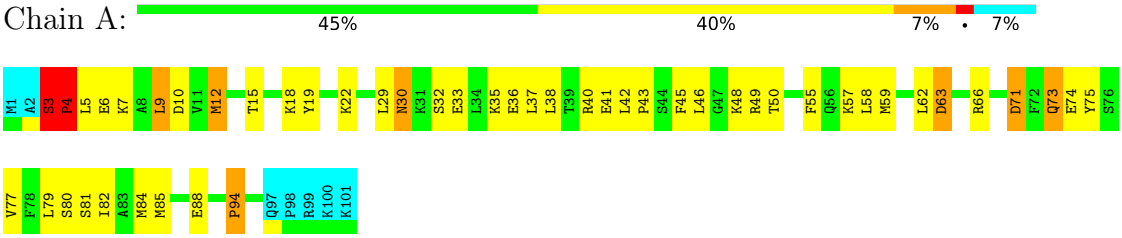
Chain B:



4.2.9 Score per residue for model 9

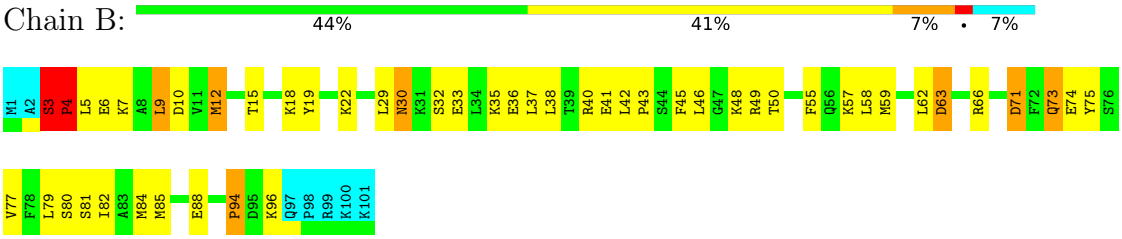
• Molecule 1: Protein S100-A4

Chain A:



• Molecule 1: Protein S100-A4

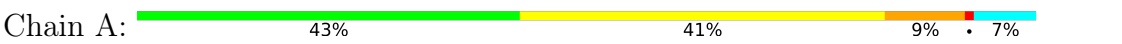
Chain B:

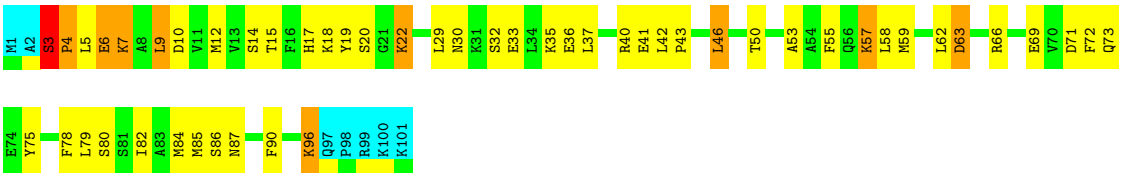


4.2.10 Score per residue for model 10

• Molecule 1: Protein S100-A4

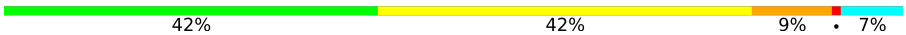
Chain A:

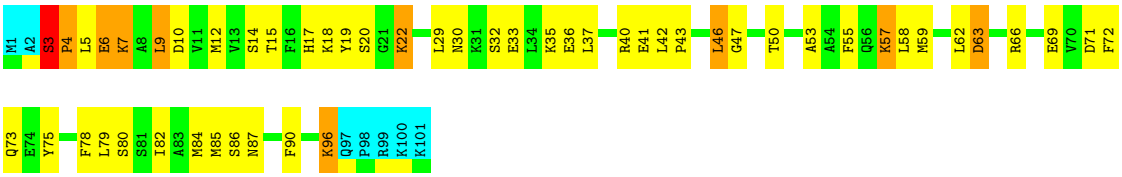




• Molecule 1: Protein S100-A4

Chain B:





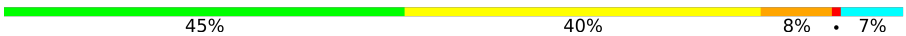
4.2.11 Score per residue for model 11

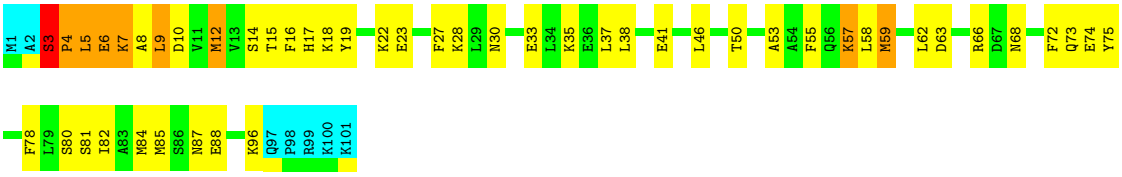
• Molecule 1: Protein S100-A4

Chain A:

• Molecule 1: Protein S100-A4

Chain B:

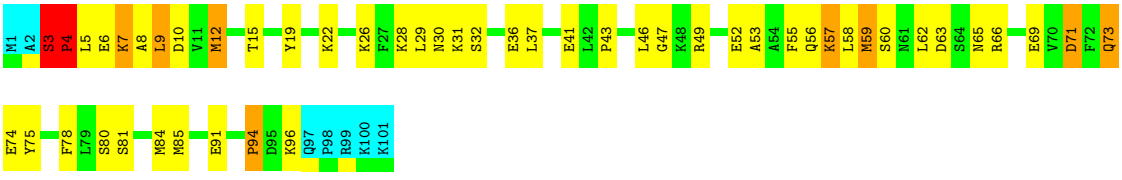




4.2.12 Score per residue for model 12

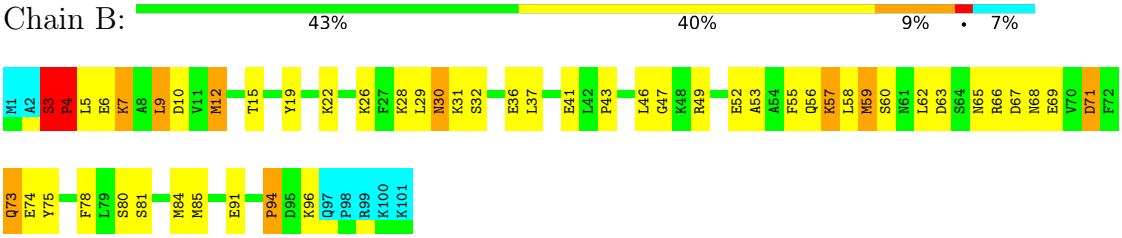
• Molecule 1: Protein S100-A4

Chain A:



• Molecule 1: Protein S100-A4

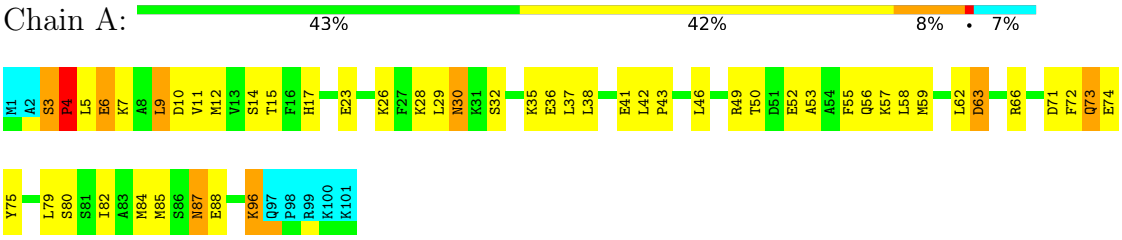
Chain B:



4.2.13 Score per residue for model 13

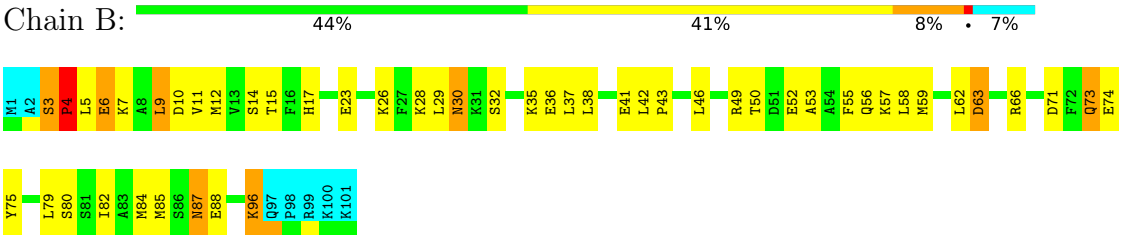
• Molecule 1: Protein S100-A4

Chain A:



• Molecule 1: Protein S100-A4

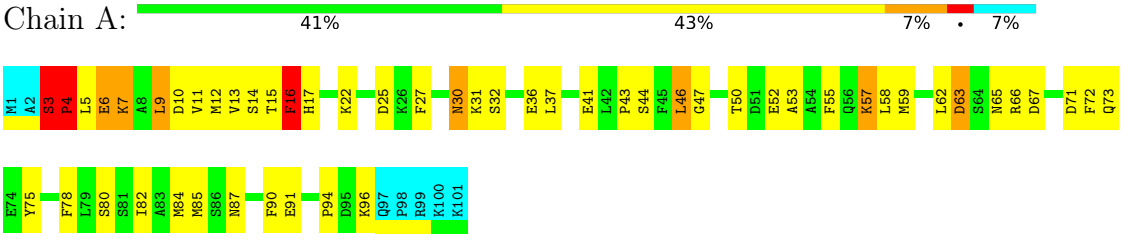
Chain B:



4.2.14 Score per residue for model 14

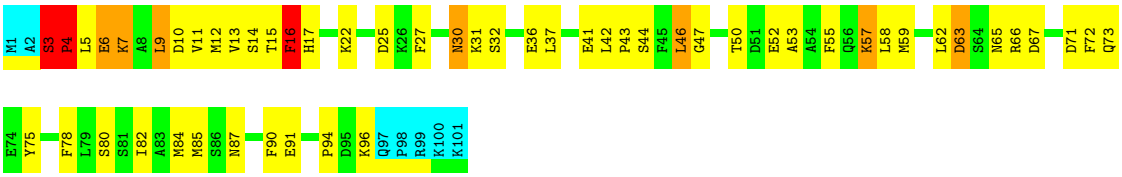
• Molecule 1: Protein S100-A4

Chain A:



• Molecule 1: Protein S100-A4

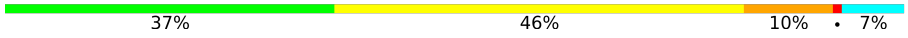
Chain B:



4.2.15 Score per residue for model 15

• Molecule 1: Protein S100-A4

Chain A:



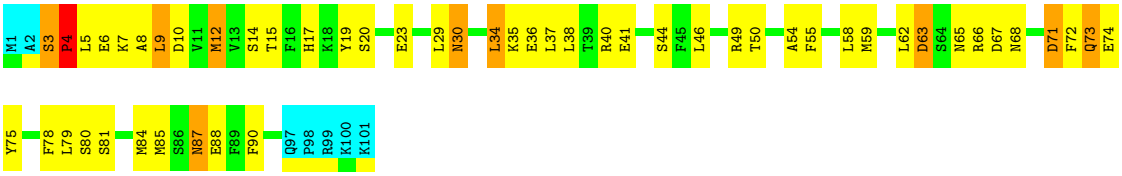
• Molecule 1: Protein S100-A4

Chain B:

4.2.16 Score per residue for model 16 (medoid)

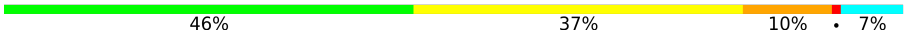
• Molecule 1: Protein S100-A4

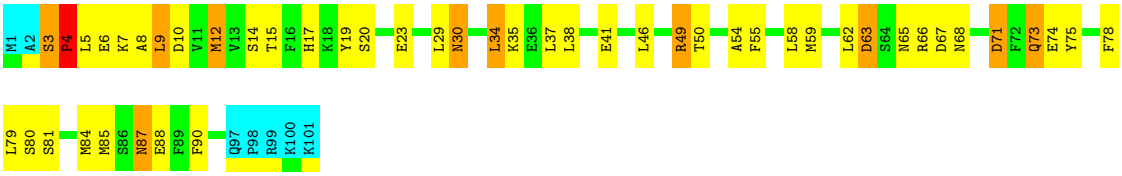
Chain A:



• Molecule 1: Protein S100-A4

Chain B:

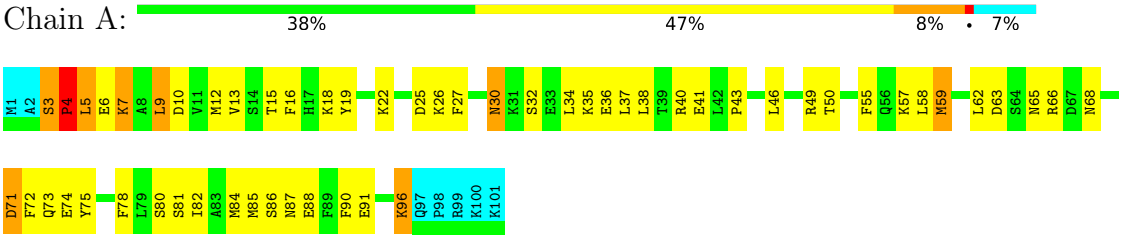




4.2.17 Score per residue for model 17

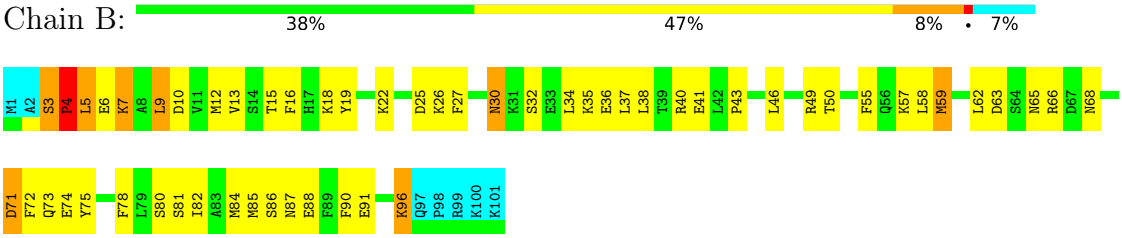
• Molecule 1: Protein S100-A4

Chain A:



• Molecule 1: Protein S100-A4

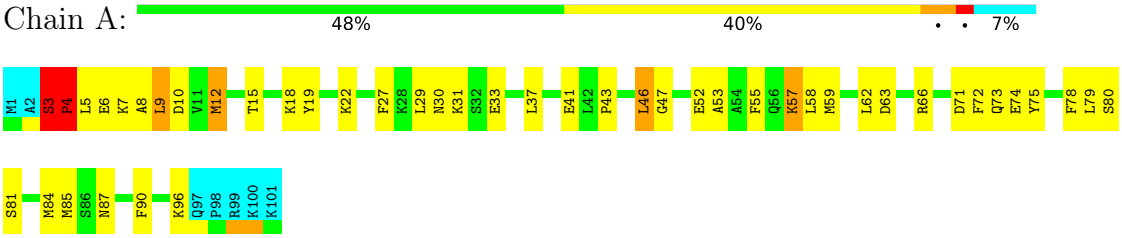
Chain B:



4.2.18 Score per residue for model 18

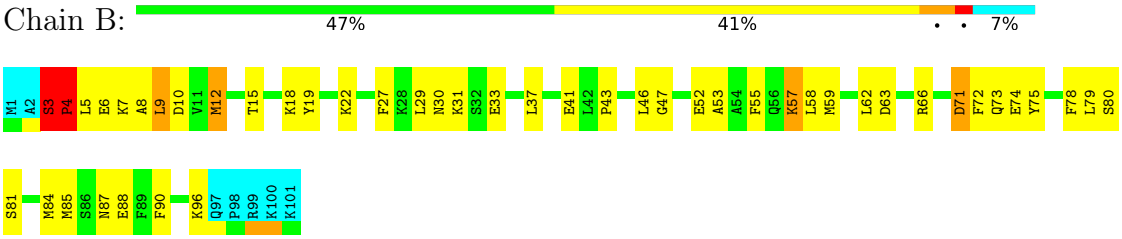
• Molecule 1: Protein S100-A4

Chain A:



• Molecule 1: Protein S100-A4

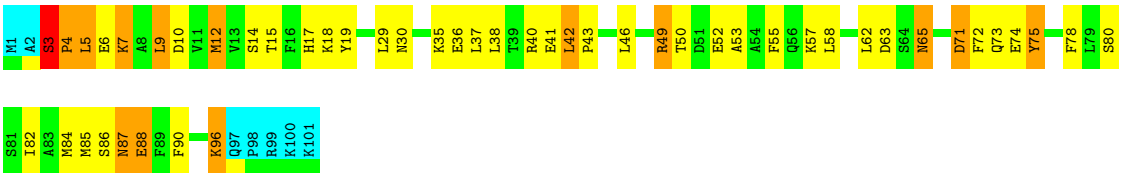
Chain B:



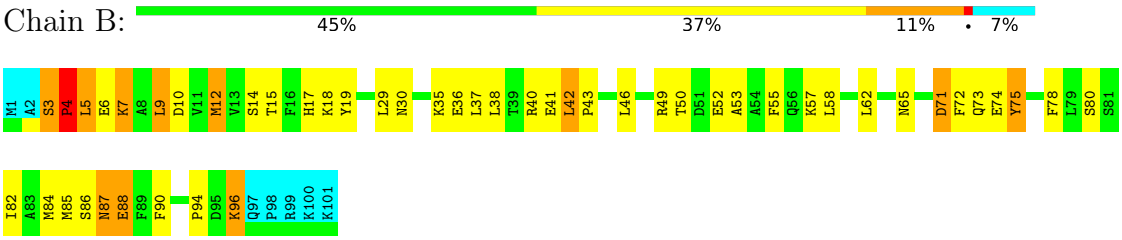
4.2.19 Score per residue for model 19

• Molecule 1: Protein S100-A4

Chain A:

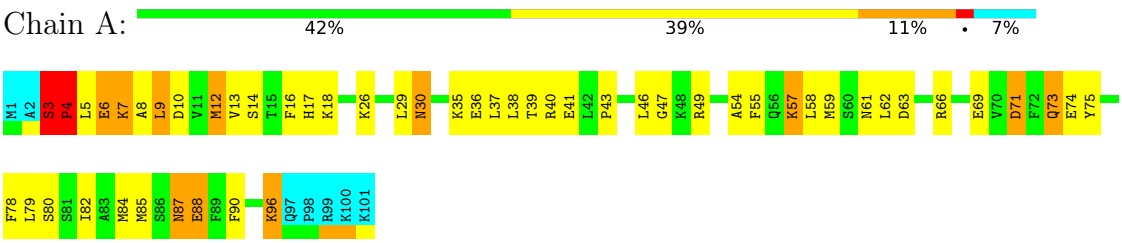


• Molecule 1: Protein S100-A4

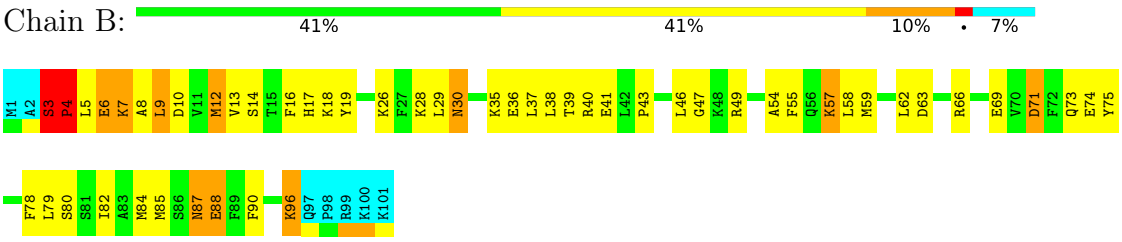


4.2.20 Score per residue for model 20

• Molecule 1: Protein S100-A4



• Molecule 1: Protein S100-A4



5 Refinement protocol and experimental data overview

The models were refined using the following method: *torsion angle dynamics*.

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	1137
Number of shifts mapped to atoms	1137
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	41%

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	0.52±0.02	0±0/775 (0.0± 0.0%)	0.87±0.03	0±1/1037 (0.0± 0.1%)
1	B	0.52±0.02	0±0/775 (0.0± 0.0%)	0.87±0.02	0±1/1037 (0.0± 0.1%)
All	All	0.52	0/31000 (0.0%)	0.87	10/41480 (0.0%)

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

Mol	Chain	Chirality	Planarity
1	A	0.0±0.0	0.1±0.3
1	B	0.0±0.0	0.1±0.3
All	All	0	4

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	16	PHE	CA-CB-CG	5.85	119.65	113.80	14	1
1	B	16	PHE	CA-CB-CG	5.75	119.55	113.80	14	1
1	B	3	SER	CA-C-N	5.60	126.84	119.84	3	2
1	B	3	SER	C-N-CA	5.60	126.84	119.84	3	2
1	A	3	SER	CA-C-N	5.52	126.73	119.84	3	2
1	A	3	SER	C-N-CA	5.52	126.73	119.84	3	2

There are no chirality outliers.

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

Mol	Chain	Res	Type	Group	Models (Total)
1	A	3	SER	Peptide	2
1	B	3	SER	Peptide	2

6.2 Too-close contacts (i)

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	760	743	742	44±5
1	B	760	743	742	44±5
All	All	30400	29720	29680	1650

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 27.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:52:GLU:HA	1:B:55:PHE:CE2	0.83	2.09	13	5
1:A:52:GLU:HA	1:A:55:PHE:CE2	0.82	2.08	13	5
1:A:41:GLU:O	1:A:42:LEU:HG	0.80	1.77	7	1
1:B:41:GLU:O	1:B:42:LEU:HG	0.80	1.77	7	1
1:B:36:GLU:O	1:B:40:ARG:HG2	0.78	1.79	20	1
1:A:36:GLU:O	1:A:40:ARG:HG2	0.77	1.79	20	1
1:B:28:LYS:HZ3	1:B:71:ASP:HB3	0.74	1.42	3	3
1:A:28:LYS:HZ3	1:A:71:ASP:HB3	0.72	1.43	3	2
1:A:42:LEU:HD23	1:B:6:GLU:HG3	0.72	1.62	5	2
1:A:6:GLU:HG3	1:B:42:LEU:HD23	0.71	1.62	5	2
1:A:42:LEU:HD23	1:B:6:GLU:CG	0.71	2.16	1	2
1:A:6:GLU:CG	1:B:42:LEU:HD23	0.71	2.16	1	2
1:B:65:ASN:ND2	1:B:67:ASP:HB2	0.71	2.01	2	2
1:A:65:ASN:ND2	1:A:67:ASP:HB2	0.69	2.01	2	2
1:A:58:LEU:O	1:A:62:LEU:HG	0.69	1.88	19	20
1:B:63:ASP:OD2	1:B:66:ARG:HA	0.69	1.88	1	15
1:B:58:LEU:O	1:B:62:LEU:HG	0.68	1.88	19	20
1:A:29:LEU:HD11	1:A:37:LEU:HD13	0.68	1.65	4	16
1:A:22:LYS:HB2	1:A:33:GLU:OE2	0.68	1.89	15	3
1:A:63:ASP:OD2	1:A:66:ARG:HA	0.68	1.88	1	14
1:B:73:GLN:HG3	1:B:74:GLU:N	0.68	2.03	9	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:71:ASP:OD2	1:B:96:LYS:HD2	0.68	1.89	6	5
1:B:29:LEU:HD11	1:B:37:LEU:HD13	0.67	1.65	4	15
1:B:12:MET:O	1:B:15:THR:HB	0.67	1.90	11	15
1:A:12:MET:O	1:A:15:THR:HB	0.67	1.89	11	15
1:A:73:GLN:HG3	1:A:74:GLU:N	0.67	2.03	9	1
1:B:22:LYS:HB2	1:B:33:GLU:OE2	0.67	1.89	15	3
1:B:46:LEU:O	1:B:50:THR:HG23	0.67	1.90	4	16
1:B:81:SER:O	1:B:85:MET:HB3	0.67	1.90	15	1
1:A:71:ASP:OD2	1:A:74:GLU:HG2	0.66	1.91	4	2
1:A:81:SER:O	1:A:85:MET:HB3	0.66	1.90	15	1
1:A:35:LYS:HA	1:A:55:PHE:CE1	0.66	2.26	10	13
1:A:46:LEU:O	1:A:50:THR:HG23	0.66	1.89	15	16
1:B:35:LYS:HA	1:B:55:PHE:CE1	0.66	2.26	10	13
1:A:96:LYS:HD2	1:B:71:ASP:OD2	0.66	1.90	6	6
1:B:65:ASN:OD1	1:B:67:ASP:HB2	0.65	1.92	16	2
1:A:65:ASN:OD1	1:A:67:ASP:HB2	0.64	1.91	16	2
1:A:87:ASN:HD22	1:A:88:GLU:N	0.63	1.90	2	5
1:A:30:ASN:HD22	1:A:30:ASN:H	0.63	1.36	9	1
1:B:87:ASN:HD22	1:B:88:GLU:N	0.63	1.90	2	5
1:B:19:TYR:HB2	1:B:37:LEU:HD12	0.63	1.70	1	14
1:A:59:MET:O	1:A:63:ASP:HB3	0.63	1.93	16	13
1:A:19:TYR:HB2	1:A:37:LEU:HD12	0.63	1.69	1	14
1:A:13:VAL:HA	1:A:72:PHE:CE1	0.63	2.29	15	2
1:B:59:MET:O	1:B:63:ASP:HB3	0.63	1.93	16	13
1:B:84:MET:O	1:B:88:GLU:HG2	0.63	1.93	9	2
1:B:9:LEU:O	1:B:12:MET:HB3	0.62	1.93	6	9
1:A:84:MET:O	1:A:88:GLU:HG3	0.62	1.94	15	4
1:B:13:VAL:HA	1:B:72:PHE:CE1	0.62	2.29	15	2
1:B:71:ASP:OD2	1:B:74:GLU:HG2	0.62	1.92	4	2
1:B:84:MET:O	1:B:88:GLU:HG3	0.62	1.95	15	5
1:A:9:LEU:HD22	1:B:9:LEU:HD22	0.62	1.72	17	1
1:A:9:LEU:O	1:A:12:MET:HB3	0.62	1.93	6	9
1:A:84:MET:O	1:A:88:GLU:HG2	0.62	1.93	9	2
1:B:30:ASN:H	1:B:30:ASN:HD22	0.62	1.38	9	1
1:B:82:ILE:O	1:B:85:MET:HG3	0.61	1.95	10	6
1:A:96:LYS:HD3	1:B:71:ASP:OD1	0.61	1.95	20	2
1:A:80:SER:O	1:A:84:MET:HG3	0.61	1.95	20	17
1:B:80:SER:O	1:B:84:MET:HG3	0.61	1.95	20	17
1:A:13:VAL:HA	1:A:16:PHE:CD2	0.61	2.30	17	1
1:A:34:LEU:HD12	1:A:35:LYS:N	0.61	2.11	17	2
1:B:13:VAL:HA	1:B:16:PHE:CD2	0.61	2.30	17	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:53:ALA:O	1:B:57:LYS:HE2	0.60	1.96	15	5
1:A:14:SER:HA	1:A:17:HIS:CD2	0.60	2.32	16	9
1:A:71:ASP:OD1	1:B:96:LYS:HD3	0.60	1.95	20	2
1:A:35:LYS:HE3	1:A:55:PHE:CE2	0.60	2.31	13	2
1:B:35:LYS:HE3	1:B:55:PHE:CE2	0.60	2.31	13	2
1:B:34:LEU:HD12	1:B:35:LYS:N	0.60	2.11	17	2
1:B:14:SER:HA	1:B:17:HIS:CD2	0.60	2.32	10	9
1:A:71:ASP:OD2	1:B:96:LYS:HB2	0.60	1.96	13	1
1:A:12:MET:HG3	1:A:79:LEU:CD1	0.59	2.27	18	5
1:B:75:TYR:O	1:B:78:PHE:HB3	0.59	1.97	19	17
1:A:71:ASP:OD2	1:B:96:LYS:HD3	0.59	1.97	5	1
1:A:12:MET:HA	1:A:15:THR:OG1	0.59	1.96	7	2
1:B:12:MET:HA	1:B:15:THR:OG1	0.59	1.96	7	2
1:B:38:LEU:HB3	1:B:46:LEU:HD12	0.59	1.74	13	13
1:A:82:ILE:O	1:A:85:MET:HG3	0.59	1.96	20	6
1:A:53:ALA:O	1:A:57:LYS:HE2	0.59	1.98	2	5
1:A:9:LEU:O	1:A:12:MET:HG2	0.59	1.98	1	5
1:A:96:LYS:HD3	1:B:71:ASP:OD2	0.59	1.98	5	1
1:B:9:LEU:O	1:B:12:MET:HG2	0.59	1.98	1	5
1:B:7:LYS:O	1:B:10:ASP:HB3	0.59	1.98	20	20
1:B:12:MET:HG3	1:B:79:LEU:CD1	0.59	2.28	18	5
1:A:6:GLU:HB3	1:B:41:GLU:O	0.58	1.98	3	3
1:A:52:GLU:HA	1:A:55:PHE:CZ	0.58	2.33	19	1
1:A:75:TYR:O	1:A:78:PHE:HB3	0.58	1.97	19	17
1:A:38:LEU:HB3	1:A:46:LEU:HD12	0.58	1.74	13	13
1:A:96:LYS:HB2	1:B:71:ASP:OD2	0.58	1.98	13	1
1:A:7:LYS:O	1:A:10:ASP:HB3	0.58	1.99	20	20
1:A:41:GLU:O	1:B:6:GLU:HB3	0.58	1.98	3	3
1:A:3:SER:HB3	1:A:4:PRO:HD2	0.58	1.75	13	17
1:B:35:LYS:HG2	1:B:55:PHE:CD2	0.57	2.34	20	4
1:B:42:LEU:HD22	1:B:45:PHE:CB	0.57	2.29	1	1
1:B:18:LYS:HE3	1:B:19:TYR:CE1	0.57	2.35	19	4
1:B:3:SER:HB3	1:B:4:PRO:HD2	0.57	1.76	8	17
1:B:6:GLU:OE2	1:B:7:LYS:HG2	0.57	1.99	14	1
1:B:7:LYS:HA	1:B:7:LYS:HE2	0.57	1.76	6	4
1:A:6:GLU:OE2	1:A:7:LYS:HG2	0.57	1.99	14	1
1:B:52:GLU:HA	1:B:55:PHE:CZ	0.57	2.33	19	1
1:A:96:LYS:HD2	1:B:71:ASP:OD1	0.57	2.00	1	3
1:A:3:SER:CB	1:A:4:PRO:HD2	0.57	2.30	5	16
1:B:6:GLU:O	1:B:9:LEU:HG	0.57	2.00	19	13
1:B:31:LYS:HG3	1:B:59:MET:SD	0.57	2.39	8	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:35:LYS:HG2	1:A:55:PHE:CD2	0.57	2.34	20	4
1:A:65:ASN:HD22	1:A:67:ASP:HB2	0.57	1.59	2	1
1:A:31:LYS:HG3	1:A:59:MET:SD	0.57	2.39	8	1
1:B:34:LEU:HD22	1:B:59:MET:HE3	0.57	1.76	3	4
1:A:71:ASP:OD1	1:B:96:LYS:HD2	0.57	1.99	1	3
1:B:65:ASN:HD22	1:B:67:ASP:HB2	0.57	1.59	2	1
1:A:75:TYR:CZ	1:A:79:LEU:HD11	0.57	2.35	20	2
1:A:18:LYS:HE3	1:A:19:TYR:CE1	0.57	2.34	19	4
1:A:7:LYS:HA	1:A:7:LYS:HE2	0.57	1.76	14	4
1:B:75:TYR:CZ	1:B:79:LEU:HD11	0.57	2.35	20	2
1:B:30:ASN:H	1:B:30:ASN:ND2	0.56	1.96	9	1
1:A:6:GLU:O	1:A:9:LEU:HG	0.56	1.99	19	13
1:A:63:ASP:O	1:A:66:ARG:HD3	0.56	2.01	16	8
1:B:63:ASP:O	1:B:66:ARG:HD3	0.56	2.01	16	8
1:A:30:ASN:H	1:A:30:ASN:ND2	0.56	1.96	9	1
1:A:42:LEU:HD22	1:A:45:PHE:CB	0.56	2.29	1	1
1:B:3:SER:CB	1:B:4:PRO:HD2	0.56	2.30	2	17
1:A:34:LEU:HD22	1:A:59:MET:HE3	0.56	1.76	3	4
1:B:37:LEU:O	1:B:41:GLU:HG2	0.56	2.01	15	4
1:B:53:ALA:O	1:B:57:LYS:HE3	0.56	2.01	18	10
1:A:6:GLU:HB2	1:B:41:GLU:O	0.55	2.02	5	1
1:A:41:GLU:O	1:B:6:GLU:HB2	0.55	2.02	5	1
1:B:73:GLN:O	1:B:77:VAL:HG23	0.55	2.01	9	1
1:A:7:LYS:HA	1:A:7:LYS:CE	0.55	2.32	6	9
1:A:37:LEU:O	1:A:41:GLU:HG2	0.55	2.00	15	5
1:A:38:LEU:HD11	1:A:78:PHE:CZ	0.55	2.37	19	4
1:B:7:LYS:HA	1:B:7:LYS:CE	0.55	2.32	6	9
1:B:81:SER:O	1:B:85:MET:HG2	0.55	2.02	1	11
1:B:38:LEU:HD11	1:B:78:PHE:CZ	0.55	2.37	19	4
1:A:53:ALA:O	1:A:57:LYS:HE3	0.54	2.02	18	10
1:A:81:SER:O	1:A:85:MET:HG2	0.54	2.02	11	11
1:B:91:GLU:CD	1:B:96:LYS:HE3	0.54	2.27	12	4
1:B:13:VAL:HA	1:B:72:PHE:CZ	0.54	2.37	15	2
1:B:91:GLU:OE2	1:B:96:LYS:HE3	0.54	2.02	14	2
1:A:73:GLN:O	1:A:77:VAL:HG23	0.54	2.01	9	1
1:A:6:GLU:CD	1:A:7:LYS:HD3	0.54	2.28	13	2
1:B:22:LYS:HE3	1:B:33:GLU:OE1	0.54	2.03	3	2
1:B:62:LEU:HD22	1:B:78:PHE:HB2	0.54	1.79	1	10
1:A:87:ASN:HD22	1:A:87:ASN:C	0.53	2.11	2	5
1:A:37:LEU:HG	1:A:41:GLU:CG	0.53	2.33	20	5
1:A:13:VAL:HA	1:A:72:PHE:CZ	0.53	2.37	15	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:43:PRO:O	1:B:47:GLY:HA3	0.53	2.04	20	6
1:B:91:GLU:OE1	1:B:96:LYS:HG2	0.53	2.04	6	4
1:A:91:GLU:CD	1:A:96:LYS:HE3	0.53	2.27	12	4
1:B:37:LEU:HG	1:B:41:GLU:CG	0.53	2.34	20	4
1:A:43:PRO:O	1:A:47:GLY:HA3	0.53	2.03	20	5
1:A:29:LEU:CD1	1:A:37:LEU:HD13	0.53	2.34	4	11
1:A:72:PHE:HB3	1:B:87:ASN:CG	0.53	2.29	4	2
1:B:6:GLU:CD	1:B:7:LYS:HD3	0.53	2.28	13	2
1:B:10:ASP:O	1:B:13:VAL:HB	0.53	2.04	4	3
1:A:91:GLU:OE2	1:A:96:LYS:HE3	0.53	2.02	14	1
1:B:6:GLU:CD	1:B:7:LYS:HG2	0.53	2.28	14	2
1:B:3:SER:HB2	1:B:4:PRO:HD2	0.53	1.80	1	1
1:B:29:LEU:CD1	1:B:37:LEU:HD13	0.53	2.34	4	9
1:B:35:LYS:HG2	1:B:55:PHE:CG	0.53	2.39	11	3
1:B:86:SER:O	1:B:90:PHE:HB2	0.53	2.04	3	4
1:A:91:GLU:OE1	1:A:96:LYS:HG2	0.52	2.04	6	4
1:A:22:LYS:HE3	1:A:33:GLU:OE1	0.52	2.04	3	2
1:A:3:SER:HB2	1:A:4:PRO:HD2	0.52	1.80	1	1
1:A:6:GLU:CD	1:A:7:LYS:HG2	0.52	2.28	14	2
1:A:10:ASP:O	1:A:13:VAL:HB	0.52	2.04	4	3
1:A:35:LYS:HG2	1:A:55:PHE:CG	0.52	2.39	11	3
1:A:3:SER:O	1:A:5:LEU:N	0.52	2.43	14	19
1:B:3:SER:O	1:B:5:LEU:N	0.52	2.43	14	20
1:B:87:ASN:HD22	1:B:87:ASN:C	0.52	2.11	2	4
1:B:13:VAL:HG13	1:B:16:PHE:CZ	0.52	2.40	14	1
1:B:84:MET:HA	1:B:87:ASN:OD1	0.52	2.05	20	3
1:B:41:GLU:C	1:B:43:PRO:HD3	0.52	2.30	8	4
1:A:62:LEU:HD22	1:A:78:PHE:HB2	0.52	1.79	1	9
1:B:37:LEU:HD22	1:B:75:TYR:CZ	0.52	2.40	14	2
1:A:72:PHE:HB2	1:B:87:ASN:CG	0.52	2.29	3	5
1:A:86:SER:O	1:A:90:PHE:HB2	0.51	2.04	3	4
1:A:87:ASN:CG	1:B:72:PHE:HB2	0.51	2.30	3	5
1:A:20:SER:O	1:A:26:LYS:HA	0.51	2.05	8	1
1:A:41:GLU:C	1:A:43:PRO:HD3	0.51	2.30	8	4
1:A:13:VAL:HG13	1:A:16:PHE:CZ	0.51	2.39	14	1
1:B:28:LYS:NZ	1:B:71:ASP:HB3	0.51	2.18	3	1
1:B:73:GLN:HE21	1:B:74:GLU:N	0.51	2.03	16	2
1:B:30:ASN:ND2	1:B:30:ASN:H	0.51	2.04	3	19
1:B:71:ASP:OD1	1:B:74:GLU:HG3	0.51	2.06	12	7
1:A:37:LEU:HD22	1:A:75:TYR:CZ	0.51	2.40	14	2
1:A:30:ASN:ND2	1:A:30:ASN:H	0.51	2.04	3	19

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:27:PHE:HA	1:B:72:PHE:CZ	0.51	2.41	14	1
1:A:71:ASP:OD1	1:A:74:GLU:HG3	0.51	2.06	6	7
1:B:32:SER:O	1:B:36:GLU:HG3	0.51	2.05	17	4
1:A:84:MET:HA	1:A:87:ASN:OD1	0.51	2.04	20	3
1:B:20:SER:O	1:B:26:LYS:HA	0.51	2.05	8	1
1:A:73:GLN:HE21	1:A:74:GLU:N	0.51	2.03	16	2
1:B:45:PHE:CD2	1:B:82:ILE:HG21	0.51	2.41	8	1
1:A:58:LEU:HD11	1:A:78:PHE:CE1	0.50	2.41	1	5
1:B:58:LEU:HD11	1:B:78:PHE:CE1	0.50	2.41	1	5
1:B:6:GLU:OE1	1:B:9:LEU:HD11	0.50	2.06	17	3
1:B:12:MET:SD	1:B:79:LEU:HD12	0.50	2.46	3	2
1:A:32:SER:O	1:A:36:GLU:HG3	0.50	2.05	17	4
1:B:54:ALA:HA	1:B:57:LYS:CD	0.50	2.36	20	1
1:A:71:ASP:OD2	1:A:74:GLU:HG3	0.50	2.07	1	3
1:A:44:SER:CB	1:B:7:LYS:HD2	0.50	2.37	14	4
1:A:27:PHE:HA	1:A:72:PHE:CZ	0.50	2.41	14	1
1:A:96:LYS:HB2	1:B:71:ASP:OD1	0.50	2.06	5	1
1:A:6:GLU:OE1	1:A:9:LEU:HD11	0.50	2.07	17	3
1:A:54:ALA:HA	1:A:57:LYS:CD	0.50	2.36	20	1
1:A:12:MET:SD	1:A:79:LEU:HD12	0.50	2.46	3	2
1:A:88:GLU:CD	1:A:96:LYS:HZ1	0.50	2.15	11	1
1:A:26:LYS:O	1:A:26:LYS:HG3	0.50	2.07	13	1
1:A:35:LYS:HA	1:A:55:PHE:CD1	0.50	2.42	20	1
1:B:42:LEU:HD22	1:B:45:PHE:HB2	0.50	1.83	1	1
1:A:31:LYS:HG2	1:A:59:MET:SD	0.50	2.47	2	4
1:B:31:LYS:HG2	1:B:59:MET:SD	0.50	2.47	2	4
1:A:7:LYS:HA	1:A:7:LYS:HZ2	0.50	1.67	17	1
1:B:7:LYS:HZ2	1:B:7:LYS:HA	0.50	1.65	17	1
1:A:29:LEU:O	1:A:69:GLU:HA	0.50	2.07	5	7
1:A:71:ASP:OD1	1:B:96:LYS:HB2	0.50	2.06	5	1
1:B:72:PHE:O	1:B:75:TYR:CD2	0.50	2.65	7	1
1:B:38:LEU:HB3	1:B:46:LEU:CD1	0.50	2.37	19	2
1:A:42:LEU:HD22	1:A:45:PHE:HB2	0.50	1.84	1	1
1:A:7:LYS:HD2	1:B:44:SER:CB	0.50	2.37	14	3
1:A:87:ASN:CG	1:B:72:PHE:HB3	0.50	2.31	4	1
1:A:42:LEU:HD23	1:B:6:GLU:HG2	0.50	1.83	6	1
1:B:35:LYS:HA	1:B:55:PHE:CD1	0.50	2.42	20	1
1:B:59:MET:SD	1:B:68:ASN:ND2	0.49	2.85	11	4
1:B:37:LEU:HD22	1:B:75:TYR:OH	0.49	2.08	14	3
1:A:72:PHE:O	1:A:75:TYR:CD2	0.49	2.65	7	1
1:A:45:PHE:CD2	1:A:82:ILE:HG21	0.49	2.41	8	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:71:ASP:OD2	1:B:74:GLU:HG3	0.49	2.06	1	3
1:B:13:VAL:HA	1:B:16:PHE:CE2	0.49	2.43	17	2
1:A:87:ASN:ND2	1:B:72:PHE:HB3	0.49	2.23	5	1
1:B:25:ASP:O	1:B:26:LYS:HB3	0.49	2.07	8	1
1:A:28:LYS:NZ	1:A:71:ASP:HB3	0.49	2.18	3	1
1:A:13:VAL:HA	1:A:16:PHE:CE2	0.49	2.43	17	2
1:A:59:MET:SD	1:A:68:ASN:ND2	0.49	2.86	11	4
1:A:6:GLU:HG2	1:B:42:LEU:HD23	0.49	1.85	6	1
1:A:87:ASN:O	1:A:90:PHE:HB3	0.49	2.08	16	4
1:B:48:LYS:N	1:B:48:LYS:HE2	0.49	2.22	6	1
1:B:87:ASN:O	1:B:90:PHE:HB3	0.49	2.08	16	4
1:A:72:PHE:HB2	1:B:87:ASN:OD1	0.49	2.07	11	2
1:B:29:LEU:O	1:B:69:GLU:HA	0.49	2.07	5	7
1:B:45:PHE:CE1	1:B:82:ILE:HG21	0.49	2.43	9	1
1:A:72:PHE:HB3	1:B:87:ASN:ND2	0.49	2.23	5	1
1:B:88:GLU:CD	1:B:96:LYS:HZ1	0.49	2.16	9	2
1:A:38:LEU:HB3	1:A:46:LEU:CD1	0.49	2.37	19	2
1:A:87:ASN:OD1	1:B:72:PHE:HB2	0.49	2.07	11	2
1:A:45:PHE:CE1	1:A:82:ILE:HG21	0.48	2.43	9	1
1:A:3:SER:CB	1:A:4:PRO:CD	0.48	2.91	8	14
1:A:48:LYS:N	1:A:48:LYS:HE2	0.48	2.22	6	1
1:B:26:LYS:O	1:B:26:LYS:HG3	0.48	2.07	13	1
1:A:6:GLU:CD	1:B:42:LEU:HD23	0.48	2.34	1	1
1:A:44:SER:HB2	1:B:7:LYS:CD	0.48	2.38	5	1
1:A:25:ASP:O	1:A:26:LYS:HB3	0.48	2.07	8	1
1:A:88:GLU:OE2	1:B:73:GLN:HB3	0.48	2.09	9	1
1:A:87:ASN:ND2	1:A:88:GLU:N	0.48	2.62	13	5
1:B:87:ASN:ND2	1:B:88:GLU:N	0.48	2.62	2	5
1:B:42:LEU:N	1:B:43:PRO:HD3	0.48	2.24	6	10
1:B:87:ASN:ND2	1:B:96:LYS:HE2	0.48	2.24	11	3
1:A:87:ASN:ND2	1:A:96:LYS:HE2	0.48	2.24	11	3
1:A:42:LEU:N	1:A:43:PRO:HD3	0.48	2.24	7	9
1:A:6:GLU:HG3	1:B:42:LEU:CD2	0.48	2.38	5	2
1:B:3:SER:CB	1:B:4:PRO:CD	0.48	2.92	8	14
1:A:91:GLU:OE2	1:A:94:PRO:HA	0.48	2.09	14	4
1:A:7:LYS:CD	1:B:44:SER:HB2	0.48	2.39	5	1
1:A:36:GLU:O	1:A:40:ARG:HB2	0.48	2.09	4	13
1:A:3:SER:HB3	1:A:4:PRO:CD	0.48	2.38	8	3
1:B:78:PHE:O	1:B:82:ILE:HG13	0.48	2.09	17	8
1:A:37:LEU:HG	1:A:41:GLU:HG3	0.48	1.85	20	3
1:B:37:LEU:HG	1:B:41:GLU:HG3	0.48	1.85	20	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:28:LYS:HZ3	1:B:71:ASP:CB	0.48	2.20	3	1
1:B:33:GLU:N	1:B:33:GLU:CD	0.48	2.72	9	1
1:B:3:SER:HB3	1:B:4:PRO:CD	0.47	2.38	8	4
1:B:91:GLU:HG3	1:B:96:LYS:NZ	0.47	2.25	6	1
1:B:91:GLU:OE2	1:B:94:PRO:HA	0.47	2.10	14	3
1:B:87:ASN:C	1:B:87:ASN:HD22	0.47	2.16	13	1
1:A:80:SER:HB3	1:B:80:SER:HB3	0.47	1.86	14	11
1:B:75:TYR:CD1	1:B:75:TYR:C	0.47	2.92	7	1
1:A:33:GLU:N	1:A:33:GLU:CD	0.47	2.72	9	1
1:A:75:TYR:CZ	1:A:79:LEU:HD21	0.47	2.45	4	1
1:B:27:PHE:HA	1:B:72:PHE:CE1	0.47	2.43	11	3
1:A:42:LEU:HD23	1:B:6:GLU:CD	0.47	2.33	1	1
1:B:15:THR:O	1:B:18:LYS:HB3	0.47	2.10	6	5
1:A:88:GLU:HA	1:A:91:GLU:OE2	0.47	2.09	8	2
1:A:37:LEU:HD22	1:A:75:TYR:OH	0.47	2.08	14	2
1:A:78:PHE:O	1:A:82:ILE:HG13	0.47	2.09	17	8
1:B:88:GLU:HA	1:B:91:GLU:OE2	0.47	2.09	8	2
1:A:43:PRO:HD2	1:B:6:GLU:OE2	0.47	2.10	10	1
1:A:27:PHE:HA	1:A:72:PHE:CE1	0.47	2.43	11	3
1:A:7:LYS:O	1:A:11:VAL:HG23	0.47	2.10	5	4
1:A:91:GLU:HG3	1:A:96:LYS:NZ	0.47	2.24	6	1
1:A:17:HIS:HA	1:A:20:SER:OG	0.47	2.10	10	2
1:B:91:GLU:CG	1:B:96:LYS:HE2	0.47	2.40	5	1
1:A:42:LEU:CD2	1:B:6:GLU:HG3	0.46	2.38	5	2
1:B:7:LYS:O	1:B:11:VAL:HG23	0.46	2.11	5	4
1:B:75:TYR:CZ	1:B:79:LEU:HD21	0.46	2.45	4	1
1:A:15:THR:O	1:A:18:LYS:HB3	0.46	2.10	6	5
1:B:12:MET:SD	1:B:15:THR:HB	0.46	2.50	17	2
1:B:46:LEU:HD22	1:B:49:ARG:O	0.46	2.11	6	1
1:A:6:GLU:OE2	1:B:43:PRO:HD2	0.46	2.10	10	1
1:A:32:SER:O	1:A:35:LYS:HB2	0.46	2.10	10	1
1:A:6:GLU:HA	1:A:9:LEU:HG	0.46	1.87	19	1
1:B:36:GLU:O	1:B:40:ARG:HB2	0.46	2.09	4	12
1:A:46:LEU:HD22	1:A:49:ARG:O	0.46	2.11	6	2
1:A:91:GLU:CG	1:A:96:LYS:HE2	0.46	2.41	5	1
1:A:64:SER:HA	1:A:66:ARG:NH1	0.46	2.26	5	3
1:A:62:LEU:O	1:A:74:GLU:HB3	0.46	2.11	5	2
1:A:96:LYS:N	1:A:96:LYS:HE2	0.46	2.26	10	1
1:B:17:HIS:HA	1:B:20:SER:OG	0.46	2.10	10	2
1:B:32:SER:O	1:B:35:LYS:HB2	0.46	2.10	10	1
1:A:42:LEU:HA	1:B:6:GLU:CD	0.46	2.36	5	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:73:GLN:HB3	1:B:88:GLU:OE2	0.46	2.10	9	1
1:A:15:THR:HG23	1:A:41:GLU:OE2	0.46	2.11	12	4
1:A:28:LYS:HE2	1:B:96:LYS:O	0.46	2.10	11	1
1:A:87:ASN:HA	1:A:90:PHE:CB	0.46	2.41	18	1
1:B:6:GLU:HA	1:B:9:LEU:HG	0.46	1.87	19	1
1:B:7:LYS:CE	1:B:7:LYS:CA	0.46	2.94	7	3
1:A:7:LYS:NZ	1:A:7:LYS:HA	0.46	2.26	11	1
1:B:15:THR:HG23	1:B:41:GLU:OE2	0.46	2.11	16	5
1:B:81:SER:HA	1:B:84:MET:HE3	0.46	1.87	8	1
1:A:6:GLU:CD	1:B:42:LEU:HA	0.46	2.36	5	1
1:B:62:LEU:O	1:B:74:GLU:HB3	0.45	2.11	5	2
1:B:12:MET:HE3	1:B:79:LEU:HD12	0.45	1.87	15	1
1:A:81:SER:HA	1:A:84:MET:HE3	0.45	1.89	8	1
1:B:82:ILE:O	1:B:85:MET:HG2	0.45	2.12	8	1
1:B:64:SER:HA	1:B:66:ARG:NH1	0.45	2.26	5	2
1:B:28:LYS:HD3	1:B:69:GLU:O	0.45	2.12	6	2
1:A:82:ILE:O	1:A:85:MET:HG2	0.45	2.12	8	1
1:A:84:MET:CB	1:B:73:GLN:HA	0.45	2.41	8	2
1:B:31:LYS:HD3	1:B:55:PHE:CE1	0.45	2.46	12	1
1:B:7:LYS:HA	1:B:7:LYS:NZ	0.45	2.27	17	1
1:B:87:ASN:HA	1:B:90:PHE:CB	0.45	2.41	18	1
1:B:59:MET:CG	1:B:68:ASN:HA	0.45	2.41	15	1
1:A:7:LYS:HA	1:A:7:LYS:NZ	0.45	2.27	17	1
1:A:19:TYR:CD2	1:A:37:LEU:HG	0.45	2.46	17	1
1:A:7:LYS:CE	1:A:7:LYS:CA	0.45	2.95	3	3
1:A:75:TYR:CD1	1:A:75:TYR:C	0.45	2.91	7	1
1:A:31:LYS:HD3	1:A:55:PHE:CE1	0.45	2.47	12	1
1:B:19:TYR:CD2	1:B:37:LEU:HG	0.45	2.46	17	1
1:A:73:GLN:HA	1:B:84:MET:CB	0.45	2.41	8	2
1:B:96:LYS:N	1:B:96:LYS:HE2	0.45	2.26	10	1
1:A:3:SER:HB2	1:A:4:PRO:CD	0.45	2.42	1	1
1:B:37:LEU:HD21	1:B:75:TYR:CZ	0.45	2.47	9	2
1:A:96:LYS:O	1:B:28:LYS:HE2	0.45	2.12	11	1
1:A:28:LYS:NZ	1:A:71:ASP:HB2	0.45	2.27	13	1
1:A:12:MET:SD	1:A:15:THR:HB	0.45	2.51	17	2
1:A:28:LYS:CE	1:A:71:ASP:HB2	0.45	2.42	5	1
1:A:71:ASP:CG	1:A:72:PHE:N	0.45	2.75	5	1
1:A:37:LEU:HD21	1:A:75:TYR:CZ	0.45	2.47	9	2
1:A:59:MET:CG	1:A:68:ASN:HA	0.45	2.41	15	1
1:A:12:MET:HE3	1:A:79:LEU:HD12	0.44	1.87	15	1
1:B:18:LYS:HE3	1:B:19:TYR:CE2	0.44	2.47	11	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:28:LYS:NZ	1:B:71:ASP:HB2	0.44	2.27	13	1
1:B:91:GLU:OE1	1:B:96:LYS:HE3	0.44	2.12	17	1
1:A:28:LYS:HD3	1:A:69:GLU:O	0.44	2.12	6	2
1:A:37:LEU:O	1:A:41:GLU:HB2	0.44	2.13	7	1
1:A:45:PHE:CD1	1:A:82:ILE:HG21	0.44	2.47	9	1
1:B:87:ASN:HD21	1:B:96:LYS:HE2	0.44	1.73	14	1
1:A:91:GLU:OE1	1:A:96:LYS:HE3	0.44	2.12	17	1
1:B:71:ASP:CG	1:B:72:PHE:N	0.44	2.75	5	1
1:A:8:ALA:O	1:A:11:VAL:HB	0.44	2.13	7	2
1:B:14:SER:HA	1:B:17:HIS:CE1	0.44	2.48	3	3
1:A:21:GLY:HA3	1:A:26:LYS:CD	0.44	2.43	5	1
1:B:7:LYS:NZ	1:B:7:LYS:HA	0.44	2.27	11	1
1:A:6:GLU:OE2	1:B:12:MET:HE2	0.44	2.13	4	1
1:A:18:LYS:HE3	1:A:19:TYR:CE2	0.44	2.47	11	1
1:B:3:SER:HB2	1:B:4:PRO:CD	0.44	2.42	1	1
1:A:21:GLY:HA3	1:A:26:LYS:HD2	0.44	1.90	4	1
1:A:38:LEU:HD11	1:A:78:PHE:CE2	0.44	2.48	19	2
1:A:85:MET:HG3	1:A:86:SER:N	0.44	2.26	15	1
1:B:21:GLY:HA3	1:B:26:LYS:CD	0.44	2.42	5	1
1:B:38:LEU:HD11	1:B:78:PHE:CE2	0.44	2.48	19	2
1:B:5:LEU:O	1:B:8:ALA:HB3	0.44	2.13	8	3
1:A:16:PHE:CG	1:A:72:PHE:HD1	0.44	2.31	15	1
1:A:37:LEU:HG	1:A:41:GLU:HB2	0.44	1.90	7	1
1:A:15:THR:HA	1:A:18:LYS:CE	0.43	2.43	2	1
1:B:28:LYS:CE	1:B:71:ASP:HB2	0.43	2.42	5	1
1:B:8:ALA:O	1:B:11:VAL:HB	0.43	2.12	7	2
1:B:45:PHE:CD1	1:B:82:ILE:HG21	0.43	2.47	9	1
1:A:55:PHE:CD1	1:A:55:PHE:C	0.43	2.96	12	1
1:B:21:GLY:HA3	1:B:26:LYS:HD2	0.43	1.90	4	1
1:B:88:GLU:HG2	1:B:96:LYS:HZ2	0.43	1.73	15	1
1:A:14:SER:HA	1:A:17:HIS:CE1	0.43	2.47	3	3
1:A:37:LEU:O	1:A:41:GLU:N	0.43	2.48	7	1
1:A:5:LEU:O	1:A:8:ALA:HB3	0.43	2.13	8	4
1:B:16:PHE:CG	1:B:72:PHE:HD1	0.43	2.31	15	1
1:B:12:MET:SD	1:B:15:THR:CB	0.43	3.07	17	1
1:B:49:ARG:CD	1:B:54:ALA:HB2	0.43	2.43	16	1
1:B:52:GLU:HA	1:B:55:PHE:CD2	0.43	2.49	12	2
1:B:55:PHE:CD1	1:B:55:PHE:C	0.43	2.96	12	1
1:A:87:ASN:ND2	1:A:87:ASN:C	0.43	2.77	4	1
1:A:88:GLU:HG2	1:A:96:LYS:NZ	0.43	2.29	15	2
1:A:4:PRO:O	1:A:8:ALA:N	0.43	2.52	16	3

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:35:LYS:O	1:B:39:THR:HG23	0.43	2.13	20	1
1:B:59:MET:SD	1:B:60:SER:N	0.43	2.91	15	2
1:B:85:MET:HG3	1:B:86:SER:N	0.43	2.26	15	1
1:B:34:LEU:O	1:B:38:LEU:HB2	0.43	2.13	7	1
1:B:37:LEU:O	1:B:41:GLU:HB2	0.43	2.13	7	1
1:A:49:ARG:CD	1:A:54:ALA:HB2	0.43	2.43	16	1
1:A:16:PHE:HB2	1:A:75:TYR:CE2	0.43	2.49	5	2
1:B:37:LEU:HG	1:B:41:GLU:HB2	0.43	1.90	7	1
1:A:13:VAL:HG22	1:A:72:PHE:CZ	0.43	2.48	8	1
1:A:3:SER:C	1:A:5:LEU:H	0.43	2.20	10	1
1:A:52:GLU:HA	1:A:55:PHE:CD2	0.43	2.49	12	2
1:A:17:HIS:HA	1:A:72:PHE:CE1	0.43	2.49	14	1
1:A:56:GLN:O	1:A:59:MET:HB3	0.43	2.14	15	1
1:B:72:PHE:O	1:B:75:TYR:HD2	0.43	1.97	19	1
1:B:15:THR:HA	1:B:18:LYS:CE	0.43	2.43	2	1
1:B:88:GLU:HG2	1:B:96:LYS:NZ	0.43	2.29	15	2
1:A:87:ASN:HD21	1:A:96:LYS:HE2	0.43	1.73	14	1
1:B:17:HIS:HA	1:B:72:PHE:CE1	0.43	2.49	14	1
1:A:73:GLN:HE21	1:A:73:GLN:C	0.43	2.22	16	1
1:A:18:LYS:HE3	1:A:19:TYR:CD1	0.43	2.49	19	1
1:A:35:LYS:O	1:A:39:THR:HG23	0.43	2.14	20	1
1:A:16:PHE:HB2	1:A:72:PHE:CD2	0.42	2.49	11	1
1:A:16:PHE:CD1	1:A:72:PHE:CD1	0.42	3.07	14	1
1:A:87:ASN:O	1:A:91:GLU:HG2	0.42	2.14	15	1
1:B:87:ASN:O	1:B:91:GLU:HG2	0.42	2.14	15	1
1:B:73:GLN:HE21	1:B:73:GLN:C	0.42	2.22	16	1
1:A:63:ASP:OD1	1:A:65:ASN:ND2	0.42	2.51	19	1
1:B:18:LYS:HE3	1:B:19:TYR:CD1	0.42	2.49	19	1
1:A:12:MET:HE2	1:B:6:GLU:OE2	0.42	2.14	4	1
1:A:43:PRO:HD2	1:B:7:LYS:CE	0.42	2.44	9	1
1:A:59:MET:SD	1:A:60:SER:N	0.42	2.92	15	2
1:A:63:ASP:HA	1:A:74:GLU:CD	0.42	2.39	16	1
1:B:18:LYS:NZ	1:B:41:GLU:OE1	0.42	2.53	20	1
1:B:16:PHE:HB2	1:B:72:PHE:CD2	0.42	2.49	11	1
1:B:88:GLU:OE1	1:B:96:LYS:NZ	0.42	2.52	18	1
1:A:72:PHE:O	1:A:75:TYR:HD2	0.42	1.97	19	1
1:A:59:MET:SD	1:A:59:MET:C	0.42	3.02	6	2
1:B:46:LEU:HD13	1:B:50:THR:HA	0.42	1.91	14	1
1:A:7:LYS:HE2	1:A:7:LYS:CA	0.42	2.44	18	1
1:B:7:LYS:HE2	1:B:7:LYS:CA	0.42	2.43	18	1
1:B:16:PHE:HB2	1:B:75:TYR:CE2	0.42	2.49	5	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:59:MET:C	1:B:59:MET:SD	0.42	3.03	6	2
1:B:67:ASP:O	1:B:68:ASN:HB2	0.42	2.15	6	3
1:A:34:LEU:O	1:A:38:LEU:HB2	0.42	2.14	7	1
1:B:13:VAL:HG22	1:B:72:PHE:CZ	0.42	2.49	8	1
1:A:84:MET:O	1:A:87:ASN:HB3	0.42	2.15	11	2
1:B:16:PHE:CD1	1:B:72:PHE:CD1	0.42	3.08	14	1
1:A:12:MET:SD	1:A:15:THR:CB	0.42	3.07	17	1
1:B:91:GLU:HG2	1:B:96:LYS:HE2	0.42	1.91	5	1
1:A:67:ASP:O	1:A:68:ASN:HB2	0.42	2.15	6	2
1:A:38:LEU:HD13	1:A:42:LEU:HD12	0.42	1.92	9	1
1:B:84:MET:O	1:B:87:ASN:HB3	0.42	2.14	11	1
1:A:71:ASP:HB3	1:A:74:GLU:OE1	0.42	2.15	13	1
1:A:93:PHE:CD1	1:A:94:PRO:HD2	0.42	2.50	15	1
1:B:25:ASP:CG	1:B:26:LYS:H	0.42	2.23	17	1
1:A:17:HIS:HB3	1:A:72:PHE:CZ	0.42	2.50	5	2
1:A:42:LEU:HD23	1:B:6:GLU:CB	0.41	2.45	3	1
1:B:17:HIS:HB3	1:B:72:PHE:CZ	0.41	2.50	5	1
1:B:31:LYS:HE3	1:B:59:MET:SD	0.41	2.55	18	1
1:B:87:ASN:ND2	1:B:87:ASN:C	0.41	2.77	4	2
1:A:17:HIS:HB3	1:A:72:PHE:CE2	0.41	2.50	11	1
1:B:71:ASP:HB3	1:B:74:GLU:OE1	0.41	2.15	13	1
1:A:46:LEU:HD13	1:A:50:THR:HA	0.41	1.91	14	1
1:B:4:PRO:O	1:B:8:ALA:N	0.41	2.53	16	3
1:B:74:GLU:HA	1:B:74:GLU:OE1	0.41	2.16	18	1
1:B:3:SER:C	1:B:5:LEU:H	0.41	2.21	10	1
1:B:56:GLN:O	1:B:59:MET:HB3	0.41	2.14	15	1
1:B:91:GLU:OE1	1:B:96:LYS:HE2	0.41	2.15	4	1
1:A:14:SER:HA	1:A:17:HIS:NE2	0.41	2.30	16	1
1:B:63:ASP:HA	1:B:74:GLU:CD	0.41	2.39	16	1
1:A:31:LYS:HE3	1:A:59:MET:SD	0.41	2.56	18	1
1:B:88:GLU:OE1	1:B:94:PRO:HB3	0.41	2.15	19	1
1:A:15:THR:HA	1:A:18:LYS:HE2	0.41	1.93	2	1
1:A:55:PHE:CD1	1:A:56:GLN:N	0.41	2.89	13	1
1:A:25:ASP:CG	1:A:26:LYS:H	0.41	2.23	17	1
1:A:6:GLU:HB3	1:B:42:LEU:HD23	0.41	1.92	8	1
1:A:7:LYS:CE	1:B:43:PRO:HD2	0.41	2.45	9	1
1:B:15:THR:HA	1:B:18:LYS:HE2	0.41	1.93	2	1
1:A:6:GLU:CB	1:B:42:LEU:HD23	0.41	2.46	3	1
1:B:17:HIS:HB3	1:B:72:PHE:CE2	0.41	2.50	11	1
1:B:3:SER:C	1:B:5:LEU:N	0.41	2.79	19	2
1:B:32:SER:HB2	1:B:33:GLU:OE1	0.41	2.15	9	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:38:LEU:HD13	1:B:42:LEU:HD12	0.41	1.92	9	1
1:A:3:SER:C	1:A:5:LEU:N	0.41	2.79	19	2
1:A:28:LYS:HZ3	1:A:71:ASP:CB	0.41	2.20	3	1
1:A:91:GLU:OE1	1:A:96:LYS:HE2	0.41	2.16	4	1
1:A:37:LEU:HD23	1:A:37:LEU:C	0.41	2.41	7	2
1:A:16:PHE:CE1	1:A:75:TYR:CD1	0.41	3.09	11	1
1:B:37:LEU:O	1:B:41:GLU:N	0.40	2.48	7	1
1:B:37:LEU:C	1:B:37:LEU:HD23	0.40	2.41	7	2
1:B:16:PHE:CE1	1:B:75:TYR:CD1	0.40	3.09	11	1
1:A:19:TYR:CB	1:A:37:LEU:HD12	0.40	2.45	6	1
1:B:30:ASN:ND2	1:B:30:ASN:N	0.40	2.69	9	1
1:A:46:LEU:HD22	1:A:46:LEU:HA	0.40	1.76	18	2
1:A:18:LYS:NZ	1:A:41:GLU:OE1	0.40	2.53	20	1
1:A:32:SER:HB2	1:A:33:GLU:OE1	0.40	2.16	9	1
1:B:55:PHE:CD1	1:B:56:GLN:N	0.40	2.89	13	1
1:B:57:LYS:O	1:B:61:ASN:HB2	0.40	2.17	15	1
1:B:93:PHE:CD1	1:B:94:PRO:HD2	0.40	2.50	15	1
1:A:13:VAL:O	1:A:16:PHE:HB3	0.40	2.16	5	1
1:A:74:GLU:HA	1:A:74:GLU:OE1	0.40	2.17	18	1
1:A:72:PHE:HB3	1:B:87:ASN:OD1	0.40	2.17	4	1
1:A:91:GLU:HG2	1:A:96:LYS:HE2	0.40	1.91	5	1
1:B:12:MET:SD	1:B:12:MET:C	0.40	3.05	6	1
1:B:14:SER:HA	1:B:17:HIS:NE2	0.40	2.31	16	1
1:A:58:LEU:HA	1:A:61:ASN:ND2	0.40	2.32	20	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	94/101 (93%)	85±2 (91±2%)	6±2 (6±2%)	3±1 (3±1%)	5	39
1	B	94/101 (93%)	85±2 (91±2%)	6±2 (6±2%)	3±1 (3±1%)	5	39
All	All	3760/4040 (93%)	3416 (91%)	234 (6%)	110 (3%)	5	39

All 8 unique Ramachandran outliers are listed below. They are sorted by the frequency of occur-

rence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	A	4	PRO	20
1	B	4	PRO	20
1	A	3	SER	19
1	B	3	SER	19
1	A	63	ASP	10
1	B	63	ASP	10
1	A	94	PRO	6
1	B	94	PRO	6

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	86/92 (93%)	75±2 (87±3%)	11±2 (13±3%)	6 47
1	B	86/92 (93%)	75±2 (87±3%)	11±2 (13±3%)	6 46
All	All	3440/3680 (93%)	2990 (87%)	450 (13%)	6 46

All 74 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	9	LEU	20
1	A	73	GLN	20
1	B	9	LEU	20
1	B	73	GLN	20
1	A	71	ASP	15
1	B	71	ASP	15
1	A	57	LYS	14
1	B	57	LYS	14
1	A	4	PRO	14
1	B	4	PRO	14
1	A	7	LYS	13
1	B	7	LYS	13
1	A	22	LYS	11
1	B	22	LYS	11
1	B	49	ARG	11

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Mol	Chain	Res	Type	Models (Total)
1	A	3	SER	10
1	A	49	ARG	10
1	A	5	LEU	9
1	A	6	GLU	9
1	B	3	SER	9
1	B	5	LEU	9
1	B	6	GLU	9
1	A	87	ASN	8
1	B	87	ASN	8
1	A	96	LYS	8
1	B	96	LYS	8
1	A	65	ASN	8
1	B	65	ASN	8
1	A	12	MET	8
1	B	12	MET	8
1	B	30	ASN	7
1	A	46	LEU	6
1	B	46	LEU	6
1	A	30	ASN	6
1	A	26	LYS	4
1	A	33	GLU	4
1	A	88	GLU	4
1	B	26	LYS	4
1	B	33	GLU	4
1	B	88	GLU	4
1	A	59	MET	3
1	B	23	GLU	3
1	B	59	MET	3
1	A	38	LEU	2
1	A	48	LYS	2
1	B	38	LEU	2
1	B	48	LYS	2
1	A	75	TYR	2
1	B	75	TYR	2
1	A	23	GLU	2
1	A	68	ASN	1
1	B	68	ASN	1
1	A	41	GLU	1
1	A	72	PHE	1
1	A	95	ASP	1
1	B	41	GLU	1
1	B	72	PHE	1

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Mol	Chain	Res	Type	Models (Total)
1	B	95	ASP	1
1	A	15	THR	1
1	B	15	THR	1
1	A	50	THR	1
1	B	50	THR	1
1	A	56	GLN	1
1	B	56	GLN	1
1	A	16	PHE	1
1	A	25	ASP	1
1	B	16	PHE	1
1	B	25	ASP	1
1	A	85	MET	1
1	B	85	MET	1
1	A	34	LEU	1
1	B	34	LEU	1
1	A	42	LEU	1
1	B	42	LEU	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 (i)

There are no chain breaks in this entry.

7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 41% for the well-defined parts and 41% 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	1137
Number of shifts mapped to atoms	1137
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	2

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	100	-0.24 ± 0.17	None needed (< 0.5 ppm)
$^{13}C_{\beta}$	96	0.25 ± 0.13	None needed (< 0.5 ppm)
$^{13}C'$	100	-0.06 ± 0.11	None needed (< 0.5 ppm)
^{15}N	95	0.86 ± 0.28	Should be applied

7.1.3 Completeness of resonance assignments

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 41%, i.e. 1059 atoms were assigned a chemical shift out of a possible 2574. 0 out of 30 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	464/936 (50%)	185/378 (49%)	188/376 (50%)	91/182 (50%)
Sidechain	595/1406 (42%)	402/902 (45%)	186/452 (41%)	7/52 (13%)

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	Total	^{1}H	^{13}C	^{15}N
Aromatic	0/232 (0%)	0/114 (0%)	0/114 (0%)	0/4 (0%)
Overall	1059/2574 (41%)	587/1394 (42%)	374/942 (40%)	98/238 (41%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 41%, i.e. 1137 atoms were assigned a chemical shift out of a possible 2794. 0 out of 30 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	490/1002 (49%)	195/404 (48%)	200/404 (50%)	95/194 (49%)
Sidechain	647/1560 (41%)	439/1000 (44%)	200/496 (40%)	8/64 (12%)
Aromatic	0/232 (0%)	0/114 (0%)	0/114 (0%)	0/4 (0%)
Overall	1137/2794 (41%)	634/1518 (42%)	400/1014 (39%)	103/262 (39%)

7.1.4 Statistically unusual chemical shifts (i)

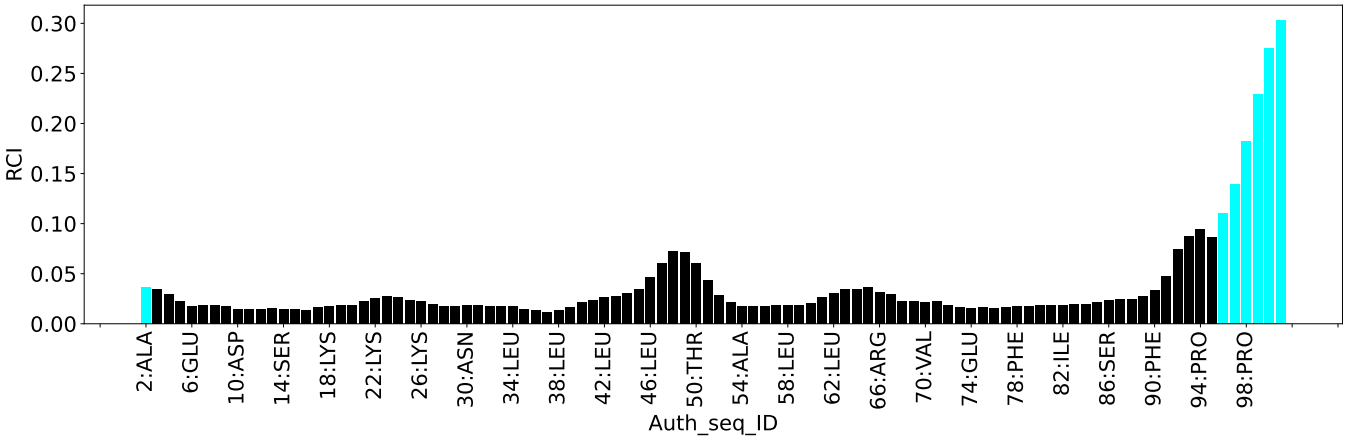
The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

List Id	Chain	Res	Type	Atom	Shift, *ppm*	Expected range, *ppm*	Z-score
1	A	20	SER	HB2	2.05	2.61 – 5.13	-7.2
1	A	28	LYS	CE	35.87	37.57 – 46.21	-7.0

7.1.5 Random Coil Index (RCI) plots (i)

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

Random coil index (RCI) for chain A:


RCI
0.30
0.25
0.20
0.15
0.10
0.05
0.00
2:ALA
6:GLU
10:ASP
14:SER
18:LYS
22:LYS
26:LYS
30:ASN
34:LEU
38:LEU
42:LEU
46:LEU
50:THR
54:ALA
58:LEU
62:LEU
66:ARG
70:VAL
74:GLU
78:PHE
82:ILE
86:SER
90:PHE
94:PRO
98: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	5118
Intra-residue (|i-j|=0)	1404
Sequential (|i-j|=1)	1032
Medium range (|i-j|>1 and |i-j|<5)	1316
Long range (|i-j|≥5)	918
Inter-chain	264
Hydrogen bond restraints	184
Disulfide bond restraints	0
Total dihedral-angle restraints	320
Number of unmapped restraints	0
Number of restraints per residue	26.9
Number of long range restraints per residue[1]	4.6

[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)	198.6	0.2
0.2-0.5 (Medium)	368.9	0.5
>0.5 (Large)	553.9	3.52

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)	16.6	9.95
10.0-20.0 (Medium)	1.4	18.62
>20.0 (Large)	None	None

9 Distance violation analysis (i)

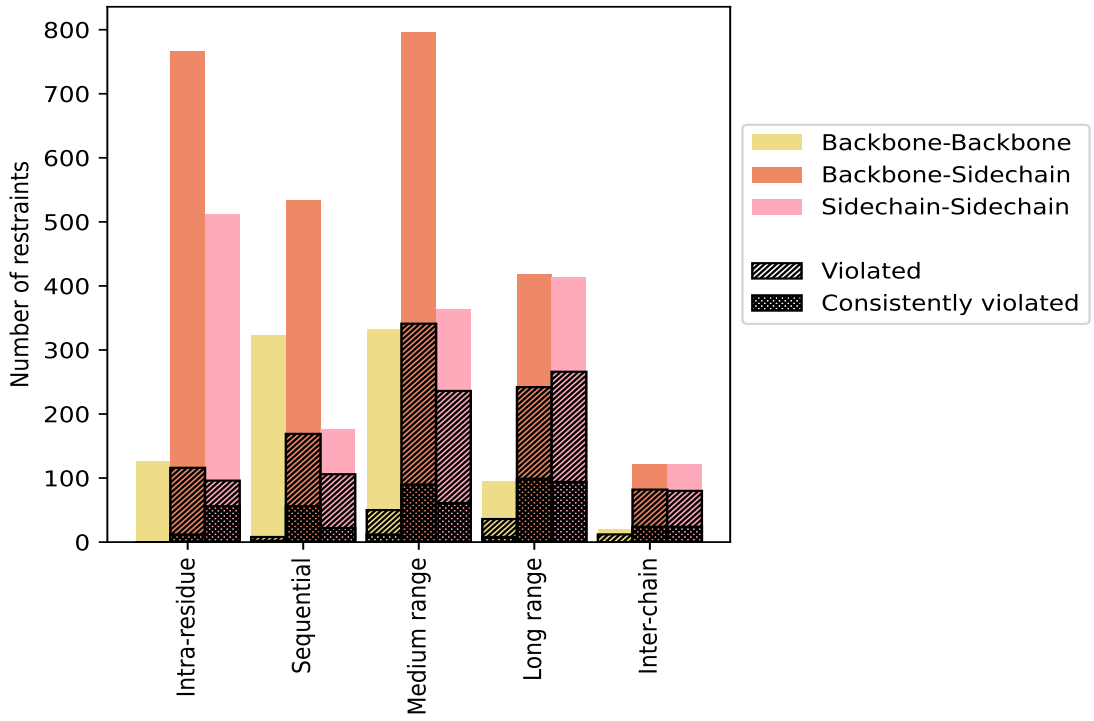
9.1 Summary of distance violations (i)

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)	1404	27.4	212	15.1	4.1	68	4.8	1.3
Backbone-Backbone	126	2.5	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	766	15.0	116	15.1	2.3	12	1.6	0.2
Sidechain-Sidechain	512	10.0	96	18.8	1.9	56	10.9	1.1
Sequential (|i-j|=1)	1032	20.2	283	27.4	5.5	80	7.8	1.6
Backbone-Backbone	322	6.3	8	2.5	0.2	2	0.6	0.0
Backbone-Sidechain	534	10.4	169	31.6	3.3	56	10.5	1.1
Sidechain-Sidechain	176	3.4	106	60.2	2.1	22	12.5	0.4
Medium range (|i-j|>1 & |i-j|<5)	1316	25.7	595	45.2	11.6	161	12.2	3.1
Backbone-Backbone	332	6.5	50	15.1	1.0	12	3.6	0.2
Backbone-Sidechain	620	12.1	309	49.8	6.0	88	14.2	1.7
Sidechain-Sidechain	364	7.1	236	64.8	4.6	61	16.8	1.2
Long range (|i-j|≥5)	918	17.9	540	58.8	10.6	201	21.9	3.9
Backbone-Backbone	94	1.8	36	38.3	0.7	8	8.5	0.2
Backbone-Sidechain	410	8.0	238	58.0	4.7	99	24.1	1.9
Sidechain-Sidechain	414	8.1	266	64.3	5.2	94	22.7	1.8
Inter-chain	264	5.2	174	65.9	3.4	48	18.2	0.9
Backbone-Backbone	20	0.4	12	60.0	0.2	0	0.0	0.0
Backbone-Sidechain	122	2.4	82	67.2	1.6	24	19.7	0.5
Sidechain-Sidechain	122	2.4	80	65.6	1.6	24	19.7	0.5
Hydrogen bond	184	3.6	36	19.6	0.7	2	1.1	0.0
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	5118	100.0	1840	36.0	36.0	560	10.9	10.9
Backbone-Backbone	894	17.5	106	11.9	2.1	22	2.5	0.4
Backbone-Sidechain	2636	51.5	950	36.0	18.6	281	10.7	5.5
Sidechain-Sidechain	1588	31.0	784	49.4	15.3	257	16.2	5.0

[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	122	187	364	313	130	1116	0.61	3.52	0.47	0.5
2	114	184	353	342	135	1128	0.61	2.8	0.46	0.49
3	132	192	352	328	139	1143	0.61	3.49	0.47	0.48
4	129	180	339	318	133	1099	0.62	2.75	0.46	0.51
5	131	177	370	312	146	1136	0.61	3.29	0.47	0.49
6	128	194	350	310	149	1131	0.62	3.37	0.45	0.52
7	129	197	364	317	136	1143	0.62	3.51	0.47	0.49
8	130	175	360	336	136	1137	0.64	3.36	0.49	0.53
9	138	189	358	329	137	1151	0.62	3.29	0.47	0.49
10	136	206	351	332	140	1165	0.64	3.39	0.49	0.51

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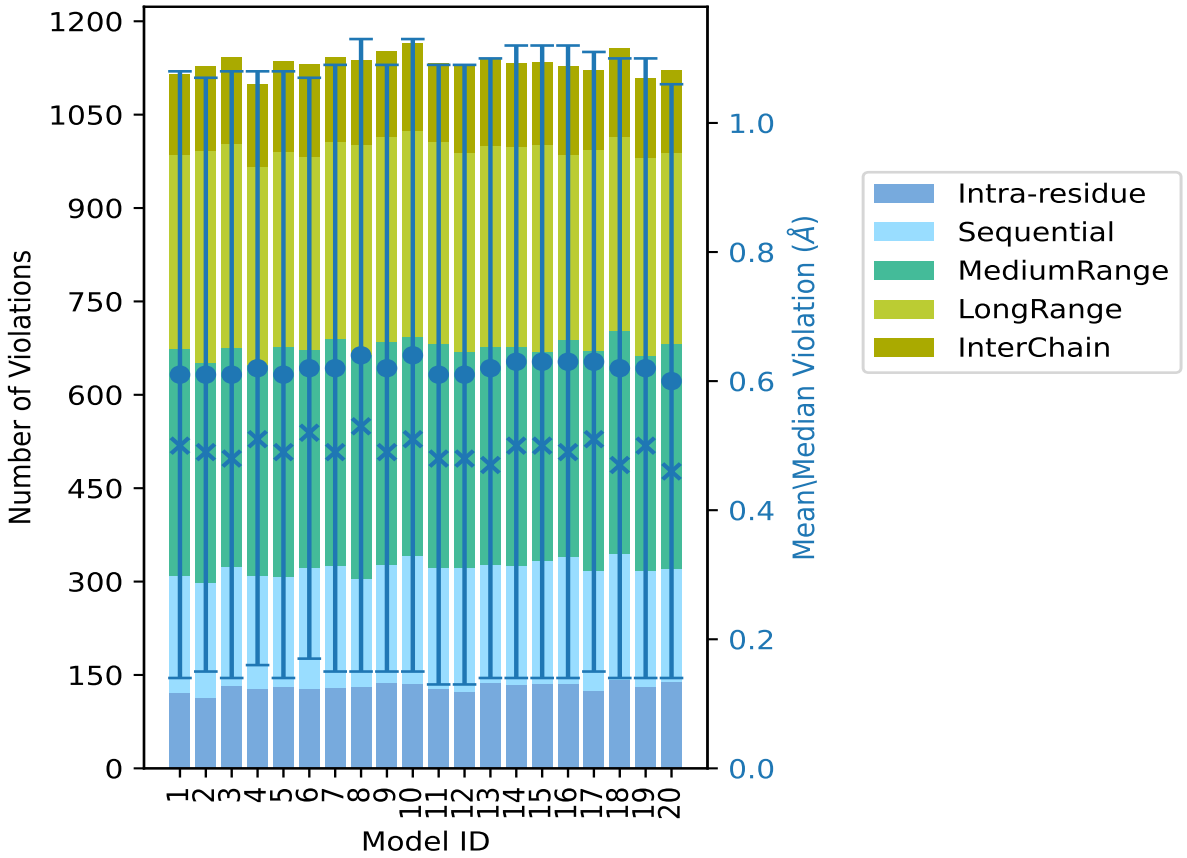
Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
11	128	194	359	326	126	1133	0.61	3.21	0.48	0.48
12	123	199	347	320	142	1131	0.61	3.28	0.48	0.48
13	137	190	350	323	139	1139	0.62	3.46	0.48	0.47
14	134	192	351	322	134	1133	0.63	3.45	0.49	0.5
15	137	196	336	332	133	1134	0.63	3.15	0.49	0.5
16	136	204	348	297	142	1127	0.63	2.86	0.49	0.49
17	125	192	354	322	128	1121	0.63	3.26	0.48	0.51
18	142	202	359	312	142	1157	0.62	3.04	0.48	0.47
19	132	185	345	319	128	1109	0.62	2.81	0.48	0.5
20	140	180	362	306	133	1121	0.6	2.99	0.46	0.46

[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

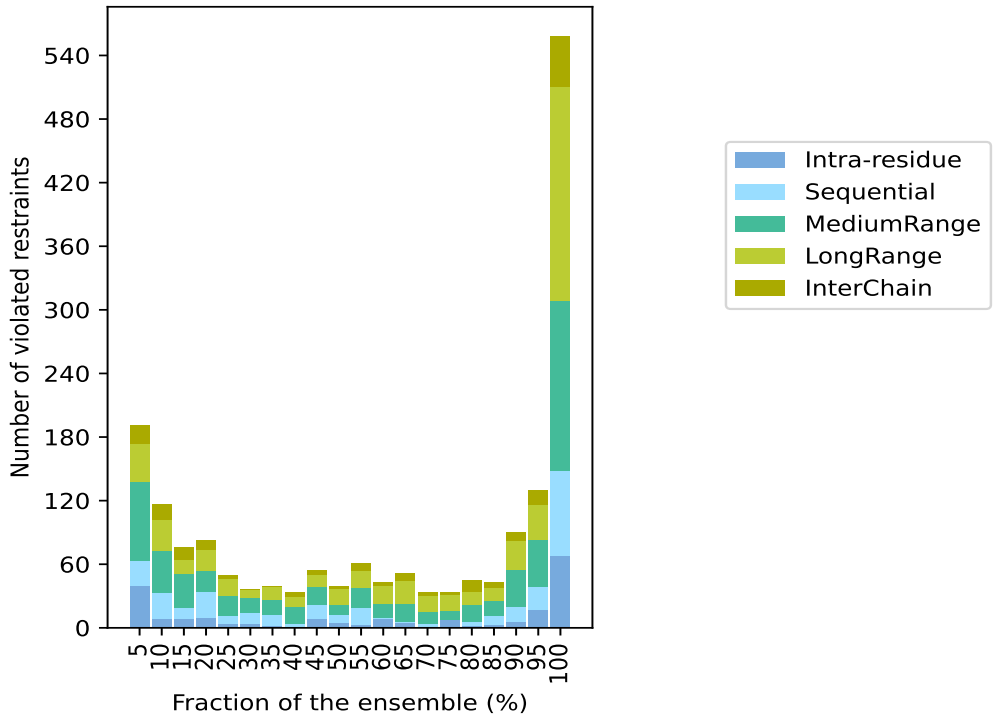
9.3 Distance violation statistics for the ensemble (i)

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, 3130(IR:1192, SQ:749, MR:721, LR:378, IC:90) 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]	%
40	23	75	36	17	191	1	5.0
9	24	40	29	15	117	2	10.0
9	10	32	13	12	76	3	15.0
10	24	20	20	9	83	4	20.0
4	8	18	16	3	49	5	25.0
4	10	14	8	0	36	6	30.0
2	10	14	13	0	39	7	35.0
0	4	16	9	4	33	8	40.0
8	14	17	11	4	54	9	45.0
5	7	10	15	2	39	10	50.0
3	16	19	16	7	61	11	55.0
9	0	14	17	3	43	12	60.0
5	1	17	21	7	51	13	65.0
0	4	11	15	3	33	14	70.0
8	0	8	15	2	33	15	75.0
2	4	16	12	11	45	16	80.0
3	8	14	13	5	43	17	85.0
6	14	35	27	8	90	18	90.0
17	22	44	33	14	130	19	95.0
68	80	161	201	48	558	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

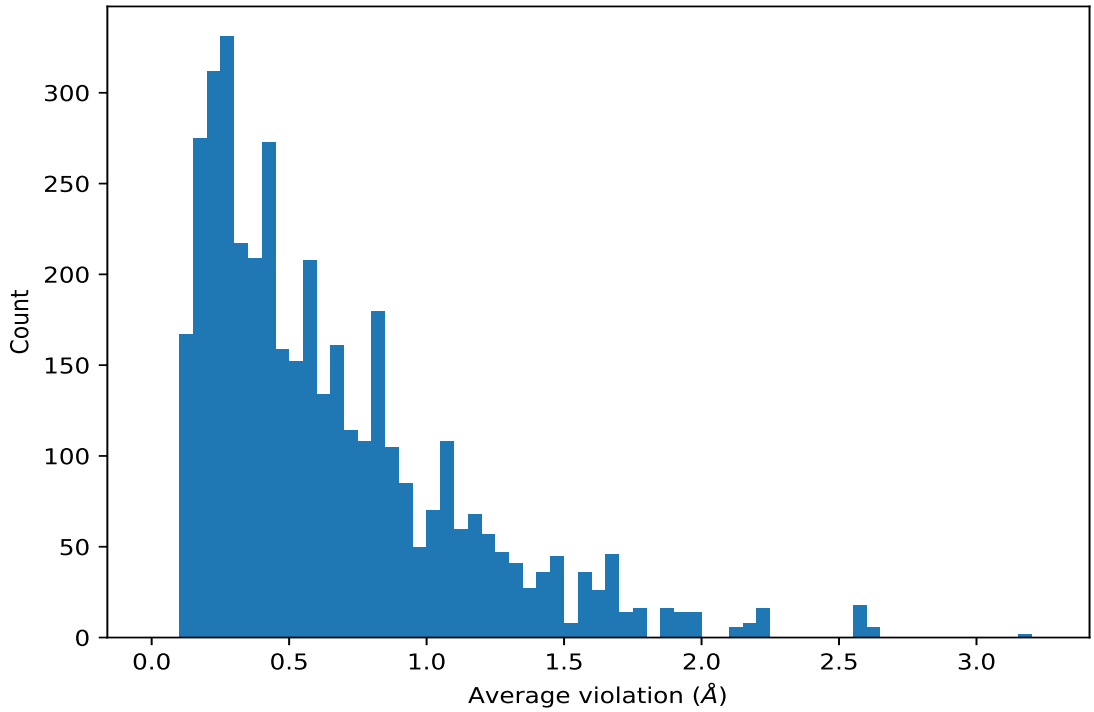
9.3.1 Bar graph : Distance violation statistics for the ensemble



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

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)
(1,1307)	1:9:A:LEU:HB2	1:9:B:LEU:HB2	20	3.18	0.31	3.28
(1,1308)	1:9:B:LEU:HB2	1:9:A:LEU:HB2	20	3.18	0.31	3.28
(1,4344)	1:27:B:PHE:H	1:37:B:LEU:HD11	20	2.62	0.17	2.65
(1,4344)	1:27:B:PHE:H	1:37:B:LEU:HD12	20	2.62	0.17	2.65
(1,4344)	1:27:B:PHE:H	1:37:B:LEU:HD13	20	2.62	0.17	2.65
(1,4343)	1:27:A:PHE:H	1:37:A:LEU:HD11	20	2.62	0.17	2.64
(1,4343)	1:27:A:PHE:H	1:37:A:LEU:HD12	20	2.62	0.17	2.64
(1,4343)	1:27:A:PHE:H	1:37:A:LEU:HD13	20	2.62	0.17	2.64
(1,3325)	1:8:A:ALA:HB2	1:79:B:LEU:HD11	20	2.56	0.15	2.58
(1,3325)	1:8:A:ALA:HB1	1:79:B:LEU:HD12	20	2.56	0.15	2.58
(1,3325)	1:8:A:ALA:HB3	1:79:B:LEU:HD11	20	2.56	0.15	2.58
(1,3325)	1:8:A:ALA:HB3	1:79:B:LEU:HD12	20	2.56	0.15	2.58
(1,3325)	1:8:A:ALA:HB2	1:79:B:LEU:HD13	20	2.56	0.15	2.58
(1,3325)	1:8:A:ALA:HB3	1:79:B:LEU:HD13	20	2.56	0.15	2.58
(1,3325)	1:8:A:ALA:HB2	1:79:B:LEU:HD12	20	2.56	0.15	2.58
(1,3325)	1:8:A:ALA:HB1	1:79:B:LEU:HD13	20	2.56	0.15	2.58

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3325)	1:8:A:ALA:HB1	1:79:B:LEU:HD11	20	2.56	0.15	2.58
(1,3326)	1:8:B:ALA:HB2	1:79:A:LEU:HD11	20	2.56	0.15	2.58
(1,3326)	1:8:B:ALA:HB1	1:79:A:LEU:HD12	20	2.56	0.15	2.58
(1,3326)	1:8:B:ALA:HB3	1:79:A:LEU:HD11	20	2.56	0.15	2.58
(1,3326)	1:8:B:ALA:HB3	1:79:A:LEU:HD12	20	2.56	0.15	2.58
(1,3326)	1:8:B:ALA:HB2	1:79:A:LEU:HD13	20	2.56	0.15	2.58
(1,3326)	1:8:B:ALA:HB3	1:79:A:LEU:HD13	20	2.56	0.15	2.58
(1,3326)	1:8:B:ALA:HB2	1:79:A:LEU:HD12	20	2.56	0.15	2.58
(1,3326)	1:8:B:ALA:HB1	1:79:A:LEU:HD13	20	2.56	0.15	2.58
(1,3326)	1:8:B:ALA:HB1	1:79:A:LEU:HD11	20	2.56	0.15	2.58
(1,3345)	1:77:A:VAL:HG11	1:79:A:LEU:HD21	20	2.24	0.14	2.27
(1,3345)	1:77:A:VAL:HG13	1:79:A:LEU:HD21	20	2.24	0.14	2.27
(1,3345)	1:77:A:VAL:HG13	1:79:A:LEU:HD22	20	2.24	0.14	2.27
(1,3345)	1:77:A:VAL:HG12	1:82:A:ILE:HG12	20	2.24	0.14	2.27
(1,3345)	1:77:A:VAL:HG13	1:79:A:LEU:HD23	20	2.24	0.14	2.27
(1,3345)	1:77:A:VAL:HG12	1:79:A:LEU:HD21	20	2.24	0.14	2.27
(1,3345)	1:77:A:VAL:HG11	1:79:A:LEU:HD22	20	2.24	0.14	2.27
(1,3345)	1:77:A:VAL:HG11	1:82:A:ILE:HG12	20	2.24	0.14	2.27
(1,3346)	1:77:B:VAL:HG11	1:79:B:LEU:HD21	20	2.24	0.14	2.27
(1,3346)	1:77:B:VAL:HG13	1:79:B:LEU:HD21	20	2.24	0.14	2.27
(1,3346)	1:77:B:VAL:HG13	1:79:B:LEU:HD22	20	2.24	0.14	2.27
(1,3346)	1:77:B:VAL:HG12	1:82:B:ILE:HG12	20	2.24	0.14	2.27
(1,3346)	1:77:B:VAL:HG13	1:79:B:LEU:HD23	20	2.24	0.14	2.27
(1,3346)	1:77:B:VAL:HG12	1:79:B:LEU:HD21	20	2.24	0.14	2.27
(1,3346)	1:77:B:VAL:HG11	1:79:B:LEU:HD22	20	2.24	0.14	2.27
(1,3346)	1:77:B:VAL:HG11	1:82:B:ILE:HG12	20	2.24	0.14	2.27
(1,3744)	1:36:B:GLU:HG3	1:37:B:LEU:HD11	20	2.19	0.19	2.24
(1,3744)	1:36:B:GLU:HG3	1:34:B:LEU:HD21	20	2.19	0.19	2.24
(1,3744)	1:36:B:GLU:HG3	1:37:B:LEU:HD13	20	2.19	0.19	2.24
(1,3744)	1:36:B:GLU:HG3	1:37:B:LEU:HD12	20	2.19	0.19	2.24
(1,3743)	1:36:A:GLU:HG3	1:37:A:LEU:HD11	20	2.19	0.19	2.24
(1,3743)	1:36:A:GLU:HG3	1:34:A:LEU:HD21	20	2.19	0.19	2.24
(1,3743)	1:36:A:GLU:HG3	1:37:A:LEU:HD13	20	2.19	0.19	2.24
(1,3743)	1:36:A:GLU:HG3	1:37:A:LEU:HD12	20	2.19	0.19	2.24
(1,3730)	1:69:B:GLU:HG2	1:29:B:LEU:HD11	20	2.14	0.12	2.14
(1,3730)	1:69:B:GLU:HG2	1:29:B:LEU:HD12	20	2.14	0.12	2.14
(1,3730)	1:69:B:GLU:HG2	1:29:B:LEU:HD13	20	2.14	0.12	2.14
(1,3729)	1:69:A:GLU:HG2	1:29:A:LEU:HD11	20	2.14	0.12	2.14
(1,3729)	1:69:A:GLU:HG2	1:29:A:LEU:HD12	20	2.14	0.12	2.14
(1,3729)	1:69:A:GLU:HG2	1:29:A:LEU:HD13	20	2.14	0.12	2.14
(1,3408)	1:13:B:VAL:HG23	1:79:B:LEU:HB3	20	1.98	0.2	2.02
(1,3408)	1:13:B:VAL:HG23	1:79:A:LEU:HB3	20	1.98	0.2	2.02

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3408)	1:13:B:VAL:HG21	1:79:A:LEU:HB3	20	1.98	0.2	2.02
(1,3408)	1:13:B:VAL:HG22	1:2:A:ALA:HB1	20	1.98	0.2	2.02
(1,3408)	1:11:B:VAL:HG21	1:2:A:ALA:HB3	20	1.98	0.2	2.02
(1,3408)	1:13:B:VAL:HG22	1:79:A:LEU:HB3	20	1.98	0.2	2.02
(1,3408)	1:13:B:VAL:HG21	1:79:B:LEU:HB3	20	1.98	0.2	2.02
(1,3407)	1:13:A:VAL:HG23	1:79:A:LEU:HB3	20	1.98	0.2	2.01
(1,3407)	1:13:A:VAL:HG23	1:79:B:LEU:HB3	20	1.98	0.2	2.01
(1,3407)	1:13:A:VAL:HG21	1:79:B:LEU:HB3	20	1.98	0.2	2.01
(1,3407)	1:13:A:VAL:HG22	1:2:B:ALA:HB1	20	1.98	0.2	2.01
(1,3407)	1:11:A:VAL:HG21	1:2:B:ALA:HB3	20	1.98	0.2	2.01
(1,3407)	1:13:A:VAL:HG22	1:79:B:LEU:HB3	20	1.98	0.2	2.01
(1,3407)	1:13:A:VAL:HG21	1:79:A:LEU:HB3	20	1.98	0.2	2.01
(1,3421)	1:5:A:LEU:HD12	1:79:B:LEU:HD11	20	1.93	0.2	2.0
(1,3421)	1:5:A:LEU:HD12	1:79:B:LEU:HD12	20	1.93	0.2	2.0
(1,3421)	1:5:A:LEU:HD11	1:79:B:LEU:HD11	20	1.93	0.2	2.0
(1,3421)	1:5:A:LEU:HD13	1:79:B:LEU:HD13	20	1.93	0.2	2.0
(1,3421)	1:5:A:LEU:HD12	1:79:B:LEU:HD13	20	1.93	0.2	2.0
(1,3421)	1:5:A:LEU:HD13	1:79:B:LEU:HD12	20	1.93	0.2	2.0
(1,3421)	1:5:A:LEU:HD13	1:79:B:LEU:HD11	20	1.93	0.2	2.0
(1,3422)	1:5:B:LEU:HD12	1:79:A:LEU:HD11	20	1.92	0.21	2.01
(1,3422)	1:5:B:LEU:HD12	1:79:A:LEU:HD12	20	1.92	0.21	2.01
(1,3422)	1:5:B:LEU:HD11	1:79:A:LEU:HD11	20	1.92	0.21	2.01
(1,3422)	1:5:B:LEU:HD13	1:79:A:LEU:HD13	20	1.92	0.21	2.01
(1,3422)	1:5:B:LEU:HD12	1:79:A:LEU:HD13	20	1.92	0.21	2.01
(1,3422)	1:5:B:LEU:HD13	1:79:A:LEU:HD12	20	1.92	0.21	2.01
(1,3422)	1:5:B:LEU:HD13	1:79:A:LEU:HD11	20	1.92	0.21	2.01
(1,3683)	1:85:A:MET:HB2	1:82:A:ILE:HD13	20	1.9	0.35	1.69
(1,3683)	1:12:A:MET:HB2	1:82:A:ILE:HD12	20	1.9	0.35	1.69
(1,3683)	1:85:A:MET:HB2	1:82:A:ILE:HD12	20	1.9	0.35	1.69
(1,3683)	1:85:A:MET:HB2	1:82:A:ILE:HD11	20	1.9	0.35	1.69
(1,3683)	1:85:A:MET:HB3	1:82:A:ILE:HD12	20	1.9	0.35	1.69
(1,3683)	1:85:A:MET:HB3	1:82:A:ILE:HD11	20	1.9	0.35	1.69
(1,3683)	1:12:A:MET:HB2	1:82:A:ILE:HD13	20	1.9	0.35	1.69
(1,3683)	1:85:A:MET:HB3	1:82:A:ILE:HD13	20	1.9	0.35	1.69
(1,3684)	1:85:B:MET:HB2	1:82:B:ILE:HD13	20	1.9	0.35	1.69
(1,3684)	1:12:B:MET:HB2	1:82:B:ILE:HD12	20	1.9	0.35	1.69
(1,3684)	1:85:B:MET:HB2	1:82:B:ILE:HD12	20	1.9	0.35	1.69
(1,3684)	1:85:B:MET:HB2	1:82:B:ILE:HD11	20	1.9	0.35	1.69
(1,3684)	1:85:B:MET:HB3	1:82:B:ILE:HD12	20	1.9	0.35	1.69
(1,3684)	1:85:B:MET:HB3	1:82:B:ILE:HD11	20	1.9	0.35	1.69
(1,3684)	1:12:B:MET:HB2	1:82:B:ILE:HD13	20	1.9	0.35	1.69
(1,3684)	1:85:B:MET:HB3	1:82:B:ILE:HD13	20	1.9	0.35	1.69

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,240)	1:89:B:PHE:H	1:94:B:PRO:HB2	20	1.75	0.06	1.78
(2,239)	1:89:A:PHE:H	1:94:A:PRO:HB2	20	1.75	0.06	1.77
(1,3626)	1:43:B:PRO:HB3	1:45:B:PHE:HB3	20	1.74	0.15	1.76
(1,3626)	1:43:B:PRO:HB3	1:45:B:PHE:HB2	20	1.74	0.15	1.76
(1,3625)	1:43:A:PRO:HB3	1:45:A:PHE:HB3	20	1.74	0.15	1.76
(1,3625)	1:43:A:PRO:HB3	1:45:A:PHE:HB2	20	1.74	0.15	1.76
(1,3336)	1:2:B:ALA:HB3	1:8:A:ALA:HA	20	1.73	0.28	1.84
(1,3336)	1:2:B:ALA:HB2	1:7:B:LYS:HA	20	1.73	0.28	1.84
(1,3336)	1:2:B:ALA:HB1	1:7:B:LYS:HA	20	1.73	0.28	1.84
(1,3336)	1:2:B:ALA:HB1	1:8:A:ALA:HA	20	1.73	0.28	1.84
(1,3336)	1:2:B:ALA:HB3	1:7:B:LYS:HA	20	1.73	0.28	1.84
(1,3335)	1:2:A:ALA:HB3	1:8:B:ALA:HA	20	1.73	0.28	1.84
(1,3335)	1:2:A:ALA:HB2	1:7:A:LYS:HA	20	1.73	0.28	1.84
(1,3335)	1:2:A:ALA:HB1	1:7:A:LYS:HA	20	1.73	0.28	1.84
(1,3335)	1:2:A:ALA:HB1	1:8:B:ALA:HA	20	1.73	0.28	1.84
(1,3335)	1:2:A:ALA:HB3	1:7:A:LYS:HA	20	1.73	0.28	1.84
(1,3374)	1:70:B:VAL:HG11	1:96:A:LYS:HB2	20	1.7	0.17	1.7
(1,3374)	1:70:B:VAL:HG13	1:96:A:LYS:HB2	20	1.7	0.17	1.7
(1,3374)	1:70:B:VAL:HG12	1:96:A:LYS:HB2	20	1.7	0.17	1.7
(1,3374)	1:70:B:VAL:HG11	1:96:A:LYS:HB3	20	1.7	0.17	1.7
(1,3374)	1:70:B:VAL:HG13	1:96:A:LYS:HB3	20	1.7	0.17	1.7
(1,3374)	1:70:B:VAL:HG11	1:33:B:GLU:HB2	20	1.7	0.17	1.7
(1,3374)	1:70:B:VAL:HG12	1:96:A:LYS:HB3	20	1.7	0.17	1.7
(1,3373)	1:70:A:VAL:HG11	1:96:B:LYS:HB2	20	1.69	0.17	1.68
(1,3373)	1:70:A:VAL:HG13	1:96:B:LYS:HB2	20	1.69	0.17	1.68
(1,3373)	1:70:A:VAL:HG12	1:96:B:LYS:HB2	20	1.69	0.17	1.68
(1,3373)	1:70:A:VAL:HG11	1:96:B:LYS:HB3	20	1.69	0.17	1.68
(1,3373)	1:70:A:VAL:HG13	1:96:B:LYS:HB3	20	1.69	0.17	1.68
(1,3373)	1:70:A:VAL:HG11	1:33:A:GLU:HB2	20	1.69	0.17	1.68
(1,3373)	1:70:A:VAL:HG12	1:96:B:LYS:HB3	20	1.69	0.17	1.68
(1,812)	1:57:B:LYS:HD3	1:59:B:MET:HB2	20	1.68	0.15	1.69
(1,812)	1:57:B:LYS:HD2	1:59:B:MET:HB2	20	1.68	0.15	1.69
(1,811)	1:57:A:LYS:HD3	1:59:A:MET:HB2	20	1.68	0.15	1.68
(1,811)	1:57:A:LYS:HD2	1:59:A:MET:HB2	20	1.68	0.15	1.68
(1,3401)	1:70:A:VAL:HG23	1:33:A:GLU:HB2	20	1.67	0.22	1.6
(1,3401)	1:70:A:VAL:HG21	1:33:A:GLU:HB2	20	1.67	0.22	1.6
(1,3401)	1:70:A:VAL:HG22	1:31:A:LYS:HB3	20	1.67	0.22	1.6
(1,3401)	1:70:A:VAL:HG22	1:33:A:GLU:HB2	20	1.67	0.22	1.6
(1,3401)	1:70:A:VAL:HG21	1:31:A:LYS:HB2	20	1.67	0.22	1.6
(1,3401)	1:70:A:VAL:HG23	1:31:A:LYS:HB3	20	1.67	0.22	1.6
(1,3402)	1:70:B:VAL:HG23	1:33:B:GLU:HB2	20	1.67	0.22	1.6
(1,3402)	1:70:B:VAL:HG21	1:33:B:GLU:HB2	20	1.67	0.22	1.6

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3402)	1:70:B:VAL:HG22	1:31:B:LYS:HB3	20	1.67	0.22	1.6
(1,3402)	1:70:B:VAL:HG22	1:33:B:GLU:HB2	20	1.67	0.22	1.6
(1,3402)	1:70:B:VAL:HG21	1:31:B:LYS:HB2	20	1.67	0.22	1.6
(1,3402)	1:70:B:VAL:HG23	1:31:B:LYS:HB3	20	1.67	0.22	1.6
(1,3473)	1:5:A:LEU:HD22	1:43:B:PRO:HD2	20	1.66	0.29	1.81
(1,3473)	1:5:A:LEU:HD21	1:43:B:PRO:HD2	20	1.66	0.29	1.81
(1,3473)	1:5:A:LEU:HD23	1:43:B:PRO:HD2	20	1.66	0.29	1.81
(1,3473)	1:5:A:LEU:HD23	1:43:B:PRO:HD3	20	1.66	0.29	1.81
(1,3474)	1:5:B:LEU:HD22	1:43:A:PRO:HD2	20	1.65	0.29	1.8
(1,3474)	1:5:B:LEU:HD21	1:43:A:PRO:HD2	20	1.65	0.29	1.8
(1,3474)	1:5:B:LEU:HD23	1:43:A:PRO:HD2	20	1.65	0.29	1.8
(1,3474)	1:5:B:LEU:HD23	1:43:A:PRO:HD3	20	1.65	0.29	1.8
(1,4529)	1:68:A:ASN:HD21	1:66:A:ARG:HG2	20	1.58	0.17	1.62
(1,4529)	1:68:A:ASN:HD21	1:66:A:ARG:HB2	20	1.58	0.17	1.62
(1,4530)	1:68:B:ASN:HD21	1:66:B:ARG:HG2	20	1.58	0.16	1.62
(1,4530)	1:68:B:ASN:HD21	1:66:B:ARG:HB2	20	1.58	0.16	1.62
(1,1389)	1:29:A:LEU:HB3	1:75:A:TYR:HB2	20	1.57	0.1	1.56
(1,1390)	1:29:B:LEU:HB3	1:75:B:TYR:HB2	20	1.57	0.1	1.56
(1,3665)	1:29:A:LEU:HD12	1:18:A:LYS:HB3	20	1.57	0.19	1.58
(1,3665)	1:29:A:LEU:HD13	1:18:A:LYS:HB3	20	1.57	0.19	1.58
(1,3665)	1:29:A:LEU:HD11	1:18:A:LYS:HB3	20	1.57	0.19	1.58
(1,3563)	1:56:A:GLN:HB2	1:35:A:LYS:HG3	20	1.57	0.2	1.58
(1,3666)	1:29:B:LEU:HD12	1:18:B:LYS:HB3	20	1.57	0.19	1.58
(1,3666)	1:29:B:LEU:HD13	1:18:B:LYS:HB3	20	1.57	0.19	1.58
(1,3666)	1:29:B:LEU:HD11	1:18:B:LYS:HB3	20	1.57	0.19	1.58
(1,3564)	1:56:B:GLN:HB2	1:35:B:LYS:HG3	20	1.57	0.2	1.58
(1,516)	1:42:B:LEU:HD12	1:5:A:LEU:HD22	20	1.55	0.2	1.56
(1,516)	1:42:B:LEU:HD13	1:5:A:LEU:HD21	20	1.55	0.2	1.56
(1,516)	1:42:B:LEU:HD12	1:5:A:LEU:HD23	20	1.55	0.2	1.56
(1,516)	1:42:B:LEU:HD12	1:5:A:LEU:HD21	20	1.55	0.2	1.56
(1,516)	1:42:B:LEU:HD13	1:5:A:LEU:HD22	20	1.55	0.2	1.56
(1,516)	1:42:B:LEU:HD11	1:5:A:LEU:HD23	20	1.55	0.2	1.56
(1,516)	1:42:B:LEU:HD11	1:5:A:LEU:HD22	20	1.55	0.2	1.56
(1,516)	1:42:B:LEU:HD13	1:5:A:LEU:HD23	20	1.55	0.2	1.56
(1,515)	1:42:A:LEU:HD12	1:5:B:LEU:HD22	20	1.55	0.2	1.56
(1,515)	1:42:A:LEU:HD13	1:5:B:LEU:HD21	20	1.55	0.2	1.56
(1,515)	1:42:A:LEU:HD12	1:5:B:LEU:HD23	20	1.55	0.2	1.56
(1,515)	1:42:A:LEU:HD12	1:5:B:LEU:HD21	20	1.55	0.2	1.56
(1,515)	1:42:A:LEU:HD13	1:5:B:LEU:HD22	20	1.55	0.2	1.56
(1,515)	1:42:A:LEU:HD11	1:5:B:LEU:HD23	20	1.55	0.2	1.56
(1,515)	1:42:A:LEU:HD11	1:5:B:LEU:HD22	20	1.55	0.2	1.56
(1,515)	1:42:A:LEU:HD13	1:5:B:LEU:HD23	20	1.55	0.2	1.56

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,786)	1:38:B:LEU:H	1:41:B:GLU:HB3	20	1.54	0.11	1.54
(1,785)	1:38:A:LEU:H	1:41:A:GLU:HB3	20	1.54	0.11	1.54
(1,3430)	1:46:B:LEU:HD13	1:48:B:LYS:HA	20	1.48	0.22	1.57
(1,3430)	1:46:B:LEU:HD12	1:45:B:PHE:HA	20	1.48	0.22	1.57
(1,3430)	1:46:B:LEU:HD13	1:45:B:PHE:HA	20	1.48	0.22	1.57
(1,3430)	1:46:B:LEU:HD11	1:45:B:PHE:HA	20	1.48	0.22	1.57
(1,3430)	1:46:B:LEU:HD12	1:48:B:LYS:HA	20	1.48	0.22	1.57
(1,3430)	1:46:B:LEU:HD11	1:48:B:LYS:HA	20	1.48	0.22	1.57
(1,3429)	1:46:A:LEU:HD13	1:48:A:LYS:HA	20	1.48	0.22	1.57
(1,3429)	1:46:A:LEU:HD12	1:45:A:PHE:HA	20	1.48	0.22	1.57
(1,3429)	1:46:A:LEU:HD13	1:45:A:PHE:HA	20	1.48	0.22	1.57
(1,3429)	1:46:A:LEU:HD11	1:45:A:PHE:HA	20	1.48	0.22	1.57
(1,3429)	1:46:A:LEU:HD12	1:48:A:LYS:HA	20	1.48	0.22	1.57
(1,3429)	1:46:A:LEU:HD11	1:48:A:LYS:HA	20	1.48	0.22	1.57
(2,18)	1:66:B:ARG:HB2	1:63:B:ASP:HB2	20	1.46	0.13	1.46
(2,17)	1:66:A:ARG:HB2	1:63:A:ASP:HB2	20	1.46	0.13	1.45
(1,4180)	1:60:B:SER:HB3	1:70:B:VAL:HG21	20	1.43	0.4	1.3
(1,4180)	1:60:B:SER:HB3	1:58:B:LEU:HD13	20	1.43	0.4	1.3
(1,4180)	1:60:B:SER:HB3	1:70:B:VAL:HG23	20	1.43	0.4	1.3
(1,4180)	1:60:B:SER:HB3	1:58:B:LEU:HD11	20	1.43	0.4	1.3
(1,4180)	1:60:B:SER:HB2	1:58:B:LEU:HD12	20	1.43	0.4	1.3
(1,4180)	1:34:B:LEU:HD23	1:60:B:SER:HB3	20	1.43	0.4	1.3
(1,4180)	1:34:B:LEU:HD22	1:60:B:SER:HB3	20	1.43	0.4	1.3
(1,4180)	1:60:B:SER:HB2	1:58:B:LEU:HD13	20	1.43	0.4	1.3
(1,4180)	1:60:B:SER:HB3	1:70:B:VAL:HG22	20	1.43	0.4	1.3
(1,4180)	1:34:B:LEU:HD21	1:60:B:SER:HB3	20	1.43	0.4	1.3
(1,4179)	1:60:A:SER:HB3	1:70:A:VAL:HG21	20	1.43	0.4	1.3
(1,4179)	1:60:A:SER:HB3	1:58:A:LEU:HD13	20	1.43	0.4	1.3
(1,4179)	1:60:A:SER:HB3	1:70:A:VAL:HG23	20	1.43	0.4	1.3
(1,4179)	1:60:A:SER:HB3	1:58:A:LEU:HD11	20	1.43	0.4	1.3
(1,4179)	1:60:A:SER:HB2	1:58:A:LEU:HD12	20	1.43	0.4	1.3
(1,4179)	1:34:A:LEU:HD23	1:60:A:SER:HB3	20	1.43	0.4	1.3
(1,4179)	1:34:A:LEU:HD22	1:60:A:SER:HB3	20	1.43	0.4	1.3
(1,4179)	1:60:A:SER:HB2	1:58:A:LEU:HD13	20	1.43	0.4	1.3
(1,4179)	1:60:A:SER:HB3	1:70:A:VAL:HG22	20	1.43	0.4	1.3
(1,4179)	1:34:A:LEU:HD21	1:60:A:SER:HB3	20	1.43	0.4	1.3
(1,4278)	1:75:B:TYR:H	1:34:B:LEU:HD12	20	1.37	0.18	1.36
(1,4278)	1:75:B:TYR:H	1:34:B:LEU:HD11	20	1.37	0.18	1.36
(1,4278)	1:75:B:TYR:H	1:34:B:LEU:HD13	20	1.37	0.18	1.36
(1,4278)	1:75:B:TYR:H	1:37:B:LEU:HD13	20	1.37	0.18	1.36
(1,4277)	1:75:A:TYR:H	1:34:A:LEU:HD12	20	1.37	0.18	1.36
(1,4277)	1:75:A:TYR:H	1:34:A:LEU:HD11	20	1.37	0.18	1.36

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4277)	1:75:A:TYR:H	1:34:A:LEU:HD13	20	1.37	0.18	1.36
(1,4277)	1:75:A:TYR:H	1:37:A:LEU:HD13	20	1.37	0.18	1.36
(1,4195)	1:77:A:VAL:HA	1:79:A:LEU:HD12	20	1.35	0.17	1.38
(1,4195)	1:77:A:VAL:HA	1:79:A:LEU:HD13	20	1.35	0.17	1.38
(1,4195)	1:77:A:VAL:HA	1:79:A:LEU:HD22	20	1.35	0.17	1.38
(1,4195)	1:77:A:VAL:HA	1:79:A:LEU:HD11	20	1.35	0.17	1.38
(1,4195)	1:77:A:VAL:HA	1:79:A:LEU:HD21	20	1.35	0.17	1.38
(1,4196)	1:77:B:VAL:HA	1:79:B:LEU:HD12	20	1.35	0.17	1.38
(1,4196)	1:77:B:VAL:HA	1:79:B:LEU:HD13	20	1.35	0.17	1.38
(1,4196)	1:77:B:VAL:HA	1:79:B:LEU:HD22	20	1.35	0.17	1.38
(1,4196)	1:77:B:VAL:HA	1:79:B:LEU:HD11	20	1.35	0.17	1.38
(1,4196)	1:77:B:VAL:HA	1:79:B:LEU:HD21	20	1.35	0.17	1.38
(1,2205)	1:77:A:VAL:H	1:82:A:ILE:HD11	20	1.35	0.03	1.35
(1,2205)	1:77:A:VAL:H	1:82:A:ILE:HD12	20	1.35	0.03	1.35
(1,2205)	1:77:A:VAL:H	1:82:A:ILE:HD13	20	1.35	0.03	1.35
(1,2206)	1:77:B:VAL:H	1:82:B:ILE:HD11	20	1.35	0.03	1.35
(1,2206)	1:77:B:VAL:H	1:82:B:ILE:HD12	20	1.35	0.03	1.35
(1,2206)	1:77:B:VAL:H	1:82:B:ILE:HD13	20	1.35	0.03	1.35
(2,94)	1:61:B:ASN:HA	1:63:B:ASP:HB2	20	1.35	0.08	1.37
(2,93)	1:61:A:ASN:HA	1:63:A:ASP:HB2	20	1.34	0.08	1.37
(1,3525)	1:38:A:LEU:HD23	1:19:A:TYR:HB2	20	1.33	0.09	1.31
(1,3525)	1:38:A:LEU:HD21	1:19:A:TYR:HB2	20	1.33	0.09	1.31
(1,3525)	1:38:A:LEU:HD22	1:19:A:TYR:HB2	20	1.33	0.09	1.31
(1,3526)	1:38:B:LEU:HD23	1:19:B:TYR:HB2	20	1.33	0.09	1.31
(1,3526)	1:38:B:LEU:HD21	1:19:B:TYR:HB2	20	1.33	0.09	1.31
(1,3526)	1:38:B:LEU:HD22	1:19:B:TYR:HB2	20	1.33	0.09	1.31
(1,3913)	1:40:A:ARG:HD2	1:37:A:LEU:HD23	20	1.31	0.36	1.44
(1,3913)	1:40:A:ARG:HD3	1:37:A:LEU:HD22	20	1.31	0.36	1.44
(1,3913)	1:40:A:ARG:HD2	1:37:A:LEU:HD21	20	1.31	0.36	1.44
(1,3913)	1:40:A:ARG:HD2	1:37:A:LEU:HD22	20	1.31	0.36	1.44
(1,3913)	1:40:A:ARG:HD2	1:37:A:LEU:HD13	20	1.31	0.36	1.44
(1,3913)	1:40:A:ARG:HD3	1:37:A:LEU:HD21	20	1.31	0.36	1.44
(1,3913)	1:40:A:ARG:HD3	1:37:A:LEU:HD23	20	1.31	0.36	1.44
(1,3913)	1:40:A:ARG:HD3	1:37:A:LEU:HD13	20	1.31	0.36	1.44
(1,3914)	1:40:B:ARG:HD2	1:37:B:LEU:HD23	20	1.31	0.36	1.44
(1,3914)	1:40:B:ARG:HD3	1:37:B:LEU:HD22	20	1.31	0.36	1.44
(1,3914)	1:40:B:ARG:HD2	1:37:B:LEU:HD21	20	1.31	0.36	1.44
(1,3914)	1:40:B:ARG:HD2	1:37:B:LEU:HD22	20	1.31	0.36	1.44
(1,3914)	1:40:B:ARG:HD2	1:37:B:LEU:HD13	20	1.31	0.36	1.44
(1,3914)	1:40:B:ARG:HD3	1:37:B:LEU:HD21	20	1.31	0.36	1.44
(1,3914)	1:40:B:ARG:HD3	1:37:B:LEU:HD23	20	1.31	0.36	1.44
(1,3914)	1:40:B:ARG:HD3	1:37:B:LEU:HD13	20	1.31	0.36	1.44

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1455)	1:29:A:LEU:HB3	1:70:A:VAL:HG11	20	1.31	0.13	1.3
(1,1455)	1:29:A:LEU:HB3	1:70:A:VAL:HG13	20	1.31	0.13	1.3
(1,1455)	1:29:A:LEU:HB3	1:70:A:VAL:HG12	20	1.31	0.13	1.3
(1,1456)	1:29:B:LEU:HB3	1:70:B:VAL:HG11	20	1.31	0.13	1.3
(1,1456)	1:29:B:LEU:HB3	1:70:B:VAL:HG13	20	1.31	0.13	1.3
(1,1456)	1:29:B:LEU:HB3	1:70:B:VAL:HG12	20	1.31	0.13	1.3
(1,4550)	1:60:B:SER:H	1:34:B:LEU:HD21	20	1.3	0.13	1.33
(1,4550)	1:60:B:SER:H	1:34:B:LEU:HD22	20	1.3	0.13	1.33
(1,4550)	1:60:B:SER:H	1:34:B:LEU:HD23	20	1.3	0.13	1.33
(1,4549)	1:60:A:SER:H	1:34:A:LEU:HD21	20	1.3	0.13	1.33
(1,4549)	1:60:A:SER:H	1:34:A:LEU:HD22	20	1.3	0.13	1.33
(1,4549)	1:60:A:SER:H	1:34:A:LEU:HD23	20	1.3	0.13	1.33
(1,4535)	1:41:A:GLU:H	1:79:A:LEU:HD23	20	1.29	0.17	1.35
(1,4535)	1:41:A:GLU:H	1:79:A:LEU:HD21	20	1.29	0.17	1.35
(1,4535)	1:41:A:GLU:H	1:79:A:LEU:HD22	20	1.29	0.17	1.35
(1,4536)	1:41:B:GLU:H	1:79:B:LEU:HD23	20	1.29	0.17	1.35
(1,4536)	1:41:B:GLU:H	1:79:B:LEU:HD21	20	1.29	0.17	1.35
(1,4536)	1:41:B:GLU:H	1:79:B:LEU:HD22	20	1.29	0.17	1.35
(1,3627)	1:59:A:MET:HB3	1:55:A:PHE:HB3	20	1.29	0.65	0.94
(1,3628)	1:59:B:MET:HB3	1:55:B:PHE:HB3	20	1.29	0.65	0.94
(1,3893)	1:79:A:LEU:HD23	1:37:A:LEU:HB3	20	1.27	0.2	1.23
(1,3893)	1:79:A:LEU:HD21	1:37:A:LEU:HB3	20	1.27	0.2	1.23
(1,3893)	1:79:A:LEU:HD22	1:37:A:LEU:HB3	20	1.27	0.2	1.23
(1,3894)	1:79:B:LEU:HD23	1:37:B:LEU:HB3	20	1.27	0.2	1.24
(1,3894)	1:79:B:LEU:HD21	1:37:B:LEU:HB3	20	1.27	0.2	1.24
(1,3894)	1:79:B:LEU:HD22	1:37:B:LEU:HB3	20	1.27	0.2	1.24
(1,3523)	1:38:A:LEU:HD22	1:55:A:PHE:HB3	20	1.25	0.31	1.35
(1,3523)	1:38:A:LEU:HD21	1:45:A:PHE:HB3	20	1.25	0.31	1.35
(1,3523)	1:38:A:LEU:HD22	1:45:A:PHE:HB3	20	1.25	0.31	1.35
(1,3523)	1:38:A:LEU:HD23	1:55:A:PHE:HB3	20	1.25	0.31	1.35
(1,3523)	1:38:A:LEU:HD21	1:45:A:PHE:HB2	20	1.25	0.31	1.35
(1,3523)	1:38:A:LEU:HD21	1:55:A:PHE:HB3	20	1.25	0.31	1.35
(1,4436)	1:38:B:LEU:H	1:41:B:GLU:HG3	20	1.25	0.15	1.25
(1,3524)	1:38:B:LEU:HD22	1:55:B:PHE:HB3	20	1.25	0.31	1.35
(1,3524)	1:38:B:LEU:HD21	1:45:B:PHE:HB3	20	1.25	0.31	1.35
(1,3524)	1:38:B:LEU:HD22	1:45:B:PHE:HB3	20	1.25	0.31	1.35
(1,3524)	1:38:B:LEU:HD23	1:55:B:PHE:HB3	20	1.25	0.31	1.35
(1,3524)	1:38:B:LEU:HD21	1:45:B:PHE:HB2	20	1.25	0.31	1.35
(1,3524)	1:38:B:LEU:HD21	1:55:B:PHE:HB3	20	1.25	0.31	1.35
(1,4435)	1:38:A:LEU:H	1:41:A:GLU:HG3	20	1.25	0.15	1.25
(1,4137)	1:31:A:LYS:HA	1:29:A:LEU:HD13	20	1.25	0.11	1.23
(1,4137)	1:31:A:LYS:HA	1:29:A:LEU:HD11	20	1.25	0.11	1.23

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4137)	1:31:A:LYS:HA	1:29:A:LEU:HD12	20	1.25	0.11	1.23
(1,4138)	1:31:B:LYS:HA	1:29:B:LEU:HD13	20	1.25	0.11	1.23
(1,4138)	1:31:B:LYS:HA	1:29:B:LEU:HD11	20	1.25	0.11	1.23
(1,4138)	1:31:B:LYS:HA	1:29:B:LEU:HD12	20	1.25	0.11	1.23
(1,3809)	1:75:A:TYR:HB2	1:37:A:LEU:HD13	20	1.25	0.12	1.27
(1,3809)	1:75:A:TYR:HB2	1:70:A:VAL:HG23	20	1.25	0.12	1.27
(1,3809)	1:75:A:TYR:HB2	1:70:A:VAL:HG21	20	1.25	0.12	1.27
(1,3809)	1:75:A:TYR:HB2	1:37:A:LEU:HD12	20	1.25	0.12	1.27
(1,3809)	1:75:A:TYR:HB2	1:70:A:VAL:HG22	20	1.25	0.12	1.27
(1,3810)	1:75:B:TYR:HB2	1:37:B:LEU:HD13	20	1.24	0.12	1.27
(1,3810)	1:75:B:TYR:HB2	1:70:B:VAL:HG23	20	1.24	0.12	1.27
(1,3810)	1:75:B:TYR:HB2	1:70:B:VAL:HG21	20	1.24	0.12	1.27
(1,3810)	1:75:B:TYR:HB2	1:37:B:LEU:HD12	20	1.24	0.12	1.27
(1,3810)	1:75:B:TYR:HB2	1:70:B:VAL:HG22	20	1.24	0.12	1.27
(1,162)	1:13:B:VAL:HG12	1:82:A:ILE:HG21	20	1.24	0.08	1.26
(1,162)	1:13:B:VAL:HG12	1:82:A:ILE:HG22	20	1.24	0.08	1.26
(1,162)	1:13:B:VAL:HG13	1:82:A:ILE:HG22	20	1.24	0.08	1.26
(1,162)	1:13:B:VAL:HG13	1:82:A:ILE:HG21	20	1.24	0.08	1.26
(1,162)	1:13:B:VAL:HG11	1:82:A:ILE:HG22	20	1.24	0.08	1.26
(1,162)	1:13:B:VAL:HG11	1:82:A:ILE:HG21	20	1.24	0.08	1.26
(1,162)	1:13:B:VAL:HG12	1:82:A:ILE:HG23	20	1.24	0.08	1.26
(1,162)	1:13:B:VAL:HG11	1:82:A:ILE:HG23	20	1.24	0.08	1.26
(1,162)	1:13:B:VAL:HG13	1:82:A:ILE:HG23	20	1.24	0.08	1.26
(1,4620)	1:56:B:GLN:HE22	1:34:B:LEU:HD22	20	1.24	0.45	1.17
(1,4620)	1:56:B:GLN:HE22	1:34:B:LEU:HD23	20	1.24	0.45	1.17
(1,4620)	1:56:B:GLN:HE22	1:34:B:LEU:HD21	20	1.24	0.45	1.17
(1,4619)	1:56:A:GLN:HE22	1:34:A:LEU:HD22	20	1.24	0.45	1.16
(1,4619)	1:56:A:GLN:HE22	1:34:A:LEU:HD23	20	1.24	0.45	1.16
(1,4619)	1:56:A:GLN:HE22	1:34:A:LEU:HD21	20	1.24	0.45	1.16
(1,161)	1:13:A:VAL:HG12	1:82:B:ILE:HG21	20	1.24	0.08	1.26
(1,161)	1:13:A:VAL:HG12	1:82:B:ILE:HG22	20	1.24	0.08	1.26
(1,161)	1:13:A:VAL:HG13	1:82:B:ILE:HG22	20	1.24	0.08	1.26
(1,161)	1:13:A:VAL:HG13	1:82:B:ILE:HG21	20	1.24	0.08	1.26
(1,161)	1:13:A:VAL:HG11	1:82:B:ILE:HG22	20	1.24	0.08	1.26
(1,161)	1:13:A:VAL:HG11	1:82:B:ILE:HG21	20	1.24	0.08	1.26
(1,161)	1:13:A:VAL:HG12	1:82:B:ILE:HG23	20	1.24	0.08	1.26
(1,161)	1:13:A:VAL:HG11	1:82:B:ILE:HG23	20	1.24	0.08	1.26
(1,161)	1:13:A:VAL:HG13	1:82:B:ILE:HG23	20	1.24	0.08	1.26
(1,3798)	1:16:B:PHE:HB2	1:37:B:LEU:HB3	20	1.22	0.28	1.25
(1,3798)	1:16:B:PHE:HB2	1:83:A:ALA:HB1	20	1.22	0.28	1.25
(1,3798)	1:16:B:PHE:HB2	1:83:A:ALA:HB2	20	1.22	0.28	1.25
(1,3798)	1:16:B:PHE:HB2	1:83:A:ALA:HB3	20	1.22	0.28	1.25

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3797)	1:16:A:PHE:HB2	1:37:A:LEU:HB3	20	1.22	0.28	1.25
(1,3797)	1:16:A:PHE:HB2	1:83:B:ALA:HB1	20	1.22	0.28	1.25
(1,3797)	1:16:A:PHE:HB2	1:83:B:ALA:HB2	20	1.22	0.28	1.25
(1,3797)	1:16:A:PHE:HB2	1:83:B:ALA:HB3	20	1.22	0.28	1.25
(1,4382)	1:10:B:ASP:H	1:79:A:LEU:HD22	20	1.2	0.14	1.2
(1,4382)	1:10:B:ASP:H	1:79:A:LEU:HD11	20	1.2	0.14	1.2
(1,4382)	1:10:B:ASP:H	1:79:A:LEU:HD23	20	1.2	0.14	1.2
(1,4382)	1:10:B:ASP:H	1:79:A:LEU:HD13	20	1.2	0.14	1.2
(1,4382)	1:10:B:ASP:H	1:79:A:LEU:HD12	20	1.2	0.14	1.2
(1,4382)	1:10:B:ASP:H	1:79:A:LEU:HD21	20	1.2	0.14	1.2
(1,4381)	1:10:A:ASP:H	1:79:B:LEU:HD22	20	1.2	0.14	1.2
(1,4381)	1:10:A:ASP:H	1:79:B:LEU:HD11	20	1.2	0.14	1.2
(1,4381)	1:10:A:ASP:H	1:79:B:LEU:HD23	20	1.2	0.14	1.2
(1,4381)	1:10:A:ASP:H	1:79:B:LEU:HD13	20	1.2	0.14	1.2
(1,4381)	1:10:A:ASP:H	1:79:B:LEU:HD12	20	1.2	0.14	1.2
(1,4381)	1:10:A:ASP:H	1:79:B:LEU:HD21	20	1.2	0.14	1.2
(1,4075)	1:37:A:LEU:HD23	1:40:A:ARG:HA	20	1.2	0.2	1.27
(1,4075)	1:37:A:LEU:HD22	1:40:A:ARG:HA	20	1.2	0.2	1.27
(1,4075)	1:37:A:LEU:HD21	1:40:A:ARG:HA	20	1.2	0.2	1.27
(1,4076)	1:37:B:LEU:HD23	1:40:B:ARG:HA	20	1.2	0.2	1.27
(1,4076)	1:37:B:LEU:HD22	1:40:B:ARG:HA	20	1.2	0.2	1.27
(1,4076)	1:37:B:LEU:HD21	1:40:B:ARG:HA	20	1.2	0.2	1.27
(1,3738)	1:33:B:GLU:HG3	1:29:B:LEU:HD13	20	1.19	0.21	1.16
(1,3738)	1:33:B:GLU:HG3	1:29:B:LEU:HD11	20	1.19	0.21	1.16
(1,3738)	1:33:B:GLU:HG3	1:29:B:LEU:HD12	20	1.19	0.21	1.16
(1,3738)	1:33:B:GLU:HG2	1:29:B:LEU:HD13	20	1.19	0.21	1.16
(1,3738)	1:33:B:GLU:HG2	1:29:B:LEU:HD12	20	1.19	0.21	1.16
(1,3738)	1:33:B:GLU:HG2	1:29:B:LEU:HD11	20	1.19	0.21	1.16
(1,3737)	1:33:A:GLU:HG3	1:29:A:LEU:HD13	20	1.19	0.21	1.16
(1,3737)	1:33:A:GLU:HG3	1:29:A:LEU:HD11	20	1.19	0.21	1.16
(1,3737)	1:33:A:GLU:HG3	1:29:A:LEU:HD12	20	1.19	0.21	1.16
(1,3737)	1:33:A:GLU:HG2	1:29:A:LEU:HD13	20	1.19	0.21	1.16
(1,3737)	1:33:A:GLU:HG2	1:29:A:LEU:HD12	20	1.19	0.21	1.16
(1,3737)	1:33:A:GLU:HG2	1:29:A:LEU:HD11	20	1.19	0.21	1.16
(1,1476)	1:42:B:LEU:HB3	1:39:B:THR:H	20	1.18	0.25	1.19
(1,4564)	1:73:B:GLN:HE22	1:96:A:LYS:HD2	20	1.18	0.28	1.14
(1,4564)	1:73:B:GLN:HE22	1:96:A:LYS:HD3	20	1.18	0.28	1.14
(1,1475)	1:42:A:LEU:HB3	1:39:A:THR:H	20	1.18	0.25	1.18
(1,4563)	1:73:A:GLN:HE22	1:96:B:LYS:HD2	20	1.18	0.28	1.14
(1,4563)	1:73:A:GLN:HE22	1:96:B:LYS:HD3	20	1.18	0.28	1.14
(1,2242)	1:33:B:GLU:H	1:29:B:LEU:HB2	20	1.17	0.13	1.17
(1,2241)	1:33:A:GLU:H	1:29:A:LEU:HB2	20	1.17	0.14	1.17

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3676)	1:59:B:MET:HG2	1:31:B:LYS:HB3	20	1.16	0.36	1.28
(1,3676)	1:59:B:MET:HG2	1:31:B:LYS:HB2	20	1.16	0.36	1.28
(1,3675)	1:59:A:MET:HG2	1:31:A:LYS:HB3	20	1.16	0.36	1.27
(1,3675)	1:59:A:MET:HG2	1:31:A:LYS:HB2	20	1.16	0.36	1.27
(1,1524)	1:47:B:GLY:HA3	1:48:B:LYS:HB3	20	1.15	0.27	1.35
(1,1523)	1:47:A:GLY:HA3	1:48:A:LYS:HB3	20	1.15	0.27	1.34
(1,4150)	1:76:B:SER:HB2	1:82:A:ILE:HB	20	1.14	0.48	1.13
(1,4150)	1:76:B:SER:HB3	1:82:A:ILE:HB	20	1.14	0.48	1.13
(1,4150)	1:76:B:SER:HB3	1:96:A:LYS:HD3	20	1.14	0.48	1.13
(1,4150)	1:76:B:SER:HB2	1:96:A:LYS:HD2	20	1.14	0.48	1.13
(1,4149)	1:76:A:SER:HB2	1:82:B:ILE:HB	20	1.14	0.48	1.12
(1,4149)	1:76:A:SER:HB3	1:82:B:ILE:HB	20	1.14	0.48	1.12
(1,4149)	1:76:A:SER:HB3	1:96:B:LYS:HD3	20	1.14	0.48	1.12
(1,4149)	1:76:A:SER:HB2	1:96:B:LYS:HD2	20	1.14	0.48	1.12
(1,3470)	1:48:B:LYS:HG2	1:46:B:LEU:HD23	20	1.12	0.36	1.16
(1,3470)	1:48:B:LYS:HG2	1:46:B:LEU:HD21	20	1.12	0.36	1.16
(1,3470)	1:48:B:LYS:HG3	1:46:B:LEU:HD22	20	1.12	0.36	1.16
(1,3470)	1:48:B:LYS:HG2	1:46:B:LEU:HD22	20	1.12	0.36	1.16
(1,3470)	1:48:B:LYS:HG3	1:46:B:LEU:HD23	20	1.12	0.36	1.16
(1,3470)	1:57:B:LYS:HG2	1:46:B:LEU:HD21	20	1.12	0.36	1.16
(1,3469)	1:48:A:LYS:HG2	1:46:A:LEU:HD23	20	1.12	0.36	1.15
(1,3469)	1:48:A:LYS:HG2	1:46:A:LEU:HD21	20	1.12	0.36	1.15
(1,3469)	1:48:A:LYS:HG3	1:46:A:LEU:HD22	20	1.12	0.36	1.15
(1,3469)	1:48:A:LYS:HG2	1:46:A:LEU:HD22	20	1.12	0.36	1.15
(1,3469)	1:48:A:LYS:HG3	1:46:A:LEU:HD23	20	1.12	0.36	1.15
(1,3469)	1:57:A:LYS:HG2	1:46:A:LEU:HD21	20	1.12	0.36	1.15
(1,4606)	1:73:B:GLN:H	1:29:B:LEU:HD11	20	1.1	0.26	1.1
(1,4606)	1:73:B:GLN:H	1:29:B:LEU:HD12	20	1.1	0.26	1.1
(1,4606)	1:73:B:GLN:H	1:29:B:LEU:HD13	20	1.1	0.26	1.1
(1,4605)	1:73:A:GLN:H	1:29:A:LEU:HD11	20	1.1	0.26	1.1
(1,4605)	1:73:A:GLN:H	1:29:A:LEU:HD12	20	1.1	0.26	1.1
(1,4605)	1:73:A:GLN:H	1:29:A:LEU:HD13	20	1.1	0.26	1.1
(1,4326)	1:42:B:LEU:H	1:79:B:LEU:HD23	20	1.1	0.17	1.08
(1,4326)	1:42:B:LEU:H	1:79:B:LEU:HD21	20	1.1	0.17	1.08
(1,4326)	1:42:B:LEU:H	1:79:B:LEU:HD22	20	1.1	0.17	1.08
(1,4325)	1:42:A:LEU:H	1:79:A:LEU:HD23	20	1.1	0.17	1.08
(1,4325)	1:42:A:LEU:H	1:79:A:LEU:HD21	20	1.1	0.17	1.08
(1,4325)	1:42:A:LEU:H	1:79:A:LEU:HD22	20	1.1	0.17	1.08
(1,2555)	1:27:A:PHE:H	1:21:A:GLY:HA3	20	1.09	0.27	1.14
(1,2556)	1:27:B:PHE:H	1:21:B:GLY:HA3	20	1.09	0.27	1.14
(1,1747)	1:88:A:GLU:HB3	1:85:A:MET:HA	20	1.09	0.32	1.02
(1,2962)	1:28:B:LYS:H	1:29:B:LEU:HD11	20	1.09	0.07	1.08

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2962)	1:28:B:LYS:H	1:29:B:LEU:HD12	20	1.09	0.07	1.08
(1,2962)	1:28:B:LYS:H	1:29:B:LEU:HD13	20	1.09	0.07	1.08
(1,2961)	1:28:A:LYS:H	1:29:A:LEU:HD11	20	1.09	0.07	1.08
(1,2961)	1:28:A:LYS:H	1:29:A:LEU:HD12	20	1.09	0.07	1.08
(1,2961)	1:28:A:LYS:H	1:29:A:LEU:HD13	20	1.09	0.07	1.08
(1,1748)	1:88:B:GLU:HB3	1:85:B:MET:HA	20	1.09	0.32	1.02
(1,1)	1:96:A:LYS:HD2	1:75:B:TYR:HB3	20	1.08	0.2	1.08
(1,1)	1:96:A:LYS:HD3	1:75:B:TYR:HB3	20	1.08	0.2	1.08
(1,1)	1:96:A:LYS:HD2	1:75:B:TYR:HB2	20	1.08	0.2	1.08
(1,4394)	1:7:B:LYS:H	1:79:A:LEU:HD22	20	1.08	0.2	1.08
(1,4394)	1:7:B:LYS:H	1:79:A:LEU:HD11	20	1.08	0.2	1.08
(1,4394)	1:7:B:LYS:H	1:79:A:LEU:HD23	20	1.08	0.2	1.08
(1,4394)	1:7:B:LYS:H	1:79:A:LEU:HD21	20	1.08	0.2	1.08
(1,4394)	1:7:B:LYS:H	1:79:A:LEU:HD12	20	1.08	0.2	1.08
(1,4394)	1:7:B:LYS:H	1:79:A:LEU:HD13	20	1.08	0.2	1.08
(1,4393)	1:7:A:LYS:H	1:79:B:LEU:HD22	20	1.08	0.2	1.09
(1,4393)	1:7:A:LYS:H	1:79:B:LEU:HD11	20	1.08	0.2	1.09
(1,4393)	1:7:A:LYS:H	1:79:B:LEU:HD23	20	1.08	0.2	1.09
(1,4393)	1:7:A:LYS:H	1:79:B:LEU:HD21	20	1.08	0.2	1.09
(1,4393)	1:7:A:LYS:H	1:79:B:LEU:HD12	20	1.08	0.2	1.09
(1,4393)	1:7:A:LYS:H	1:79:B:LEU:HD13	20	1.08	0.2	1.09
(1,2)	1:96:B:LYS:HD2	1:75:A:TYR:HB3	20	1.07	0.2	1.08
(1,2)	1:96:B:LYS:HD3	1:75:A:TYR:HB3	20	1.07	0.2	1.08
(1,2)	1:96:B:LYS:HD2	1:75:A:TYR:HB2	20	1.07	0.2	1.08
(1,3600)	1:31:B:LYS:HD2	1:32:B:SER:HB2	20	1.07	0.56	1.18
(1,3600)	1:31:B:LYS:HD3	1:32:B:SER:HB2	20	1.07	0.56	1.18
(1,3600)	1:31:B:LYS:HD3	1:60:B:SER:HB3	20	1.07	0.56	1.18
(1,3600)	1:31:B:LYS:HD3	1:60:B:SER:HB2	20	1.07	0.56	1.18
(1,3599)	1:31:A:LYS:HD2	1:32:A:SER:HB2	20	1.07	0.57	1.17
(1,3599)	1:31:A:LYS:HD3	1:32:A:SER:HB2	20	1.07	0.57	1.17
(1,3599)	1:31:A:LYS:HD3	1:60:A:SER:HB3	20	1.07	0.57	1.17
(1,3599)	1:31:A:LYS:HD3	1:60:A:SER:HB2	20	1.07	0.57	1.17
(1,3732)	1:69:B:GLU:HB3	1:29:B:LEU:HD11	20	1.06	0.19	1.08
(1,3732)	1:69:B:GLU:HB3	1:29:B:LEU:HD12	20	1.06	0.19	1.08
(1,3732)	1:69:B:GLU:HB3	1:29:B:LEU:HD13	20	1.06	0.19	1.08
(1,3439)	1:58:A:LEU:HD11	1:59:A:MET:HB3	20	1.06	0.15	1.11
(1,3439)	1:58:A:LEU:HD13	1:59:A:MET:HB3	20	1.06	0.15	1.11
(1,3439)	1:58:A:LEU:HD12	1:38:A:LEU:HB3	20	1.06	0.15	1.11
(1,3439)	1:58:A:LEU:HD12	1:59:A:MET:HB3	20	1.06	0.15	1.11
(1,3439)	1:58:A:LEU:HD11	1:38:A:LEU:HB3	20	1.06	0.15	1.11
(1,3439)	1:58:A:LEU:HD13	1:38:A:LEU:HB3	20	1.06	0.15	1.11
(1,3441)	1:58:A:LEU:HD11	1:59:A:MET:HB3	20	1.06	0.15	1.11

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3441)	1:58:A:LEU:HD13	1:59:A:MET:HB3	20	1.06	0.15	1.11
(1,3441)	1:58:A:LEU:HD12	1:38:A:LEU:HB3	20	1.06	0.15	1.11
(1,3441)	1:58:A:LEU:HD12	1:59:A:MET:HB3	20	1.06	0.15	1.11
(1,3441)	1:58:A:LEU:HD11	1:38:A:LEU:HB3	20	1.06	0.15	1.11
(1,3441)	1:58:A:LEU:HD13	1:38:A:LEU:HB3	20	1.06	0.15	1.11
(1,3731)	1:69:A:GLU:HB3	1:29:A:LEU:HD11	20	1.06	0.19	1.08
(1,3731)	1:69:A:GLU:HB3	1:29:A:LEU:HD12	20	1.06	0.19	1.08
(1,3731)	1:69:A:GLU:HB3	1:29:A:LEU:HD13	20	1.06	0.19	1.08
(1,3440)	1:58:B:LEU:HD11	1:59:B:MET:HB3	20	1.06	0.15	1.11
(1,3440)	1:58:B:LEU:HD13	1:59:B:MET:HB3	20	1.06	0.15	1.11
(1,3440)	1:58:B:LEU:HD12	1:38:B:LEU:HB3	20	1.06	0.15	1.11
(1,3440)	1:58:B:LEU:HD12	1:59:B:MET:HB3	20	1.06	0.15	1.11
(1,3440)	1:58:B:LEU:HD11	1:38:B:LEU:HB3	20	1.06	0.15	1.11
(1,3440)	1:58:B:LEU:HD13	1:38:B:LEU:HB3	20	1.06	0.15	1.11
(1,3442)	1:58:B:LEU:HD11	1:59:B:MET:HB3	20	1.06	0.15	1.11
(1,3442)	1:58:B:LEU:HD13	1:59:B:MET:HB3	20	1.06	0.15	1.11
(1,3442)	1:58:B:LEU:HD12	1:38:B:LEU:HB3	20	1.06	0.15	1.11
(1,3442)	1:58:B:LEU:HD12	1:59:B:MET:HB3	20	1.06	0.15	1.11
(1,3442)	1:58:B:LEU:HD11	1:38:B:LEU:HB3	20	1.06	0.15	1.11
(1,3442)	1:58:B:LEU:HD13	1:38:B:LEU:HB3	20	1.06	0.15	1.11
(1,3483)	1:34:A:LEU:HD22	1:38:A:LEU:H	20	1.05	0.17	1.05
(1,3483)	1:34:A:LEU:HD23	1:38:A:LEU:H	20	1.05	0.17	1.05
(1,3483)	1:34:A:LEU:HD21	1:38:A:LEU:H	20	1.05	0.17	1.05
(1,3484)	1:34:B:LEU:HD22	1:38:B:LEU:H	20	1.05	0.17	1.06
(1,3484)	1:34:B:LEU:HD23	1:38:B:LEU:H	20	1.05	0.17	1.06
(1,3484)	1:34:B:LEU:HD21	1:38:B:LEU:H	20	1.05	0.17	1.06
(1,3910)	1:62:B:LEU:HB2	1:61:B:ASN:HB3	20	1.05	0.24	1.12
(1,3910)	1:62:B:LEU:HB2	1:75:B:TYR:HB2	20	1.05	0.24	1.12
(1,3909)	1:62:A:LEU:HB2	1:61:A:ASN:HB3	20	1.05	0.24	1.12
(1,3909)	1:62:A:LEU:HB2	1:75:A:TYR:HB2	20	1.05	0.24	1.12
(1,3690)	1:56:B:GLN:HG3	1:55:B:PHE:HA	20	1.03	0.1	1.05
(1,3690)	1:73:B:GLN:HG2	1:80:A:SER:HA	20	1.03	0.1	1.05
(1,3690)	1:56:B:GLN:HG2	1:55:B:PHE:HA	20	1.03	0.1	1.05
(1,3690)	1:73:B:GLN:HG2	1:81:A:SER:HB3	20	1.03	0.1	1.05
(1,3689)	1:56:A:GLN:HG3	1:55:A:PHE:HA	20	1.03	0.1	1.04
(1,3689)	1:73:A:GLN:HG2	1:80:B:SER:HA	20	1.03	0.1	1.04
(1,3689)	1:56:A:GLN:HG2	1:55:A:PHE:HA	20	1.03	0.1	1.04
(1,3689)	1:73:A:GLN:HG2	1:81:B:SER:HB3	20	1.03	0.1	1.04
(2,35)	1:33:A:GLU:HB3	1:31:A:LYS:HA	20	1.02	0.19	1.0
(2,36)	1:33:B:GLU:HB3	1:31:B:LYS:HA	20	1.02	0.19	1.0
(1,3549)	1:37:A:LEU:HD12	1:18:A:LYS:HB3	20	1.01	0.32	0.9
(1,3549)	1:37:A:LEU:HD13	1:18:A:LYS:HB3	20	1.01	0.32	0.9

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3549)	1:37:A:LEU:HD11	1:18:A:LYS:HB3	20	1.01	0.32	0.9
(1,3550)	1:37:B:LEU:HD12	1:18:B:LYS:HB3	20	1.01	0.32	0.89
(1,3550)	1:37:B:LEU:HD13	1:18:B:LYS:HB3	20	1.01	0.32	0.89
(1,3550)	1:37:B:LEU:HD11	1:18:B:LYS:HB3	20	1.01	0.32	0.89
(1,4338)	1:13:B:VAL:H	1:13:B:VAL:HG13	20	1.01	0.02	1.01
(1,4338)	1:13:B:VAL:H	1:13:B:VAL:HG11	20	1.01	0.02	1.01
(1,4338)	1:13:B:VAL:H	1:13:B:VAL:HG12	20	1.01	0.02	1.01
(1,3132)	1:73:B:GLN:HE22	1:62:B:LEU:HD23	20	1.01	0.27	1.04
(1,3132)	1:73:B:GLN:HE22	1:62:B:LEU:HD21	20	1.01	0.27	1.04
(1,3132)	1:73:B:GLN:HE22	1:62:B:LEU:HD22	20	1.01	0.27	1.04
(1,4337)	1:13:A:VAL:H	1:13:A:VAL:HG13	20	1.01	0.02	1.01
(1,4337)	1:13:A:VAL:H	1:13:A:VAL:HG11	20	1.01	0.02	1.01
(1,4337)	1:13:A:VAL:H	1:13:A:VAL:HG12	20	1.01	0.02	1.01
(1,3131)	1:73:A:GLN:HE22	1:62:A:LEU:HD23	20	1.01	0.27	1.04
(1,3131)	1:73:A:GLN:HE22	1:62:A:LEU:HD21	20	1.01	0.27	1.04
(1,3131)	1:73:A:GLN:HE22	1:62:A:LEU:HD22	20	1.01	0.27	1.04
(1,3820)	1:77:B:VAL:HG23	1:79:B:LEU:HB2	20	1.01	0.26	0.99
(1,3820)	1:79:B:LEU:HB2	1:79:A:LEU:HB2	20	1.01	0.26	0.99
(1,3820)	1:77:B:VAL:HG22	1:79:B:LEU:HB2	20	1.01	0.26	0.99
(1,3820)	1:77:B:VAL:HG21	1:79:B:LEU:HB2	20	1.01	0.26	0.99
(1,3819)	1:77:A:VAL:HG23	1:79:A:LEU:HB2	20	1.01	0.26	0.99
(1,3819)	1:79:A:LEU:HB2	1:79:B:LEU:HB2	20	1.01	0.26	0.99
(1,3819)	1:77:A:VAL:HG22	1:79:A:LEU:HB2	20	1.01	0.26	0.99
(1,3819)	1:77:A:VAL:HG21	1:79:A:LEU:HB2	20	1.01	0.26	0.99
(1,4369)	1:95:A:ASP:H	1:28:B:LYS:HE3	20	0.99	0.4	1.04
(1,4369)	1:95:A:ASP:H	1:27:B:PHE:HB2	20	0.99	0.4	1.04
(1,4369)	1:95:A:ASP:H	1:28:B:LYS:HE2	20	0.99	0.4	1.04
(1,4504)	1:28:B:LYS:H	1:69:B:GLU:HG2	20	0.99	0.16	0.95
(1,4504)	1:28:B:LYS:H	1:33:B:GLU:HB3	20	0.99	0.16	0.95
(1,4503)	1:28:A:LYS:H	1:69:A:GLU:HG2	20	0.99	0.16	0.96
(1,4503)	1:28:A:LYS:H	1:33:A:GLU:HB3	20	0.99	0.16	0.96
(1,3804)	1:16:B:PHE:HB2	1:70:B:VAL:HG11	20	0.99	0.38	0.98
(1,3804)	1:16:B:PHE:HB2	1:70:B:VAL:HG13	20	0.99	0.38	0.98
(1,3804)	1:16:B:PHE:HB2	1:79:B:LEU:HG	20	0.99	0.38	0.98
(1,3804)	1:16:B:PHE:HB2	1:70:B:VAL:HG12	20	0.99	0.38	0.98
(1,3803)	1:16:A:PHE:HB2	1:70:A:VAL:HG11	20	0.99	0.38	0.98
(1,3803)	1:16:A:PHE:HB2	1:70:A:VAL:HG13	20	0.99	0.38	0.98
(1,3803)	1:16:A:PHE:HB2	1:79:A:LEU:HG	20	0.99	0.38	0.98
(1,3803)	1:16:A:PHE:HB2	1:70:A:VAL:HG12	20	0.99	0.38	0.98
(1,4370)	1:95:B:ASP:H	1:28:A:LYS:HE3	20	0.99	0.4	1.02
(1,4370)	1:95:B:ASP:H	1:27:A:PHE:HB2	20	0.99	0.4	1.02
(1,4370)	1:95:B:ASP:H	1:28:A:LYS:HE2	20	0.99	0.4	1.02

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3544)	1:29:B:LEU:HD22	1:69:B:GLU:HA	20	0.97	0.16	1.0
(1,3544)	1:29:B:LEU:HD23	1:69:B:GLU:HA	20	0.97	0.16	1.0
(1,3544)	1:29:B:LEU:HD23	1:27:B:PHE:HA	20	0.97	0.16	1.0
(1,3544)	1:29:B:LEU:HD21	1:69:B:GLU:HA	20	0.97	0.16	1.0
(1,3544)	1:29:B:LEU:HD21	1:27:B:PHE:HA	20	0.97	0.16	1.0
(1,3544)	1:29:B:LEU:HD22	1:27:B:PHE:HA	20	0.97	0.16	1.0
(1,3543)	1:29:A:LEU:HD22	1:69:A:GLU:HA	20	0.97	0.16	1.0
(1,3543)	1:29:A:LEU:HD23	1:69:A:GLU:HA	20	0.97	0.16	1.0
(1,3543)	1:29:A:LEU:HD23	1:27:A:PHE:HA	20	0.97	0.16	1.0
(1,3543)	1:29:A:LEU:HD21	1:69:A:GLU:HA	20	0.97	0.16	1.0
(1,3543)	1:29:A:LEU:HD21	1:27:A:PHE:HA	20	0.97	0.16	1.0
(1,3543)	1:29:A:LEU:HD22	1:27:A:PHE:HA	20	0.97	0.16	1.0
(1,4399)	1:72:A:PHE:H	1:13:A:VAL:HG13	20	0.96	0.42	0.87
(1,4399)	1:72:A:PHE:H	1:13:A:VAL:HG11	20	0.96	0.42	0.87
(1,4399)	1:72:A:PHE:H	1:13:A:VAL:HG12	20	0.96	0.42	0.87
(1,4400)	1:72:B:PHE:H	1:13:B:VAL:HG13	20	0.96	0.42	0.87
(1,4400)	1:72:B:PHE:H	1:13:B:VAL:HG11	20	0.96	0.42	0.87
(1,4400)	1:72:B:PHE:H	1:13:B:VAL:HG12	20	0.96	0.42	0.87
(1,839)	1:59:A:MET:HB3	1:62:A:LEU:HD12	20	0.96	0.13	1.02
(1,839)	1:59:A:MET:HB3	1:62:A:LEU:HD13	20	0.96	0.13	1.02
(1,839)	1:59:A:MET:HB3	1:62:A:LEU:HD11	20	0.96	0.13	1.02
(1,840)	1:59:B:MET:HB3	1:62:B:LEU:HD12	20	0.96	0.13	1.02
(1,840)	1:59:B:MET:HB3	1:62:B:LEU:HD13	20	0.96	0.13	1.02
(1,840)	1:59:B:MET:HB3	1:62:B:LEU:HD11	20	0.96	0.13	1.02
(1,4388)	1:76:B:SER:H	1:13:B:VAL:HG13	20	0.95	0.44	1.0
(1,4388)	1:76:B:SER:H	1:13:B:VAL:HG11	20	0.95	0.44	1.0
(1,4388)	1:76:B:SER:H	1:13:B:VAL:HG12	20	0.95	0.44	1.0
(1,4388)	1:76:B:SER:H	1:70:B:VAL:HG21	20	0.95	0.44	1.0
(1,4028)	1:83:B:ALA:HA	1:9:A:LEU:HB3	20	0.95	0.28	0.96
(1,4028)	1:83:B:ALA:HA	1:88:B:GLU:HG2	20	0.95	0.28	0.96
(1,4257)	1:30:A:ASN:H	1:28:A:LYS:HD2	20	0.95	0.27	1.04
(1,4257)	1:30:A:ASN:H	1:31:A:LYS:HG2	20	0.95	0.27	1.04
(1,3123)	1:73:A:GLN:HE22	1:78:A:PHE:HB2	20	0.95	0.2	1.0
(1,3124)	1:73:B:GLN:HE22	1:78:B:PHE:HB2	20	0.95	0.2	0.99
(1,4258)	1:30:B:ASN:H	1:28:B:LYS:HD2	20	0.95	0.27	1.04
(1,4258)	1:30:B:ASN:H	1:31:B:LYS:HG2	20	0.95	0.27	1.04
(1,4027)	1:83:A:ALA:HA	1:9:B:LEU:HB3	20	0.94	0.28	0.96
(1,4027)	1:83:A:ALA:HA	1:88:A:GLU:HG2	20	0.94	0.28	0.96
(1,2563)	1:27:A:PHE:H	1:28:A:LYS:HG2	20	0.94	0.29	0.96
(1,2564)	1:27:B:PHE:H	1:28:B:LYS:HG2	20	0.94	0.29	0.97
(1,3879)	1:51:A:ASP:HB2	1:56:A:GLN:HB3	20	0.94	0.15	0.92
(1,3879)	1:51:A:ASP:HB3	1:56:A:GLN:HB3	20	0.94	0.15	0.92

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3879)	1:18:A:LYS:HE3	1:36:A:GLU:HB2	20	0.94	0.15	0.92
(1,3879)	1:51:A:ASP:HB3	1:56:A:GLN:HB2	20	0.94	0.15	0.92
(1,3880)	1:51:B:ASP:HB2	1:56:B:GLN:HB3	20	0.94	0.15	0.92
(1,3880)	1:51:B:ASP:HB3	1:56:B:GLN:HB3	20	0.94	0.15	0.92
(1,3880)	1:18:B:LYS:HE3	1:36:B:GLU:HB2	20	0.94	0.15	0.92
(1,3880)	1:51:B:ASP:HB3	1:56:B:GLN:HB2	20	0.94	0.15	0.92
(1,4583)	1:36:A:GLU:H	1:37:A:LEU:HD11	20	0.92	0.13	0.96
(1,4583)	1:36:A:GLU:H	1:34:A:LEU:HD21	20	0.92	0.13	0.96
(1,4583)	1:36:A:GLU:H	1:34:A:LEU:HD22	20	0.92	0.13	0.96
(1,4583)	1:36:A:GLU:H	1:37:A:LEU:HD12	20	0.92	0.13	0.96
(1,4583)	1:36:A:GLU:H	1:37:A:LEU:HD23	20	0.92	0.13	0.96
(1,4583)	1:36:A:GLU:H	1:37:A:LEU:HD22	20	0.92	0.13	0.96
(1,4583)	1:36:A:GLU:H	1:34:A:LEU:HD23	20	0.92	0.13	0.96
(1,4583)	1:36:A:GLU:H	1:37:A:LEU:HD21	20	0.92	0.13	0.96
(1,4584)	1:36:B:GLU:H	1:37:B:LEU:HD11	20	0.92	0.13	0.96
(1,4584)	1:36:B:GLU:H	1:34:B:LEU:HD21	20	0.92	0.13	0.96
(1,4584)	1:36:B:GLU:H	1:34:B:LEU:HD22	20	0.92	0.13	0.96
(1,4584)	1:36:B:GLU:H	1:37:B:LEU:HD12	20	0.92	0.13	0.96
(1,4584)	1:36:B:GLU:H	1:37:B:LEU:HD23	20	0.92	0.13	0.96
(1,4584)	1:36:B:GLU:H	1:37:B:LEU:HD22	20	0.92	0.13	0.96
(1,4584)	1:36:B:GLU:H	1:34:B:LEU:HD23	20	0.92	0.13	0.96
(1,4584)	1:36:B:GLU:H	1:37:B:LEU:HD21	20	0.92	0.13	0.96
(1,4064)	1:37:B:LEU:HD12	1:17:B:HIS:HA	20	0.92	0.16	0.94
(1,4064)	1:37:B:LEU:HD11	1:17:B:HIS:HA	20	0.92	0.16	0.94
(1,4064)	1:37:B:LEU:HD13	1:17:B:HIS:HA	20	0.92	0.16	0.94
(1,4064)	1:17:B:HIS:HA	1:13:B:VAL:HG11	20	0.92	0.16	0.94
(1,4064)	1:17:B:HIS:HA	1:13:B:VAL:HG13	20	0.92	0.16	0.94
(1,4064)	1:17:B:HIS:HA	1:13:B:VAL:HG12	20	0.92	0.16	0.94
(1,4063)	1:37:A:LEU:HD12	1:17:A:HIS:HA	20	0.92	0.16	0.94
(1,4063)	1:37:A:LEU:HD11	1:17:A:HIS:HA	20	0.92	0.16	0.94
(1,4063)	1:37:A:LEU:HD13	1:17:A:HIS:HA	20	0.92	0.16	0.94
(1,4063)	1:17:A:HIS:HA	1:13:A:VAL:HG11	20	0.92	0.16	0.94
(1,4063)	1:17:A:HIS:HA	1:13:A:VAL:HG13	20	0.92	0.16	0.94
(1,4063)	1:17:A:HIS:HA	1:13:A:VAL:HG12	20	0.92	0.16	0.94
(1,1856)	1:19:B:TYR:HA	1:29:B:LEU:HD12	20	0.91	0.06	0.91
(1,1856)	1:19:B:TYR:HA	1:29:B:LEU:HD13	20	0.91	0.06	0.91
(1,1856)	1:19:B:TYR:HA	1:29:B:LEU:HD11	20	0.91	0.06	0.91
(1,1855)	1:19:A:TYR:HA	1:29:A:LEU:HD12	20	0.91	0.06	0.9
(1,1855)	1:19:A:TYR:HA	1:29:A:LEU:HD13	20	0.91	0.06	0.9
(1,1855)	1:19:A:TYR:HA	1:29:A:LEU:HD11	20	0.91	0.06	0.9
(2,90)	1:61:B:ASN:HA	1:66:B:ARG:HD2	20	0.91	0.33	0.98
(2,89)	1:61:A:ASN:HA	1:66:A:ARG:HD2	20	0.91	0.33	0.98

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4330)	1:58:B:LEU:H	1:58:B:LEU:HD13	20	0.91	0.08	0.92
(1,4330)	1:58:B:LEU:H	1:58:B:LEU:HD12	20	0.91	0.08	0.92
(1,4330)	1:58:B:LEU:H	1:58:B:LEU:HD11	20	0.91	0.08	0.92
(1,4329)	1:58:A:LEU:H	1:58:A:LEU:HD13	20	0.9	0.08	0.92
(1,4329)	1:58:A:LEU:H	1:58:A:LEU:HD12	20	0.9	0.08	0.92
(1,4329)	1:58:A:LEU:H	1:58:A:LEU:HD11	20	0.9	0.08	0.92
(1,3896)	1:38:B:LEU:HB2	1:36:B:GLU:HG3	20	0.9	0.09	0.9
(1,3896)	1:43:B:PRO:HB3	1:46:B:LEU:HB2	20	0.9	0.09	0.9
(1,3895)	1:38:A:LEU:HB2	1:36:A:GLU:HG3	20	0.9	0.09	0.9
(1,3895)	1:43:A:PRO:HB3	1:46:A:LEU:HB2	20	0.9	0.09	0.9
(1,4561)	1:73:A:GLN:HE22	1:77:A:VAL:HA	20	0.9	0.13	0.92
(1,4561)	1:73:A:GLN:HE22	1:76:A:SER:HB2	20	0.9	0.13	0.92
(1,4561)	1:73:A:GLN:HE22	1:76:A:SER:HB3	20	0.9	0.13	0.92
(1,4562)	1:73:B:GLN:HE22	1:77:B:VAL:HA	20	0.89	0.13	0.92
(1,4562)	1:73:B:GLN:HE22	1:76:B:SER:HB2	20	0.89	0.13	0.92
(1,4562)	1:73:B:GLN:HE22	1:76:B:SER:HB3	20	0.89	0.13	0.92
(1,4359)	1:67:A:ASP:H	1:70:A:VAL:HG21	20	0.89	0.13	0.89
(1,4359)	1:67:A:ASP:H	1:70:A:VAL:HG22	20	0.89	0.13	0.89
(1,4359)	1:67:A:ASP:H	1:70:A:VAL:HG23	20	0.89	0.13	0.89
(1,4360)	1:67:B:ASP:H	1:70:B:VAL:HG21	20	0.89	0.13	0.9
(1,4360)	1:67:B:ASP:H	1:70:B:VAL:HG22	20	0.89	0.13	0.9
(1,4360)	1:67:B:ASP:H	1:70:B:VAL:HG23	20	0.89	0.13	0.9
(1,63)	1:82:A:ILE:HG21	1:13:B:VAL:HG21	20	0.89	0.04	0.88
(1,63)	1:82:A:ILE:HG22	1:13:B:VAL:HG22	20	0.89	0.04	0.88
(1,63)	1:82:A:ILE:HG22	1:13:B:VAL:HG23	20	0.89	0.04	0.88
(1,63)	1:82:A:ILE:HG21	1:13:B:VAL:HG22	20	0.89	0.04	0.88
(1,63)	1:82:A:ILE:HG21	1:13:B:VAL:HG23	20	0.89	0.04	0.88
(1,63)	1:82:A:ILE:HG23	1:13:B:VAL:HG21	20	0.89	0.04	0.88
(1,63)	1:82:A:ILE:HG23	1:13:B:VAL:HG23	20	0.89	0.04	0.88
(1,64)	1:82:B:ILE:HG21	1:13:A:VAL:HG21	20	0.88	0.04	0.87
(1,64)	1:82:B:ILE:HG22	1:13:A:VAL:HG22	20	0.88	0.04	0.87
(1,64)	1:82:B:ILE:HG22	1:13:A:VAL:HG23	20	0.88	0.04	0.87
(1,64)	1:82:B:ILE:HG21	1:13:A:VAL:HG22	20	0.88	0.04	0.87
(1,64)	1:82:B:ILE:HG21	1:13:A:VAL:HG23	20	0.88	0.04	0.87
(1,64)	1:82:B:ILE:HG23	1:13:A:VAL:HG21	20	0.88	0.04	0.87
(1,64)	1:82:B:ILE:HG23	1:13:A:VAL:HG23	20	0.88	0.04	0.87
(1,4380)	1:10:B:ASP:H	1:9:B:LEU:HD13	20	0.88	0.06	0.88
(1,4380)	1:10:B:ASP:H	1:9:B:LEU:HD22	20	0.88	0.06	0.88
(1,4380)	1:10:B:ASP:H	1:9:B:LEU:HD11	20	0.88	0.06	0.88
(1,4380)	1:10:B:ASP:H	1:9:B:LEU:HD21	20	0.88	0.06	0.88
(1,4380)	1:10:B:ASP:H	1:9:B:LEU:HD23	20	0.88	0.06	0.88
(1,4380)	1:10:B:ASP:H	1:9:B:LEU:HD12	20	0.88	0.06	0.88

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4379)	1:10:A:ASP:H	1:9:A:LEU:HD13	20	0.88	0.06	0.88
(1,4379)	1:10:A:ASP:H	1:9:A:LEU:HD22	20	0.88	0.06	0.88
(1,4379)	1:10:A:ASP:H	1:9:A:LEU:HD11	20	0.88	0.06	0.88
(1,4379)	1:10:A:ASP:H	1:9:A:LEU:HD21	20	0.88	0.06	0.88
(1,4379)	1:10:A:ASP:H	1:9:A:LEU:HD23	20	0.88	0.06	0.88
(1,4379)	1:10:A:ASP:H	1:9:A:LEU:HD12	20	0.88	0.06	0.88
(2,285)	1:65:A:ASN:HD21	1:68:A:ASN:HD21	20	0.88	0.39	0.86
(2,286)	1:65:B:ASN:HD21	1:68:B:ASN:HD21	20	0.88	0.39	0.85
(1,2625)	1:9:A:LEU:H	1:82:B:ILE:HD11	20	0.87	0.07	0.88
(1,2625)	1:9:A:LEU:H	1:82:B:ILE:HD12	20	0.87	0.07	0.88
(1,2625)	1:9:A:LEU:H	1:82:B:ILE:HD13	20	0.87	0.07	0.88
(1,3364)	1:39:B:THR:HG23	1:37:B:LEU:HB3	20	0.87	0.08	0.85
(1,3364)	1:39:B:THR:HG21	1:37:B:LEU:HB3	20	0.87	0.08	0.85
(1,3364)	1:39:B:THR:HG22	1:37:B:LEU:HB3	20	0.87	0.08	0.85
(1,3545)	1:29:A:LEU:HD22	1:22:A:LYS:HE3	20	0.87	0.22	0.94
(1,3545)	1:29:A:LEU:HD23	1:22:A:LYS:HE2	20	0.87	0.22	0.94
(1,3545)	1:29:A:LEU:HD22	1:22:A:LYS:HE2	20	0.87	0.22	0.94
(1,3545)	1:29:A:LEU:HD21	1:22:A:LYS:HE2	20	0.87	0.22	0.94
(1,3545)	1:29:A:LEU:HD23	1:22:A:LYS:HE3	20	0.87	0.22	0.94
(1,3545)	1:29:A:LEU:HD21	1:22:A:LYS:HE3	20	0.87	0.22	0.94
(1,2626)	1:9:B:LEU:H	1:82:A:ILE:HD11	20	0.87	0.07	0.88
(1,2626)	1:9:B:LEU:H	1:82:A:ILE:HD12	20	0.87	0.07	0.88
(1,2626)	1:9:B:LEU:H	1:82:A:ILE:HD13	20	0.87	0.07	0.88
(1,3497)	1:79:A:LEU:HG	1:80:A:SER:HB2	20	0.87	0.21	0.86
(1,3497)	1:79:A:LEU:HG	1:80:A:SER:HB3	20	0.87	0.21	0.86
(1,3497)	1:79:A:LEU:HG	1:80:B:SER:HB3	20	0.87	0.21	0.86
(1,3546)	1:29:B:LEU:HD22	1:22:B:LYS:HE3	20	0.87	0.22	0.94
(1,3546)	1:29:B:LEU:HD23	1:22:B:LYS:HE2	20	0.87	0.22	0.94
(1,3546)	1:29:B:LEU:HD22	1:22:B:LYS:HE2	20	0.87	0.22	0.94
(1,3546)	1:29:B:LEU:HD21	1:22:B:LYS:HE2	20	0.87	0.22	0.94
(1,3546)	1:29:B:LEU:HD23	1:22:B:LYS:HE3	20	0.87	0.22	0.94
(1,3546)	1:29:B:LEU:HD21	1:22:B:LYS:HE3	20	0.87	0.22	0.94
(1,3363)	1:39:A:THR:HG23	1:37:A:LEU:HB3	20	0.87	0.08	0.85
(1,3363)	1:39:A:THR:HG21	1:37:A:LEU:HB3	20	0.87	0.08	0.85
(1,3363)	1:39:A:THR:HG22	1:37:A:LEU:HB3	20	0.87	0.08	0.85
(1,3498)	1:79:B:LEU:HG	1:80:B:SER:HB2	20	0.87	0.21	0.86
(1,3498)	1:79:B:LEU:HG	1:80:B:SER:HB3	20	0.87	0.21	0.86
(1,3498)	1:79:B:LEU:HG	1:80:A:SER:HB3	20	0.87	0.21	0.86
(1,4113)	1:75:A:TYR:HA	1:70:A:VAL:HG22	20	0.86	0.07	0.86
(1,4113)	1:75:A:TYR:HA	1:70:A:VAL:HG23	20	0.86	0.07	0.86
(1,4113)	1:75:A:TYR:HA	1:70:A:VAL:HG21	20	0.86	0.07	0.86
(1,4114)	1:75:B:TYR:HA	1:70:B:VAL:HG22	20	0.86	0.07	0.86

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4114)	1:75:B:TYR:HA	1:70:B:VAL:HG23	20	0.86	0.07	0.86
(1,4114)	1:75:B:TYR:HA	1:70:B:VAL:HG21	20	0.86	0.07	0.86
(1,4523)	1:80:A:SER:H	1:79:A:LEU:HD12	20	0.86	0.08	0.86
(1,4523)	1:80:A:SER:H	1:79:A:LEU:HD21	20	0.86	0.08	0.86
(1,4523)	1:80:A:SER:H	1:79:A:LEU:HD22	20	0.86	0.08	0.86
(1,4523)	1:80:A:SER:H	1:79:A:LEU:HD11	20	0.86	0.08	0.86
(1,4523)	1:80:A:SER:H	1:79:A:LEU:HD23	20	0.86	0.08	0.86
(1,4524)	1:80:B:SER:H	1:79:B:LEU:HD12	20	0.86	0.08	0.86
(1,4524)	1:80:B:SER:H	1:79:B:LEU:HD21	20	0.86	0.08	0.86
(1,4524)	1:80:B:SER:H	1:79:B:LEU:HD22	20	0.86	0.08	0.86
(1,4524)	1:80:B:SER:H	1:79:B:LEU:HD11	20	0.86	0.08	0.86
(1,4524)	1:80:B:SER:H	1:79:B:LEU:HD23	20	0.86	0.08	0.86
(1,4015)	1:41:A:GLU:HA	1:37:A:LEU:HD23	20	0.85	0.27	0.92
(1,4015)	1:41:A:GLU:HA	1:37:A:LEU:HD22	20	0.85	0.27	0.92
(1,4015)	1:41:A:GLU:HA	1:42:A:LEU:HD22	20	0.85	0.27	0.92
(1,4015)	1:41:A:GLU:HA	1:37:A:LEU:HD21	20	0.85	0.27	0.92
(1,4015)	1:41:A:GLU:HA	1:42:A:LEU:HD21	20	0.85	0.27	0.92
(1,4016)	1:41:B:GLU:HA	1:37:B:LEU:HD23	20	0.85	0.27	0.92
(1,4016)	1:41:B:GLU:HA	1:37:B:LEU:HD22	20	0.85	0.27	0.92
(1,4016)	1:41:B:GLU:HA	1:42:B:LEU:HD22	20	0.85	0.27	0.92
(1,4016)	1:41:B:GLU:HA	1:37:B:LEU:HD21	20	0.85	0.27	0.92
(1,4016)	1:41:B:GLU:HA	1:42:B:LEU:HD21	20	0.85	0.27	0.92
(1,4482)	1:14:B:SER:H	1:79:B:LEU:HD12	20	0.84	0.26	0.88
(1,4482)	1:14:B:SER:H	1:79:B:LEU:HD13	20	0.84	0.26	0.88
(1,4482)	1:14:B:SER:H	1:79:B:LEU:HD11	20	0.84	0.26	0.88
(1,4481)	1:14:A:SER:H	1:79:A:LEU:HD12	20	0.84	0.26	0.88
(1,4481)	1:14:A:SER:H	1:79:A:LEU:HD13	20	0.84	0.26	0.88
(1,4481)	1:14:A:SER:H	1:79:A:LEU:HD11	20	0.84	0.26	0.88
(1,105)	1:83:A:ALA:HB1	1:82:A:ILE:HD11	20	0.82	0.14	0.85
(1,105)	1:83:A:ALA:HB3	1:82:A:ILE:HD11	20	0.82	0.14	0.85
(1,105)	1:83:A:ALA:HB3	1:82:A:ILE:HD12	20	0.82	0.14	0.85
(1,105)	1:83:A:ALA:HB1	1:82:A:ILE:HD13	20	0.82	0.14	0.85
(1,105)	1:83:A:ALA:HB2	1:82:A:ILE:HD12	20	0.82	0.14	0.85
(1,105)	1:83:A:ALA:HB2	1:82:A:ILE:HD13	20	0.82	0.14	0.85
(1,105)	1:83:A:ALA:HB1	1:82:A:ILE:HD12	20	0.82	0.14	0.85
(1,105)	1:83:A:ALA:HB2	1:82:A:ILE:HD11	20	0.82	0.14	0.85
(1,105)	1:83:A:ALA:HB3	1:82:A:ILE:HD13	20	0.82	0.14	0.85
(1,106)	1:83:B:ALA:HB1	1:82:B:ILE:HD11	20	0.82	0.14	0.86
(1,106)	1:83:B:ALA:HB3	1:82:B:ILE:HD11	20	0.82	0.14	0.86
(1,106)	1:83:B:ALA:HB3	1:82:B:ILE:HD12	20	0.82	0.14	0.86
(1,106)	1:83:B:ALA:HB1	1:82:B:ILE:HD13	20	0.82	0.14	0.86
(1,106)	1:83:B:ALA:HB2	1:82:B:ILE:HD12	20	0.82	0.14	0.86

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,106)	1:83:B:ALA:HB2	1:82:B:ILE:HD13	20	0.82	0.14	0.86
(1,106)	1:83:B:ALA:HB1	1:82:B:ILE:HD12	20	0.82	0.14	0.86
(1,106)	1:83:B:ALA:HB2	1:82:B:ILE:HD11	20	0.82	0.14	0.86
(1,106)	1:83:B:ALA:HB3	1:82:B:ILE:HD13	20	0.82	0.14	0.86
(1,4447)	1:69:A:GLU:H	1:28:A:LYS:HA	20	0.82	0.14	0.88
(1,4447)	1:69:A:GLU:H	1:71:A:ASP:HA	20	0.82	0.14	0.88
(1,4448)	1:69:B:GLU:H	1:28:B:LYS:HA	20	0.82	0.14	0.88
(1,4448)	1:69:B:GLU:H	1:71:B:ASP:HA	20	0.82	0.14	0.88
(1,241)	1:34:A:LEU:HD12	1:34:A:LEU:HB3	20	0.82	0.03	0.82
(1,241)	1:34:A:LEU:HD11	1:34:A:LEU:HB3	20	0.82	0.03	0.82
(1,241)	1:34:A:LEU:HD13	1:34:A:LEU:HB3	20	0.82	0.03	0.82
(1,4453)	1:69:A:GLU:H	1:28:A:LYS:HG3	20	0.82	0.2	0.81
(1,4453)	1:69:A:GLU:H	1:31:A:LYS:HG2	20	0.82	0.2	0.81
(1,4454)	1:69:B:GLU:H	1:28:B:LYS:HG3	20	0.82	0.2	0.8
(1,4454)	1:69:B:GLU:H	1:31:B:LYS:HG2	20	0.82	0.2	0.8
(1,242)	1:34:B:LEU:HD12	1:34:B:LEU:HB3	20	0.82	0.03	0.82
(1,242)	1:34:B:LEU:HD11	1:34:B:LEU:HB3	20	0.82	0.03	0.82
(1,242)	1:34:B:LEU:HD13	1:34:B:LEU:HB3	20	0.82	0.03	0.82
(1,4603)	1:73:A:GLN:H	1:13:A:VAL:HG13	20	0.82	0.42	0.9
(1,4603)	1:73:A:GLN:H	1:13:A:VAL:HG11	20	0.82	0.42	0.9
(1,4603)	1:73:A:GLN:H	1:13:A:VAL:HG12	20	0.82	0.42	0.9
(1,4604)	1:73:B:GLN:H	1:13:B:VAL:HG13	20	0.82	0.42	0.9
(1,4604)	1:73:B:GLN:H	1:13:B:VAL:HG11	20	0.82	0.42	0.9
(1,4604)	1:73:B:GLN:H	1:13:B:VAL:HG12	20	0.82	0.42	0.9
(1,3918)	1:40:B:ARG:HD2	1:39:B:THR:HA	20	0.82	0.14	0.84
(1,3918)	1:40:B:ARG:HD3	1:39:B:THR:HA	20	0.82	0.14	0.84
(1,3334)	1:83:B:ALA:HB1	1:82:B:ILE:HG21	20	0.82	0.12	0.81
(1,3334)	1:83:B:ALA:HB3	1:82:B:ILE:HG22	20	0.82	0.12	0.81
(1,3334)	1:83:B:ALA:HB3	1:79:A:LEU:HD11	20	0.82	0.12	0.81
(1,3334)	1:83:B:ALA:HB2	1:82:B:ILE:HG21	20	0.82	0.12	0.81
(1,3334)	1:83:B:ALA:HB1	1:82:B:ILE:HG23	20	0.82	0.12	0.81
(1,3334)	1:83:B:ALA:HB2	1:82:B:ILE:HG23	20	0.82	0.12	0.81
(1,3334)	1:83:B:ALA:HB3	1:82:B:ILE:HG23	20	0.82	0.12	0.81
(1,3334)	1:83:B:ALA:HB3	1:82:B:ILE:HG21	20	0.82	0.12	0.81
(1,3917)	1:40:A:ARG:HD2	1:39:A:THR:HA	20	0.82	0.14	0.84
(1,3917)	1:40:A:ARG:HD3	1:39:A:THR:HA	20	0.82	0.14	0.84
(1,3333)	1:83:A:ALA:HB1	1:82:A:ILE:HG21	20	0.82	0.12	0.81
(1,3333)	1:83:A:ALA:HB3	1:82:A:ILE:HG22	20	0.82	0.12	0.81
(1,3333)	1:83:A:ALA:HB3	1:79:B:LEU:HD11	20	0.82	0.12	0.81
(1,3333)	1:83:A:ALA:HB2	1:82:A:ILE:HG21	20	0.82	0.12	0.81
(1,3333)	1:83:A:ALA:HB1	1:82:A:ILE:HG23	20	0.82	0.12	0.81
(1,3333)	1:83:A:ALA:HB2	1:82:A:ILE:HG23	20	0.82	0.12	0.81

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3333)	1:83:A:ALA:HB3	1:82:A:ILE:HG23	20	0.82	0.12	0.81
(1,3333)	1:83:A:ALA:HB3	1:82:A:ILE:HG21	20	0.82	0.12	0.81
(1,3494)	1:79:B:LEU:HD23	1:15:B:THR:HB	20	0.81	0.22	0.8
(1,3494)	1:79:B:LEU:HD21	1:15:B:THR:HB	20	0.81	0.22	0.8
(1,3494)	1:79:B:LEU:HD22	1:15:B:THR:HB	20	0.81	0.22	0.8
(1,3493)	1:79:A:LEU:HD23	1:15:A:THR:HB	20	0.81	0.22	0.8
(1,3493)	1:79:A:LEU:HD21	1:15:A:THR:HB	20	0.81	0.22	0.8
(1,3493)	1:79:A:LEU:HD22	1:15:A:THR:HB	20	0.81	0.22	0.8
(1,3460)	1:29:B:LEU:HD13	1:29:B:LEU:HA	20	0.81	0.02	0.82
(1,3460)	1:29:B:LEU:HD12	1:29:B:LEU:HA	20	0.81	0.02	0.82
(1,3460)	1:29:B:LEU:HD11	1:29:B:LEU:HA	20	0.81	0.02	0.82
(1,4331)	1:57:A:LYS:H	1:58:A:LEU:HD13	20	0.81	0.1	0.81
(1,4331)	1:57:A:LYS:H	1:34:A:LEU:HD23	20	0.81	0.1	0.81
(1,4331)	1:57:A:LYS:H	1:34:A:LEU:HD21	20	0.81	0.1	0.81
(1,4331)	1:57:A:LYS:H	1:34:A:LEU:HD22	20	0.81	0.1	0.81
(1,4331)	1:57:A:LYS:H	1:58:A:LEU:HD12	20	0.81	0.1	0.81
(1,4331)	1:57:A:LYS:H	1:58:A:LEU:HD11	20	0.81	0.1	0.81
(1,3459)	1:29:A:LEU:HD13	1:29:A:LEU:HA	20	0.81	0.02	0.81
(1,3459)	1:29:A:LEU:HD12	1:29:A:LEU:HA	20	0.81	0.02	0.81
(1,3459)	1:29:A:LEU:HD11	1:29:A:LEU:HA	20	0.81	0.02	0.81
(1,1211)	1:28:A:LYS:HB3	1:70:A:VAL:HG11	20	0.81	0.11	0.83
(1,1211)	1:28:A:LYS:HB3	1:70:A:VAL:HG13	20	0.81	0.11	0.83
(1,1211)	1:28:A:LYS:HB3	1:70:A:VAL:HG12	20	0.81	0.11	0.83
(1,1212)	1:28:B:LYS:HB3	1:70:B:VAL:HG11	20	0.81	0.11	0.83
(1,1212)	1:28:B:LYS:HB3	1:70:B:VAL:HG13	20	0.81	0.11	0.83
(1,1212)	1:28:B:LYS:HB3	1:70:B:VAL:HG12	20	0.81	0.11	0.83
(1,4332)	1:57:B:LYS:H	1:58:B:LEU:HD13	20	0.81	0.1	0.8
(1,4332)	1:57:B:LYS:H	1:34:B:LEU:HD23	20	0.81	0.1	0.8
(1,4332)	1:57:B:LYS:H	1:34:B:LEU:HD21	20	0.81	0.1	0.8
(1,4332)	1:57:B:LYS:H	1:34:B:LEU:HD22	20	0.81	0.1	0.8
(1,4332)	1:57:B:LYS:H	1:58:B:LEU:HD12	20	0.81	0.1	0.8
(1,4332)	1:57:B:LYS:H	1:58:B:LEU:HD11	20	0.81	0.1	0.8
(1,4340)	1:13:B:VAL:H	1:79:B:LEU:HD12	20	0.79	0.26	0.86
(1,4340)	1:13:B:VAL:H	1:79:B:LEU:HD13	20	0.79	0.26	0.86
(1,4340)	1:13:B:VAL:H	1:79:B:LEU:HD11	20	0.79	0.26	0.86
(1,4596)	1:88:B:GLU:H	1:94:B:PRO:HG3	20	0.79	0.3	0.78
(1,4596)	1:62:B:LEU:H	1:57:B:LYS:HB3	20	0.79	0.3	0.78
(1,4596)	1:88:B:GLU:H	1:94:B:PRO:HB2	20	0.79	0.3	0.78
(1,4339)	1:13:A:VAL:H	1:79:A:LEU:HD12	20	0.79	0.26	0.86
(1,4339)	1:13:A:VAL:H	1:79:A:LEU:HD13	20	0.79	0.26	0.86
(1,4339)	1:13:A:VAL:H	1:79:A:LEU:HD11	20	0.79	0.26	0.86
(1,4595)	1:88:A:GLU:H	1:94:A:PRO:HG3	20	0.79	0.3	0.78

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4595)	1:62:A:LEU:H	1:57:A:LYS:HB3	20	0.79	0.3	0.78
(1,4595)	1:88:A:GLU:H	1:94:A:PRO:HB2	20	0.79	0.3	0.78
(1,1504)	1:92:B:GLY:HA2	1:90:B:PHE:HB3	20	0.79	0.13	0.79
(1,1503)	1:92:A:GLY:HA2	1:90:A:PHE:HB3	20	0.79	0.13	0.79
(1,1698)	1:9:B:LEU:HB3	1:10:B:ASP:HA	20	0.79	0.06	0.79
(1,3528)	1:5:B:LEU:HG	1:10:B:ASP:H	20	0.78	0.14	0.82
(1,3528)	1:5:B:LEU:HG	1:10:A:ASP:H	20	0.78	0.14	0.82
(1,1697)	1:9:A:LEU:HB3	1:10:A:ASP:HA	20	0.78	0.06	0.78
(1,3527)	1:5:A:LEU:HG	1:10:A:ASP:H	20	0.78	0.14	0.82
(1,3527)	1:5:A:LEU:HG	1:10:B:ASP:H	20	0.78	0.14	0.82
(1,622)	1:29:B:LEU:HD21	1:70:B:VAL:HG11	20	0.78	0.16	0.79
(1,622)	1:29:B:LEU:HD22	1:70:B:VAL:HG13	20	0.78	0.16	0.79
(1,622)	1:29:B:LEU:HD21	1:70:B:VAL:HG12	20	0.78	0.16	0.79
(1,622)	1:29:B:LEU:HD22	1:70:B:VAL:HG11	20	0.78	0.16	0.79
(1,622)	1:29:B:LEU:HD22	1:70:B:VAL:HG12	20	0.78	0.16	0.79
(1,622)	1:29:B:LEU:HD21	1:70:B:VAL:HG13	20	0.78	0.16	0.79
(1,622)	1:29:B:LEU:HD23	1:70:B:VAL:HG13	20	0.78	0.16	0.79
(1,622)	1:29:B:LEU:HD23	1:70:B:VAL:HG11	20	0.78	0.16	0.79
(1,622)	1:29:B:LEU:HD23	1:70:B:VAL:HG12	20	0.78	0.16	0.79
(1,621)	1:29:A:LEU:HD21	1:70:A:VAL:HG11	20	0.78	0.16	0.78
(1,621)	1:29:A:LEU:HD22	1:70:A:VAL:HG13	20	0.78	0.16	0.78
(1,621)	1:29:A:LEU:HD21	1:70:A:VAL:HG12	20	0.78	0.16	0.78
(1,621)	1:29:A:LEU:HD22	1:70:A:VAL:HG11	20	0.78	0.16	0.78
(1,621)	1:29:A:LEU:HD22	1:70:A:VAL:HG12	20	0.78	0.16	0.78
(1,621)	1:29:A:LEU:HD21	1:70:A:VAL:HG13	20	0.78	0.16	0.78
(1,621)	1:29:A:LEU:HD23	1:70:A:VAL:HG13	20	0.78	0.16	0.78
(1,621)	1:29:A:LEU:HD23	1:70:A:VAL:HG11	20	0.78	0.16	0.78
(1,621)	1:29:A:LEU:HD23	1:70:A:VAL:HG12	20	0.78	0.16	0.78
(1,1026)	1:41:B:GLU:HG3	1:40:B:ARG:HA	20	0.77	0.11	0.78
(1,1025)	1:41:A:GLU:HG3	1:40:A:ARG:HA	20	0.77	0.12	0.78
(1,1076)	1:31:B:LYS:HD3	1:52:B:GLU:HG2	20	0.77	0.19	0.8
(1,1076)	1:31:B:LYS:HD2	1:52:B:GLU:HG2	20	0.77	0.19	0.8
(1,1076)	1:31:B:LYS:HD2	1:52:B:GLU:HG3	20	0.77	0.19	0.8
(1,1075)	1:31:A:LYS:HD3	1:52:A:GLU:HG2	20	0.77	0.19	0.8
(1,1075)	1:31:A:LYS:HD2	1:52:A:GLU:HG2	20	0.77	0.19	0.8
(1,1075)	1:31:A:LYS:HD2	1:52:A:GLU:HG3	20	0.77	0.19	0.8
(1,4178)	1:32:B:SER:HB2	1:31:B:LYS:HG3	20	0.76	0.3	0.72
(1,4178)	1:60:B:SER:HB3	1:58:B:LEU:HB3	20	0.76	0.3	0.72
(1,4178)	1:60:B:SER:HB2	1:58:B:LEU:HB3	20	0.76	0.3	0.72
(1,3163)	1:21:A:GLY:H	1:37:A:LEU:HD11	20	0.76	0.17	0.79
(1,3163)	1:21:A:GLY:H	1:37:A:LEU:HD12	20	0.76	0.17	0.79
(1,3163)	1:21:A:GLY:H	1:37:A:LEU:HD13	20	0.76	0.17	0.79

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3521)	1:38:A:LEU:HD22	1:35:A:LYS:H	20	0.76	0.18	0.83
(1,3521)	1:38:A:LEU:HD23	1:39:A:THR:H	20	0.76	0.18	0.83
(1,3521)	1:38:A:LEU:HD21	1:39:A:THR:H	20	0.76	0.18	0.83
(1,3521)	1:38:A:LEU:HD22	1:39:A:THR:H	20	0.76	0.18	0.83
(1,3521)	1:38:A:LEU:HD23	1:35:A:LYS:H	20	0.76	0.18	0.83
(1,3521)	1:38:A:LEU:HD21	1:35:A:LYS:H	20	0.76	0.18	0.83
(1,3522)	1:38:B:LEU:HD22	1:35:B:LYS:H	20	0.76	0.18	0.82
(1,3522)	1:38:B:LEU:HD23	1:39:B:THR:H	20	0.76	0.18	0.82
(1,3522)	1:38:B:LEU:HD21	1:39:B:THR:H	20	0.76	0.18	0.82
(1,3522)	1:38:B:LEU:HD22	1:39:B:THR:H	20	0.76	0.18	0.82
(1,3522)	1:38:B:LEU:HD23	1:35:B:LYS:H	20	0.76	0.18	0.82
(1,3522)	1:38:B:LEU:HD21	1:35:B:LYS:H	20	0.76	0.18	0.82
(1,4177)	1:32:A:SER:HB2	1:31:A:LYS:HG3	20	0.76	0.3	0.72
(1,4177)	1:60:A:SER:HB3	1:58:A:LEU:HB3	20	0.76	0.3	0.72
(1,4177)	1:60:A:SER:HB2	1:58:A:LEU:HB3	20	0.76	0.3	0.72
(1,3164)	1:21:B:GLY:H	1:37:B:LEU:HD11	20	0.76	0.17	0.79
(1,3164)	1:21:B:GLY:H	1:37:B:LEU:HD12	20	0.76	0.17	0.79
(1,3164)	1:21:B:GLY:H	1:37:B:LEU:HD13	20	0.76	0.17	0.79
(1,393)	1:46:A:LEU:HD21	1:61:A:ASN:HD21	20	0.75	0.11	0.74
(1,393)	1:46:A:LEU:HD23	1:61:A:ASN:HD21	20	0.75	0.11	0.74
(1,393)	1:46:A:LEU:HD22	1:61:A:ASN:HD21	20	0.75	0.11	0.74
(1,394)	1:46:B:LEU:HD21	1:61:B:ASN:HD21	20	0.75	0.11	0.73
(1,394)	1:46:B:LEU:HD23	1:61:B:ASN:HD21	20	0.75	0.11	0.73
(1,394)	1:46:B:LEU:HD22	1:61:B:ASN:HD21	20	0.75	0.11	0.73
(1,3434)	1:38:B:LEU:HD11	1:41:B:GLU:HB3	20	0.74	0.27	0.74
(1,3434)	1:38:B:LEU:HD13	1:41:B:GLU:HB3	20	0.74	0.27	0.74
(1,3434)	1:38:B:LEU:HD12	1:41:B:GLU:HB3	20	0.74	0.27	0.74
(1,3434)	1:38:B:LEU:HD13	1:41:B:GLU:HG3	20	0.74	0.27	0.74
(1,3596)	1:11:B:VAL:HG22	1:7:B:LYS:HD2	20	0.74	0.23	0.7
(1,3596)	1:11:B:VAL:HG22	1:7:B:LYS:HD3	20	0.74	0.23	0.7
(1,3596)	1:11:B:VAL:HG21	1:7:B:LYS:HD3	20	0.74	0.23	0.7
(1,3596)	1:11:B:VAL:HG23	1:7:B:LYS:HD3	20	0.74	0.23	0.7
(1,3596)	1:11:B:VAL:HG21	1:7:B:LYS:HD2	20	0.74	0.23	0.7
(1,4194)	1:77:B:VAL:HA	1:83:A:ALA:HB3	20	0.74	0.31	0.84
(1,4194)	1:77:B:VAL:HA	1:83:A:ALA:HB2	20	0.74	0.31	0.84
(1,4194)	1:77:B:VAL:HA	1:83:A:ALA:HB1	20	0.74	0.31	0.84
(1,4194)	1:77:B:VAL:HA	1:62:B:LEU:HB3	20	0.74	0.31	0.84
(1,3433)	1:38:A:LEU:HD11	1:41:A:GLU:HB3	20	0.74	0.27	0.74
(1,3433)	1:38:A:LEU:HD13	1:41:A:GLU:HB3	20	0.74	0.27	0.74
(1,3433)	1:38:A:LEU:HD12	1:41:A:GLU:HB3	20	0.74	0.27	0.74
(1,3433)	1:38:A:LEU:HD13	1:41:A:GLU:HG3	20	0.74	0.27	0.74
(1,3595)	1:11:A:VAL:HG22	1:7:A:LYS:HD2	20	0.74	0.23	0.7

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3595)	1:11:A:VAL:HG22	1:7:A:LYS:HD3	20	0.74	0.23	0.7
(1,3595)	1:11:A:VAL:HG21	1:7:A:LYS:HD3	20	0.74	0.23	0.7
(1,3595)	1:11:A:VAL:HG23	1:7:A:LYS:HD3	20	0.74	0.23	0.7
(1,3595)	1:11:A:VAL:HG21	1:7:A:LYS:HD2	20	0.74	0.23	0.7
(1,4193)	1:77:A:VAL:HA	1:83:B:ALA:HB3	20	0.74	0.31	0.83
(1,4193)	1:77:A:VAL:HA	1:83:B:ALA:HB2	20	0.74	0.31	0.83
(1,4193)	1:77:A:VAL:HA	1:83:B:ALA:HB1	20	0.74	0.31	0.83
(1,4193)	1:77:A:VAL:HA	1:62:A:LEU:HB3	20	0.74	0.31	0.83
(1,3603)	1:31:A:LYS:HD3	1:35:A:LYS:H	20	0.73	0.19	0.7
(1,3603)	1:31:A:LYS:HD2	1:35:A:LYS:H	20	0.73	0.19	0.7
(1,3604)	1:31:B:LYS:HD3	1:35:B:LYS:H	20	0.73	0.19	0.7
(1,3604)	1:31:B:LYS:HD2	1:35:B:LYS:H	20	0.73	0.19	0.7
(1,3734)	1:36:B:GLU:HG3	1:40:B:ARG:HB2	20	0.73	0.23	0.68
(1,3734)	1:36:B:GLU:HG3	1:31:B:LYS:HB3	20	0.73	0.23	0.68
(1,1154)	1:30:B:ASN:HB3	1:31:B:LYS:HA	20	0.73	0.07	0.74
(1,1153)	1:30:A:ASN:HB3	1:31:A:LYS:HA	20	0.73	0.07	0.74
(1,3733)	1:36:A:GLU:HG3	1:40:A:ARG:HB2	20	0.73	0.23	0.68
(1,3733)	1:36:A:GLU:HG3	1:31:A:LYS:HB3	20	0.73	0.23	0.68
(1,125)	1:77:A:VAL:HG11	1:76:A:SER:H	20	0.72	0.1	0.72
(1,125)	1:77:A:VAL:HG13	1:76:A:SER:H	20	0.72	0.1	0.72
(1,125)	1:77:A:VAL:HG12	1:76:A:SER:H	20	0.72	0.1	0.72
(1,2164)	1:70:B:VAL:H	1:29:B:LEU:HB3	20	0.72	0.11	0.74
(1,2163)	1:70:A:VAL:H	1:29:A:LEU:HB3	20	0.72	0.11	0.74
(1,126)	1:77:B:VAL:HG11	1:76:B:SER:H	20	0.72	0.1	0.72
(1,126)	1:77:B:VAL:HG13	1:76:B:SER:H	20	0.72	0.1	0.72
(1,126)	1:77:B:VAL:HG12	1:76:B:SER:H	20	0.72	0.1	0.72
(1,4350)	1:16:B:PHE:H	1:79:B:LEU:HD13	20	0.72	0.17	0.78
(1,4350)	1:16:B:PHE:H	1:79:B:LEU:HD11	20	0.72	0.17	0.78
(1,4350)	1:16:B:PHE:H	1:79:B:LEU:HD12	20	0.72	0.17	0.78
(1,4349)	1:16:A:PHE:H	1:79:A:LEU:HD13	20	0.71	0.17	0.78
(1,4349)	1:16:A:PHE:H	1:79:A:LEU:HD11	20	0.71	0.17	0.78
(1,4349)	1:16:A:PHE:H	1:79:A:LEU:HD12	20	0.71	0.17	0.78
(1,2375)	1:11:A:VAL:H	1:11:A:VAL:HG12	20	0.71	0.02	0.71
(1,2375)	1:11:A:VAL:H	1:11:A:VAL:HG13	20	0.71	0.02	0.71
(1,2375)	1:11:A:VAL:H	1:11:A:VAL:HG11	20	0.71	0.02	0.71
(1,2376)	1:11:B:VAL:H	1:11:B:VAL:HG12	20	0.71	0.02	0.71
(1,2376)	1:11:B:VAL:H	1:11:B:VAL:HG13	20	0.71	0.02	0.71
(1,2376)	1:11:B:VAL:H	1:11:B:VAL:HG11	20	0.71	0.02	0.71
(1,416)	1:46:B:LEU:HD21	1:62:B:LEU:HD13	20	0.71	0.16	0.78
(1,416)	1:46:B:LEU:HD23	1:62:B:LEU:HD13	20	0.71	0.16	0.78
(1,416)	1:46:B:LEU:HD21	1:62:B:LEU:HD11	20	0.71	0.16	0.78
(1,416)	1:46:B:LEU:HD22	1:62:B:LEU:HD12	20	0.71	0.16	0.78

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,416)	1:46:B:LEU:HD23	1:62:B:LEU:HD12	20	0.71	0.16	0.78
(1,416)	1:46:B:LEU:HD23	1:62:B:LEU:HD11	20	0.71	0.16	0.78
(1,416)	1:46:B:LEU:HD22	1:62:B:LEU:HD13	20	0.71	0.16	0.78
(1,415)	1:46:A:LEU:HD21	1:62:A:LEU:HD13	20	0.71	0.16	0.78
(1,415)	1:46:A:LEU:HD23	1:62:A:LEU:HD13	20	0.71	0.16	0.78
(1,415)	1:46:A:LEU:HD21	1:62:A:LEU:HD11	20	0.71	0.16	0.78
(1,415)	1:46:A:LEU:HD22	1:62:A:LEU:HD12	20	0.71	0.16	0.78
(1,415)	1:46:A:LEU:HD23	1:62:A:LEU:HD12	20	0.71	0.16	0.78
(1,415)	1:46:A:LEU:HD23	1:62:A:LEU:HD11	20	0.71	0.16	0.78
(1,415)	1:46:A:LEU:HD22	1:62:A:LEU:HD13	20	0.71	0.16	0.78
(1,3765)	1:87:A:ASN:HB3	1:89:A:PHE:HB3	20	0.71	0.14	0.72
(1,3765)	1:87:A:ASN:HB3	1:89:A:PHE:HB2	20	0.71	0.14	0.72
(1,3766)	1:87:B:ASN:HB3	1:89:B:PHE:HB3	20	0.71	0.14	0.72
(1,3766)	1:87:B:ASN:HB3	1:89:B:PHE:HB2	20	0.71	0.14	0.72
(1,3317)	1:82:A:ILE:HG23	1:45:A:PHE:HA	20	0.7	0.15	0.78
(1,3317)	1:82:A:ILE:HG21	1:45:A:PHE:HA	20	0.7	0.15	0.78
(1,3317)	1:82:A:ILE:HG22	1:45:A:PHE:HA	20	0.7	0.15	0.78
(1,3318)	1:82:B:ILE:HG23	1:45:B:PHE:HA	20	0.7	0.15	0.78
(1,3318)	1:82:B:ILE:HG21	1:45:B:PHE:HA	20	0.7	0.15	0.78
(1,3318)	1:82:B:ILE:HG22	1:45:B:PHE:HA	20	0.7	0.15	0.78
(1,4030)	1:49:B:ARG:HA	1:46:B:LEU:HD13	20	0.7	0.15	0.64
(1,4030)	1:49:B:ARG:HA	1:46:B:LEU:HD22	20	0.7	0.15	0.64
(1,4030)	1:49:B:ARG:HA	1:46:B:LEU:HD23	20	0.7	0.15	0.64
(1,4030)	1:49:B:ARG:HA	1:46:B:LEU:HD21	20	0.7	0.15	0.64
(1,4030)	1:49:B:ARG:HA	1:46:B:LEU:HD12	20	0.7	0.15	0.64
(1,4030)	1:49:B:ARG:HA	1:46:B:LEU:HD11	20	0.7	0.15	0.64
(1,4029)	1:49:A:ARG:HA	1:46:A:LEU:HD13	20	0.7	0.14	0.64
(1,4029)	1:49:A:ARG:HA	1:46:A:LEU:HD22	20	0.7	0.14	0.64
(1,4029)	1:49:A:ARG:HA	1:46:A:LEU:HD23	20	0.7	0.14	0.64
(1,4029)	1:49:A:ARG:HA	1:46:A:LEU:HD21	20	0.7	0.14	0.64
(1,4029)	1:49:A:ARG:HA	1:46:A:LEU:HD12	20	0.7	0.14	0.64
(1,4029)	1:49:A:ARG:HA	1:46:A:LEU:HD11	20	0.7	0.14	0.64
(1,4477)	1:85:A:MET:H	1:82:A:ILE:HG13	20	0.69	0.16	0.7
(1,4477)	1:86:A:SER:H	1:13:B:VAL:HG12	20	0.69	0.16	0.7
(1,4477)	1:86:A:SER:H	1:13:B:VAL:HG13	20	0.69	0.16	0.7
(1,4477)	1:86:A:SER:H	1:13:B:VAL:HG11	20	0.69	0.16	0.7
(1,4478)	1:85:B:MET:H	1:82:B:ILE:HG13	20	0.69	0.16	0.7
(1,4478)	1:86:B:SER:H	1:13:A:VAL:HG12	20	0.69	0.16	0.7
(1,4478)	1:86:B:SER:H	1:13:A:VAL:HG13	20	0.69	0.16	0.7
(1,4478)	1:86:B:SER:H	1:13:A:VAL:HG11	20	0.69	0.16	0.7
(1,4323)	1:42:A:LEU:H	1:37:A:LEU:HD23	20	0.68	0.19	0.72
(1,4323)	1:42:A:LEU:H	1:37:A:LEU:HD22	20	0.68	0.19	0.72

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4323)	1:42:A:LEU:H	1:42:A:LEU:HD22	20	0.68	0.19	0.72
(1,4323)	1:42:A:LEU:H	1:37:A:LEU:HD21	20	0.68	0.19	0.72
(1,4323)	1:42:A:LEU:H	1:42:A:LEU:HD21	20	0.68	0.19	0.72
(1,4324)	1:42:B:LEU:H	1:37:B:LEU:HD23	20	0.68	0.19	0.72
(1,4324)	1:42:B:LEU:H	1:37:B:LEU:HD22	20	0.68	0.19	0.72
(1,4324)	1:42:B:LEU:H	1:42:B:LEU:HD22	20	0.68	0.19	0.72
(1,4324)	1:42:B:LEU:H	1:37:B:LEU:HD21	20	0.68	0.19	0.72
(1,4324)	1:42:B:LEU:H	1:42:B:LEU:HD21	20	0.68	0.19	0.72
(1,573)	1:9:A:LEU:HG	1:83:B:ALA:HB1	20	0.68	0.04	0.68
(1,573)	1:9:A:LEU:HG	1:83:B:ALA:HB3	20	0.68	0.04	0.68
(1,573)	1:9:A:LEU:HG	1:83:B:ALA:HB2	20	0.68	0.04	0.68
(1,2510)	1:42:B:LEU:H	1:82:B:ILE:HD12	20	0.67	0.18	0.69
(1,2510)	1:42:B:LEU:H	1:82:B:ILE:HD13	20	0.67	0.18	0.69
(1,2510)	1:42:B:LEU:H	1:82:B:ILE:HD11	20	0.67	0.18	0.69
(1,574)	1:9:B:LEU:HG	1:83:A:ALA:HB1	20	0.67	0.04	0.68
(1,574)	1:9:B:LEU:HG	1:83:A:ALA:HB3	20	0.67	0.04	0.68
(1,574)	1:9:B:LEU:HG	1:83:A:ALA:HB2	20	0.67	0.04	0.68
(1,89)	1:54:A:ALA:HB2	1:52:A:GLU:HB2	20	0.67	0.07	0.68
(1,89)	1:54:A:ALA:HB3	1:52:A:GLU:HB2	20	0.67	0.07	0.68
(1,89)	1:54:A:ALA:HB1	1:52:A:GLU:HB2	20	0.67	0.07	0.68
(1,2509)	1:42:A:LEU:H	1:82:A:ILE:HD12	20	0.67	0.17	0.69
(1,2509)	1:42:A:LEU:H	1:82:A:ILE:HD13	20	0.67	0.17	0.69
(1,2509)	1:42:A:LEU:H	1:82:A:ILE:HD11	20	0.67	0.17	0.69
(1,3122)	1:73:B:GLN:HE22	1:73:B:GLN:HA	20	0.67	0.09	0.69
(1,3121)	1:73:A:GLN:HE22	1:73:A:GLN:HA	20	0.67	0.09	0.69
(1,90)	1:54:B:ALA:HB2	1:52:B:GLU:HB2	20	0.67	0.07	0.67
(1,90)	1:54:B:ALA:HB3	1:52:B:GLU:HB2	20	0.67	0.07	0.67
(1,90)	1:54:B:ALA:HB1	1:52:B:GLU:HB2	20	0.67	0.07	0.67
(2,45)	1:59:A:MET:HG3	1:66:A:ARG:HD2	20	0.67	0.41	0.76
(2,46)	1:59:B:MET:HG3	1:66:B:ARG:HD2	20	0.67	0.41	0.76
(1,3073)	1:60:A:SER:H	1:62:A:LEU:HD12	20	0.67	0.08	0.68
(1,3073)	1:60:A:SER:H	1:62:A:LEU:HD13	20	0.67	0.08	0.68
(1,3073)	1:60:A:SER:H	1:62:A:LEU:HD11	20	0.67	0.08	0.68
(1,3074)	1:60:B:SER:H	1:62:B:LEU:HD12	20	0.67	0.08	0.68
(1,3074)	1:60:B:SER:H	1:62:B:LEU:HD13	20	0.67	0.08	0.68
(1,3074)	1:60:B:SER:H	1:62:B:LEU:HD11	20	0.67	0.08	0.68
(1,4355)	1:79:A:LEU:H	1:82:A:ILE:HG13	20	0.67	0.1	0.67
(1,4356)	1:79:B:LEU:H	1:82:B:ILE:HG13	20	0.66	0.1	0.66
(1,2040)	1:43:B:PRO:HA	1:46:B:LEU:HD11	20	0.66	0.16	0.58
(1,2040)	1:43:B:PRO:HA	1:46:B:LEU:HD12	20	0.66	0.16	0.58
(1,2040)	1:43:B:PRO:HA	1:46:B:LEU:HD13	20	0.66	0.16	0.58
(1,2039)	1:43:A:PRO:HA	1:46:A:LEU:HD11	20	0.66	0.16	0.58

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2039)	1:43:A:PRO:HA	1:46:A:LEU:HD12	20	0.66	0.16	0.58
(1,2039)	1:43:A:PRO:HA	1:46:A:LEU:HD13	20	0.66	0.16	0.58
(1,4457)	1:68:A:ASN:H	1:66:A:ARG:HB2	20	0.66	0.12	0.68
(1,4458)	1:68:B:ASN:H	1:66:B:ARG:HB2	20	0.66	0.12	0.68
(1,4433)	1:38:A:LEU:H	1:55:A:PHE:HB3	20	0.66	0.22	0.7
(1,4434)	1:38:B:LEU:H	1:55:B:PHE:HB3	20	0.66	0.22	0.7
(1,4361)	1:9:A:LEU:H	1:11:A:VAL:HB	20	0.66	0.05	0.64
(1,4361)	1:9:A:LEU:H	1:12:A:MET:HB3	20	0.66	0.05	0.64
(1,4362)	1:9:B:LEU:H	1:11:B:VAL:HB	20	0.66	0.05	0.64
(1,4362)	1:9:B:LEU:H	1:12:B:MET:HB3	20	0.66	0.05	0.64
(1,3633)	1:43:A:PRO:HB3	1:7:B:LYS:HG3	20	0.65	0.15	0.66
(1,3633)	1:43:A:PRO:HB3	1:46:A:LEU:HB2	20	0.65	0.15	0.66
(1,3589)	1:100:A:LYS:HD2	1:100:A:LYS:HD3	20	0.65	0.0	0.65
(1,3589)	1:7:A:LYS:HD2	1:7:A:LYS:HD3	20	0.65	0.0	0.65
(1,3589)	1:96:A:LYS:HD2	1:96:A:LYS:HD3	20	0.65	0.0	0.65
(1,3589)	1:57:A:LYS:HD2	1:57:A:LYS:HD3	20	0.65	0.0	0.65
(1,3590)	1:100:B:LYS:HD2	1:100:B:LYS:HD3	20	0.65	0.0	0.65
(1,3590)	1:7:B:LYS:HD2	1:7:B:LYS:HD3	20	0.65	0.0	0.65
(1,3590)	1:96:B:LYS:HD2	1:96:B:LYS:HD3	20	0.65	0.0	0.65
(1,3590)	1:57:B:LYS:HD2	1:57:B:LYS:HD3	20	0.65	0.0	0.65
(1,3634)	1:43:B:PRO:HB3	1:7:A:LYS:HG3	20	0.65	0.15	0.64
(1,3634)	1:43:B:PRO:HB3	1:46:B:LEU:HB2	20	0.65	0.15	0.64
(1,2372)	1:11:B:VAL:H	1:8:B:ALA:HB1	20	0.64	0.06	0.62
(1,2372)	1:11:B:VAL:H	1:8:B:ALA:HB3	20	0.64	0.06	0.62
(1,2372)	1:11:B:VAL:H	1:8:B:ALA:HB2	20	0.64	0.06	0.62
(1,2371)	1:11:A:VAL:H	1:8:A:ALA:HB1	20	0.64	0.06	0.62
(1,2371)	1:11:A:VAL:H	1:8:A:ALA:HB3	20	0.64	0.06	0.62
(1,2371)	1:11:A:VAL:H	1:8:A:ALA:HB2	20	0.64	0.06	0.62
(1,2518)	1:58:B:LEU:H	1:62:B:LEU:HD13	20	0.64	0.07	0.63
(1,2518)	1:58:B:LEU:H	1:62:B:LEU:HD11	20	0.64	0.07	0.63
(1,2518)	1:58:B:LEU:H	1:62:B:LEU:HD12	20	0.64	0.07	0.63
(1,2517)	1:58:A:LEU:H	1:62:A:LEU:HD13	20	0.64	0.07	0.63
(1,2517)	1:58:A:LEU:H	1:62:A:LEU:HD11	20	0.64	0.07	0.63
(1,2517)	1:58:A:LEU:H	1:62:A:LEU:HD12	20	0.64	0.07	0.63
(1,1338)	1:71:B:ASP:HB2	1:75:B:TYR:HB3	20	0.64	0.18	0.68
(1,1338)	1:71:B:ASP:HB2	1:75:B:TYR:HB2	20	0.64	0.18	0.68
(1,1337)	1:71:A:ASP:HB2	1:75:A:TYR:HB3	20	0.64	0.18	0.67
(1,1337)	1:71:A:ASP:HB2	1:75:A:TYR:HB2	20	0.64	0.18	0.67
(1,4167)	1:76:A:SER:HB2	1:79:A:LEU:HB3	20	0.64	0.23	0.69
(1,4167)	1:76:A:SER:HB3	1:79:A:LEU:HB3	20	0.64	0.23	0.69
(1,2923)	1:66:A:ARG:H	1:66:A:ARG:HB3	20	0.63	0.03	0.63
(1,2924)	1:66:B:ARG:H	1:66:B:ARG:HB3	20	0.63	0.03	0.63

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4421)	1:35:A:LYS:H	1:59:A:MET:HB2	20	0.63	0.13	0.64
(1,4421)	1:46:A:LEU:H	1:7:B:LYS:HD2	20	0.63	0.13	0.64
(1,4422)	1:35:B:LYS:H	1:59:B:MET:HB2	20	0.63	0.13	0.64
(1,4422)	1:46:B:LEU:H	1:7:A:LYS:HD2	20	0.63	0.13	0.64
(1,3635)	1:33:A:GLU:HB3	1:34:A:LEU:HB2	20	0.63	0.31	0.54
(1,3636)	1:33:B:GLU:HB3	1:34:B:LEU:HB2	20	0.63	0.31	0.54
(1,1653)	1:83:A:ALA:HA	1:82:A:ILE:HD11	20	0.62	0.11	0.66
(1,1653)	1:83:A:ALA:HA	1:82:A:ILE:HD12	20	0.62	0.11	0.66
(1,1653)	1:83:A:ALA:HA	1:82:A:ILE:HD13	20	0.62	0.11	0.66
(1,1654)	1:83:B:ALA:HA	1:82:B:ILE:HD11	20	0.62	0.11	0.66
(1,1654)	1:83:B:ALA:HA	1:82:B:ILE:HD12	20	0.62	0.11	0.66
(1,1654)	1:83:B:ALA:HA	1:82:B:ILE:HD13	20	0.62	0.11	0.66
(1,2073)	1:15:A:THR:HA	1:5:B:LEU:HD23	20	0.62	0.11	0.6
(1,2073)	1:15:A:THR:HA	1:5:B:LEU:HD22	20	0.62	0.11	0.6
(1,2073)	1:15:A:THR:HA	1:5:B:LEU:HD21	20	0.62	0.11	0.6
(1,2074)	1:15:B:THR:HA	1:5:A:LEU:HD23	20	0.62	0.11	0.6
(1,2074)	1:15:B:THR:HA	1:5:A:LEU:HD22	20	0.62	0.11	0.6
(1,2074)	1:15:B:THR:HA	1:5:A:LEU:HD21	20	0.62	0.11	0.6
(1,1081)	1:33:A:GLU:HG2	1:29:A:LEU:HB2	20	0.62	0.38	0.5
(1,1081)	1:33:A:GLU:HG3	1:29:A:LEU:HB2	20	0.62	0.38	0.5
(1,1082)	1:33:B:GLU:HG2	1:29:B:LEU:HB2	20	0.62	0.38	0.5
(1,1082)	1:33:B:GLU:HG3	1:29:B:LEU:HB2	20	0.62	0.38	0.5
(1,3593)	1:57:A:LYS:HG3	1:57:A:LYS:HD2	20	0.61	0.03	0.62
(1,3593)	1:96:A:LYS:HG3	1:96:A:LYS:HD2	20	0.61	0.03	0.62
(1,3593)	1:48:A:LYS:HG2	1:48:A:LYS:HD3	20	0.61	0.03	0.62
(1,3593)	1:57:A:LYS:HG2	1:57:A:LYS:HD3	20	0.61	0.03	0.62
(1,3594)	1:57:B:LYS:HG3	1:57:B:LYS:HD2	20	0.61	0.03	0.62
(1,3594)	1:96:B:LYS:HG3	1:96:B:LYS:HD2	20	0.61	0.03	0.62
(1,3594)	1:48:B:LYS:HG2	1:48:B:LYS:HD3	20	0.61	0.03	0.62
(1,3594)	1:57:B:LYS:HG2	1:57:B:LYS:HD3	20	0.61	0.03	0.62
(1,4501)	1:87:A:ASN:HD21	1:86:A:SER:HA	20	0.61	0.18	0.66
(1,4501)	1:87:A:ASN:HD21	1:89:A:PHE:HA	20	0.61	0.18	0.66
(1,4502)	1:87:B:ASN:HD21	1:86:B:SER:HA	20	0.61	0.18	0.66
(1,4502)	1:87:B:ASN:HD21	1:89:B:PHE:HA	20	0.61	0.18	0.66
(1,3311)	1:82:A:ILE:HD13	1:10:B:ASP:HB2	20	0.61	0.2	0.6
(1,3311)	1:82:A:ILE:HD11	1:10:B:ASP:HB2	20	0.61	0.2	0.6
(1,3311)	1:82:A:ILE:HD12	1:10:B:ASP:HB2	20	0.61	0.2	0.6
(1,4003)	1:59:A:MET:H	1:61:A:ASN:HA	20	0.61	0.11	0.62
(1,4003)	1:61:A:ASN:HA	1:64:A:SER:H	20	0.61	0.11	0.62
(1,4004)	1:59:B:MET:H	1:61:B:ASN:HA	20	0.61	0.11	0.63
(1,4004)	1:61:B:ASN:HA	1:64:B:SER:H	20	0.61	0.11	0.63
(1,3312)	1:82:B:ILE:HD13	1:10:A:ASP:HB2	20	0.61	0.21	0.6

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3312)	1:82:B:ILE:HD11	1:10:A:ASP:HB2	20	0.61	0.21	0.6
(1,3312)	1:82:B:ILE:HD12	1:10:A:ASP:HB2	20	0.61	0.21	0.6
(2,275)	1:20:A:SER:H	1:29:A:LEU:HB2	20	0.61	0.08	0.6
(2,276)	1:20:B:SER:H	1:29:B:LEU:HB2	20	0.61	0.08	0.6
(1,4409)	1:61:A:ASN:H	1:58:A:LEU:HD11	20	0.6	0.08	0.58
(1,4409)	1:61:A:ASN:H	1:58:A:LEU:HD13	20	0.6	0.08	0.58
(1,4409)	1:61:A:ASN:H	1:58:A:LEU:HD12	20	0.6	0.08	0.58
(1,4410)	1:61:B:ASN:H	1:58:B:LEU:HD11	20	0.6	0.08	0.58
(1,4410)	1:61:B:ASN:H	1:58:B:LEU:HD13	20	0.6	0.08	0.58
(1,4410)	1:61:B:ASN:H	1:58:B:LEU:HD12	20	0.6	0.08	0.58
(1,3575)	1:88:A:GLU:HB2	1:90:A:PHE:HB3	20	0.6	0.19	0.62
(1,3575)	1:88:A:GLU:HB2	1:101:A:LYS:HE3	20	0.6	0.19	0.62
(1,3575)	1:88:A:GLU:HB2	1:90:A:PHE:HB2	20	0.6	0.19	0.62
(1,3576)	1:88:B:GLU:HB2	1:90:B:PHE:HB3	20	0.6	0.19	0.62
(1,3576)	1:88:B:GLU:HB2	1:101:B:LYS:HE3	20	0.6	0.19	0.62
(1,3576)	1:88:B:GLU:HB2	1:90:B:PHE:HB2	20	0.6	0.19	0.62
(1,1447)	1:29:A:LEU:HB2	1:33:A:GLU:HB3	20	0.59	0.41	0.45
(1,1448)	1:29:B:LEU:HB2	1:33:B:GLU:HB3	20	0.59	0.41	0.45
(1,17)	1:39:A:THR:HB	1:40:A:ARG:HG2	20	0.59	0.11	0.61
(1,584)	1:29:B:LEU:HD22	1:33:B:GLU:H	20	0.59	0.06	0.59
(1,584)	1:29:B:LEU:HD21	1:33:B:GLU:H	20	0.59	0.06	0.59
(1,584)	1:29:B:LEU:HD23	1:33:B:GLU:H	20	0.59	0.06	0.59
(1,18)	1:39:B:THR:HB	1:40:B:ARG:HG2	20	0.59	0.11	0.61
(1,583)	1:29:A:LEU:HD22	1:33:A:GLU:H	20	0.59	0.06	0.59
(1,583)	1:29:A:LEU:HD21	1:33:A:GLU:H	20	0.59	0.06	0.59
(1,583)	1:29:A:LEU:HD23	1:33:A:GLU:H	20	0.59	0.06	0.59
(1,3392)	1:68:B:ASN:HD21	1:70:B:VAL:HG23	20	0.58	0.28	0.51
(1,3392)	1:68:B:ASN:HD21	1:70:B:VAL:HG21	20	0.58	0.28	0.51
(1,3392)	1:68:B:ASN:HD21	1:70:B:VAL:HG22	20	0.58	0.28	0.51
(1,8)	1:79:B:LEU:HD11	1:9:A:LEU:HD23	20	0.58	0.17	0.56
(1,8)	1:79:B:LEU:HD12	1:9:A:LEU:HD21	20	0.58	0.17	0.56
(1,8)	1:79:B:LEU:HD12	1:9:A:LEU:HD23	20	0.58	0.17	0.56
(1,8)	1:79:B:LEU:HD13	1:9:A:LEU:HD21	20	0.58	0.17	0.56
(1,8)	1:79:B:LEU:HD13	1:9:A:LEU:HD23	20	0.58	0.17	0.56
(1,8)	1:79:B:LEU:HD11	1:9:A:LEU:HD21	20	0.58	0.17	0.56
(1,8)	1:79:B:LEU:HD13	1:9:A:LEU:HD22	20	0.58	0.17	0.56
(1,8)	1:79:B:LEU:HD11	1:9:A:LEU:HD22	20	0.58	0.17	0.56
(1,3391)	1:68:A:ASN:HD21	1:70:A:VAL:HG23	20	0.58	0.28	0.51
(1,3391)	1:68:A:ASN:HD21	1:70:A:VAL:HG21	20	0.58	0.28	0.51
(1,3391)	1:68:A:ASN:HD21	1:70:A:VAL:HG22	20	0.58	0.28	0.51
(1,3816)	1:79:B:LEU:HB3	1:6:A:GLU:HA	20	0.58	0.18	0.56
(1,3816)	1:79:B:LEU:HB3	1:80:B:SER:HB3	20	0.58	0.18	0.56

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3816)	1:79:B:LEU:HB3	1:80:B:SER:HB2	20	0.58	0.18	0.56
(1,7)	1:79:A:LEU:HD11	1:9:B:LEU:HD23	20	0.58	0.16	0.55
(1,7)	1:79:A:LEU:HD12	1:9:B:LEU:HD21	20	0.58	0.16	0.55
(1,7)	1:79:A:LEU:HD12	1:9:B:LEU:HD23	20	0.58	0.16	0.55
(1,7)	1:79:A:LEU:HD13	1:9:B:LEU:HD21	20	0.58	0.16	0.55
(1,7)	1:79:A:LEU:HD13	1:9:B:LEU:HD23	20	0.58	0.16	0.55
(1,7)	1:79:A:LEU:HD11	1:9:B:LEU:HD21	20	0.58	0.16	0.55
(1,7)	1:79:A:LEU:HD13	1:9:B:LEU:HD22	20	0.58	0.16	0.55
(1,7)	1:79:A:LEU:HD11	1:9:B:LEU:HD22	20	0.58	0.16	0.55
(1,3815)	1:79:A:LEU:HB3	1:6:B:GLU:HA	20	0.58	0.18	0.56
(1,3815)	1:79:A:LEU:HB3	1:80:A:SER:HB3	20	0.58	0.18	0.56
(1,3815)	1:79:A:LEU:HB3	1:80:A:SER:HB2	20	0.58	0.18	0.56
(1,4526)	1:68:B:ASN:HD21	1:56:B:GLN:HA	20	0.58	0.12	0.55
(1,4525)	1:68:A:ASN:HD21	1:56:A:GLN:HA	20	0.58	0.12	0.54
(1,2622)	1:55:B:PHE:H	1:50:B:THR:HG22	20	0.57	0.11	0.56
(1,2622)	1:55:B:PHE:H	1:50:B:THR:HG23	20	0.57	0.11	0.56
(1,2622)	1:55:B:PHE:H	1:50:B:THR:HG21	20	0.57	0.11	0.56
(1,2621)	1:55:A:PHE:H	1:50:A:THR:HG22	20	0.57	0.11	0.55
(1,2621)	1:55:A:PHE:H	1:50:A:THR:HG23	20	0.57	0.11	0.55
(1,2621)	1:55:A:PHE:H	1:50:A:THR:HG21	20	0.57	0.11	0.55
(1,3404)	1:77:B:VAL:HG23	1:83:A:ALA:HB3	20	0.57	0.14	0.58
(1,3404)	1:77:B:VAL:HG23	1:62:B:LEU:HB3	20	0.57	0.14	0.58
(1,3404)	1:77:B:VAL:HG22	1:83:A:ALA:HB2	20	0.57	0.14	0.58
(1,3404)	1:77:B:VAL:HG21	1:62:B:LEU:HB3	20	0.57	0.14	0.58
(1,3404)	1:77:B:VAL:HG22	1:83:A:ALA:HB1	20	0.57	0.14	0.58
(1,3404)	1:77:B:VAL:HG22	1:62:B:LEU:HB3	20	0.57	0.14	0.58
(1,3403)	1:77:A:VAL:HG23	1:83:B:ALA:HB3	20	0.56	0.15	0.56
(1,3403)	1:77:A:VAL:HG23	1:62:A:LEU:HB3	20	0.56	0.15	0.56
(1,3403)	1:77:A:VAL:HG22	1:83:B:ALA:HB2	20	0.56	0.15	0.56
(1,3403)	1:77:A:VAL:HG21	1:62:A:LEU:HB3	20	0.56	0.15	0.56
(1,3403)	1:77:A:VAL:HG22	1:83:B:ALA:HB1	20	0.56	0.15	0.56
(1,3403)	1:77:A:VAL:HG22	1:62:A:LEU:HB3	20	0.56	0.15	0.56
(2,67)	1:59:A:MET:HB3	1:34:A:LEU:HB3	20	0.55	0.4	0.44
(2,68)	1:59:B:MET:HB3	1:34:B:LEU:HB3	20	0.55	0.4	0.44
(1,3046)	1:41:B:GLU:H	1:29:B:LEU:HD13	20	0.55	0.21	0.55
(1,3046)	1:41:B:GLU:H	1:29:B:LEU:HD11	20	0.55	0.21	0.55
(1,3046)	1:41:B:GLU:H	1:29:B:LEU:HD12	20	0.55	0.21	0.55
(1,3045)	1:41:A:GLU:H	1:29:A:LEU:HD13	20	0.55	0.21	0.55
(1,3045)	1:41:A:GLU:H	1:29:A:LEU:HD11	20	0.55	0.21	0.55
(1,3045)	1:41:A:GLU:H	1:29:A:LEU:HD12	20	0.55	0.21	0.55
(1,1580)	1:29:B:LEU:HD13	1:29:B:LEU:HA	20	0.55	0.02	0.56
(1,1580)	1:29:B:LEU:HD12	1:29:B:LEU:HA	20	0.55	0.02	0.56

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1580)	1:29:B:LEU:HD11	1:29:B:LEU:HA	20	0.55	0.02	0.56
(1,2393)	1:18:A:LYS:H	1:37:A:LEU:HD12	20	0.55	0.15	0.54
(1,2393)	1:18:A:LYS:H	1:37:A:LEU:HD13	20	0.55	0.15	0.54
(1,2393)	1:18:A:LYS:H	1:37:A:LEU:HD11	20	0.55	0.15	0.54
(1,2394)	1:18:B:LYS:H	1:37:B:LEU:HD12	20	0.55	0.15	0.54
(1,2394)	1:18:B:LYS:H	1:37:B:LEU:HD13	20	0.55	0.15	0.54
(1,2394)	1:18:B:LYS:H	1:37:B:LEU:HD11	20	0.55	0.15	0.54
(1,1579)	1:29:A:LEU:HD13	1:29:A:LEU:HA	20	0.55	0.02	0.55
(1,1579)	1:29:A:LEU:HD12	1:29:A:LEU:HA	20	0.55	0.02	0.55
(1,1579)	1:29:A:LEU:HD11	1:29:A:LEU:HA	20	0.55	0.02	0.55
(1,3977)	1:29:A:LEU:HA	1:31:A:LYS:HA	20	0.54	0.06	0.55
(1,3978)	1:29:B:LEU:HA	1:31:B:LYS:HA	20	0.54	0.06	0.55
(1,2649)	1:10:A:ASP:H	1:82:B:ILE:HD11	20	0.54	0.14	0.48
(1,2649)	1:10:A:ASP:H	1:82:B:ILE:HD12	20	0.54	0.14	0.48
(1,2649)	1:10:A:ASP:H	1:82:B:ILE:HD13	20	0.54	0.14	0.48
(1,2650)	1:10:B:ASP:H	1:82:A:ILE:HD11	20	0.53	0.14	0.48
(1,2650)	1:10:B:ASP:H	1:82:A:ILE:HD12	20	0.53	0.14	0.48
(1,2650)	1:10:B:ASP:H	1:82:A:ILE:HD13	20	0.53	0.14	0.48
(1,3714)	1:69:B:GLU:HB2	1:70:B:VAL:HG23	20	0.53	0.05	0.54
(1,3714)	1:69:B:GLU:HB2	1:70:B:VAL:HG21	20	0.53	0.05	0.54
(1,3714)	1:69:B:GLU:HB2	1:70:B:VAL:HG22	20	0.53	0.05	0.54
(1,3713)	1:69:A:GLU:HB2	1:70:A:VAL:HG23	20	0.53	0.05	0.54
(1,3713)	1:69:A:GLU:HB2	1:70:A:VAL:HG21	20	0.53	0.05	0.54
(1,3713)	1:69:A:GLU:HB2	1:70:A:VAL:HG22	20	0.53	0.05	0.54
(1,4560)	1:73:B:GLN:HE21	1:78:B:PHE:HB2	20	0.52	0.09	0.53
(1,4560)	1:73:B:GLN:HE21	1:65:B:ASN:HB3	20	0.52	0.09	0.53
(1,4559)	1:73:A:GLN:HE21	1:78:A:PHE:HB2	20	0.52	0.09	0.53
(1,4559)	1:73:A:GLN:HE21	1:65:A:ASN:HB3	20	0.52	0.09	0.53
(1,4384)	1:76:B:SER:H	1:83:A:ALA:HB2	20	0.52	0.13	0.5
(1,4384)	1:76:B:SER:H	1:83:A:ALA:HB3	20	0.52	0.13	0.5
(1,4384)	1:76:B:SER:H	1:83:A:ALA:HB1	20	0.52	0.13	0.5
(1,4384)	1:76:B:SER:H	1:62:B:LEU:HB3	20	0.52	0.13	0.5
(1,3438)	1:39:B:THR:H	1:46:B:LEU:HD11	20	0.52	0.03	0.52
(1,3438)	1:39:B:THR:H	1:46:B:LEU:HD12	20	0.52	0.03	0.52
(1,3438)	1:39:B:THR:H	1:46:B:LEU:HD13	20	0.52	0.03	0.52
(1,2316)	1:78:B:PHE:H	1:84:A:MET:HG2	20	0.52	0.08	0.53
(1,4383)	1:76:A:SER:H	1:83:B:ALA:HB2	20	0.52	0.13	0.5
(1,4383)	1:76:A:SER:H	1:83:B:ALA:HB3	20	0.52	0.13	0.5
(1,4383)	1:76:A:SER:H	1:83:B:ALA:HB1	20	0.52	0.13	0.5
(1,4383)	1:76:A:SER:H	1:62:A:LEU:HB3	20	0.52	0.13	0.5
(1,3437)	1:39:A:THR:H	1:46:A:LEU:HD11	20	0.52	0.04	0.52
(1,3437)	1:39:A:THR:H	1:46:A:LEU:HD12	20	0.52	0.04	0.52

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3437)	1:39:A:THR:H	1:46:A:LEU:HD13	20	0.52	0.04	0.52
(1,2315)	1:78:A:PHE:H	1:84:B:MET:HG2	20	0.52	0.09	0.52
(1,3461)	1:29:A:LEU:HD11	1:69:A:GLU:HA	20	0.51	0.12	0.5
(1,3461)	1:29:A:LEU:HD12	1:69:A:GLU:HA	20	0.51	0.12	0.5
(1,3461)	1:29:A:LEU:HD13	1:69:A:GLU:HA	20	0.51	0.12	0.5
(1,3462)	1:29:B:LEU:HD11	1:69:B:GLU:HA	20	0.51	0.12	0.5
(1,3462)	1:29:B:LEU:HD12	1:69:B:GLU:HA	20	0.51	0.12	0.5
(1,3462)	1:29:B:LEU:HD13	1:69:B:GLU:HA	20	0.51	0.12	0.5
(1,3539)	1:29:A:LEU:HD22	1:22:A:LYS:H	20	0.5	0.09	0.5
(1,3539)	1:29:A:LEU:HD23	1:22:A:LYS:H	20	0.5	0.09	0.5
(1,3539)	1:29:A:LEU:HD21	1:22:A:LYS:H	20	0.5	0.09	0.5
(1,613)	1:29:A:LEU:HD21	1:22:A:LYS:HD3	20	0.5	0.13	0.5
(1,613)	1:29:A:LEU:HD23	1:22:A:LYS:HD3	20	0.5	0.13	0.5
(1,613)	1:29:A:LEU:HD22	1:22:A:LYS:HD3	20	0.5	0.13	0.5
(1,613)	1:29:A:LEU:HD23	1:22:A:LYS:HD2	20	0.5	0.13	0.5
(1,614)	1:29:B:LEU:HD21	1:22:B:LYS:HD3	20	0.5	0.13	0.5
(1,614)	1:29:B:LEU:HD23	1:22:B:LYS:HD3	20	0.5	0.13	0.5
(1,614)	1:29:B:LEU:HD22	1:22:B:LYS:HD3	20	0.5	0.13	0.5
(1,614)	1:29:B:LEU:HD23	1:22:B:LYS:HD2	20	0.5	0.13	0.5
(1,3540)	1:29:B:LEU:HD22	1:22:B:LYS:H	20	0.5	0.09	0.5
(1,3540)	1:29:B:LEU:HD23	1:22:B:LYS:H	20	0.5	0.09	0.5
(1,3540)	1:29:B:LEU:HD21	1:22:B:LYS:H	20	0.5	0.09	0.5
(1,4008)	1:69:B:GLU:HG2	1:28:B:LYS:HA	20	0.5	0.12	0.48
(1,4007)	1:69:A:GLU:HG2	1:28:A:LYS:HA	20	0.5	0.12	0.48
(1,3562)	1:56:B:GLN:HB3	1:53:B:ALA:HB1	20	0.49	0.21	0.52
(1,3562)	1:56:B:GLN:HB3	1:53:B:ALA:HB3	20	0.49	0.21	0.52
(1,3562)	1:56:B:GLN:HB3	1:53:B:ALA:HB2	20	0.49	0.21	0.52
(1,3561)	1:56:A:GLN:HB3	1:53:A:ALA:HB1	20	0.49	0.21	0.52
(1,3561)	1:56:A:GLN:HB3	1:53:A:ALA:HB3	20	0.49	0.21	0.52
(1,3561)	1:56:A:GLN:HB3	1:53:A:ALA:HB2	20	0.49	0.21	0.52
(1,4316)	1:74:B:GLU:H	1:70:B:VAL:HG21	20	0.49	0.1	0.48
(1,4316)	1:74:B:GLU:H	1:70:B:VAL:HG22	20	0.49	0.1	0.48
(1,4316)	1:74:B:GLU:H	1:70:B:VAL:HG23	20	0.49	0.1	0.48
(1,4315)	1:74:A:GLU:H	1:70:A:VAL:HG21	20	0.49	0.1	0.48
(1,4315)	1:74:A:GLU:H	1:70:A:VAL:HG22	20	0.49	0.1	0.48
(1,4315)	1:74:A:GLU:H	1:70:A:VAL:HG23	20	0.49	0.1	0.48
(1,4117)	1:64:A:SER:HA	1:60:A:SER:HB2	20	0.49	0.18	0.52
(1,4117)	1:44:A:SER:HA	1:46:A:LEU:HA	20	0.49	0.18	0.52
(1,4117)	1:64:A:SER:HA	1:60:A:SER:HB3	20	0.49	0.18	0.52
(1,4118)	1:64:B:SER:HA	1:60:B:SER:HB2	20	0.49	0.18	0.53
(1,4118)	1:44:B:SER:HA	1:46:B:LEU:HA	20	0.49	0.18	0.53
(1,4118)	1:64:B:SER:HA	1:60:B:SER:HB3	20	0.49	0.18	0.53

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2818)	1:40:B:ARG:H	1:39:B:THR:HG23	20	0.48	0.03	0.48
(1,2818)	1:40:B:ARG:H	1:39:B:THR:HG21	20	0.48	0.03	0.48
(1,2818)	1:40:B:ARG:H	1:39:B:THR:HG22	20	0.48	0.03	0.48
(1,2817)	1:40:A:ARG:H	1:39:A:THR:HG23	20	0.48	0.03	0.48
(1,2817)	1:40:A:ARG:H	1:39:A:THR:HG21	20	0.48	0.03	0.48
(1,2817)	1:40:A:ARG:H	1:39:A:THR:HG22	20	0.48	0.03	0.48
(1,4084)	1:74:B:GLU:HA	1:78:B:PHE:HA	20	0.48	0.13	0.5
(1,4084)	1:61:B:ASN:HA	1:57:B:LYS:HA	20	0.48	0.13	0.5
(1,4083)	1:74:A:GLU:HA	1:78:A:PHE:HA	20	0.48	0.13	0.5
(1,4083)	1:61:A:ASN:HA	1:57:A:LYS:HA	20	0.48	0.13	0.5
(1,4489)	1:17:A:HIS:H	1:13:A:VAL:HG23	20	0.47	0.09	0.49
(1,4489)	1:17:A:HIS:H	1:13:A:VAL:HG21	20	0.47	0.09	0.49
(1,4489)	1:17:A:HIS:H	1:13:A:VAL:HG22	20	0.47	0.09	0.49
(1,4490)	1:17:B:HIS:H	1:13:B:VAL:HG23	20	0.47	0.09	0.49
(1,4490)	1:17:B:HIS:H	1:13:B:VAL:HG21	20	0.47	0.09	0.49
(1,4490)	1:17:B:HIS:H	1:13:B:VAL:HG22	20	0.47	0.09	0.49
(1,635)	1:43:A:PRO:HG2	1:45:A:PHE:H	20	0.47	0.04	0.48
(1,4073)	1:40:A:ARG:HA	1:41:A:GLU:HB3	20	0.47	0.04	0.47
(1,4073)	1:41:A:GLU:HG3	1:40:A:ARG:HA	20	0.47	0.04	0.47
(1,4074)	1:40:B:ARG:HA	1:41:B:GLU:HB3	20	0.47	0.04	0.46
(1,4074)	1:41:B:GLU:HG3	1:40:B:ARG:HA	20	0.47	0.04	0.46
(1,636)	1:43:B:PRO:HG2	1:45:B:PHE:H	20	0.47	0.04	0.47
(1,4403)	1:15:A:THR:H	1:13:A:VAL:HB	20	0.46	0.05	0.47
(1,4403)	1:15:A:THR:H	1:12:A:MET:HB2	20	0.46	0.05	0.47
(1,4404)	1:15:B:THR:H	1:13:B:VAL:HB	20	0.46	0.05	0.47
(1,4404)	1:15:B:THR:H	1:12:B:MET:HB2	20	0.46	0.05	0.47
(1,4201)	1:39:A:THR:HB	1:36:A:GLU:HG2	20	0.45	0.07	0.45
(1,4366)	1:9:B:LEU:H	1:79:A:LEU:HD11	20	0.45	0.21	0.38
(1,4366)	1:9:B:LEU:H	1:79:A:LEU:HD12	20	0.45	0.21	0.38
(1,4366)	1:9:B:LEU:H	1:79:A:LEU:HD13	20	0.45	0.21	0.38
(1,4365)	1:9:A:LEU:H	1:79:B:LEU:HD11	20	0.45	0.21	0.38
(1,4365)	1:9:A:LEU:H	1:79:B:LEU:HD12	20	0.45	0.21	0.38
(1,4365)	1:9:A:LEU:H	1:79:B:LEU:HD13	20	0.45	0.21	0.38
(1,4202)	1:39:B:THR:HB	1:36:B:GLU:HG2	20	0.45	0.07	0.44
(1,4518)	1:20:B:SER:H	1:26:B:LYS:HD2	20	0.45	0.16	0.41
(1,4518)	1:20:B:SER:H	1:26:B:LYS:HD3	20	0.45	0.16	0.41
(1,4517)	1:20:A:SER:H	1:26:A:LYS:HD2	20	0.45	0.16	0.41
(1,4517)	1:20:A:SER:H	1:26:A:LYS:HD3	20	0.45	0.16	0.41
(1,3886)	1:7:B:LYS:HD3	1:7:B:LYS:HE2	20	0.45	0.07	0.44
(1,3886)	1:7:B:LYS:HD2	1:7:B:LYS:HE3	20	0.45	0.07	0.44
(1,3886)	1:7:B:LYS:HD2	1:7:B:LYS:HE2	20	0.45	0.07	0.44
(1,3886)	1:100:B:LYS:HD3	1:100:B:LYS:HE2	20	0.45	0.07	0.44

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3886)	1:100:B:LYS:HD2	1:100:B:LYS:HE3	20	0.45	0.07	0.44
(1,3885)	1:7:A:LYS:HD3	1:7:A:LYS:HE2	20	0.44	0.07	0.44
(1,3885)	1:7:A:LYS:HD2	1:7:A:LYS:HE3	20	0.44	0.07	0.44
(1,3885)	1:7:A:LYS:HD2	1:7:A:LYS:HE2	20	0.44	0.07	0.44
(1,3885)	1:100:A:LYS:HD3	1:100:A:LYS:HE2	20	0.44	0.07	0.44
(1,3885)	1:100:A:LYS:HD2	1:100:A:LYS:HE3	20	0.44	0.07	0.44
(1,3885)	1:7:A:LYS:HD3	1:7:A:LYS:HE3	20	0.44	0.07	0.44
(1,32)	1:82:B:ILE:HD13	1:45:B:PHE:HA	20	0.44	0.05	0.45
(1,32)	1:82:B:ILE:HD11	1:45:B:PHE:HA	20	0.44	0.05	0.45
(1,32)	1:82:B:ILE:HD12	1:45:B:PHE:HA	20	0.44	0.05	0.45
(1,158)	1:39:B:THR:HG23	1:35:B:LYS:HB3	20	0.44	0.04	0.45
(1,158)	1:39:B:THR:HG21	1:35:B:LYS:HB3	20	0.44	0.04	0.45
(1,158)	1:39:B:THR:HG22	1:35:B:LYS:HB3	20	0.44	0.04	0.45
(1,31)	1:82:A:ILE:HD13	1:45:A:PHE:HA	20	0.44	0.05	0.45
(1,31)	1:82:A:ILE:HD11	1:45:A:PHE:HA	20	0.44	0.05	0.45
(1,31)	1:82:A:ILE:HD12	1:45:A:PHE:HA	20	0.44	0.05	0.45
(1,3389)	1:10:A:ASP:H	1:11:A:VAL:HG22	20	0.44	0.03	0.44
(1,3389)	1:10:A:ASP:H	1:11:A:VAL:HG21	20	0.44	0.03	0.44
(1,3389)	1:10:A:ASP:H	1:11:A:VAL:HG23	20	0.44	0.03	0.44
(1,157)	1:39:A:THR:HG23	1:35:A:LYS:HB3	20	0.44	0.04	0.44
(1,157)	1:39:A:THR:HG21	1:35:A:LYS:HB3	20	0.44	0.04	0.44
(1,157)	1:39:A:THR:HG22	1:35:A:LYS:HB3	20	0.44	0.04	0.44
(1,3390)	1:10:B:ASP:H	1:11:B:VAL:HG22	20	0.44	0.03	0.44
(1,3390)	1:10:B:ASP:H	1:11:B:VAL:HG21	20	0.44	0.03	0.44
(1,3390)	1:10:B:ASP:H	1:11:B:VAL:HG23	20	0.44	0.03	0.44
(1,3949)	1:21:A:GLY:HA3	1:22:A:LYS:HD3	20	0.44	0.2	0.38
(1,3949)	1:21:A:GLY:HA3	1:18:A:LYS:HB2	20	0.44	0.2	0.38
(1,3950)	1:21:B:GLY:HA3	1:22:B:LYS:HD3	20	0.44	0.19	0.38
(1,3950)	1:21:B:GLY:HA3	1:18:B:LYS:HB2	20	0.44	0.19	0.38
(1,4358)	1:67:B:ASP:H	1:66:B:ARG:HB2	20	0.43	0.06	0.42
(1,4357)	1:67:A:ASP:H	1:66:A:ARG:HB2	20	0.43	0.06	0.42
(1,2415)	1:52:A:GLU:H	1:53:A:ALA:HB2	20	0.43	0.09	0.46
(1,2415)	1:52:A:GLU:H	1:53:A:ALA:HB1	20	0.43	0.09	0.46
(1,2415)	1:52:A:GLU:H	1:53:A:ALA:HB3	20	0.43	0.09	0.46
(1,2416)	1:52:B:GLU:H	1:53:B:ALA:HB2	20	0.43	0.1	0.46
(1,2416)	1:52:B:GLU:H	1:53:B:ALA:HB1	20	0.43	0.1	0.46
(1,2416)	1:52:B:GLU:H	1:53:B:ALA:HB3	20	0.43	0.1	0.46
(1,47)	1:86:A:SER:H	1:82:A:ILE:HG21	20	0.43	0.04	0.43
(1,47)	1:86:A:SER:H	1:82:A:ILE:HG22	20	0.43	0.04	0.43
(1,47)	1:86:A:SER:H	1:82:A:ILE:HG23	20	0.43	0.04	0.43
(1,48)	1:86:B:SER:H	1:82:B:ILE:HG21	20	0.43	0.04	0.44
(1,48)	1:86:B:SER:H	1:82:B:ILE:HG22	20	0.43	0.04	0.44

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,48)	1:86:B:SER:H	1:82:B:ILE:HG23	20	0.43	0.04	0.44
(1,1485)	1:42:A:LEU:HB3	1:41:A:GLU:HB3	20	0.43	0.16	0.45
(1,3264)	1:81:B:SER:H	1:82:B:ILE:HD11	20	0.42	0.11	0.42
(1,3264)	1:81:B:SER:H	1:82:B:ILE:HD12	20	0.42	0.11	0.42
(1,3264)	1:81:B:SER:H	1:82:B:ILE:HD13	20	0.42	0.11	0.42
(1,1486)	1:42:B:LEU:HB3	1:41:B:GLU:HB3	20	0.42	0.16	0.46
(1,3263)	1:81:A:SER:H	1:82:A:ILE:HD11	20	0.42	0.11	0.42
(1,3263)	1:81:A:SER:H	1:82:A:ILE:HD12	20	0.42	0.11	0.42
(1,3263)	1:81:A:SER:H	1:82:A:ILE:HD13	20	0.42	0.11	0.42
(1,3848)	1:9:B:LEU:HB2	1:79:A:LEU:HD11	20	0.42	0.22	0.38
(1,3848)	1:9:B:LEU:HB2	1:79:A:LEU:HD12	20	0.42	0.22	0.38
(1,3848)	1:9:B:LEU:HB2	1:79:A:LEU:HD13	20	0.42	0.22	0.38
(1,3847)	1:9:A:LEU:HB2	1:79:B:LEU:HD11	20	0.42	0.22	0.38
(1,3847)	1:9:A:LEU:HB2	1:79:B:LEU:HD12	20	0.42	0.22	0.38
(1,3847)	1:9:A:LEU:HB2	1:79:B:LEU:HD13	20	0.42	0.22	0.38
(2,169)	1:70:A:VAL:H	1:30:A:ASN:HB2	20	0.41	0.11	0.42
(2,170)	1:70:B:VAL:H	1:30:B:ASN:HB2	20	0.41	0.11	0.42
(1,2871)	1:14:A:SER:H	1:10:A:ASP:HB3	20	0.41	0.06	0.41
(1,2083)	1:39:A:THR:HB	1:43:A:PRO:HD3	20	0.41	0.05	0.4
(1,2872)	1:14:B:SER:H	1:10:B:ASP:HB3	20	0.41	0.06	0.4
(1,1451)	1:29:A:LEU:HB2	1:37:A:LEU:HB3	20	0.41	0.13	0.44
(1,2084)	1:39:B:THR:HB	1:43:B:PRO:HD3	20	0.41	0.05	0.4
(1,2646)	1:10:B:ASP:H	1:9:B:LEU:HB3	20	0.4	0.05	0.41
(1,1452)	1:29:B:LEU:HB2	1:37:B:LEU:HB3	20	0.4	0.14	0.44
(1,2645)	1:10:A:ASP:H	1:9:A:LEU:HB3	20	0.4	0.05	0.41
(1,4287)	1:45:A:PHE:H	1:82:A:ILE:HG22	20	0.4	0.17	0.38
(1,4287)	1:45:A:PHE:H	1:82:A:ILE:HG23	20	0.4	0.17	0.38
(1,4287)	1:45:A:PHE:H	1:82:A:ILE:HG21	20	0.4	0.17	0.38
(1,4288)	1:45:B:PHE:H	1:82:B:ILE:HG22	20	0.4	0.17	0.38
(1,4288)	1:45:B:PHE:H	1:82:B:ILE:HG23	20	0.4	0.17	0.38
(1,4288)	1:45:B:PHE:H	1:82:B:ILE:HG21	20	0.4	0.17	0.38
(1,4515)	1:20:A:SER:H	1:18:A:LYS:HB3	20	0.4	0.09	0.4
(1,3395)	1:11:A:VAL:HG22	1:10:A:ASP:HB3	20	0.4	0.06	0.41
(1,3395)	1:11:A:VAL:HG21	1:10:A:ASP:HB3	20	0.4	0.06	0.41
(1,3395)	1:11:A:VAL:HG23	1:10:A:ASP:HB3	20	0.4	0.06	0.41
(1,4516)	1:20:B:SER:H	1:18:B:LYS:HB3	20	0.4	0.09	0.4
(1,3396)	1:11:B:VAL:HG22	1:10:B:ASP:HB3	20	0.4	0.06	0.4
(1,3396)	1:11:B:VAL:HG21	1:10:B:ASP:HB3	20	0.4	0.06	0.4
(1,3396)	1:11:B:VAL:HG23	1:10:B:ASP:HB3	20	0.4	0.06	0.4
(1,11)	1:5:A:LEU:HD22	1:42:B:LEU:HG	20	0.39	0.15	0.41
(1,11)	1:5:A:LEU:HD21	1:42:B:LEU:HG	20	0.39	0.15	0.41
(1,11)	1:5:A:LEU:HD23	1:42:B:LEU:HG	20	0.39	0.15	0.41

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,5)	1:7:A:LYS:HD2	1:44:B:SER:HA	20	0.39	0.08	0.37
(1,6)	1:7:B:LYS:HD2	1:44:A:SER:HA	20	0.39	0.08	0.38
(1,12)	1:5:B:LEU:HD22	1:42:A:LEU:HG	20	0.39	0.15	0.41
(1,12)	1:5:B:LEU:HD21	1:42:A:LEU:HG	20	0.39	0.15	0.41
(1,12)	1:5:B:LEU:HD23	1:42:A:LEU:HG	20	0.39	0.15	0.41
(1,2075)	1:50:A:THR:HB	1:35:A:LYS:HE2	20	0.39	0.1	0.36
(1,2075)	1:50:A:THR:HB	1:35:A:LYS:HE3	20	0.39	0.1	0.36
(1,2076)	1:50:B:THR:HB	1:35:B:LYS:HE2	20	0.39	0.1	0.37
(1,2076)	1:50:B:THR:HB	1:35:B:LYS:HE3	20	0.39	0.1	0.37
(1,4166)	1:76:B:SER:HA	1:79:B:LEU:HB3	20	0.38	0.11	0.38
(1,4166)	1:76:B:SER:HA	1:83:A:ALA:HB2	20	0.38	0.11	0.38
(1,4166)	1:76:B:SER:HA	1:83:A:ALA:HB3	20	0.38	0.11	0.38
(1,4166)	1:76:B:SER:HA	1:83:A:ALA:HB1	20	0.38	0.11	0.38
(1,4165)	1:76:A:SER:HA	1:79:A:LEU:HB3	20	0.38	0.12	0.37
(1,4165)	1:76:A:SER:HA	1:83:B:ALA:HB2	20	0.38	0.12	0.37
(1,4165)	1:76:A:SER:HA	1:83:B:ALA:HB3	20	0.38	0.12	0.37
(1,4165)	1:76:A:SER:HA	1:83:B:ALA:HB1	20	0.38	0.12	0.37
(1,226)	1:71:B:ASP:H	1:70:B:VAL:HG21	20	0.37	0.06	0.38
(1,226)	1:71:B:ASP:H	1:70:B:VAL:HG22	20	0.37	0.06	0.38
(1,226)	1:71:B:ASP:H	1:70:B:VAL:HG23	20	0.37	0.06	0.38
(1,225)	1:71:A:ASP:H	1:70:A:VAL:HG21	20	0.37	0.06	0.38
(1,225)	1:71:A:ASP:H	1:70:A:VAL:HG22	20	0.37	0.06	0.38
(1,225)	1:71:A:ASP:H	1:70:A:VAL:HG23	20	0.37	0.06	0.38
(1,1077)	1:52:A:GLU:HG3	1:53:A:ALA:HB3	20	0.37	0.08	0.4
(1,1077)	1:52:A:GLU:HG3	1:53:A:ALA:HB2	20	0.37	0.08	0.4
(1,1077)	1:52:A:GLU:HG3	1:53:A:ALA:HB1	20	0.37	0.08	0.4
(1,1077)	1:52:A:GLU:HG2	1:53:A:ALA:HB1	20	0.37	0.08	0.4
(1,1078)	1:52:B:GLU:HG3	1:53:B:ALA:HB3	20	0.37	0.09	0.4
(1,1078)	1:52:B:GLU:HG3	1:53:B:ALA:HB2	20	0.37	0.09	0.4
(1,1078)	1:52:B:GLU:HG3	1:53:B:ALA:HB1	20	0.37	0.09	0.4
(1,1078)	1:52:B:GLU:HG2	1:53:B:ALA:HB1	20	0.37	0.09	0.4
(1,4062)	1:10:B:ASP:HA	1:82:A:ILE:HB	20	0.35	0.15	0.32
(1,4061)	1:10:A:ASP:HA	1:82:B:ILE:HB	20	0.35	0.15	0.32
(1,1313)	1:58:A:LEU:HB3	1:62:A:LEU:HD13	20	0.35	0.13	0.32
(1,1313)	1:58:A:LEU:HB3	1:62:A:LEU:HD11	20	0.35	0.13	0.32
(1,1313)	1:58:A:LEU:HB3	1:62:A:LEU:HD12	20	0.35	0.13	0.32
(1,1314)	1:58:B:LEU:HB3	1:62:B:LEU:HD13	20	0.35	0.13	0.32
(1,1314)	1:58:B:LEU:HB3	1:62:B:LEU:HD11	20	0.35	0.13	0.32
(1,1314)	1:58:B:LEU:HB3	1:62:B:LEU:HD12	20	0.35	0.13	0.32
(1,3692)	1:70:B:VAL:HB	1:71:B:ASP:HB3	20	0.34	0.09	0.33
(1,3691)	1:70:A:VAL:HB	1:71:A:ASP:HB3	20	0.34	0.09	0.33
(1,2213)	1:30:A:ASN:H	1:34:A:LEU:HD12	20	0.34	0.18	0.3

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2213)	1:30:A:ASN:H	1:34:A:LEU:HD11	20	0.34	0.18	0.3
(1,2213)	1:30:A:ASN:H	1:34:A:LEU:HD13	20	0.34	0.18	0.3
(1,2214)	1:30:B:ASN:H	1:34:B:LEU:HD12	20	0.33	0.18	0.29
(1,2214)	1:30:B:ASN:H	1:34:B:LEU:HD11	20	0.33	0.18	0.29
(1,2214)	1:30:B:ASN:H	1:34:B:LEU:HD13	20	0.33	0.18	0.29
(1,1042)	1:52:B:GLU:HG3	1:53:B:ALA:H	20	0.33	0.05	0.33
(1,1042)	1:52:B:GLU:HG2	1:53:B:ALA:H	20	0.33	0.05	0.33
(1,1041)	1:52:A:GLU:HG3	1:53:A:ALA:H	20	0.33	0.05	0.32
(1,1041)	1:52:A:GLU:HG2	1:53:A:ALA:H	20	0.33	0.05	0.32
(1,4438)	1:38:B:LEU:H	1:39:B:THR:HG23	20	0.32	0.1	0.32
(1,4438)	1:38:B:LEU:H	1:37:B:LEU:HG	20	0.32	0.1	0.32
(1,4438)	1:38:B:LEU:H	1:39:B:THR:HG22	20	0.32	0.1	0.32
(1,4438)	1:38:B:LEU:H	1:39:B:THR:HG21	20	0.32	0.1	0.32
(1,4437)	1:38:A:LEU:H	1:39:A:THR:HG23	20	0.32	0.1	0.32
(1,4437)	1:38:A:LEU:H	1:37:A:LEU:HG	20	0.32	0.1	0.32
(1,4437)	1:38:A:LEU:H	1:39:A:THR:HG22	20	0.32	0.1	0.32
(1,4437)	1:38:A:LEU:H	1:39:A:THR:HG21	20	0.32	0.1	0.32
(1,3584)	1:7:B:LYS:HD2	1:7:B:LYS:HB3	20	0.32	0.12	0.3
(1,3584)	1:7:B:LYS:HD3	1:7:B:LYS:HB3	20	0.32	0.12	0.3
(1,3584)	1:48:B:LYS:HD2	1:48:B:LYS:HB3	20	0.32	0.12	0.3
(1,3583)	1:7:A:LYS:HD2	1:7:A:LYS:HB3	20	0.32	0.12	0.3
(1,3583)	1:7:A:LYS:HD3	1:7:A:LYS:HB3	20	0.32	0.12	0.3
(1,3583)	1:48:A:LYS:HD2	1:48:A:LYS:HB3	20	0.32	0.12	0.3
(1,3658)	1:31:B:LYS:HB2	1:31:B:LYS:HB3	20	0.32	0.0	0.32
(1,3658)	1:57:B:LYS:HB2	1:57:B:LYS:HB3	20	0.32	0.0	0.32
(1,3658)	1:18:B:LYS:HB2	1:18:B:LYS:HB3	20	0.32	0.0	0.32
(1,3657)	1:31:A:LYS:HB2	1:31:A:LYS:HB3	20	0.32	0.0	0.32
(1,3657)	1:18:A:LYS:HB2	1:18:A:LYS:HB3	20	0.32	0.0	0.32
(1,3657)	1:57:A:LYS:HB2	1:57:A:LYS:HB3	20	0.32	0.0	0.32
(1,4247)	1:12:A:MET:H	1:11:A:VAL:HG12	20	0.31	0.02	0.32
(1,4247)	1:12:A:MET:H	1:11:A:VAL:HG13	20	0.31	0.02	0.32
(1,4247)	1:12:A:MET:H	1:11:A:VAL:HG11	20	0.31	0.02	0.32
(1,4248)	1:12:B:MET:H	1:11:B:VAL:HG12	20	0.31	0.02	0.32
(1,4248)	1:12:B:MET:H	1:11:B:VAL:HG13	20	0.31	0.02	0.32
(1,4248)	1:12:B:MET:H	1:11:B:VAL:HG11	20	0.31	0.02	0.32
(1,361)	1:58:A:LEU:HD11	1:58:A:LEU:HD13	20	0.31	0.0	0.31
(1,361)	1:58:A:LEU:HD12	1:58:A:LEU:HD13	20	0.31	0.0	0.31
(1,361)	1:58:A:LEU:HD12	1:58:A:LEU:HD11	20	0.31	0.0	0.31
(1,362)	1:58:B:LEU:HD11	1:58:B:LEU:HD13	20	0.31	0.0	0.31
(1,362)	1:58:B:LEU:HD12	1:58:B:LEU:HD13	20	0.31	0.0	0.31
(1,362)	1:58:B:LEU:HD12	1:58:B:LEU:HD11	20	0.31	0.0	0.31
(1,3502)	1:34:B:LEU:HD21	1:58:B:LEU:HB3	20	0.3	0.11	0.28

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3502)	1:34:B:LEU:HD23	1:58:B:LEU:HB3	20	0.3	0.11	0.28
(1,3502)	1:34:B:LEU:HD22	1:58:B:LEU:HB3	20	0.3	0.11	0.28
(1,3501)	1:34:A:LEU:HD21	1:58:A:LEU:HB3	20	0.3	0.1	0.29
(1,3501)	1:34:A:LEU:HD23	1:58:A:LEU:HB3	20	0.3	0.1	0.29
(1,3501)	1:34:A:LEU:HD22	1:58:A:LEU:HB3	20	0.3	0.1	0.29
(1,2216)	1:30:B:ASN:H	1:29:B:LEU:HD13	20	0.3	0.04	0.3
(1,2216)	1:30:B:ASN:H	1:29:B:LEU:HD11	20	0.3	0.04	0.3
(1,2216)	1:30:B:ASN:H	1:29:B:LEU:HD12	20	0.3	0.04	0.3
(1,2215)	1:30:A:ASN:H	1:29:A:LEU:HD13	20	0.3	0.04	0.3
(1,2215)	1:30:A:ASN:H	1:29:A:LEU:HD11	20	0.3	0.04	0.3
(1,2215)	1:30:A:ASN:H	1:29:A:LEU:HD12	20	0.3	0.04	0.3
(1,4396)	1:72:B:PHE:H	1:77:B:VAL:H	20	0.29	0.06	0.3
(1,4395)	1:72:A:PHE:H	1:77:A:VAL:H	20	0.29	0.06	0.3
(1,84)	1:8:B:ALA:HB3	1:10:B:ASP:HB3	20	0.29	0.07	0.3
(1,84)	1:8:B:ALA:HB2	1:10:B:ASP:HB3	20	0.29	0.07	0.3
(1,84)	1:8:B:ALA:HB1	1:10:B:ASP:HB3	20	0.29	0.07	0.3
(1,83)	1:8:A:ALA:HB3	1:10:A:ASP:HB3	20	0.29	0.07	0.3
(1,83)	1:8:A:ALA:HB2	1:10:A:ASP:HB3	20	0.29	0.07	0.3
(1,83)	1:8:A:ALA:HB1	1:10:A:ASP:HB3	20	0.29	0.07	0.3
(1,4295)	1:64:A:SER:H	1:63:A:ASP:H	20	0.29	0.12	0.26
(1,143)	1:12:A:MET:H	1:11:A:VAL:HG12	20	0.28	0.02	0.29
(1,143)	1:12:A:MET:H	1:11:A:VAL:HG13	20	0.28	0.02	0.29
(1,143)	1:12:A:MET:H	1:11:A:VAL:HG11	20	0.28	0.02	0.29
(1,4296)	1:64:B:SER:H	1:63:B:ASP:H	20	0.28	0.12	0.26
(1,3411)	1:13:A:VAL:HG12	1:13:A:VAL:HG21	20	0.28	0.02	0.28
(1,3411)	1:11:A:VAL:HG11	1:11:A:VAL:HG21	20	0.28	0.02	0.28
(1,3411)	1:13:A:VAL:HG13	1:13:A:VAL:HG23	20	0.28	0.02	0.28
(1,3411)	1:13:A:VAL:HG11	1:13:A:VAL:HG21	20	0.28	0.02	0.28
(1,3411)	1:11:A:VAL:HG13	1:11:A:VAL:HG21	20	0.28	0.02	0.28
(1,3411)	1:13:A:VAL:HG11	1:13:A:VAL:HG23	20	0.28	0.02	0.28
(1,3411)	1:13:A:VAL:HG11	1:13:A:VAL:HG22	20	0.28	0.02	0.28
(1,3411)	1:13:A:VAL:HG12	1:13:A:VAL:HG23	20	0.28	0.02	0.28
(1,3411)	1:13:A:VAL:HG13	1:13:A:VAL:HG22	20	0.28	0.02	0.28
(1,3412)	1:13:B:VAL:HG12	1:13:B:VAL:HG21	20	0.28	0.02	0.28
(1,3412)	1:11:B:VAL:HG11	1:11:B:VAL:HG21	20	0.28	0.02	0.28
(1,3412)	1:13:B:VAL:HG13	1:13:B:VAL:HG23	20	0.28	0.02	0.28
(1,3412)	1:13:B:VAL:HG11	1:13:B:VAL:HG21	20	0.28	0.02	0.28
(1,3412)	1:11:B:VAL:HG13	1:11:B:VAL:HG21	20	0.28	0.02	0.28
(1,3412)	1:13:B:VAL:HG11	1:13:B:VAL:HG23	20	0.28	0.02	0.28
(1,3412)	1:13:B:VAL:HG11	1:13:B:VAL:HG22	20	0.28	0.02	0.28
(1,3412)	1:13:B:VAL:HG12	1:13:B:VAL:HG23	20	0.28	0.02	0.28
(1,3412)	1:13:B:VAL:HG13	1:13:B:VAL:HG22	20	0.28	0.02	0.28

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3188)	1:39:B:THR:H	1:46:B:LEU:HD11	20	0.28	0.04	0.29
(1,3188)	1:39:B:THR:H	1:46:B:LEU:HD12	20	0.28	0.04	0.29
(1,3188)	1:39:B:THR:H	1:46:B:LEU:HD13	20	0.28	0.04	0.29
(1,144)	1:12:B:MET:H	1:11:B:VAL:HG12	20	0.28	0.02	0.29
(1,144)	1:12:B:MET:H	1:11:B:VAL:HG13	20	0.28	0.02	0.29
(1,144)	1:12:B:MET:H	1:11:B:VAL:HG11	20	0.28	0.02	0.29
(1,3187)	1:39:A:THR:H	1:46:A:LEU:HD11	20	0.28	0.03	0.28
(1,3187)	1:39:A:THR:H	1:46:A:LEU:HD12	20	0.28	0.03	0.28
(1,3187)	1:39:A:THR:H	1:46:A:LEU:HD13	20	0.28	0.03	0.28
(1,822)	1:43:B:PRO:HB2	1:44:B:SER:HB2	20	0.28	0.03	0.28
(1,3632)	1:59:B:MET:HB3	1:34:B:LEU:HB3	20	0.28	0.09	0.26
(1,3632)	1:43:B:PRO:HB2	1:42:B:LEU:HB3	20	0.28	0.09	0.26
(1,821)	1:43:A:PRO:HB2	1:44:A:SER:HB2	20	0.28	0.03	0.27
(1,3631)	1:59:A:MET:HB3	1:34:A:LEU:HB3	20	0.28	0.09	0.26
(1,3631)	1:43:A:PRO:HB2	1:42:A:LEU:HB3	20	0.28	0.09	0.26
(1,206)	1:34:B:LEU:HD13	1:38:B:LEU:H	20	0.27	0.12	0.26
(1,206)	1:34:B:LEU:HD12	1:38:B:LEU:H	20	0.27	0.12	0.26
(1,206)	1:34:B:LEU:HD11	1:38:B:LEU:H	20	0.27	0.12	0.26
(1,983)	1:97:A:GLN:HG2	1:97:A:GLN:HG3	20	0.27	0.0	0.27
(1,984)	1:97:B:GLN:HG2	1:97:B:GLN:HG3	20	0.27	0.0	0.27
(1,3377)	1:70:A:VAL:HG11	1:70:A:VAL:HG13	20	0.27	0.0	0.27
(1,3377)	1:70:A:VAL:HG12	1:70:A:VAL:HG11	20	0.27	0.0	0.27
(1,3377)	1:50:A:THR:HG21	1:50:A:THR:HG23	20	0.27	0.0	0.27
(1,3377)	1:50:A:THR:HG21	1:50:A:THR:HG22	20	0.27	0.0	0.27
(1,3377)	1:70:A:VAL:HG12	1:70:A:VAL:HG13	20	0.27	0.0	0.27
(1,3378)	1:70:B:VAL:HG12	1:70:B:VAL:HG13	20	0.27	0.0	0.27
(1,3378)	1:70:B:VAL:HG12	1:70:B:VAL:HG11	20	0.27	0.0	0.27
(1,3378)	1:50:B:THR:HG21	1:50:B:THR:HG22	20	0.27	0.0	0.27
(1,3378)	1:50:B:THR:HG22	1:50:B:THR:HG23	20	0.27	0.0	0.27
(1,3378)	1:70:B:VAL:HG11	1:70:B:VAL:HG13	20	0.27	0.0	0.27
(1,3378)	1:50:B:THR:HG21	1:50:B:THR:HG23	20	0.27	0.0	0.27
(1,4385)	1:76:A:SER:H	1:77:A:VAL:HG23	20	0.25	0.03	0.26
(1,4385)	1:76:A:SER:H	1:77:A:VAL:HG22	20	0.25	0.03	0.26
(1,4385)	1:76:A:SER:H	1:77:A:VAL:HG21	20	0.25	0.03	0.26
(1,4386)	1:76:B:SER:H	1:77:B:VAL:HG23	20	0.25	0.03	0.26
(1,4386)	1:76:B:SER:H	1:77:B:VAL:HG22	20	0.25	0.03	0.26
(1,4386)	1:76:B:SER:H	1:77:B:VAL:HG21	20	0.25	0.03	0.26
(1,1072)	1:52:B:GLU:HB2	1:52:B:GLU:HG3	20	0.25	0.03	0.25
(1,1072)	1:52:B:GLU:HB3	1:52:B:GLU:HG2	20	0.25	0.03	0.25
(1,1072)	1:52:B:GLU:HB2	1:52:B:GLU:HG2	20	0.25	0.03	0.25
(1,1071)	1:52:A:GLU:HB2	1:52:A:GLU:HG3	20	0.25	0.03	0.25
(1,1071)	1:52:A:GLU:HB3	1:52:A:GLU:HG2	20	0.25	0.03	0.25

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1071)	1:52:A:GLU:HB2	1:52:A:GLU:HG2	20	0.25	0.03	0.25
(1,407)	1:46:A:LEU:HD22	1:46:A:LEU:HB2	20	0.25	0.09	0.22
(1,407)	1:46:A:LEU:HD22	1:46:A:LEU:HB3	20	0.25	0.09	0.22
(1,407)	1:46:A:LEU:HD23	1:46:A:LEU:HB3	20	0.25	0.09	0.22
(1,407)	1:46:A:LEU:HD21	1:46:A:LEU:HB3	20	0.25	0.09	0.22
(1,407)	1:46:A:LEU:HD21	1:46:A:LEU:HB2	20	0.25	0.09	0.22
(1,407)	1:46:A:LEU:HD23	1:46:A:LEU:HB2	20	0.25	0.09	0.22
(1,408)	1:46:B:LEU:HD22	1:46:B:LEU:HB2	20	0.24	0.09	0.22
(1,408)	1:46:B:LEU:HD22	1:46:B:LEU:HB3	20	0.24	0.09	0.22
(1,408)	1:46:B:LEU:HD23	1:46:B:LEU:HB3	20	0.24	0.09	0.22
(1,408)	1:46:B:LEU:HD21	1:46:B:LEU:HB3	20	0.24	0.09	0.22
(1,408)	1:46:B:LEU:HD21	1:46:B:LEU:HB2	20	0.24	0.09	0.22
(1,408)	1:46:B:LEU:HD23	1:46:B:LEU:HB2	20	0.24	0.09	0.22
(1,311)	1:46:A:LEU:HD12	1:46:A:LEU:HD13	20	0.24	0.0	0.24
(1,311)	1:46:A:LEU:HD11	1:46:A:LEU:HD13	20	0.24	0.0	0.24
(1,311)	1:46:A:LEU:HD12	1:46:A:LEU:HD11	20	0.24	0.0	0.24
(1,312)	1:46:B:LEU:HD12	1:46:B:LEU:HD13	20	0.24	0.0	0.24
(1,312)	1:46:B:LEU:HD11	1:46:B:LEU:HD13	20	0.24	0.0	0.24
(1,312)	1:46:B:LEU:HD12	1:46:B:LEU:HD11	20	0.24	0.0	0.24
(1,3481)	1:58:A:LEU:HD21	1:58:A:LEU:HD23	20	0.23	0.0	0.23
(1,3481)	1:58:A:LEU:HD22	1:58:A:LEU:HD23	20	0.23	0.0	0.23
(1,3481)	1:9:A:LEU:HD21	1:9:A:LEU:HD23	20	0.23	0.0	0.23
(1,3481)	1:58:A:LEU:HD22	1:58:A:LEU:HD21	20	0.23	0.0	0.23
(1,3482)	1:9:B:LEU:HD22	1:9:B:LEU:HD21	20	0.23	0.0	0.23
(1,3482)	1:58:B:LEU:HD21	1:58:B:LEU:HD23	20	0.23	0.0	0.23
(1,3482)	1:58:B:LEU:HD22	1:58:B:LEU:HD23	20	0.23	0.0	0.23
(1,3482)	1:58:B:LEU:HD22	1:58:B:LEU:HD21	20	0.23	0.0	0.23
(1,3482)	1:9:B:LEU:HD22	1:9:B:LEU:HD23	20	0.23	0.0	0.23
(1,3482)	1:9:B:LEU:HD21	1:9:B:LEU:HD23	20	0.23	0.0	0.23
(1,397)	1:7:A:LYS:HG3	1:7:A:LYS:HA	20	0.22	0.08	0.19
(1,398)	1:7:B:LYS:HG3	1:7:B:LYS:HA	20	0.21	0.08	0.19
(1,2162)	1:70:B:VAL:H	1:31:B:LYS:HA	20	0.2	0.04	0.21
(1,2161)	1:70:A:VAL:H	1:31:A:LYS:HA	20	0.2	0.04	0.21
(1,203)	1:76:A:SER:H	1:77:A:VAL:HG23	20	0.2	0.03	0.21
(1,203)	1:76:A:SER:H	1:77:A:VAL:HG22	20	0.2	0.03	0.21
(1,203)	1:76:A:SER:H	1:77:A:VAL:HG21	20	0.2	0.03	0.21
(1,204)	1:76:B:SER:H	1:77:B:VAL:HG23	20	0.2	0.04	0.21
(1,204)	1:76:B:SER:H	1:77:B:VAL:HG22	20	0.2	0.04	0.21
(1,204)	1:76:B:SER:H	1:77:B:VAL:HG21	20	0.2	0.04	0.21
(1,551)	1:99:A:ARG:HG2	1:99:A:ARG:HG3	20	0.2	0.01	0.2
(1,569)	1:98:A:PRO:HG2	1:98:A:PRO:HG3	20	0.2	0.01	0.2
(1,570)	1:98:B:PRO:HG2	1:98:B:PRO:HG3	20	0.19	0.0	0.19

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,552)	1:99:B:ARG:HG2	1:99:B:ARG:HG3	20	0.19	0.0	0.19
(1,1277)	1:10:A:ASP:HB3	1:12:A:MET:H	20	0.19	0.05	0.18
(1,3721)	1:52:A:GLU:HG2	1:52:A:GLU:HG3	20	0.18	0.01	0.18
(1,3721)	1:33:A:GLU:HG2	1:33:A:GLU:HG3	20	0.18	0.01	0.18
(1,3722)	1:52:B:GLU:HG2	1:52:B:GLU:HG3	20	0.18	0.01	0.18
(1,3722)	1:33:B:GLU:HG2	1:33:B:GLU:HG3	20	0.18	0.01	0.18
(3,138)	1:48:B:LYS:H	1:44:B:SER:O	20	0.18	0.02	0.18
(3,46)	1:48:A:LYS:H	1:44:A:SER:O	20	0.18	0.02	0.18
(1,413)	1:46:A:LEU:HD21	1:46:A:LEU:HD23	20	0.18	0.0	0.18
(1,413)	1:46:A:LEU:HD22	1:46:A:LEU:HD21	20	0.18	0.0	0.18
(1,413)	1:46:A:LEU:HD22	1:46:A:LEU:HD23	20	0.18	0.0	0.18
(1,414)	1:46:B:LEU:HD21	1:46:B:LEU:HD23	20	0.18	0.0	0.18
(1,414)	1:46:B:LEU:HD22	1:46:B:LEU:HD21	20	0.18	0.0	0.18
(1,414)	1:46:B:LEU:HD22	1:46:B:LEU:HD23	20	0.18	0.0	0.18
(2,152)	1:14:B:SER:HA	1:16:B:PHE:HA	20	0.18	0.03	0.18
(2,151)	1:14:A:SER:HA	1:16:A:PHE:HA	20	0.18	0.03	0.18
(1,273)	1:38:A:LEU:HD11	1:38:A:LEU:HD13	20	0.17	0.0	0.17
(1,273)	1:38:A:LEU:HD12	1:38:A:LEU:HD11	20	0.17	0.0	0.17
(1,273)	1:38:A:LEU:HD12	1:38:A:LEU:HD13	20	0.17	0.0	0.17
(1,274)	1:38:B:LEU:HD12	1:38:B:LEU:HD13	20	0.17	0.0	0.17
(1,274)	1:38:B:LEU:HD12	1:38:B:LEU:HD11	20	0.17	0.0	0.17
(1,274)	1:38:B:LEU:HD11	1:38:B:LEU:HD13	20	0.17	0.0	0.17
(1,703)	1:26:A:LYS:HD2	1:26:A:LYS:HD3	20	0.16	0.0	0.16
(1,704)	1:26:B:LYS:HD2	1:26:B:LYS:HD3	20	0.16	0.0	0.16
(1,96)	1:53:B:ALA:HB2	1:53:B:ALA:HB1	20	0.16	0.0	0.16
(1,96)	1:53:B:ALA:HB1	1:53:B:ALA:HB3	20	0.16	0.0	0.16
(1,96)	1:53:B:ALA:HB2	1:53:B:ALA:HB3	20	0.16	0.0	0.16
(1,95)	1:53:A:ALA:HB1	1:53:A:ALA:HB3	20	0.16	0.0	0.16
(1,95)	1:53:A:ALA:HB2	1:53:A:ALA:HB3	20	0.16	0.0	0.16
(1,95)	1:53:A:ALA:HB2	1:53:A:ALA:HB1	20	0.16	0.0	0.16
(1,2165)	1:70:A:VAL:H	1:69:A:GLU:HB2	20	0.16	0.02	0.16
(1,2166)	1:70:B:VAL:H	1:69:B:GLU:HB2	20	0.16	0.02	0.15
(1,139)	1:77:A:VAL:HG12	1:77:A:VAL:HG13	20	0.14	0.0	0.14
(1,139)	1:77:A:VAL:HG12	1:77:A:VAL:HG11	20	0.14	0.0	0.14
(1,139)	1:77:A:VAL:HG11	1:77:A:VAL:HG13	20	0.14	0.0	0.14
(1,140)	1:77:B:VAL:HG11	1:77:B:VAL:HG13	20	0.14	0.0	0.14
(1,140)	1:77:B:VAL:HG12	1:77:B:VAL:HG11	20	0.14	0.0	0.14
(1,140)	1:77:B:VAL:HG12	1:77:B:VAL:HG13	20	0.14	0.0	0.14
(1,3409)	1:11:A:VAL:HG21	1:11:A:VAL:HG23	20	0.14	0.0	0.14
(1,3409)	1:13:A:VAL:HG22	1:13:A:VAL:HG23	20	0.14	0.0	0.14
(1,3409)	1:13:A:VAL:HG22	1:13:A:VAL:HG21	20	0.14	0.0	0.14
(1,3409)	1:11:A:VAL:HG22	1:11:A:VAL:HG23	20	0.14	0.0	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3409)	1:11:A:VAL:HG22	1:11:A:VAL:HG21	20	0.14	0.0	0.14
(1,3410)	1:11:B:VAL:HG21	1:11:B:VAL:HG23	20	0.14	0.0	0.14
(1,3410)	1:11:B:VAL:HG22	1:11:B:VAL:HG23	20	0.14	0.0	0.14
(1,3410)	1:13:B:VAL:HG22	1:13:B:VAL:HG23	20	0.14	0.0	0.14
(1,3410)	1:11:B:VAL:HG22	1:11:B:VAL:HG21	20	0.14	0.0	0.14
(1,315)	1:62:A:LEU:HD22	1:62:A:LEU:HD23	20	0.14	0.0	0.14
(1,315)	1:62:A:LEU:HD22	1:62:A:LEU:HD21	20	0.14	0.0	0.14
(1,315)	1:62:A:LEU:HD21	1:62:A:LEU:HD23	20	0.14	0.0	0.14
(1,316)	1:62:B:LEU:HD22	1:62:B:LEU:HD23	20	0.14	0.0	0.14
(1,316)	1:62:B:LEU:HD22	1:62:B:LEU:HD21	20	0.14	0.0	0.14
(1,316)	1:62:B:LEU:HD21	1:62:B:LEU:HD23	20	0.14	0.0	0.14
(1,572)	1:94:B:PRO:HG2	1:94:B:PRO:HG3	20	0.12	0.0	0.12
(1,571)	1:94:A:PRO:HG2	1:94:A:PRO:HG3	20	0.12	0.0	0.12
(1,3873)	1:18:A:LYS:HE2	1:18:A:LYS:HE3	20	0.12	0.0	0.12
(1,3873)	1:51:A:ASP:HB2	1:51:A:ASP:HB3	20	0.12	0.0	0.12
(1,3874)	1:18:B:LYS:HE2	1:18:B:LYS:HE3	20	0.12	0.0	0.12
(1,3874)	1:51:B:ASP:HB2	1:51:B:ASP:HB3	20	0.12	0.0	0.12
(1,222)	1:77:B:VAL:HG22	1:77:B:VAL:HG23	20	0.12	0.0	0.12
(1,222)	1:77:B:VAL:HG22	1:77:B:VAL:HG21	20	0.12	0.0	0.12
(1,222)	1:77:B:VAL:HG21	1:77:B:VAL:HG23	20	0.12	0.0	0.12
(1,221)	1:77:A:VAL:HG22	1:77:A:VAL:HG21	20	0.12	0.0	0.12
(1,221)	1:77:A:VAL:HG21	1:77:A:VAL:HG23	20	0.12	0.0	0.12
(1,221)	1:77:A:VAL:HG22	1:77:A:VAL:HG23	20	0.12	0.0	0.12
(1,3699)	1:56:A:GLN:HG2	1:56:A:GLN:HG3	20	0.11	0.0	0.11
(1,3699)	1:73:A:GLN:HG2	1:73:A:GLN:HG3	20	0.11	0.0	0.11
(1,3700)	1:56:B:GLN:HG2	1:56:B:GLN:HG3	20	0.11	0.0	0.11
(1,3700)	1:73:B:GLN:HG2	1:73:B:GLN:HG3	20	0.11	0.0	0.11
(1,4283)	1:3:A:SER:H	1:37:B:LEU:HD23	19	1.69	0.57	1.99
(1,4283)	1:3:A:SER:H	1:37:B:LEU:HD22	19	1.69	0.57	1.99
(1,4283)	1:3:A:SER:H	1:9:A:LEU:HD23	19	1.69	0.57	1.99
(1,4283)	1:3:A:SER:H	1:9:A:LEU:HD22	19	1.69	0.57	1.99
(1,4283)	1:3:A:SER:H	1:9:A:LEU:HD21	19	1.69	0.57	1.99
(1,4283)	1:3:A:SER:H	1:37:B:LEU:HD21	19	1.69	0.57	1.99
(1,4284)	1:3:B:SER:H	1:37:A:LEU:HD23	19	1.68	0.57	2.01
(1,4284)	1:3:B:SER:H	1:37:A:LEU:HD22	19	1.68	0.57	2.01
(1,4284)	1:3:B:SER:H	1:9:B:LEU:HD23	19	1.68	0.57	2.01
(1,4284)	1:3:B:SER:H	1:9:B:LEU:HD22	19	1.68	0.57	2.01
(1,4284)	1:3:B:SER:H	1:9:B:LEU:HD21	19	1.68	0.57	2.01
(1,4284)	1:3:B:SER:H	1:37:A:LEU:HD21	19	1.68	0.57	2.01
(1,2766)	1:59:B:MET:H	1:61:B:ASN:HB3	19	1.64	0.06	1.64
(1,2765)	1:59:A:MET:H	1:61:A:ASN:HB3	19	1.64	0.06	1.64
(1,3341)	1:2:A:ALA:HB3	1:79:B:LEU:HD11	19	1.64	0.33	1.76

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3341)	1:2:A:ALA:HB2	1:79:B:LEU:HD12	19	1.64	0.33	1.76
(1,3341)	1:2:A:ALA:HB2	1:79:B:LEU:HD11	19	1.64	0.33	1.76
(1,3341)	1:2:A:ALA:HB2	1:79:B:LEU:HD23	19	1.64	0.33	1.76
(1,3341)	1:2:A:ALA:HB3	1:79:B:LEU:HD13	19	1.64	0.33	1.76
(1,3341)	1:2:A:ALA:HB1	1:79:B:LEU:HD12	19	1.64	0.33	1.76
(1,3341)	1:2:A:ALA:HB1	1:79:B:LEU:HD11	19	1.64	0.33	1.76
(1,3341)	1:2:A:ALA:HB2	1:79:B:LEU:HD13	19	1.64	0.33	1.76
(1,3341)	1:2:A:ALA:HB1	1:79:B:LEU:HD21	19	1.64	0.33	1.76
(1,3341)	1:2:A:ALA:HB1	1:79:B:LEU:HD13	19	1.64	0.33	1.76
(1,3342)	1:2:B:ALA:HB3	1:79:A:LEU:HD11	19	1.63	0.33	1.76
(1,3342)	1:2:B:ALA:HB2	1:79:A:LEU:HD12	19	1.63	0.33	1.76
(1,3342)	1:2:B:ALA:HB2	1:79:A:LEU:HD11	19	1.63	0.33	1.76
(1,3342)	1:2:B:ALA:HB2	1:79:A:LEU:HD23	19	1.63	0.33	1.76
(1,3342)	1:2:B:ALA:HB3	1:79:A:LEU:HD13	19	1.63	0.33	1.76
(1,3342)	1:2:B:ALA:HB1	1:79:A:LEU:HD12	19	1.63	0.33	1.76
(1,3342)	1:2:B:ALA:HB1	1:79:A:LEU:HD11	19	1.63	0.33	1.76
(1,3342)	1:2:B:ALA:HB2	1:79:A:LEU:HD13	19	1.63	0.33	1.76
(1,3342)	1:2:B:ALA:HB1	1:79:A:LEU:HD21	19	1.63	0.33	1.76
(1,3342)	1:2:B:ALA:HB1	1:79:A:LEU:HD13	19	1.63	0.33	1.76
(1,3355)	1:77:A:VAL:HG12	1:74:A:GLU:HG3	19	1.56	0.29	1.58
(1,3355)	1:77:A:VAL:HG11	1:74:A:GLU:HG3	19	1.56	0.29	1.58
(1,3355)	1:77:A:VAL:HG13	1:74:A:GLU:HG3	19	1.56	0.29	1.58
(1,3356)	1:77:B:VAL:HG12	1:74:B:GLU:HG3	19	1.56	0.29	1.56
(1,3356)	1:77:B:VAL:HG11	1:74:B:GLU:HG3	19	1.56	0.29	1.56
(1,3356)	1:77:B:VAL:HG13	1:74:B:GLU:HG3	19	1.56	0.29	1.56
(1,908)	1:94:B:PRO:HB3	1:99:B:ARG:HG3	19	1.48	0.6	1.68
(1,908)	1:94:B:PRO:HB3	1:99:B:ARG:HG2	19	1.48	0.6	1.68
(1,907)	1:94:A:PRO:HB3	1:99:A:ARG:HG3	19	1.48	0.6	1.68
(1,907)	1:94:A:PRO:HB3	1:99:A:ARG:HG2	19	1.48	0.6	1.68
(1,3598)	1:7:B:LYS:HD3	1:9:B:LEU:HD13	19	1.46	0.47	1.47
(1,3598)	1:96:B:LYS:HD2	1:13:A:VAL:HG13	19	1.46	0.47	1.47
(1,3598)	1:7:B:LYS:HD2	1:9:B:LEU:HD11	19	1.46	0.47	1.47
(1,3598)	1:96:B:LYS:HD3	1:13:A:VAL:HG11	19	1.46	0.47	1.47
(1,3598)	1:7:B:LYS:HD3	1:9:B:LEU:HD12	19	1.46	0.47	1.47
(1,3598)	1:96:B:LYS:HD2	1:13:A:VAL:HG12	19	1.46	0.47	1.47
(1,3598)	1:7:B:LYS:HD2	1:9:B:LEU:HD13	19	1.46	0.47	1.47
(1,3598)	1:7:B:LYS:HD3	1:9:B:LEU:HD11	19	1.46	0.47	1.47
(1,3598)	1:96:B:LYS:HD3	1:13:A:VAL:HG12	19	1.46	0.47	1.47
(1,3598)	1:96:B:LYS:HD3	1:13:A:VAL:HG13	19	1.46	0.47	1.47
(1,3597)	1:7:A:LYS:HD3	1:9:A:LEU:HD13	19	1.46	0.47	1.46
(1,3597)	1:96:A:LYS:HD2	1:13:B:VAL:HG13	19	1.46	0.47	1.46
(1,3597)	1:96:A:LYS:HD2	1:13:B:VAL:HG11	19	1.46	0.47	1.46

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3597)	1:96:A:LYS:HD3	1:13:B:VAL:HG11	19	1.46	0.47	1.46
(1,3597)	1:7:A:LYS:HD3	1:9:A:LEU:HD12	19	1.46	0.47	1.46
(1,3597)	1:96:A:LYS:HD2	1:13:B:VAL:HG12	19	1.46	0.47	1.46
(1,3597)	1:7:A:LYS:HD2	1:9:A:LEU:HD13	19	1.46	0.47	1.46
(1,3597)	1:7:A:LYS:HD3	1:9:A:LEU:HD11	19	1.46	0.47	1.46
(1,3597)	1:96:A:LYS:HD3	1:13:B:VAL:HG12	19	1.46	0.47	1.46
(1,3597)	1:7:A:LYS:HD2	1:9:A:LEU:HD11	19	1.46	0.47	1.46
(1,3597)	1:96:A:LYS:HD3	1:13:B:VAL:HG13	19	1.46	0.47	1.46
(1,3696)	1:56:B:GLN:HG3	1:55:B:PHE:HB3	19	1.26	0.37	1.24
(1,3696)	1:56:B:GLN:HG2	1:55:B:PHE:HB3	19	1.26	0.37	1.24
(1,3696)	1:73:B:GLN:HG3	1:99:A:ARG:HD3	19	1.26	0.37	1.24
(1,3696)	1:73:B:GLN:HG3	1:99:A:ARG:HD2	19	1.26	0.37	1.24
(1,3695)	1:56:A:GLN:HG3	1:55:A:PHE:HB3	19	1.26	0.37	1.23
(1,3695)	1:56:A:GLN:HG2	1:55:A:PHE:HB3	19	1.26	0.37	1.23
(1,3695)	1:73:A:GLN:HG3	1:99:B:ARG:HD3	19	1.26	0.37	1.23
(1,3695)	1:73:A:GLN:HG3	1:99:B:ARG:HD2	19	1.26	0.37	1.23
(1,371)	1:26:A:LYS:HG2	1:25:A:ASP:HB2	19	1.22	0.54	1.37
(1,371)	1:26:A:LYS:HG3	1:25:A:ASP:HB2	19	1.22	0.54	1.37
(1,372)	1:26:B:LYS:HG2	1:25:B:ASP:HB2	19	1.22	0.54	1.37
(1,372)	1:26:B:LYS:HG3	1:25:B:ASP:HB2	19	1.22	0.54	1.37
(1,3339)	1:2:A:ALA:HB1	1:11:B:VAL:HG12	19	1.21	0.36	1.23
(1,3339)	1:2:A:ALA:HB1	1:11:B:VAL:HG13	19	1.21	0.36	1.23
(1,3339)	1:2:A:ALA:HB3	1:42:B:LEU:HD22	19	1.21	0.36	1.23
(1,3339)	1:2:A:ALA:HB1	1:42:B:LEU:HD22	19	1.21	0.36	1.23
(1,3339)	1:2:A:ALA:HB3	1:37:B:LEU:HD21	19	1.21	0.36	1.23
(1,3339)	1:2:A:ALA:HB3	1:11:B:VAL:HG12	19	1.21	0.36	1.23
(1,3339)	1:2:A:ALA:HB3	1:11:B:VAL:HG13	19	1.21	0.36	1.23
(1,3339)	1:2:A:ALA:HB1	1:42:B:LEU:HD21	19	1.21	0.36	1.23
(1,3339)	1:2:A:ALA:HB1	1:9:A:LEU:HD11	19	1.21	0.36	1.23
(1,3339)	1:2:A:ALA:HB2	1:37:B:LEU:HD22	19	1.21	0.36	1.23
(1,3339)	1:2:A:ALA:HB3	1:42:B:LEU:HD23	19	1.21	0.36	1.23
(1,3339)	1:2:A:ALA:HB2	1:42:B:LEU:HD22	19	1.21	0.36	1.23
(1,3339)	1:2:A:ALA:HB2	1:37:B:LEU:HD23	19	1.21	0.36	1.23
(1,3339)	1:2:A:ALA:HB3	1:37:B:LEU:HD23	19	1.21	0.36	1.23
(1,3339)	1:2:A:ALA:HB3	1:9:A:LEU:HD12	19	1.21	0.36	1.23
(1,3339)	1:2:A:ALA:HB2	1:42:B:LEU:HD23	19	1.21	0.36	1.23
(1,3340)	1:2:B:ALA:HB1	1:11:A:VAL:HG12	19	1.2	0.37	1.22
(1,3340)	1:2:B:ALA:HB1	1:11:A:VAL:HG13	19	1.2	0.37	1.22
(1,3340)	1:2:B:ALA:HB3	1:42:A:LEU:HD22	19	1.2	0.37	1.22
(1,3340)	1:2:B:ALA:HB1	1:42:A:LEU:HD22	19	1.2	0.37	1.22
(1,3340)	1:2:B:ALA:HB3	1:37:A:LEU:HD21	19	1.2	0.37	1.22
(1,3340)	1:2:B:ALA:HB3	1:11:A:VAL:HG12	19	1.2	0.37	1.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3340)	1:2:B:ALA:HB3	1:11:A:VAL:HG13	19	1.2	0.37	1.22
(1,3340)	1:2:B:ALA:HB1	1:42:A:LEU:HD21	19	1.2	0.37	1.22
(1,3340)	1:2:B:ALA:HB1	1:9:B:LEU:HD11	19	1.2	0.37	1.22
(1,3340)	1:2:B:ALA:HB2	1:37:A:LEU:HD22	19	1.2	0.37	1.22
(1,3340)	1:2:B:ALA:HB3	1:42:A:LEU:HD23	19	1.2	0.37	1.22
(1,3340)	1:2:B:ALA:HB2	1:42:A:LEU:HD22	19	1.2	0.37	1.22
(1,3340)	1:2:B:ALA:HB2	1:37:A:LEU:HD23	19	1.2	0.37	1.22
(1,3340)	1:2:B:ALA:HB3	1:37:A:LEU:HD23	19	1.2	0.37	1.22
(1,3340)	1:2:B:ALA:HB3	1:9:B:LEU:HD12	19	1.2	0.37	1.22
(1,3340)	1:2:B:ALA:HB2	1:42:A:LEU:HD23	19	1.2	0.37	1.22
(1,3450)	1:18:B:LYS:HG2	1:22:B:LYS:HB3	19	1.17	0.19	1.19
(1,3450)	1:18:B:LYS:HG2	1:40:B:ARG:HB3	19	1.17	0.19	1.19
(1,3450)	1:18:B:LYS:HG2	1:36:B:GLU:HB2	19	1.17	0.19	1.19
(1,3449)	1:18:A:LYS:HG2	1:22:A:LYS:HB3	19	1.17	0.19	1.19
(1,3449)	1:18:A:LYS:HG2	1:40:A:ARG:HB3	19	1.17	0.19	1.19
(1,3449)	1:18:A:LYS:HG2	1:36:A:GLU:HB2	19	1.17	0.19	1.19
(1,706)	1:88:B:GLU:HB2	1:96:B:LYS:HG2	19	1.12	0.4	1.02
(1,706)	1:88:B:GLU:HB2	1:96:B:LYS:HG3	19	1.12	0.4	1.02
(1,705)	1:88:A:GLU:HB2	1:96:A:LYS:HG2	19	1.11	0.4	1.02
(1,705)	1:88:A:GLU:HB2	1:96:A:LYS:HG3	19	1.11	0.4	1.02
(1,1520)	1:26:B:LYS:HB3	1:21:B:GLY:HA3	19	1.1	0.52	1.36
(1,1519)	1:26:A:LYS:HB3	1:21:A:GLY:HA3	19	1.1	0.52	1.35
(1,4199)	1:50:A:THR:HB	1:55:A:PHE:HB2	19	1.1	0.37	1.17
(1,4199)	1:50:A:THR:HB	1:49:A:ARG:HD2	19	1.1	0.37	1.17
(1,4200)	1:50:B:THR:HB	1:55:B:PHE:HB2	19	1.1	0.37	1.17
(1,4200)	1:50:B:THR:HB	1:49:B:ARG:HD2	19	1.1	0.37	1.17
(1,603)	1:40:A:ARG:HG2	1:36:A:GLU:HA	19	1.08	0.13	1.1
(1,604)	1:40:B:ARG:HG2	1:36:B:GLU:HA	19	1.08	0.12	1.1
(1,3537)	1:5:A:LEU:HG	1:79:B:LEU:HD11	19	1.04	0.15	1.1
(1,3537)	1:5:A:LEU:HG	1:79:B:LEU:HD12	19	1.04	0.15	1.1
(1,3537)	1:5:A:LEU:HG	1:79:B:LEU:HD13	19	1.04	0.15	1.1
(1,3538)	1:5:B:LEU:HG	1:79:A:LEU:HD11	19	1.04	0.16	1.1
(1,3538)	1:5:B:LEU:HG	1:79:A:LEU:HD12	19	1.04	0.16	1.1
(1,3538)	1:5:B:LEU:HG	1:79:A:LEU:HD13	19	1.04	0.16	1.1
(1,3770)	1:16:B:PHE:HB2	1:18:B:LYS:HE2	19	1.01	0.32	1.16
(1,3770)	1:16:B:PHE:HB2	1:87:A:ASN:HB2	19	1.01	0.32	1.16
(1,3770)	1:16:B:PHE:HB2	1:19:B:TYR:HB3	19	1.01	0.32	1.16
(1,3769)	1:16:A:PHE:HB2	1:18:A:LYS:HE2	19	1.0	0.33	1.15
(1,3769)	1:16:A:PHE:HB2	1:87:B:ASN:HB2	19	1.0	0.33	1.15
(1,3769)	1:16:A:PHE:HB2	1:19:A:TYR:HB3	19	1.0	0.33	1.15
(1,4387)	1:76:A:SER:H	1:13:A:VAL:HG13	19	1.0	0.4	1.0
(1,4387)	1:76:A:SER:H	1:13:A:VAL:HG11	19	1.0	0.4	1.0

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4387)	1:76:A:SER:H	1:13:A:VAL:HG12	19	1.0	0.4	1.0
(1,4387)	1:76:A:SER:H	1:70:A:VAL:HG21	19	1.0	0.4	1.0
(1,652)	1:39:B:THR:HG22	1:40:B:ARG:HG2	19	0.96	0.07	0.98
(1,652)	1:39:B:THR:HG23	1:40:B:ARG:HG2	19	0.96	0.07	0.98
(1,652)	1:39:B:THR:HG21	1:40:B:ARG:HG2	19	0.96	0.07	0.98
(1,651)	1:39:A:THR:HG22	1:40:A:ARG:HG2	19	0.96	0.07	0.99
(1,651)	1:39:A:THR:HG23	1:40:A:ARG:HG2	19	0.96	0.07	0.99
(1,651)	1:39:A:THR:HG21	1:40:A:ARG:HG2	19	0.96	0.07	0.99
(1,4554)	1:56:B:GLN:HE21	1:34:B:LEU:HD22	19	0.89	0.22	0.88
(1,4554)	1:56:B:GLN:HE21	1:34:B:LEU:HD21	19	0.89	0.22	0.88
(1,4554)	1:56:B:GLN:HE21	1:34:B:LEU:HD23	19	0.89	0.22	0.88
(1,4553)	1:56:A:GLN:HE21	1:34:A:LEU:HD22	19	0.89	0.21	0.88
(1,4553)	1:56:A:GLN:HE21	1:34:A:LEU:HD21	19	0.89	0.21	0.88
(1,4553)	1:56:A:GLN:HE21	1:34:A:LEU:HD23	19	0.89	0.21	0.88
(1,460)	1:46:B:LEU:HD21	1:82:B:ILE:HD13	19	0.86	0.33	0.99
(1,460)	1:46:B:LEU:HD22	1:82:B:ILE:HD11	19	0.86	0.33	0.99
(1,460)	1:46:B:LEU:HD23	1:82:B:ILE:HD12	19	0.86	0.33	0.99
(1,460)	1:46:B:LEU:HD21	1:82:B:ILE:HD11	19	0.86	0.33	0.99
(1,460)	1:46:B:LEU:HD22	1:82:B:ILE:HD13	19	0.86	0.33	0.99
(1,460)	1:46:B:LEU:HD21	1:82:B:ILE:HD12	19	0.86	0.33	0.99
(1,460)	1:46:B:LEU:HD23	1:82:B:ILE:HD13	19	0.86	0.33	0.99
(1,459)	1:46:A:LEU:HD21	1:82:A:ILE:HD13	19	0.86	0.33	1.0
(1,459)	1:46:A:LEU:HD22	1:82:A:ILE:HD11	19	0.86	0.33	1.0
(1,459)	1:46:A:LEU:HD23	1:82:A:ILE:HD12	19	0.86	0.33	1.0
(1,459)	1:46:A:LEU:HD21	1:82:A:ILE:HD11	19	0.86	0.33	1.0
(1,459)	1:46:A:LEU:HD22	1:82:A:ILE:HD13	19	0.86	0.33	1.0
(1,459)	1:46:A:LEU:HD21	1:82:A:ILE:HD12	19	0.86	0.33	1.0
(1,459)	1:46:A:LEU:HD23	1:82:A:ILE:HD13	19	0.86	0.33	1.0
(1,4157)	1:32:A:SER:HB3	1:23:A:GLU:HG2	19	0.8	0.43	0.6
(1,4157)	1:32:A:SER:HB2	1:23:A:GLU:HG2	19	0.8	0.43	0.6
(1,4157)	1:32:A:SER:HB2	1:23:A:GLU:HG3	19	0.8	0.43	0.6
(1,4157)	1:32:A:SER:HB3	1:23:A:GLU:HG3	19	0.8	0.43	0.6
(1,4157)	1:32:A:SER:HB3	1:33:A:GLU:HB3	19	0.8	0.43	0.6
(1,4157)	1:32:A:SER:HB2	1:33:A:GLU:HB3	19	0.8	0.43	0.6
(1,4158)	1:32:B:SER:HB3	1:23:B:GLU:HG2	19	0.8	0.44	0.61
(1,4158)	1:32:B:SER:HB2	1:23:B:GLU:HG2	19	0.8	0.44	0.61
(1,4158)	1:32:B:SER:HB2	1:23:B:GLU:HG3	19	0.8	0.44	0.61
(1,4158)	1:32:B:SER:HB3	1:23:B:GLU:HG3	19	0.8	0.44	0.61
(1,4158)	1:32:B:SER:HB3	1:33:B:GLU:HB3	19	0.8	0.44	0.61
(1,4158)	1:32:B:SER:HB2	1:33:B:GLU:HB3	19	0.8	0.44	0.61
(1,3557)	1:40:A:ARG:HG2	1:36:A:GLU:HG2	19	0.78	0.14	0.78
(1,3558)	1:40:B:ARG:HG2	1:36:B:GLU:HG2	19	0.78	0.13	0.78

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3772)	1:85:B:MET:HG2	1:87:B:ASN:HB3	19	0.77	0.22	0.77
(1,3772)	1:87:B:ASN:HB3	1:16:A:PHE:HB2	19	0.77	0.22	0.77
(1,3772)	1:85:B:MET:HG2	1:89:B:PHE:HB2	19	0.77	0.22	0.77
(1,3772)	1:85:B:MET:HG2	1:89:B:PHE:HB3	19	0.77	0.22	0.77
(1,3771)	1:85:A:MET:HG2	1:87:A:ASN:HB3	19	0.77	0.22	0.77
(1,3771)	1:87:A:ASN:HB3	1:16:B:PHE:HB2	19	0.77	0.22	0.77
(1,3771)	1:85:A:MET:HG2	1:89:A:PHE:HB2	19	0.77	0.22	0.77
(1,3771)	1:85:A:MET:HG2	1:89:A:PHE:HB3	19	0.77	0.22	0.77
(1,1471)	1:42:A:LEU:HB3	1:38:A:LEU:H	19	0.76	0.24	0.73
(1,1472)	1:42:B:LEU:HB3	1:38:B:LEU:H	19	0.76	0.24	0.73
(1,2092)	1:26:B:LYS:H	1:21:B:GLY:HA3	19	0.75	0.26	0.8
(1,2091)	1:26:A:LYS:H	1:21:A:GLY:HA3	19	0.75	0.26	0.8
(1,4569)	1:30:A:ASN:HD22	1:37:A:LEU:HD12	19	0.67	0.23	0.68
(1,4569)	1:30:A:ASN:HD22	1:37:A:LEU:HD13	19	0.67	0.23	0.68
(1,4569)	1:30:A:ASN:HD22	1:37:A:LEU:HD11	19	0.67	0.23	0.68
(1,4569)	1:30:A:ASN:HD22	1:34:A:LEU:HD12	19	0.67	0.23	0.68
(1,4569)	1:30:A:ASN:HD22	1:34:A:LEU:HD13	19	0.67	0.23	0.68
(1,4569)	1:30:A:ASN:HD22	1:34:A:LEU:HD11	19	0.67	0.23	0.68
(1,4570)	1:30:B:ASN:HD22	1:37:B:LEU:HD12	19	0.66	0.23	0.67
(1,4570)	1:30:B:ASN:HD22	1:37:B:LEU:HD13	19	0.66	0.23	0.67
(1,4570)	1:30:B:ASN:HD22	1:37:B:LEU:HD11	19	0.66	0.23	0.67
(1,4570)	1:30:B:ASN:HD22	1:34:B:LEU:HD12	19	0.66	0.23	0.67
(1,4570)	1:30:B:ASN:HD22	1:34:B:LEU:HD13	19	0.66	0.23	0.67
(1,4570)	1:30:B:ASN:HD22	1:34:B:LEU:HD11	19	0.66	0.23	0.67
(1,4168)	1:76:B:SER:HB3	1:79:B:LEU:HB3	19	0.66	0.2	0.71
(1,4168)	1:76:B:SER:HB2	1:79:B:LEU:HB3	19	0.66	0.2	0.71
(1,2722)	1:61:B:ASN:H	1:61:B:ASN:HB3	19	0.66	0.01	0.66
(1,2721)	1:61:A:ASN:H	1:61:A:ASN:HB3	19	0.66	0.01	0.66
(1,124)	1:2:B:ALA:HB1	1:5:B:LEU:HD13	19	0.61	0.23	0.59
(1,124)	1:2:B:ALA:HB2	1:5:B:LEU:HD12	19	0.61	0.23	0.59
(1,124)	1:2:B:ALA:HB3	1:5:B:LEU:HD13	19	0.61	0.23	0.59
(1,124)	1:2:B:ALA:HB1	1:5:B:LEU:HD11	19	0.61	0.23	0.59
(1,124)	1:2:B:ALA:HB3	1:5:B:LEU:HD11	19	0.61	0.23	0.59
(1,124)	1:2:B:ALA:HB2	1:5:B:LEU:HD11	19	0.61	0.23	0.59
(1,124)	1:2:B:ALA:HB3	1:5:B:LEU:HD12	19	0.61	0.23	0.59
(1,3512)	1:42:B:LEU:HD23	1:6:A:GLU:HA	19	0.61	0.13	0.6
(1,3512)	1:42:B:LEU:HD21	1:6:A:GLU:HA	19	0.61	0.13	0.6
(1,3512)	1:42:B:LEU:HD22	1:6:A:GLU:HA	19	0.61	0.13	0.6
(1,3512)	1:42:B:LEU:HD23	1:38:B:LEU:HA	19	0.61	0.13	0.6
(1,123)	1:2:A:ALA:HB1	1:5:A:LEU:HD13	19	0.61	0.23	0.59
(1,123)	1:2:A:ALA:HB2	1:5:A:LEU:HD12	19	0.61	0.23	0.59
(1,123)	1:2:A:ALA:HB3	1:5:A:LEU:HD13	19	0.61	0.23	0.59

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,123)	1:2:A:ALA:HB1	1:5:A:LEU:HD11	19	0.61	0.23	0.59
(1,123)	1:2:A:ALA:HB3	1:5:A:LEU:HD11	19	0.61	0.23	0.59
(1,123)	1:2:A:ALA:HB2	1:5:A:LEU:HD11	19	0.61	0.23	0.59
(1,123)	1:2:A:ALA:HB3	1:5:A:LEU:HD12	19	0.61	0.23	0.59
(1,3511)	1:42:A:LEU:HD23	1:6:B:GLU:HA	19	0.6	0.13	0.6
(1,3511)	1:42:A:LEU:HD21	1:6:B:GLU:HA	19	0.6	0.13	0.6
(1,3511)	1:42:A:LEU:HD22	1:6:B:GLU:HA	19	0.6	0.13	0.6
(1,3511)	1:42:A:LEU:HD23	1:38:A:LEU:HA	19	0.6	0.13	0.6
(1,4428)	1:34:B:LEU:H	1:22:B:LYS:HE3	19	0.6	0.17	0.65
(1,4428)	1:34:B:LEU:H	1:22:B:LYS:HE2	19	0.6	0.17	0.65
(1,4427)	1:34:A:LEU:H	1:22:A:LYS:HE3	19	0.6	0.17	0.65
(1,4427)	1:34:A:LEU:H	1:22:A:LYS:HE2	19	0.6	0.17	0.65
(1,3935)	1:62:A:LEU:HB3	1:63:A:ASP:HB3	19	0.57	0.06	0.58
(1,3935)	1:61:A:ASN:HB3	1:62:A:LEU:HB3	19	0.57	0.06	0.58
(1,3936)	1:62:B:LEU:HB3	1:63:B:ASP:HB3	19	0.57	0.06	0.58
(1,3936)	1:61:B:ASN:HB3	1:62:B:LEU:HB3	19	0.57	0.06	0.58
(1,1762)	1:61:B:ASN:HB3	1:58:B:LEU:HA	19	0.57	0.07	0.57
(1,1761)	1:61:A:ASN:HB3	1:58:A:LEU:HA	19	0.57	0.07	0.57
(1,742)	1:36:B:GLU:HB2	1:39:B:THR:HG23	19	0.54	0.08	0.54
(1,742)	1:36:B:GLU:HB2	1:39:B:THR:HG21	19	0.54	0.08	0.54
(1,742)	1:36:B:GLU:HB2	1:39:B:THR:HG22	19	0.54	0.08	0.54
(1,741)	1:36:A:GLU:HB2	1:39:A:THR:HG23	19	0.54	0.09	0.54
(1,741)	1:36:A:GLU:HB2	1:39:A:THR:HG21	19	0.54	0.09	0.54
(1,741)	1:36:A:GLU:HB2	1:39:A:THR:HG22	19	0.54	0.09	0.54
(1,3541)	1:37:A:LEU:HD12	1:17:A:HIS:HA	19	0.52	0.3	0.48
(1,3541)	1:37:A:LEU:HD11	1:17:A:HIS:HA	19	0.52	0.3	0.48
(1,3541)	1:37:A:LEU:HD13	1:17:A:HIS:HA	19	0.52	0.3	0.48
(1,3542)	1:37:B:LEU:HD12	1:17:B:HIS:HA	19	0.52	0.3	0.48
(1,3542)	1:37:B:LEU:HD11	1:17:B:HIS:HA	19	0.52	0.3	0.48
(1,3542)	1:37:B:LEU:HD13	1:17:B:HIS:HA	19	0.52	0.3	0.48
(1,1407)	1:39:A:THR:HG23	1:40:A:ARG:HD2	19	0.52	0.13	0.52
(1,1407)	1:39:A:THR:HG21	1:40:A:ARG:HD3	19	0.52	0.13	0.52
(1,1407)	1:39:A:THR:HG22	1:40:A:ARG:HD2	19	0.52	0.13	0.52
(1,1407)	1:39:A:THR:HG21	1:40:A:ARG:HD2	19	0.52	0.13	0.52
(1,1407)	1:39:A:THR:HG22	1:40:A:ARG:HD3	19	0.52	0.13	0.52
(1,1407)	1:39:A:THR:HG23	1:40:A:ARG:HD3	19	0.52	0.13	0.52
(1,1408)	1:39:B:THR:HG23	1:40:B:ARG:HD2	19	0.52	0.13	0.52
(1,1408)	1:39:B:THR:HG21	1:40:B:ARG:HD3	19	0.52	0.13	0.52
(1,1408)	1:39:B:THR:HG22	1:40:B:ARG:HD2	19	0.52	0.13	0.52
(1,1408)	1:39:B:THR:HG21	1:40:B:ARG:HD2	19	0.52	0.13	0.52
(1,1408)	1:39:B:THR:HG22	1:40:B:ARG:HD3	19	0.52	0.13	0.52
(1,1408)	1:39:B:THR:HG23	1:40:B:ARG:HD3	19	0.52	0.13	0.52

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,176)	1:70:B:VAL:HG11	1:71:B:ASP:HB3	19	0.51	0.11	0.55
(1,176)	1:70:B:VAL:HG13	1:71:B:ASP:HB3	19	0.51	0.11	0.55
(1,176)	1:70:B:VAL:HG12	1:71:B:ASP:HB3	19	0.51	0.11	0.55
(1,175)	1:70:A:VAL:HG11	1:71:A:ASP:HB3	19	0.51	0.11	0.55
(1,175)	1:70:A:VAL:HG13	1:71:A:ASP:HB3	19	0.51	0.11	0.55
(1,175)	1:70:A:VAL:HG12	1:71:A:ASP:HB3	19	0.51	0.11	0.55
(1,4463)	1:31:A:LYS:H	1:34:A:LEU:HD23	19	0.48	0.26	0.51
(1,4463)	1:31:A:LYS:H	1:34:A:LEU:HD21	19	0.48	0.26	0.51
(1,4463)	1:31:A:LYS:H	1:34:A:LEU:HD22	19	0.48	0.26	0.51
(1,4464)	1:31:B:LYS:H	1:34:B:LEU:HD23	19	0.48	0.26	0.51
(1,4464)	1:31:B:LYS:H	1:34:B:LEU:HD21	19	0.48	0.26	0.51
(1,4464)	1:31:B:LYS:H	1:34:B:LEU:HD22	19	0.48	0.26	0.51
(1,3943)	1:42:A:LEU:HB3	1:79:A:LEU:HD23	19	0.48	0.24	0.44
(1,3943)	1:42:A:LEU:HB3	1:79:A:LEU:HD22	19	0.48	0.24	0.44
(1,3943)	1:42:A:LEU:HB3	1:79:A:LEU:HD21	19	0.48	0.24	0.44
(1,3944)	1:42:B:LEU:HB3	1:79:B:LEU:HD23	19	0.47	0.24	0.44
(1,3944)	1:42:B:LEU:HB3	1:79:B:LEU:HD22	19	0.47	0.24	0.44
(1,3944)	1:42:B:LEU:HB3	1:79:B:LEU:HD21	19	0.47	0.24	0.44
(1,2210)	1:30:B:ASN:H	1:33:B:GLU:HB3	19	0.47	0.28	0.41
(1,2209)	1:30:A:ASN:H	1:33:A:GLU:HB3	19	0.47	0.28	0.4
(1,501)	1:42:A:LEU:HD11	1:42:A:LEU:HA	19	0.45	0.05	0.46
(1,501)	1:42:A:LEU:HD13	1:42:A:LEU:HA	19	0.45	0.05	0.46
(1,501)	1:42:A:LEU:HD12	1:42:A:LEU:HA	19	0.45	0.05	0.46
(1,502)	1:42:B:LEU:HD11	1:42:B:LEU:HA	19	0.45	0.05	0.46
(1,502)	1:42:B:LEU:HD13	1:42:B:LEU:HA	19	0.45	0.05	0.46
(1,502)	1:42:B:LEU:HD12	1:42:B:LEU:HA	19	0.45	0.05	0.46
(1,3947)	1:21:A:GLY:HA3	1:22:A:LYS:HB3	19	0.44	0.06	0.43
(1,3948)	1:21:B:GLY:HA3	1:22:B:LYS:HB3	19	0.44	0.06	0.43
(1,3976)	1:42:B:LEU:HA	1:40:B:ARG:H	19	0.43	0.08	0.42
(1,3975)	1:42:A:LEU:HA	1:40:A:ARG:H	19	0.43	0.08	0.41
(1,801)	1:41:A:GLU:HB2	1:5:B:LEU:HD22	19	0.43	0.24	0.42
(1,801)	1:41:A:GLU:HB2	1:5:B:LEU:HD21	19	0.43	0.24	0.42
(1,801)	1:41:A:GLU:HB2	1:5:B:LEU:HD23	19	0.43	0.24	0.42
(1,802)	1:41:B:GLU:HB2	1:5:A:LEU:HD22	19	0.43	0.24	0.42
(1,802)	1:41:B:GLU:HB2	1:5:A:LEU:HD21	19	0.43	0.24	0.42
(1,802)	1:41:B:GLU:HB2	1:5:A:LEU:HD23	19	0.43	0.24	0.42
(1,2248)	1:8:B:ALA:H	1:43:A:PRO:HD2	19	0.43	0.1	0.45
(1,2247)	1:8:A:ALA:H	1:43:B:PRO:HD2	19	0.42	0.1	0.44
(1,75)	1:53:A:ALA:HB2	1:51:A:ASP:HA	19	0.42	0.1	0.48
(1,75)	1:53:A:ALA:HB1	1:51:A:ASP:HA	19	0.42	0.1	0.48
(1,75)	1:53:A:ALA:HB3	1:51:A:ASP:HA	19	0.42	0.1	0.48
(1,76)	1:53:B:ALA:HB2	1:51:B:ASP:HA	19	0.42	0.1	0.48

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,76)	1:53:B:ALA:HB1	1:51:B:ASP:HA	19	0.42	0.1	0.48
(1,76)	1:53:B:ALA:HB3	1:51:B:ASP:HA	19	0.42	0.1	0.48
(1,1238)	1:18:B:LYS:HB3	1:16:B:PHE:HB2	19	0.42	0.08	0.41
(1,1237)	1:18:A:LYS:HB3	1:16:A:PHE:HB2	19	0.42	0.09	0.4
(1,1595)	1:95:A:ASP:HA	1:96:A:LYS:HG2	19	0.38	0.11	0.39
(1,1595)	1:95:A:ASP:HA	1:96:A:LYS:HG3	19	0.38	0.11	0.39
(1,1596)	1:95:B:ASP:HA	1:96:B:LYS:HG2	19	0.38	0.11	0.39
(1,1596)	1:95:B:ASP:HA	1:96:B:LYS:HG3	19	0.38	0.11	0.39
(1,3394)	1:77:B:VAL:HG22	1:74:B:GLU:HA	19	0.38	0.15	0.32
(1,3394)	1:77:B:VAL:HG23	1:74:B:GLU:HA	19	0.38	0.15	0.32
(1,3394)	1:77:B:VAL:HG21	1:74:B:GLU:HA	19	0.38	0.15	0.32
(1,3393)	1:77:A:VAL:HG22	1:74:A:GLU:HA	19	0.38	0.15	0.33
(1,3393)	1:77:A:VAL:HG23	1:74:A:GLU:HA	19	0.38	0.15	0.33
(1,3393)	1:77:A:VAL:HG21	1:74:A:GLU:HA	19	0.38	0.15	0.33
(1,494)	1:34:B:LEU:H	1:34:B:LEU:HD22	19	0.37	0.07	0.39
(1,494)	1:34:B:LEU:H	1:34:B:LEU:HD21	19	0.37	0.07	0.39
(1,494)	1:34:B:LEU:H	1:34:B:LEU:HD23	19	0.37	0.07	0.39
(1,493)	1:34:A:LEU:H	1:34:A:LEU:HD22	19	0.37	0.07	0.39
(1,493)	1:34:A:LEU:H	1:34:A:LEU:HD21	19	0.37	0.07	0.39
(1,493)	1:34:A:LEU:H	1:34:A:LEU:HD23	19	0.37	0.07	0.39
(1,949)	1:12:A:MET:HB2	1:9:B:LEU:HD11	19	0.35	0.09	0.33
(1,949)	1:12:A:MET:HB2	1:9:B:LEU:HD12	19	0.35	0.09	0.33
(1,949)	1:12:A:MET:HB2	1:9:B:LEU:HD13	19	0.35	0.09	0.33
(1,27)	1:83:A:ALA:H	1:82:A:ILE:HD11	19	0.34	0.06	0.36
(1,27)	1:83:A:ALA:H	1:82:A:ILE:HD12	19	0.34	0.06	0.36
(1,27)	1:83:A:ALA:H	1:82:A:ILE:HD13	19	0.34	0.06	0.36
(1,28)	1:83:B:ALA:H	1:82:B:ILE:HD11	19	0.34	0.06	0.37
(1,28)	1:83:B:ALA:H	1:82:B:ILE:HD12	19	0.34	0.06	0.37
(1,28)	1:83:B:ALA:H	1:82:B:ILE:HD13	19	0.34	0.06	0.37
(1,950)	1:12:B:MET:HB2	1:9:A:LEU:HD11	19	0.34	0.09	0.33
(1,950)	1:12:B:MET:HB2	1:9:A:LEU:HD12	19	0.34	0.09	0.33
(1,950)	1:12:B:MET:HB2	1:9:A:LEU:HD13	19	0.34	0.09	0.33
(1,2012)	1:94:B:PRO:HA	1:95:B:ASP:HB3	19	0.33	0.12	0.31
(1,2012)	1:94:B:PRO:HA	1:95:B:ASP:HB2	19	0.33	0.12	0.31
(1,2011)	1:94:A:PRO:HA	1:95:A:ASP:HB3	19	0.33	0.12	0.31
(1,2011)	1:94:A:PRO:HA	1:95:A:ASP:HB2	19	0.33	0.12	0.31
(1,3081)	1:65:A:ASN:HD22	1:65:A:ASN:HA	19	0.33	0.05	0.35
(1,3082)	1:65:B:ASN:HD22	1:65:B:ASN:HA	19	0.32	0.05	0.35
(1,3849)	1:9:A:LEU:HB3	1:79:B:LEU:HD11	19	0.29	0.13	0.26
(1,3849)	1:9:A:LEU:HB3	1:79:B:LEU:HD12	19	0.29	0.13	0.26
(1,3849)	1:9:A:LEU:HB3	1:79:B:LEU:HD13	19	0.29	0.13	0.26
(1,3850)	1:9:B:LEU:HB3	1:79:A:LEU:HD11	19	0.29	0.13	0.26

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3850)	1:9:B:LEU:HB3	1:79:A:LEU:HD12	19	0.29	0.13	0.26
(1,3850)	1:9:B:LEU:HB3	1:79:A:LEU:HD13	19	0.29	0.13	0.26
(1,391)	1:46:A:LEU:HD22	1:46:A:LEU:H	19	0.28	0.05	0.29
(1,391)	1:46:A:LEU:HD21	1:46:A:LEU:H	19	0.28	0.05	0.29
(1,391)	1:46:A:LEU:HD23	1:46:A:LEU:H	19	0.28	0.05	0.29
(1,392)	1:46:B:LEU:HD22	1:46:B:LEU:H	19	0.28	0.05	0.29
(1,392)	1:46:B:LEU:HD21	1:46:B:LEU:H	19	0.28	0.05	0.29
(1,392)	1:46:B:LEU:HD23	1:46:B:LEU:H	19	0.28	0.05	0.29
(1,205)	1:34:A:LEU:HD13	1:38:A:LEU:H	19	0.28	0.12	0.26
(1,205)	1:34:A:LEU:HD12	1:38:A:LEU:H	19	0.28	0.12	0.26
(1,205)	1:34:A:LEU:HD11	1:38:A:LEU:H	19	0.28	0.12	0.26
(1,1218)	1:57:B:LYS:HE3	1:54:B:ALA:H	19	0.25	0.06	0.23
(1,1218)	1:57:B:LYS:HE2	1:54:B:ALA:H	19	0.25	0.06	0.23
(1,1217)	1:57:A:LYS:HE3	1:54:A:ALA:H	19	0.25	0.05	0.23
(1,1217)	1:57:A:LYS:HE2	1:54:A:ALA:H	19	0.25	0.05	0.23
(1,631)	1:40:A:ARG:HG2	1:41:A:GLU:H	19	0.24	0.05	0.22
(1,632)	1:40:B:ARG:HG2	1:41:B:GLU:H	19	0.24	0.05	0.22
(1,429)	1:5:A:LEU:HD21	1:9:B:LEU:HA	19	0.23	0.05	0.23
(1,429)	1:5:A:LEU:HD23	1:9:B:LEU:HA	19	0.23	0.05	0.23
(1,429)	1:5:A:LEU:HD22	1:9:B:LEU:HA	19	0.23	0.05	0.23
(1,430)	1:5:B:LEU:HD21	1:9:A:LEU:HA	19	0.23	0.05	0.23
(1,430)	1:5:B:LEU:HD23	1:9:A:LEU:HA	19	0.23	0.05	0.23
(1,430)	1:5:B:LEU:HD22	1:9:A:LEU:HA	19	0.23	0.05	0.23
(1,1278)	1:10:B:ASP:HB3	1:12:B:MET:H	19	0.2	0.05	0.19
(1,4050)	1:62:B:LEU:HA	1:61:B:ASN:HA	19	0.19	0.03	0.2
(1,4050)	1:62:B:LEU:HA	1:78:B:PHE:HA	19	0.19	0.03	0.2
(1,4049)	1:62:A:LEU:HA	1:61:A:ASN:HA	19	0.19	0.03	0.19
(1,4049)	1:62:A:LEU:HA	1:78:A:PHE:HA	19	0.19	0.03	0.19
(1,4351)	1:5:A:LEU:H	1:2:A:ALA:HB3	19	0.17	0.01	0.17
(1,4351)	1:79:A:LEU:H	1:79:A:LEU:HB3	19	0.17	0.01	0.17
(1,4352)	1:5:B:LEU:H	1:2:B:ALA:HB3	19	0.17	0.01	0.17
(1,4352)	1:79:B:LEU:H	1:79:B:LEU:HB3	19	0.17	0.01	0.17
(1,4407)	1:61:A:ASN:H	1:62:A:LEU:HG	19	0.16	0.03	0.15
(1,1003)	1:56:A:GLN:HB3	1:56:A:GLN:HG2	19	0.16	0.02	0.16
(1,1003)	1:56:A:GLN:HB2	1:56:A:GLN:HG2	19	0.16	0.02	0.16
(1,1003)	1:56:A:GLN:HB2	1:56:A:GLN:HG3	19	0.16	0.02	0.16
(1,1004)	1:56:B:GLN:HB3	1:56:B:GLN:HG2	19	0.16	0.02	0.16
(1,1004)	1:56:B:GLN:HB2	1:56:B:GLN:HG2	19	0.16	0.02	0.16
(1,1004)	1:56:B:GLN:HB2	1:56:B:GLN:HG3	19	0.16	0.02	0.16
(1,3137)	1:61:A:ASN:HD22	1:61:A:ASN:HB3	19	0.16	0.01	0.16
(1,3138)	1:61:B:ASN:HD22	1:61:B:ASN:HB3	19	0.16	0.01	0.15
(1,323)	1:58:A:LEU:HD13	1:58:A:LEU:HB2	19	0.13	0.02	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,323)	1:58:A:LEU:HD12	1:58:A:LEU:HB2	19	0.13	0.02	0.12
(1,323)	1:58:A:LEU:HD11	1:58:A:LEU:HB2	19	0.13	0.02	0.12
(1,4175)	1:60:A:SER:HB2	1:60:A:SER:HB3	19	0.1	0.0	0.1
(1,4175)	1:32:A:SER:HB2	1:32:A:SER:HB3	19	0.1	0.0	0.1
(1,4176)	1:60:B:SER:HB2	1:60:B:SER:HB3	19	0.1	0.0	0.1
(1,4176)	1:32:B:SER:HB2	1:32:B:SER:HB3	19	0.1	0.0	0.1
(1,4429)	1:34:A:LEU:H	1:34:A:LEU:HD13	18	1.05	0.04	1.05
(1,4429)	1:34:A:LEU:H	1:34:A:LEU:HD12	18	1.05	0.04	1.05
(1,4429)	1:34:A:LEU:H	1:34:A:LEU:HD11	18	1.05	0.04	1.05
(1,4430)	1:34:B:LEU:H	1:34:B:LEU:HD13	18	1.05	0.04	1.05
(1,4430)	1:34:B:LEU:H	1:34:B:LEU:HD12	18	1.05	0.04	1.05
(1,4430)	1:34:B:LEU:H	1:34:B:LEU:HD11	18	1.05	0.04	1.05
(1,4263)	1:33:A:GLU:H	1:34:A:LEU:HD12	18	1.0	0.05	1.0
(1,4263)	1:33:A:GLU:H	1:34:A:LEU:HD11	18	1.0	0.05	1.0
(1,4263)	1:33:A:GLU:H	1:34:A:LEU:HD13	18	1.0	0.05	1.0
(1,4264)	1:33:B:GLU:H	1:34:B:LEU:HD12	18	1.0	0.05	1.0
(1,4264)	1:33:B:GLU:H	1:34:B:LEU:HD11	18	1.0	0.05	1.0
(1,4264)	1:33:B:GLU:H	1:34:B:LEU:HD13	18	1.0	0.05	1.0
(1,2631)	1:95:A:ASP:H	1:97:A:GLN:HE22	18	0.97	0.4	1.06
(1,2632)	1:95:B:ASP:H	1:97:B:GLN:HE22	18	0.97	0.4	1.06
(1,3369)	1:70:A:VAL:HG11	1:28:A:LYS:HE2	18	0.73	0.35	0.8
(1,3369)	1:50:A:THR:HG22	1:49:A:ARG:HD2	18	0.73	0.35	0.8
(1,3369)	1:50:A:THR:HG21	1:49:A:ARG:HD2	18	0.73	0.35	0.8
(1,3369)	1:70:A:VAL:HG12	1:28:A:LYS:HE2	18	0.73	0.35	0.8
(1,3369)	1:70:A:VAL:HG13	1:28:A:LYS:HE2	18	0.73	0.35	0.8
(1,3369)	1:50:A:THR:HG23	1:49:A:ARG:HD2	18	0.73	0.35	0.8
(1,3369)	1:50:A:THR:HG23	1:55:A:PHE:HB2	18	0.73	0.35	0.8
(1,3370)	1:70:B:VAL:HG11	1:28:B:LYS:HE2	18	0.73	0.35	0.8
(1,3370)	1:50:B:THR:HG22	1:49:B:ARG:HD2	18	0.73	0.35	0.8
(1,3370)	1:50:B:THR:HG21	1:49:B:ARG:HD2	18	0.73	0.35	0.8
(1,3370)	1:70:B:VAL:HG12	1:28:B:LYS:HE2	18	0.73	0.35	0.8
(1,3370)	1:70:B:VAL:HG13	1:28:B:LYS:HE2	18	0.73	0.35	0.8
(1,3370)	1:50:B:THR:HG23	1:49:B:ARG:HD2	18	0.73	0.35	0.8
(1,3370)	1:50:B:THR:HG23	1:55:B:PHE:HB2	18	0.73	0.35	0.8
(1,3792)	1:61:B:ASN:HB3	1:81:B:SER:HB2	18	0.67	0.26	0.56
(1,3792)	1:61:B:ASN:HB3	1:81:B:SER:HB3	18	0.67	0.26	0.56
(1,3792)	1:61:B:ASN:HB3	1:55:B:PHE:HA	18	0.67	0.26	0.56
(1,3791)	1:61:A:ASN:HB3	1:81:A:SER:HB2	18	0.67	0.26	0.56
(1,3791)	1:61:A:ASN:HB3	1:81:A:SER:HB3	18	0.67	0.26	0.56
(1,3791)	1:61:A:ASN:HB3	1:55:A:PHE:HA	18	0.67	0.26	0.56
(1,411)	1:39:A:THR:HG21	1:46:A:LEU:HD23	18	0.63	0.19	0.62
(1,411)	1:39:A:THR:HG22	1:46:A:LEU:HD22	18	0.63	0.19	0.62

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,411)	1:39:A:THR:HG23	1:46:A:LEU:HD23	18	0.63	0.19	0.62
(1,411)	1:39:A:THR:HG21	1:46:A:LEU:HD21	18	0.63	0.19	0.62
(1,411)	1:39:A:THR:HG21	1:46:A:LEU:HD22	18	0.63	0.19	0.62
(1,411)	1:39:A:THR:HG22	1:46:A:LEU:HD23	18	0.63	0.19	0.62
(1,411)	1:39:A:THR:HG23	1:46:A:LEU:HD22	18	0.63	0.19	0.62
(1,411)	1:39:A:THR:HG23	1:46:A:LEU:HD21	18	0.63	0.19	0.62
(1,411)	1:39:A:THR:HG22	1:46:A:LEU:HD21	18	0.63	0.19	0.62
(1,412)	1:39:B:THR:HG21	1:46:B:LEU:HD23	18	0.63	0.19	0.62
(1,412)	1:39:B:THR:HG22	1:46:B:LEU:HD22	18	0.63	0.19	0.62
(1,412)	1:39:B:THR:HG23	1:46:B:LEU:HD23	18	0.63	0.19	0.62
(1,412)	1:39:B:THR:HG21	1:46:B:LEU:HD21	18	0.63	0.19	0.62
(1,412)	1:39:B:THR:HG21	1:46:B:LEU:HD22	18	0.63	0.19	0.62
(1,412)	1:39:B:THR:HG22	1:46:B:LEU:HD23	18	0.63	0.19	0.62
(1,412)	1:39:B:THR:HG23	1:46:B:LEU:HD22	18	0.63	0.19	0.62
(1,412)	1:39:B:THR:HG23	1:46:B:LEU:HD21	18	0.63	0.19	0.62
(1,412)	1:39:B:THR:HG22	1:46:B:LEU:HD21	18	0.63	0.19	0.62
(1,1311)	1:34:A:LEU:HB3	1:62:A:LEU:HD12	18	0.59	0.07	0.6
(1,1311)	1:34:A:LEU:HB3	1:62:A:LEU:HD13	18	0.59	0.07	0.6
(1,1311)	1:34:A:LEU:HB3	1:62:A:LEU:HD11	18	0.59	0.07	0.6
(1,507)	1:34:A:LEU:HD23	1:59:A:MET:HG2	18	0.59	0.33	0.54
(1,507)	1:34:A:LEU:HD22	1:59:A:MET:HG2	18	0.59	0.33	0.54
(1,507)	1:34:A:LEU:HD21	1:59:A:MET:HG2	18	0.59	0.33	0.54
(1,508)	1:34:B:LEU:HD23	1:59:B:MET:HG2	18	0.59	0.33	0.54
(1,508)	1:34:B:LEU:HD22	1:59:B:MET:HG2	18	0.59	0.33	0.54
(1,508)	1:34:B:LEU:HD21	1:59:B:MET:HG2	18	0.59	0.33	0.54
(1,1312)	1:34:B:LEU:HB3	1:62:B:LEU:HD12	18	0.59	0.07	0.6
(1,1312)	1:34:B:LEU:HB3	1:62:B:LEU:HD13	18	0.59	0.07	0.6
(1,1312)	1:34:B:LEU:HB3	1:62:B:LEU:HD11	18	0.59	0.07	0.6
(1,3919)	1:18:A:LYS:HE3	1:40:A:ARG:HD3	18	0.57	0.26	0.56
(1,3919)	1:40:A:ARG:HD3	1:19:A:TYR:HB3	18	0.57	0.26	0.56
(1,3919)	1:40:A:ARG:HD2	1:19:A:TYR:HB3	18	0.57	0.26	0.56
(1,3920)	1:18:B:LYS:HE3	1:40:B:ARG:HD3	18	0.57	0.26	0.55
(1,3920)	1:40:B:ARG:HD3	1:19:B:TYR:HB3	18	0.57	0.26	0.55
(1,3920)	1:40:B:ARG:HD2	1:19:B:TYR:HB3	18	0.57	0.26	0.55
(1,1921)	1:86:A:SER:HA	1:13:B:VAL:HG21	18	0.54	0.11	0.54
(1,1921)	1:86:A:SER:HA	1:13:B:VAL:HG22	18	0.54	0.11	0.54
(1,1921)	1:86:A:SER:HA	1:13:B:VAL:HG23	18	0.54	0.11	0.54
(1,1922)	1:86:B:SER:HA	1:13:A:VAL:HG21	18	0.54	0.11	0.55
(1,1922)	1:86:B:SER:HA	1:13:A:VAL:HG22	18	0.54	0.11	0.55
(1,1922)	1:86:B:SER:HA	1:13:A:VAL:HG23	18	0.54	0.11	0.55
(1,231)	1:13:A:VAL:HG23	1:84:B:MET:HA	18	0.54	0.1	0.55
(1,231)	1:13:A:VAL:HG21	1:84:B:MET:HA	18	0.54	0.1	0.55

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,231)	1:13:A:VAL:HG22	1:84:B:MET:HA	18	0.54	0.1	0.55
(1,232)	1:13:B:VAL:HG23	1:84:A:MET:HA	18	0.54	0.1	0.54
(1,232)	1:13:B:VAL:HG21	1:84:A:MET:HA	18	0.54	0.1	0.54
(1,232)	1:13:B:VAL:HG22	1:84:A:MET:HA	18	0.54	0.1	0.54
(1,4345)	1:16:A:PHE:H	1:2:B:ALA:HB1	18	0.54	0.2	0.59
(1,4345)	1:16:A:PHE:H	1:2:B:ALA:HB2	18	0.54	0.2	0.59
(1,4345)	1:16:A:PHE:H	1:2:B:ALA:HB3	18	0.54	0.2	0.59
(1,4346)	1:16:B:PHE:H	1:2:A:ALA:HB1	18	0.54	0.2	0.58
(1,4346)	1:16:B:PHE:H	1:2:A:ALA:HB2	18	0.54	0.2	0.58
(1,4346)	1:16:B:PHE:H	1:2:A:ALA:HB3	18	0.54	0.2	0.58
(1,600)	1:37:B:LEU:HD11	1:34:B:LEU:HA	18	0.51	0.18	0.55
(1,600)	1:37:B:LEU:HD21	1:34:B:LEU:HA	18	0.51	0.18	0.55
(1,600)	1:37:B:LEU:HD22	1:34:B:LEU:HA	18	0.51	0.18	0.55
(1,600)	1:37:B:LEU:HD13	1:34:B:LEU:HA	18	0.51	0.18	0.55
(1,600)	1:37:B:LEU:HD23	1:34:B:LEU:HA	18	0.51	0.18	0.55
(1,600)	1:37:B:LEU:HD12	1:34:B:LEU:HA	18	0.51	0.18	0.55
(1,599)	1:37:A:LEU:HD11	1:34:A:LEU:HA	18	0.51	0.18	0.55
(1,599)	1:37:A:LEU:HD21	1:34:A:LEU:HA	18	0.51	0.18	0.55
(1,599)	1:37:A:LEU:HD22	1:34:A:LEU:HA	18	0.51	0.18	0.55
(1,599)	1:37:A:LEU:HD13	1:34:A:LEU:HA	18	0.51	0.18	0.55
(1,599)	1:37:A:LEU:HD23	1:34:A:LEU:HA	18	0.51	0.18	0.55
(1,599)	1:37:A:LEU:HD12	1:34:A:LEU:HA	18	0.51	0.18	0.55
(1,201)	1:34:A:LEU:H	1:34:A:LEU:HD13	18	0.48	0.04	0.48
(1,201)	1:34:A:LEU:H	1:34:A:LEU:HD12	18	0.48	0.04	0.48
(1,201)	1:34:A:LEU:H	1:34:A:LEU:HD11	18	0.48	0.04	0.48
(1,202)	1:34:B:LEU:H	1:34:B:LEU:HD13	18	0.48	0.04	0.48
(1,202)	1:34:B:LEU:H	1:34:B:LEU:HD12	18	0.48	0.04	0.48
(1,202)	1:34:B:LEU:H	1:34:B:LEU:HD11	18	0.48	0.04	0.48
(1,4132)	1:20:B:SER:HB2	1:22:B:LYS:HG3	18	0.44	0.3	0.38
(1,4132)	1:20:B:SER:HB2	1:96:A:LYS:HD2	18	0.44	0.3	0.38
(1,4131)	1:20:A:SER:HB2	1:22:A:LYS:HG3	18	0.44	0.3	0.38
(1,4131)	1:20:A:SER:HB2	1:96:B:LYS:HD2	18	0.44	0.3	0.38
(1,2820)	1:40:B:ARG:H	1:46:B:LEU:HD11	18	0.43	0.12	0.48
(1,2820)	1:40:B:ARG:H	1:46:B:LEU:HD12	18	0.43	0.12	0.48
(1,2820)	1:40:B:ARG:H	1:46:B:LEU:HD13	18	0.43	0.12	0.48
(1,3214)	1:47:B:GLY:H	1:82:B:ILE:HD13	18	0.42	0.12	0.44
(1,3214)	1:47:B:GLY:H	1:82:B:ILE:HD11	18	0.42	0.12	0.44
(1,3214)	1:47:B:GLY:H	1:82:B:ILE:HD12	18	0.42	0.12	0.44
(1,2819)	1:40:A:ARG:H	1:46:A:LEU:HD11	18	0.42	0.12	0.48
(1,2819)	1:40:A:ARG:H	1:46:A:LEU:HD12	18	0.42	0.12	0.48
(1,2819)	1:40:A:ARG:H	1:46:A:LEU:HD13	18	0.42	0.12	0.48
(1,3213)	1:47:A:GLY:H	1:82:A:ILE:HD13	18	0.42	0.12	0.44

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3213)	1:47:A:GLY:H	1:82:A:ILE:HD11	18	0.42	0.12	0.44
(1,3213)	1:47:A:GLY:H	1:82:A:ILE:HD12	18	0.42	0.12	0.44
(1,4599)	1:73:A:GLN:H	1:75:A:TYR:HB3	18	0.42	0.2	0.41
(1,4599)	1:99:A:ARG:H	1:101:A:LYS:HE2	18	0.42	0.2	0.41
(1,4599)	1:99:A:ARG:H	1:101:A:LYS:HE3	18	0.42	0.2	0.41
(1,4600)	1:73:B:GLN:H	1:75:B:TYR:HB3	18	0.42	0.2	0.41
(1,4600)	1:99:B:ARG:H	1:101:B:LYS:HE2	18	0.42	0.2	0.41
(1,4600)	1:99:B:ARG:H	1:101:B:LYS:HE3	18	0.42	0.2	0.41
(1,3376)	1:50:B:THR:HG22	1:42:B:LEU:HB2	18	0.4	0.14	0.43
(1,3376)	1:50:B:THR:HG22	1:48:B:LYS:HB2	18	0.4	0.14	0.43
(1,3376)	1:50:B:THR:HG21	1:48:B:LYS:HB2	18	0.4	0.14	0.43
(1,3376)	1:50:B:THR:HG23	1:48:B:LYS:HB2	18	0.4	0.14	0.43
(1,3376)	1:50:B:THR:HG23	1:35:B:LYS:HB3	18	0.4	0.14	0.43
(1,3376)	1:50:B:THR:HG22	1:35:B:LYS:HB3	18	0.4	0.14	0.43
(1,3376)	1:50:B:THR:HG21	1:35:B:LYS:HB3	18	0.4	0.14	0.43
(1,3375)	1:50:A:THR:HG22	1:42:A:LEU:HB2	18	0.4	0.14	0.42
(1,3375)	1:50:A:THR:HG22	1:48:A:LYS:HB2	18	0.4	0.14	0.42
(1,3375)	1:50:A:THR:HG21	1:48:A:LYS:HB2	18	0.4	0.14	0.42
(1,3375)	1:50:A:THR:HG23	1:48:A:LYS:HB2	18	0.4	0.14	0.42
(1,3375)	1:50:A:THR:HG23	1:35:A:LYS:HB3	18	0.4	0.14	0.42
(1,3375)	1:50:A:THR:HG22	1:35:A:LYS:HB3	18	0.4	0.14	0.42
(1,3375)	1:50:A:THR:HG21	1:35:A:LYS:HB3	18	0.4	0.14	0.42
(1,3304)	1:9:B:LEU:HD11	1:15:A:THR:HB	18	0.4	0.21	0.32
(1,3304)	1:9:B:LEU:HD12	1:15:A:THR:HB	18	0.4	0.21	0.32
(1,3304)	1:9:B:LEU:HD13	1:15:A:THR:HB	18	0.4	0.21	0.32
(1,3303)	1:9:A:LEU:HD11	1:15:B:THR:HB	18	0.4	0.21	0.32
(1,3303)	1:9:A:LEU:HD12	1:15:B:THR:HB	18	0.4	0.21	0.32
(1,3303)	1:9:A:LEU:HD13	1:15:B:THR:HB	18	0.4	0.21	0.32
(1,4567)	1:30:A:ASN:HD22	1:69:A:GLU:HG2	18	0.39	0.15	0.43
(1,4567)	1:30:A:ASN:HD22	1:29:A:LEU:HB3	18	0.39	0.15	0.43
(1,4567)	1:30:A:ASN:HD22	1:69:A:GLU:HB3	18	0.39	0.15	0.43
(1,4568)	1:30:B:ASN:HD22	1:69:B:GLU:HG2	18	0.39	0.15	0.43
(1,4568)	1:30:B:ASN:HD22	1:29:B:LEU:HB3	18	0.39	0.15	0.43
(1,4568)	1:30:B:ASN:HD22	1:69:B:GLU:HB3	18	0.39	0.15	0.43
(1,4510)	1:32:B:SER:H	1:34:B:LEU:HD22	18	0.39	0.15	0.4
(1,4510)	1:32:B:SER:H	1:34:B:LEU:HD21	18	0.39	0.15	0.4
(1,4510)	1:32:B:SER:H	1:34:B:LEU:HD23	18	0.39	0.15	0.4
(1,4509)	1:32:A:SER:H	1:34:A:LEU:HD22	18	0.39	0.15	0.4
(1,4509)	1:32:A:SER:H	1:34:A:LEU:HD21	18	0.39	0.15	0.4
(1,4509)	1:32:A:SER:H	1:34:A:LEU:HD23	18	0.39	0.15	0.4
(1,1319)	1:92:A:GLY:H	1:96:A:LYS:HE3	18	0.39	0.11	0.37
(1,1319)	1:92:A:GLY:H	1:96:A:LYS:HE2	18	0.39	0.11	0.37

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1876)	1:82:B:ILE:HG23	1:45:B:PHE:HA	18	0.39	0.13	0.44
(1,1876)	1:82:B:ILE:HG21	1:45:B:PHE:HA	18	0.39	0.13	0.44
(1,1876)	1:82:B:ILE:HG22	1:45:B:PHE:HA	18	0.39	0.13	0.44
(1,1875)	1:82:A:ILE:HG23	1:45:A:PHE:HA	18	0.39	0.13	0.44
(1,1875)	1:82:A:ILE:HG21	1:45:A:PHE:HA	18	0.39	0.13	0.44
(1,1875)	1:82:A:ILE:HG22	1:45:A:PHE:HA	18	0.39	0.13	0.44
(1,1320)	1:92:B:GLY:H	1:96:B:LYS:HE3	18	0.39	0.11	0.36
(1,1320)	1:92:B:GLY:H	1:96:B:LYS:HE2	18	0.39	0.11	0.36
(1,453)	1:5:A:LEU:HD21	1:9:A:LEU:HD21	18	0.38	0.08	0.39
(1,453)	1:5:A:LEU:HD23	1:9:A:LEU:HD23	18	0.38	0.08	0.39
(1,453)	1:5:A:LEU:HD22	1:9:A:LEU:HD23	18	0.38	0.08	0.39
(1,453)	1:5:A:LEU:HD23	1:9:A:LEU:HD22	18	0.38	0.08	0.39
(1,453)	1:5:A:LEU:HD21	1:9:A:LEU:HD23	18	0.38	0.08	0.39
(1,453)	1:5:A:LEU:HD22	1:9:A:LEU:HD21	18	0.38	0.08	0.39
(1,453)	1:5:A:LEU:HD23	1:9:A:LEU:HD21	18	0.38	0.08	0.39
(1,453)	1:5:A:LEU:HD22	1:9:A:LEU:HD22	18	0.38	0.08	0.39
(1,453)	1:5:A:LEU:HD21	1:9:A:LEU:HD22	18	0.38	0.08	0.39
(1,454)	1:5:B:LEU:HD21	1:9:B:LEU:HD21	18	0.37	0.07	0.39
(1,454)	1:5:B:LEU:HD23	1:9:B:LEU:HD23	18	0.37	0.07	0.39
(1,454)	1:5:B:LEU:HD22	1:9:B:LEU:HD23	18	0.37	0.07	0.39
(1,454)	1:5:B:LEU:HD23	1:9:B:LEU:HD22	18	0.37	0.07	0.39
(1,454)	1:5:B:LEU:HD21	1:9:B:LEU:HD23	18	0.37	0.07	0.39
(1,454)	1:5:B:LEU:HD22	1:9:B:LEU:HD21	18	0.37	0.07	0.39
(1,454)	1:5:B:LEU:HD23	1:9:B:LEU:HD21	18	0.37	0.07	0.39
(1,454)	1:5:B:LEU:HD22	1:9:B:LEU:HD22	18	0.37	0.07	0.39
(1,454)	1:5:B:LEU:HD21	1:9:B:LEU:HD22	18	0.37	0.07	0.39
(1,3958)	1:94:B:PRO:HD3	1:89:B:PHE:HA	18	0.37	0.1	0.37
(1,3958)	1:98:B:PRO:HD2	1:99:B:ARG:HA	18	0.37	0.1	0.37
(1,3957)	1:94:A:PRO:HD3	1:89:A:PHE:HA	18	0.37	0.1	0.36
(1,3957)	1:98:A:PRO:HD2	1:99:A:ARG:HA	18	0.37	0.1	0.36
(1,4253)	1:77:A:VAL:H	1:62:A:LEU:HB3	18	0.33	0.15	0.3
(1,4253)	1:77:A:VAL:H	1:83:B:ALA:HB2	18	0.33	0.15	0.3
(1,3811)	1:18:A:LYS:HB3	1:16:A:PHE:HB2	18	0.33	0.06	0.32
(1,3812)	1:18:B:LYS:HB3	1:16:B:PHE:HB2	18	0.33	0.06	0.32
(1,2085)	1:39:A:THR:HB	1:40:A:ARG:HD2	18	0.32	0.09	0.3
(1,2085)	1:39:A:THR:HB	1:40:A:ARG:HD3	18	0.32	0.09	0.3
(1,2086)	1:39:B:THR:HB	1:40:B:ARG:HD2	18	0.31	0.09	0.31
(1,2086)	1:39:B:THR:HB	1:40:B:ARG:HD3	18	0.31	0.09	0.31
(1,891)	1:31:A:LYS:HB2	1:30:A:ASN:HA	18	0.31	0.08	0.32
(1,892)	1:31:B:LYS:HB2	1:30:B:ASN:HA	18	0.31	0.08	0.32
(1,4109)	1:2:A:ALA:HB3	1:6:A:GLU:HA	18	0.31	0.11	0.32
(1,4109)	1:2:A:ALA:HB2	1:6:A:GLU:HA	18	0.31	0.11	0.32

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4109)	1:2:A:ALA:HB1	1:6:A:GLU:HA	18	0.31	0.11	0.32
(1,4110)	1:2:B:ALA:HB3	1:6:B:GLU:HA	18	0.31	0.11	0.32
(1,4110)	1:2:B:ALA:HB2	1:6:B:GLU:HA	18	0.31	0.11	0.32
(1,4110)	1:2:B:ALA:HB1	1:6:B:GLU:HA	18	0.31	0.11	0.32
(1,4151)	1:55:A:PHE:HA	1:58:A:LEU:HD22	18	0.3	0.08	0.32
(1,4151)	1:55:A:PHE:HA	1:34:A:LEU:HD23	18	0.3	0.08	0.32
(1,4151)	1:55:A:PHE:HA	1:58:A:LEU:HD23	18	0.3	0.08	0.32
(1,4151)	1:13:A:VAL:HG12	1:14:A:SER:HA	18	0.3	0.08	0.32
(1,4151)	1:13:A:VAL:HG13	1:14:A:SER:HA	18	0.3	0.08	0.32
(1,4152)	1:55:B:PHE:HA	1:58:B:LEU:HD22	18	0.3	0.08	0.32
(1,4152)	1:55:B:PHE:HA	1:34:B:LEU:HD23	18	0.3	0.08	0.32
(1,4152)	1:55:B:PHE:HA	1:58:B:LEU:HD23	18	0.3	0.08	0.32
(1,4152)	1:13:B:VAL:HG12	1:14:B:SER:HA	18	0.3	0.08	0.32
(1,4152)	1:13:B:VAL:HG13	1:14:B:SER:HA	18	0.3	0.08	0.32
(1,4578)	1:39:B:THR:H	1:36:B:GLU:HG3	18	0.29	0.08	0.26
(1,4577)	1:39:A:THR:H	1:36:A:GLU:HG3	18	0.28	0.08	0.26
(1,3643)	1:31:A:LYS:HB3	1:35:A:LYS:HA	18	0.28	0.14	0.25
(1,3644)	1:31:B:LYS:HB3	1:35:B:LYS:HA	18	0.28	0.15	0.25
(1,4309)	1:22:A:LYS:H	1:17:A:HIS:HA	18	0.28	0.13	0.24
(1,4310)	1:22:B:LYS:H	1:17:B:HIS:HA	18	0.28	0.13	0.24
(1,4597)	1:62:A:LEU:H	1:70:A:VAL:HG21	18	0.28	0.08	0.29
(1,4597)	1:62:A:LEU:H	1:70:A:VAL:HG22	18	0.28	0.08	0.29
(1,4597)	1:62:A:LEU:H	1:70:A:VAL:HG23	18	0.28	0.08	0.29
(1,4597)	1:81:A:SER:H	1:82:A:ILE:HG13	18	0.28	0.08	0.29
(1,4598)	1:62:B:LEU:H	1:70:B:VAL:HG21	18	0.28	0.08	0.29
(1,4598)	1:62:B:LEU:H	1:70:B:VAL:HG22	18	0.28	0.08	0.29
(1,4598)	1:62:B:LEU:H	1:70:B:VAL:HG23	18	0.28	0.08	0.29
(1,4598)	1:81:B:SER:H	1:82:B:ILE:HG13	18	0.28	0.08	0.29
(1,1931)	1:32:A:SER:HA	1:31:A:LYS:HD2	18	0.27	0.1	0.28
(1,1931)	1:32:A:SER:HA	1:31:A:LYS:HD3	18	0.27	0.1	0.28
(1,337)	1:58:A:LEU:HD11	1:61:A:ASN:HB3	18	0.27	0.11	0.24
(1,337)	1:58:A:LEU:HD13	1:61:A:ASN:HB3	18	0.27	0.11	0.24
(1,337)	1:58:A:LEU:HD12	1:61:A:ASN:HB3	18	0.27	0.11	0.24
(1,338)	1:58:B:LEU:HD11	1:61:B:ASN:HB3	18	0.27	0.11	0.24
(1,338)	1:58:B:LEU:HD13	1:61:B:ASN:HB3	18	0.27	0.11	0.24
(1,338)	1:58:B:LEU:HD12	1:61:B:ASN:HB3	18	0.27	0.11	0.24
(1,1932)	1:32:B:SER:HA	1:31:B:LYS:HD2	18	0.27	0.1	0.28
(1,1932)	1:32:B:SER:HA	1:31:B:LYS:HD3	18	0.27	0.1	0.28
(1,2323)	1:78:A:PHE:H	1:82:A:ILE:HD12	18	0.26	0.07	0.26
(1,2323)	1:78:A:PHE:H	1:82:A:ILE:HD13	18	0.26	0.07	0.26
(1,2323)	1:78:A:PHE:H	1:82:A:ILE:HD11	18	0.26	0.07	0.26
(1,2324)	1:78:B:PHE:H	1:82:B:ILE:HD12	18	0.26	0.07	0.26

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2324)	1:78:B:PHE:H	1:82:B:ILE:HD13	18	0.26	0.07	0.26
(1,2324)	1:78:B:PHE:H	1:82:B:ILE:HD11	18	0.26	0.07	0.26
(1,313)	1:62:A:LEU:HD21	1:58:A:LEU:HD12	18	0.25	0.06	0.26
(1,313)	1:62:A:LEU:HD22	1:58:A:LEU:HD11	18	0.25	0.06	0.26
(1,313)	1:62:A:LEU:HD22	1:58:A:LEU:HD12	18	0.25	0.06	0.26
(1,313)	1:62:A:LEU:HD23	1:58:A:LEU:HD12	18	0.25	0.06	0.26
(1,313)	1:62:A:LEU:HD21	1:58:A:LEU:HD13	18	0.25	0.06	0.26
(1,313)	1:62:A:LEU:HD21	1:58:A:LEU:HD11	18	0.25	0.06	0.26
(1,313)	1:62:A:LEU:HD23	1:58:A:LEU:HD11	18	0.25	0.06	0.26
(1,313)	1:62:A:LEU:HD23	1:58:A:LEU:HD13	18	0.25	0.06	0.26
(1,314)	1:62:B:LEU:HD21	1:58:B:LEU:HD12	18	0.25	0.06	0.26
(1,314)	1:62:B:LEU:HD22	1:58:B:LEU:HD11	18	0.25	0.06	0.26
(1,314)	1:62:B:LEU:HD22	1:58:B:LEU:HD12	18	0.25	0.06	0.26
(1,314)	1:62:B:LEU:HD23	1:58:B:LEU:HD12	18	0.25	0.06	0.26
(1,314)	1:62:B:LEU:HD21	1:58:B:LEU:HD13	18	0.25	0.06	0.26
(1,314)	1:62:B:LEU:HD21	1:58:B:LEU:HD11	18	0.25	0.06	0.26
(1,314)	1:62:B:LEU:HD23	1:58:B:LEU:HD11	18	0.25	0.06	0.26
(1,314)	1:62:B:LEU:HD23	1:58:B:LEU:HD13	18	0.25	0.06	0.26
(1,2285)	1:3:A:SER:H	1:40:B:ARG:HA	18	0.25	0.06	0.26
(1,2286)	1:3:B:SER:H	1:40:A:ARG:HA	18	0.25	0.06	0.26
(2,227)	1:9:A:LEU:H	1:5:A:LEU:HB2	18	0.22	0.05	0.22
(2,228)	1:9:B:LEU:H	1:5:B:LEU:HB2	18	0.22	0.05	0.22
(1,4134)	1:70:B:VAL:HA	1:62:B:LEU:HB3	18	0.2	0.04	0.2
(1,4133)	1:70:A:VAL:HA	1:62:A:LEU:HB3	18	0.2	0.04	0.2
(1,4590)	1:62:B:LEU:H	1:59:B:MET:H	18	0.19	0.04	0.18
(1,4589)	1:62:A:LEU:H	1:59:A:MET:H	18	0.19	0.04	0.18
(1,4408)	1:61:B:ASN:H	1:62:B:LEU:HG	18	0.16	0.03	0.15
(1,234)	1:13:B:VAL:HG23	1:13:B:VAL:HA	18	0.15	0.03	0.15
(1,234)	1:13:B:VAL:HG21	1:13:B:VAL:HA	18	0.15	0.03	0.15
(1,234)	1:13:B:VAL:HG22	1:13:B:VAL:HA	18	0.15	0.03	0.15
(1,324)	1:58:B:LEU:HD13	1:58:B:LEU:HB2	18	0.13	0.02	0.12
(1,324)	1:58:B:LEU:HD12	1:58:B:LEU:HB2	18	0.13	0.02	0.12
(1,324)	1:58:B:LEU:HD11	1:58:B:LEU:HB2	18	0.13	0.02	0.12
(1,181)	1:50:A:THR:HG22	1:48:A:LYS:HB3	17	1.06	0.5	1.3
(1,181)	1:50:A:THR:HG21	1:48:A:LYS:HB3	17	1.06	0.5	1.3
(1,181)	1:50:A:THR:HG23	1:48:A:LYS:HB3	17	1.06	0.5	1.3
(1,182)	1:50:B:THR:HG22	1:48:B:LYS:HB3	17	1.06	0.5	1.3
(1,182)	1:50:B:THR:HG21	1:48:B:LYS:HB3	17	1.06	0.5	1.3
(1,182)	1:50:B:THR:HG23	1:48:B:LYS:HB3	17	1.06	0.5	1.3
(1,2719)	1:61:A:ASN:H	1:66:A:ARG:HD2	17	0.86	0.12	0.89
(1,2720)	1:61:B:ASN:H	1:66:B:ARG:HD2	17	0.86	0.12	0.88
(1,1506)	1:92:B:GLY:HA3	1:91:B:GLU:HG3	17	0.85	0.2	0.77

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1506)	1:92:B:GLY:HA2	1:91:B:GLU:HG3	17	0.85	0.2	0.77
(1,1505)	1:92:A:GLY:HA3	1:91:A:GLU:HG3	17	0.85	0.2	0.77
(1,1505)	1:92:A:GLY:HA2	1:91:A:GLU:HG3	17	0.85	0.2	0.77
(1,3048)	1:97:B:GLN:HE22	1:96:B:LYS:H	17	0.77	0.29	0.77
(1,3047)	1:97:A:GLN:HE22	1:96:A:LYS:H	17	0.77	0.29	0.76
(1,3344)	1:77:B:VAL:HG12	1:84:A:MET:HG2	17	0.69	0.19	0.69
(1,3344)	1:77:B:VAL:HG13	1:84:A:MET:HG2	17	0.69	0.19	0.69
(1,3344)	1:77:B:VAL:HG12	1:84:A:MET:HG3	17	0.69	0.19	0.69
(1,3344)	1:77:B:VAL:HG11	1:84:A:MET:HG2	17	0.69	0.19	0.69
(1,3343)	1:77:A:VAL:HG12	1:84:B:MET:HG2	17	0.69	0.2	0.69
(1,3343)	1:77:A:VAL:HG13	1:84:B:MET:HG2	17	0.69	0.2	0.69
(1,3343)	1:77:A:VAL:HG12	1:84:B:MET:HG3	17	0.69	0.2	0.69
(1,3343)	1:77:A:VAL:HG11	1:84:B:MET:HG2	17	0.69	0.2	0.69
(1,1069)	1:88:A:GLU:HG3	1:96:A:LYS:HE3	17	0.55	0.3	0.45
(1,1069)	1:88:A:GLU:HG3	1:96:A:LYS:HE2	17	0.55	0.3	0.45
(1,1070)	1:88:B:GLU:HG3	1:96:B:LYS:HE3	17	0.55	0.3	0.45
(1,1070)	1:88:B:GLU:HG3	1:96:B:LYS:HE2	17	0.55	0.3	0.45
(1,1992)	1:60:B:SER:HB2	1:66:B:ARG:HD3	17	0.43	0.2	0.42
(1,1992)	1:60:B:SER:HB3	1:66:B:ARG:HD3	17	0.43	0.2	0.42
(1,1991)	1:60:A:SER:HB2	1:66:A:ARG:HD3	17	0.43	0.2	0.43
(1,1991)	1:60:A:SER:HB3	1:66:A:ARG:HD3	17	0.43	0.2	0.43
(1,3457)	1:26:A:LYS:HG3	1:28:A:LYS:H	17	0.4	0.1	0.4
(1,3457)	1:26:A:LYS:HG2	1:22:A:LYS:H	17	0.4	0.1	0.4
(1,3458)	1:26:B:LYS:HG3	1:28:B:LYS:H	17	0.4	0.1	0.4
(1,3458)	1:26:B:LYS:HG2	1:22:B:LYS:H	17	0.4	0.1	0.4
(1,4348)	1:16:B:PHE:H	1:37:B:LEU:HD12	17	0.38	0.23	0.32
(1,4348)	1:16:B:PHE:H	1:37:B:LEU:HD13	17	0.38	0.23	0.32
(1,4348)	1:16:B:PHE:H	1:37:B:LEU:HD11	17	0.38	0.23	0.32
(1,4390)	1:76:B:SER:H	1:79:B:LEU:HD13	17	0.38	0.22	0.33
(1,4390)	1:76:B:SER:H	1:79:B:LEU:HD12	17	0.38	0.22	0.33
(1,4390)	1:76:B:SER:H	1:79:B:LEU:HD21	17	0.38	0.22	0.33
(1,4390)	1:76:B:SER:H	1:79:B:LEU:HD11	17	0.38	0.22	0.33
(1,4389)	1:76:A:SER:H	1:79:A:LEU:HD13	17	0.38	0.22	0.33
(1,4389)	1:76:A:SER:H	1:79:A:LEU:HD12	17	0.38	0.22	0.33
(1,4389)	1:76:A:SER:H	1:79:A:LEU:HD21	17	0.38	0.22	0.33
(1,4389)	1:76:A:SER:H	1:79:A:LEU:HD11	17	0.38	0.22	0.33
(1,4347)	1:16:A:PHE:H	1:37:A:LEU:HD12	17	0.38	0.23	0.32
(1,4347)	1:16:A:PHE:H	1:37:A:LEU:HD13	17	0.38	0.23	0.32
(1,4347)	1:16:A:PHE:H	1:37:A:LEU:HD11	17	0.38	0.23	0.32
(1,2545)	1:93:A:PHE:H	1:96:A:LYS:HE3	17	0.35	0.13	0.34
(1,2545)	1:93:A:PHE:H	1:96:A:LYS:HE2	17	0.35	0.13	0.34
(1,2546)	1:93:B:PHE:H	1:96:B:LYS:HE3	17	0.35	0.13	0.33

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2546)	1:93:B:PHE:H	1:96:B:LYS:HE2	17	0.35	0.13	0.33
(1,4254)	1:77:B:VAL:H	1:62:B:LEU:HB3	17	0.34	0.14	0.3
(1,4254)	1:77:B:VAL:H	1:83:A:ALA:HB2	17	0.34	0.14	0.3
(1,3475)	1:46:A:LEU:HD22	1:45:A:PHE:HB3	17	0.33	0.11	0.34
(1,3475)	1:46:A:LEU:HD21	1:45:A:PHE:HB3	17	0.33	0.11	0.34
(1,3475)	1:46:A:LEU:HD23	1:45:A:PHE:HB3	17	0.33	0.11	0.34
(1,3475)	1:46:A:LEU:HD23	1:49:A:ARG:HD3	17	0.33	0.11	0.34
(1,3475)	1:46:A:LEU:HD22	1:49:A:ARG:HD3	17	0.33	0.11	0.34
(1,3475)	1:46:A:LEU:HD21	1:49:A:ARG:HD3	17	0.33	0.11	0.34
(1,3476)	1:46:B:LEU:HD22	1:45:B:PHE:HB3	17	0.33	0.11	0.35
(1,3476)	1:46:B:LEU:HD21	1:45:B:PHE:HB3	17	0.33	0.11	0.35
(1,3476)	1:46:B:LEU:HD23	1:45:B:PHE:HB3	17	0.33	0.11	0.35
(1,3476)	1:46:B:LEU:HD23	1:49:B:ARG:HD3	17	0.33	0.11	0.35
(1,3476)	1:46:B:LEU:HD22	1:49:B:ARG:HD3	17	0.33	0.11	0.35
(1,3476)	1:46:B:LEU:HD21	1:49:B:ARG:HD3	17	0.33	0.11	0.35
(1,457)	1:58:A:LEU:HD21	1:62:A:LEU:HD13	17	0.28	0.07	0.31
(1,457)	1:58:A:LEU:HD22	1:62:A:LEU:HD13	17	0.28	0.07	0.31
(1,457)	1:58:A:LEU:HD22	1:62:A:LEU:HD11	17	0.28	0.07	0.31
(1,457)	1:58:A:LEU:HD21	1:62:A:LEU:HD12	17	0.28	0.07	0.31
(1,457)	1:58:A:LEU:HD21	1:62:A:LEU:HD11	17	0.28	0.07	0.31
(1,457)	1:58:A:LEU:HD22	1:62:A:LEU:HD12	17	0.28	0.07	0.31
(1,458)	1:58:B:LEU:HD21	1:62:B:LEU:HD13	17	0.27	0.06	0.31
(1,458)	1:58:B:LEU:HD22	1:62:B:LEU:HD13	17	0.27	0.06	0.31
(1,458)	1:58:B:LEU:HD22	1:62:B:LEU:HD11	17	0.27	0.06	0.31
(1,458)	1:58:B:LEU:HD21	1:62:B:LEU:HD12	17	0.27	0.06	0.31
(1,458)	1:58:B:LEU:HD21	1:62:B:LEU:HD11	17	0.27	0.06	0.31
(1,458)	1:58:B:LEU:HD22	1:62:B:LEU:HD12	17	0.27	0.06	0.31
(1,3979)	1:42:A:LEU:HA	1:44:A:SER:HB3	17	0.25	0.14	0.26
(1,3979)	1:42:A:LEU:HA	1:6:B:GLU:HA	17	0.25	0.14	0.26
(2,222)	1:5:B:LEU:H	1:41:A:GLU:HA	17	0.25	0.06	0.24
(1,3980)	1:42:B:LEU:HA	1:44:B:SER:HB3	17	0.25	0.13	0.25
(1,3980)	1:42:B:LEU:HA	1:6:A:GLU:HA	17	0.25	0.13	0.25
(2,221)	1:5:A:LEU:H	1:41:B:GLU:HA	17	0.25	0.07	0.23
(1,2304)	1:45:B:PHE:H	1:7:A:LYS:HD3	17	0.24	0.14	0.17
(1,2304)	1:45:B:PHE:H	1:7:A:LYS:HD2	17	0.24	0.14	0.17
(1,2751)	1:34:A:LEU:H	1:29:A:LEU:HD13	17	0.24	0.06	0.24
(1,2751)	1:34:A:LEU:H	1:29:A:LEU:HD11	17	0.24	0.06	0.24
(1,2751)	1:34:A:LEU:H	1:29:A:LEU:HD12	17	0.24	0.06	0.24
(1,2752)	1:34:B:LEU:H	1:29:B:LEU:HD13	17	0.24	0.06	0.24
(1,2752)	1:34:B:LEU:H	1:29:B:LEU:HD11	17	0.24	0.06	0.24
(1,2752)	1:34:B:LEU:H	1:29:B:LEU:HD12	17	0.24	0.06	0.24
(1,579)	1:29:A:LEU:HD23	1:70:A:VAL:H	17	0.24	0.07	0.25

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,579)	1:29:A:LEU:HD22	1:70:A:VAL:H	17	0.24	0.07	0.25
(1,579)	1:29:A:LEU:HD21	1:70:A:VAL:H	17	0.24	0.07	0.25
(1,580)	1:29:B:LEU:HD23	1:70:B:VAL:H	17	0.24	0.07	0.25
(1,580)	1:29:B:LEU:HD22	1:70:B:VAL:H	17	0.24	0.07	0.25
(1,580)	1:29:B:LEU:HD21	1:70:B:VAL:H	17	0.24	0.07	0.25
(1,1207)	1:61:A:ASN:HB3	1:62:A:LEU:HG	17	0.17	0.02	0.17
(1,1208)	1:61:B:ASN:HB3	1:62:B:LEU:HG	17	0.17	0.02	0.17
(1,1835)	1:37:A:LEU:HA	1:40:A:ARG:HB3	17	0.16	0.14	0.13
(1,1836)	1:37:B:LEU:HA	1:40:B:ARG:HB3	17	0.16	0.14	0.13
(3,100)	1:10:B:ASP:H	1:6:B:GLU:O	17	0.16	0.03	0.16
(3,8)	1:10:A:ASP:H	1:6:A:GLU:O	17	0.16	0.04	0.16
(1,1493)	1:42:A:LEU:HB2	1:42:A:LEU:HD21	17	0.15	0.03	0.15
(1,1493)	1:42:A:LEU:HB2	1:42:A:LEU:HD23	17	0.15	0.03	0.15
(1,1493)	1:42:A:LEU:HB2	1:42:A:LEU:HD22	17	0.15	0.03	0.15
(1,1494)	1:42:B:LEU:HB2	1:42:B:LEU:HD21	17	0.15	0.03	0.15
(1,1494)	1:42:B:LEU:HB2	1:42:B:LEU:HD23	17	0.15	0.03	0.15
(1,1494)	1:42:B:LEU:HB2	1:42:B:LEU:HD22	17	0.15	0.03	0.15
(1,233)	1:13:A:VAL:HG23	1:13:A:VAL:HA	17	0.15	0.03	0.15
(1,233)	1:13:A:VAL:HG21	1:13:A:VAL:HA	17	0.15	0.03	0.15
(1,233)	1:13:A:VAL:HG22	1:13:A:VAL:HA	17	0.15	0.03	0.15
(3,26)	1:19:A:TYR:H	1:15:A:THR:O	17	0.15	0.03	0.14
(3,118)	1:19:B:TYR:H	1:15:B:THR:O	17	0.14	0.03	0.14
(1,3890)	1:7:B:LYS:HE3	1:38:A:LEU:HD13	16	1.78	0.64	1.66
(1,3890)	1:48:B:LYS:HE2	1:46:B:LEU:HD22	16	1.78	0.64	1.66
(1,3890)	1:7:B:LYS:HE3	1:38:A:LEU:HD11	16	1.78	0.64	1.66
(1,3890)	1:48:B:LYS:HE2	1:46:B:LEU:HD21	16	1.78	0.64	1.66
(1,3890)	1:7:B:LYS:HE2	1:38:A:LEU:HD12	16	1.78	0.64	1.66
(1,3890)	1:7:B:LYS:HE3	1:38:A:LEU:HD12	16	1.78	0.64	1.66
(1,3890)	1:48:B:LYS:HE2	1:46:B:LEU:HD23	16	1.78	0.64	1.66
(1,3889)	1:7:A:LYS:HE3	1:38:B:LEU:HD13	16	1.78	0.64	1.68
(1,3889)	1:48:A:LYS:HE2	1:46:A:LEU:HD22	16	1.78	0.64	1.68
(1,3889)	1:7:A:LYS:HE3	1:38:B:LEU:HD11	16	1.78	0.64	1.68
(1,3889)	1:48:A:LYS:HE2	1:46:A:LEU:HD21	16	1.78	0.64	1.68
(1,3889)	1:7:A:LYS:HE2	1:38:B:LEU:HD12	16	1.78	0.64	1.68
(1,3889)	1:7:A:LYS:HE3	1:38:B:LEU:HD12	16	1.78	0.64	1.68
(1,3889)	1:48:A:LYS:HE2	1:46:A:LEU:HD23	16	1.78	0.64	1.68
(1,116)	1:2:B:ALA:HB3	1:7:B:LYS:HE3	16	1.06	0.31	1.2
(1,116)	1:2:B:ALA:HB2	1:7:B:LYS:HE2	16	1.06	0.31	1.2
(1,116)	1:2:B:ALA:HB2	1:7:B:LYS:HE3	16	1.06	0.31	1.2
(1,116)	1:2:B:ALA:HB1	1:7:B:LYS:HE2	16	1.06	0.31	1.2
(1,116)	1:2:B:ALA:HB1	1:7:B:LYS:HE3	16	1.06	0.31	1.2
(1,116)	1:2:B:ALA:HB3	1:7:B:LYS:HE2	16	1.06	0.31	1.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,115)	1:2:A:ALA:HB3	1:7:A:LYS:HE3	16	1.06	0.31	1.2
(1,115)	1:2:A:ALA:HB2	1:7:A:LYS:HE2	16	1.06	0.31	1.2
(1,115)	1:2:A:ALA:HB2	1:7:A:LYS:HE3	16	1.06	0.31	1.2
(1,115)	1:2:A:ALA:HB1	1:7:A:LYS:HE2	16	1.06	0.31	1.2
(1,115)	1:2:A:ALA:HB1	1:7:A:LYS:HE3	16	1.06	0.31	1.2
(1,115)	1:2:A:ALA:HB3	1:7:A:LYS:HE2	16	1.06	0.31	1.2
(1,3859)	1:31:A:LYS:HE3	1:60:A:SER:HA	16	1.04	0.44	0.94
(1,3859)	1:31:A:LYS:HE2	1:53:A:ALA:HA	16	1.04	0.44	0.94
(1,3859)	1:31:A:LYS:HE3	1:52:A:GLU:HA	16	1.04	0.44	0.94
(1,3859)	1:31:A:LYS:HE3	1:53:A:ALA:HA	16	1.04	0.44	0.94
(1,3859)	1:31:A:LYS:HE2	1:52:A:GLU:HA	16	1.04	0.44	0.94
(1,3860)	1:31:B:LYS:HE3	1:60:B:SER:HA	16	1.04	0.44	0.94
(1,3860)	1:31:B:LYS:HE2	1:53:B:ALA:HA	16	1.04	0.44	0.94
(1,3860)	1:31:B:LYS:HE3	1:52:B:GLU:HA	16	1.04	0.44	0.94
(1,3860)	1:31:B:LYS:HE3	1:53:B:ALA:HA	16	1.04	0.44	0.94
(1,3860)	1:31:B:LYS:HE2	1:52:B:GLU:HA	16	1.04	0.44	0.94
(1,3853)	1:32:A:SER:H	1:31:A:LYS:HE3	16	0.9	0.17	0.93
(1,3853)	1:32:A:SER:H	1:31:A:LYS:HE2	16	0.9	0.17	0.93
(1,4505)	1:32:A:SER:H	1:31:A:LYS:HE3	16	0.9	0.17	0.93
(1,4505)	1:32:A:SER:H	1:31:A:LYS:HE2	16	0.9	0.17	0.93
(1,3854)	1:32:B:SER:H	1:31:B:LYS:HE3	16	0.9	0.17	0.92
(1,3854)	1:32:B:SER:H	1:31:B:LYS:HE2	16	0.9	0.17	0.92
(1,4506)	1:32:B:SER:H	1:31:B:LYS:HE3	16	0.9	0.17	0.92
(1,4506)	1:32:B:SER:H	1:31:B:LYS:HE2	16	0.9	0.17	0.92
(1,4197)	1:50:A:THR:HB	1:54:A:ALA:H	16	0.82	0.25	0.9
(1,4197)	1:50:A:THR:HB	1:39:A:THR:H	16	0.82	0.25	0.9
(1,4198)	1:50:B:THR:HB	1:54:B:ALA:H	16	0.82	0.25	0.89
(1,4198)	1:50:B:THR:HB	1:39:B:THR:H	16	0.82	0.25	0.89
(1,2133)	1:25:A:ASP:H	1:28:A:LYS:HG2	16	0.68	0.33	0.72
(1,2134)	1:25:B:ASP:H	1:28:B:LYS:HG2	16	0.68	0.33	0.72
(1,731)	1:52:A:GLU:HB3	1:31:A:LYS:HE2	16	0.65	0.16	0.68
(1,731)	1:52:A:GLU:HB3	1:31:A:LYS:HE3	16	0.65	0.16	0.68
(1,732)	1:52:B:GLU:HB3	1:31:B:LYS:HE2	16	0.65	0.16	0.68
(1,732)	1:52:B:GLU:HB3	1:31:B:LYS:HE3	16	0.65	0.16	0.68
(1,2786)	1:89:B:PHE:H	1:13:A:VAL:HG12	16	0.57	0.23	0.44
(1,2786)	1:89:B:PHE:H	1:13:A:VAL:HG13	16	0.57	0.23	0.44
(1,2786)	1:89:B:PHE:H	1:13:A:VAL:HG11	16	0.57	0.23	0.44
(1,2785)	1:89:A:PHE:H	1:13:B:VAL:HG12	16	0.57	0.23	0.44
(1,2785)	1:89:A:PHE:H	1:13:B:VAL:HG13	16	0.57	0.23	0.44
(1,2785)	1:89:A:PHE:H	1:13:B:VAL:HG11	16	0.57	0.23	0.44
(1,3352)	1:13:B:VAL:HG12	1:90:A:PHE:H	16	0.56	0.21	0.55
(1,3352)	1:11:B:VAL:HG11	1:10:B:ASP:H	16	0.56	0.21	0.55

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3352)	1:13:B:VAL:HG13	1:90:A:PHE:H	16	0.56	0.21	0.55
(1,3352)	1:13:B:VAL:HG11	1:90:A:PHE:H	16	0.56	0.21	0.55
(1,3351)	1:13:A:VAL:HG12	1:90:B:PHE:H	16	0.56	0.21	0.55
(1,3351)	1:11:A:VAL:HG11	1:10:A:ASP:H	16	0.56	0.21	0.55
(1,3351)	1:13:A:VAL:HG13	1:90:B:PHE:H	16	0.56	0.21	0.55
(1,3351)	1:13:A:VAL:HG11	1:90:B:PHE:H	16	0.56	0.21	0.55
(1,1252)	1:63:B:ASP:HB2	1:60:B:SER:HA	16	0.54	0.15	0.56
(1,1251)	1:63:A:ASP:HB2	1:60:A:SER:HA	16	0.54	0.15	0.56
(1,9)	1:5:A:LEU:HD13	1:15:B:THR:HB	16	0.45	0.27	0.38
(1,9)	1:5:A:LEU:HD12	1:15:B:THR:HB	16	0.45	0.27	0.38
(1,9)	1:5:A:LEU:HD11	1:15:B:THR:HB	16	0.45	0.27	0.38
(1,10)	1:5:B:LEU:HD13	1:15:A:THR:HB	16	0.45	0.27	0.37
(1,10)	1:5:B:LEU:HD12	1:15:A:THR:HB	16	0.45	0.27	0.37
(1,10)	1:5:B:LEU:HD11	1:15:A:THR:HB	16	0.45	0.27	0.37
(1,2096)	1:26:B:LYS:H	1:26:B:LYS:HG2	16	0.41	0.15	0.39
(1,2096)	1:26:B:LYS:H	1:26:B:LYS:HG3	16	0.41	0.15	0.39
(1,2095)	1:26:A:LYS:H	1:26:A:LYS:HG2	16	0.41	0.15	0.38
(1,2095)	1:26:A:LYS:H	1:26:A:LYS:HG3	16	0.41	0.15	0.38
(1,2036)	1:43:B:PRO:HA	1:7:A:LYS:HD3	16	0.35	0.14	0.34
(1,2036)	1:43:B:PRO:HA	1:7:A:LYS:HD2	16	0.35	0.14	0.34
(1,2035)	1:43:A:PRO:HA	1:7:B:LYS:HD3	16	0.35	0.15	0.33
(1,2035)	1:43:A:PRO:HA	1:7:B:LYS:HD2	16	0.35	0.15	0.33
(1,1479)	1:42:A:LEU:HB2	1:45:A:PHE:HA	16	0.34	0.12	0.38
(2,195)	1:22:A:LYS:H	1:19:A:TYR:HB2	16	0.34	0.15	0.3
(2,196)	1:22:B:LYS:H	1:19:B:TYR:HB2	16	0.34	0.15	0.3
(1,3780)	1:57:B:LYS:HB3	1:61:B:ASN:HB3	16	0.32	0.14	0.31
(1,3780)	1:87:B:ASN:HB2	1:88:B:GLU:HB2	16	0.32	0.14	0.31
(1,3779)	1:57:A:LYS:HB3	1:61:A:ASN:HB3	16	0.31	0.14	0.31
(1,3779)	1:87:A:ASN:HB2	1:88:A:GLU:HB2	16	0.31	0.14	0.31
(1,1189)	1:28:A:LYS:HB2	1:26:A:LYS:HA	16	0.26	0.07	0.24
(1,2303)	1:45:A:PHE:H	1:7:B:LYS:HD3	16	0.25	0.14	0.16
(1,2303)	1:45:A:PHE:H	1:7:B:LYS:HD2	16	0.25	0.14	0.16
(1,562)	1:9:B:LEU:HG	1:10:B:ASP:HB2	16	0.24	0.07	0.23
(1,562)	1:9:B:LEU:HG	1:10:B:ASP:HB3	16	0.24	0.07	0.23
(1,561)	1:9:A:LEU:HG	1:10:A:ASP:HB2	16	0.24	0.07	0.24
(1,561)	1:9:A:LEU:HG	1:10:A:ASP:HB3	16	0.24	0.07	0.24
(1,1572)	1:71:B:ASP:HA	1:70:B:VAL:HG11	16	0.22	0.04	0.23
(1,1572)	1:71:B:ASP:HA	1:70:B:VAL:HG13	16	0.22	0.04	0.23
(1,1572)	1:71:B:ASP:HA	1:70:B:VAL:HG12	16	0.22	0.04	0.23
(1,1571)	1:71:A:ASP:HA	1:70:A:VAL:HG11	16	0.22	0.04	0.23
(1,1571)	1:71:A:ASP:HA	1:70:A:VAL:HG13	16	0.22	0.04	0.23
(1,1571)	1:71:A:ASP:HA	1:70:A:VAL:HG12	16	0.22	0.04	0.23

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4418)	1:35:B:LYS:H	1:36:B:GLU:HG3	16	0.2	0.05	0.22
(1,4417)	1:35:A:LYS:H	1:36:A:GLU:HG3	16	0.2	0.05	0.21
(1,2774)	1:59:B:MET:H	1:62:B:LEU:HD13	16	0.19	0.07	0.16
(1,2774)	1:59:B:MET:H	1:62:B:LEU:HD11	16	0.19	0.07	0.16
(1,2774)	1:59:B:MET:H	1:62:B:LEU:HD12	16	0.19	0.07	0.16
(1,2773)	1:59:A:MET:H	1:62:A:LEU:HD13	16	0.19	0.07	0.16
(1,2773)	1:59:A:MET:H	1:62:A:LEU:HD11	16	0.19	0.07	0.16
(1,2773)	1:59:A:MET:H	1:62:A:LEU:HD12	16	0.19	0.07	0.16
(1,4521)	1:80:A:SER:H	1:82:A:ILE:HG13	16	0.19	0.07	0.18
(1,4522)	1:80:B:SER:H	1:82:B:ILE:HG13	16	0.19	0.07	0.18
(3,16)	1:14:A:SER:H	1:10:A:ASP:O	16	0.15	0.03	0.14
(3,108)	1:14:B:SER:H	1:10:B:ASP:O	16	0.15	0.04	0.15
(3,14)	1:13:A:VAL:H	1:9:A:LEU:O	16	0.13	0.02	0.13
(3,106)	1:13:B:VAL:H	1:9:B:LEU:O	16	0.12	0.02	0.13
(1,40)	1:82:B:ILE:HD11	1:6:A:GLU:HB2	15	1.14	0.3	1.04
(1,40)	1:82:B:ILE:HD13	1:6:A:GLU:HB2	15	1.14	0.3	1.04
(1,40)	1:82:B:ILE:HD12	1:6:A:GLU:HB2	15	1.14	0.3	1.04
(1,39)	1:82:A:ILE:HD11	1:6:B:GLU:HB2	15	1.14	0.3	1.04
(1,39)	1:82:A:ILE:HD13	1:6:B:GLU:HB2	15	1.14	0.3	1.04
(1,39)	1:82:A:ILE:HD12	1:6:B:GLU:HB2	15	1.14	0.3	1.04
(1,3619)	1:17:A:HIS:HB2	1:13:A:VAL:HG11	15	0.8	0.16	0.85
(1,3619)	1:17:A:HIS:HB2	1:13:A:VAL:HG12	15	0.8	0.16	0.85
(1,3619)	1:17:A:HIS:HB2	1:13:A:VAL:HG13	15	0.8	0.16	0.85
(1,3620)	1:17:B:HIS:HB2	1:13:B:VAL:HG11	15	0.8	0.16	0.85
(1,3620)	1:17:B:HIS:HB2	1:13:B:VAL:HG12	15	0.8	0.16	0.85
(1,3620)	1:17:B:HIS:HB2	1:13:B:VAL:HG13	15	0.8	0.16	0.85
(1,3755)	1:70:A:VAL:HG21	1:74:A:GLU:HG3	15	0.68	0.18	0.66
(1,3755)	1:70:A:VAL:HG22	1:74:A:GLU:HG3	15	0.68	0.18	0.66
(1,3755)	1:70:A:VAL:HG23	1:74:A:GLU:HG3	15	0.68	0.18	0.66
(1,3756)	1:70:B:VAL:HG21	1:74:B:GLU:HG3	15	0.67	0.18	0.66
(1,3756)	1:70:B:VAL:HG22	1:74:B:GLU:HG3	15	0.67	0.18	0.66
(1,3756)	1:70:B:VAL:HG23	1:74:B:GLU:HG3	15	0.67	0.18	0.66
(1,4371)	1:95:A:ASP:H	1:91:A:GLU:HG3	15	0.46	0.13	0.52
(1,4371)	1:95:A:ASP:H	1:94:A:PRO:HB3	15	0.46	0.13	0.52
(1,4372)	1:95:B:ASP:H	1:91:B:GLU:HG3	15	0.46	0.12	0.52
(1,4372)	1:95:B:ASP:H	1:94:B:PRO:HB3	15	0.46	0.12	0.52
(1,943)	1:59:A:MET:HG3	1:31:A:LYS:HE3	15	0.43	0.33	0.34
(1,943)	1:59:A:MET:HG3	1:31:A:LYS:HE2	15	0.43	0.33	0.34
(1,2193)	1:12:A:MET:H	1:79:A:LEU:HD11	15	0.4	0.16	0.39
(1,2193)	1:12:A:MET:H	1:79:A:LEU:HD13	15	0.4	0.16	0.39
(1,2193)	1:12:A:MET:H	1:79:A:LEU:HD12	15	0.4	0.16	0.39
(1,2194)	1:12:B:MET:H	1:79:B:LEU:HD11	15	0.4	0.16	0.39

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2194)	1:12:B:MET:H	1:79:B:LEU:HD13	15	0.4	0.16	0.39
(1,2194)	1:12:B:MET:H	1:79:B:LEU:HD12	15	0.4	0.16	0.39
(1,1368)	1:18:B:LYS:HE2	1:11:B:VAL:HG12	15	0.4	0.23	0.35
(1,1368)	1:18:B:LYS:HE2	1:11:B:VAL:HG11	15	0.4	0.23	0.35
(1,1368)	1:18:B:LYS:HE2	1:11:B:VAL:HG13	15	0.4	0.23	0.35
(1,1367)	1:18:A:LYS:HE2	1:11:A:VAL:HG12	15	0.4	0.23	0.35
(1,1367)	1:18:A:LYS:HE2	1:11:A:VAL:HG11	15	0.4	0.23	0.35
(1,1367)	1:18:A:LYS:HE2	1:11:A:VAL:HG13	15	0.4	0.23	0.35
(1,1480)	1:42:B:LEU:HB2	1:45:B:PHE:HA	15	0.35	0.11	0.38
(1,838)	1:34:B:LEU:HD23	1:59:B:MET:HB3	15	0.34	0.24	0.21
(1,838)	1:34:B:LEU:HD22	1:59:B:MET:HB3	15	0.34	0.24	0.21
(1,838)	1:34:B:LEU:HD21	1:59:B:MET:HB3	15	0.34	0.24	0.21
(1,837)	1:34:A:LEU:HD23	1:59:A:MET:HB3	15	0.34	0.23	0.21
(1,837)	1:34:A:LEU:HD22	1:59:A:MET:HB3	15	0.34	0.23	0.21
(1,837)	1:34:A:LEU:HD21	1:59:A:MET:HB3	15	0.34	0.23	0.21
(1,709)	1:22:A:LYS:HD3	1:37:A:LEU:HB2	15	0.34	0.13	0.32
(1,710)	1:22:B:LYS:HD3	1:37:B:LEU:HB2	15	0.33	0.13	0.32
(1,365)	1:96:A:LYS:HG2	1:91:A:GLU:H	15	0.32	0.17	0.31
(1,365)	1:96:A:LYS:HG3	1:91:A:GLU:H	15	0.32	0.17	0.31
(1,366)	1:96:B:LYS:HG2	1:91:B:GLU:H	15	0.32	0.17	0.3
(1,366)	1:96:B:LYS:HG3	1:91:B:GLU:H	15	0.32	0.17	0.3
(1,3238)	1:99:B:ARG:H	1:99:B:ARG:HB2	15	0.28	0.12	0.26
(1,3237)	1:99:A:ARG:H	1:99:A:ARG:HB2	15	0.28	0.12	0.26
(1,1190)	1:28:B:LYS:HB2	1:26:B:LYS:HA	15	0.27	0.06	0.25
(1,1709)	1:5:A:LEU:HA	1:5:A:LEU:HD11	15	0.23	0.04	0.24
(1,1709)	1:5:A:LEU:HA	1:5:A:LEU:HD12	15	0.23	0.04	0.24
(1,1709)	1:5:A:LEU:HA	1:5:A:LEU:HD13	15	0.23	0.04	0.24
(1,1710)	1:5:B:LEU:HA	1:5:B:LEU:HD11	15	0.22	0.05	0.23
(1,1710)	1:5:B:LEU:HA	1:5:B:LEU:HD12	15	0.22	0.05	0.23
(1,1710)	1:5:B:LEU:HA	1:5:B:LEU:HD13	15	0.22	0.05	0.23
(1,4607)	1:81:A:SER:H	1:76:A:SER:H	15	0.21	0.07	0.21
(1,4608)	1:81:B:SER:H	1:76:B:SER:H	15	0.21	0.07	0.21
(1,2680)	1:7:B:LYS:H	1:7:B:LYS:HG3	15	0.2	0.05	0.18
(1,2679)	1:7:A:LYS:H	1:7:A:LYS:HG3	15	0.2	0.05	0.18
(1,30)	1:82:B:ILE:H	1:82:B:ILE:HD11	15	0.19	0.04	0.18
(1,30)	1:82:B:ILE:H	1:82:B:ILE:HD12	15	0.19	0.04	0.18
(1,30)	1:82:B:ILE:H	1:82:B:ILE:HD13	15	0.19	0.04	0.18
(1,29)	1:82:A:ILE:H	1:82:A:ILE:HD11	15	0.19	0.04	0.18
(1,29)	1:82:A:ILE:H	1:82:A:ILE:HD12	15	0.19	0.04	0.18
(1,29)	1:82:A:ILE:H	1:82:A:ILE:HD13	15	0.19	0.04	0.18
(1,4520)	1:80:B:SER:H	1:84:B:MET:H	15	0.17	0.06	0.14
(1,4519)	1:80:A:SER:H	1:84:A:MET:H	15	0.17	0.06	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3951)	1:47:A:GLY:HA2	1:46:A:LEU:HD22	14	1.47	0.09	1.43
(1,3951)	1:47:A:GLY:HA2	1:46:A:LEU:HD23	14	1.47	0.09	1.43
(1,3951)	1:47:A:GLY:HA2	1:46:A:LEU:HD21	14	1.47	0.09	1.43
(1,3952)	1:47:B:GLY:HA2	1:46:B:LEU:HD22	14	1.46	0.09	1.42
(1,3952)	1:47:B:GLY:HA2	1:46:B:LEU:HD23	14	1.46	0.09	1.42
(1,3952)	1:47:B:GLY:HA2	1:46:B:LEU:HD21	14	1.46	0.09	1.42
(1,935)	1:98:A:PRO:HB3	1:101:A:LYS:HG2	14	1.41	0.45	1.5
(1,935)	1:98:A:PRO:HB3	1:101:A:LYS:HG3	14	1.41	0.45	1.5
(1,936)	1:98:B:PRO:HB3	1:101:B:LYS:HG2	14	1.4	0.45	1.49
(1,936)	1:98:B:PRO:HB3	1:101:B:LYS:HG3	14	1.4	0.45	1.49
(1,2355)	1:54:A:ALA:H	1:46:A:LEU:HD11	14	0.56	0.12	0.6
(1,2355)	1:54:A:ALA:H	1:46:A:LEU:HD12	14	0.56	0.12	0.6
(1,2355)	1:54:A:ALA:H	1:46:A:LEU:HD13	14	0.56	0.12	0.6
(1,4163)	1:14:A:SER:HB3	1:18:A:LYS:HD3	14	0.56	0.26	0.5
(1,2356)	1:54:B:ALA:H	1:46:B:LEU:HD11	14	0.56	0.12	0.6
(1,2356)	1:54:B:ALA:H	1:46:B:LEU:HD12	14	0.56	0.12	0.6
(1,2356)	1:54:B:ALA:H	1:46:B:LEU:HD13	14	0.56	0.12	0.6
(1,4164)	1:14:B:SER:HB3	1:18:B:LYS:HD3	14	0.56	0.26	0.52
(1,3925)	1:49:A:ARG:HD3	1:46:A:LEU:HD13	14	0.56	0.19	0.57
(1,3925)	1:46:A:LEU:HD22	1:49:A:ARG:HD3	14	0.56	0.19	0.57
(1,3925)	1:46:A:LEU:HD21	1:49:A:ARG:HD3	14	0.56	0.19	0.57
(1,3925)	1:46:A:LEU:HD23	1:49:A:ARG:HD3	14	0.56	0.19	0.57
(1,3925)	1:49:A:ARG:HD3	1:46:A:LEU:HD12	14	0.56	0.19	0.57
(1,3926)	1:49:B:ARG:HD3	1:46:B:LEU:HD13	14	0.56	0.19	0.57
(1,3926)	1:46:B:LEU:HD22	1:49:B:ARG:HD3	14	0.56	0.19	0.57
(1,3926)	1:46:B:LEU:HD21	1:49:B:ARG:HD3	14	0.56	0.19	0.57
(1,3926)	1:46:B:LEU:HD23	1:49:B:ARG:HD3	14	0.56	0.19	0.57
(1,3926)	1:49:B:ARG:HD3	1:46:B:LEU:HD12	14	0.56	0.19	0.57
(1,475)	1:28:A:LYS:HG2	1:25:A:ASP:HB2	14	0.47	0.3	0.34
(1,476)	1:28:B:LYS:HG2	1:25:B:ASP:HB2	14	0.47	0.31	0.33
(1,944)	1:59:B:MET:HG3	1:31:B:LYS:HE3	14	0.45	0.32	0.36
(1,944)	1:59:B:MET:HG3	1:31:B:LYS:HE2	14	0.45	0.32	0.36
(1,4487)	1:17:A:HIS:H	1:26:A:LYS:HD2	14	0.44	0.15	0.41
(1,4488)	1:17:B:HIS:H	1:26:B:LYS:HD2	14	0.43	0.16	0.41
(1,747)	1:36:A:GLU:HB2	1:37:A:LEU:HD12	14	0.37	0.12	0.34
(1,747)	1:36:A:GLU:HB2	1:37:A:LEU:HD13	14	0.37	0.12	0.34
(1,747)	1:36:A:GLU:HB2	1:37:A:LEU:HD11	14	0.37	0.12	0.34
(1,748)	1:36:B:GLU:HB2	1:37:B:LEU:HD12	14	0.37	0.12	0.34
(1,748)	1:36:B:GLU:HB2	1:37:B:LEU:HD13	14	0.37	0.12	0.34
(1,748)	1:36:B:GLU:HB2	1:37:B:LEU:HD11	14	0.37	0.12	0.34
(1,3698)	1:56:B:GLN:HG3	1:57:B:LYS:HE2	14	0.37	0.24	0.3
(1,3698)	1:56:B:GLN:HG2	1:57:B:LYS:HE2	14	0.37	0.24	0.3

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3698)	1:56:B:GLN:HG2	1:31:B:LYS:HE2	14	0.37	0.24	0.3
(1,3698)	1:56:B:GLN:HG2	1:31:B:LYS:HE3	14	0.37	0.24	0.3
(1,3697)	1:56:A:GLN:HG2	1:57:A:LYS:HE2	14	0.37	0.24	0.29
(1,3697)	1:56:A:GLN:HG3	1:57:A:LYS:HE2	14	0.37	0.24	0.29
(1,3697)	1:56:A:GLN:HG2	1:31:A:LYS:HE2	14	0.37	0.24	0.29
(1,3697)	1:56:A:GLN:HG2	1:31:A:LYS:HE3	14	0.37	0.24	0.29
(1,261)	1:38:A:LEU:HD12	1:45:A:PHE:HA	14	0.36	0.17	0.34
(1,261)	1:38:A:LEU:HD11	1:45:A:PHE:HA	14	0.36	0.17	0.34
(1,261)	1:38:A:LEU:HD13	1:45:A:PHE:HA	14	0.36	0.17	0.34
(1,262)	1:38:B:LEU:HD12	1:45:B:PHE:HA	14	0.36	0.17	0.34
(1,262)	1:38:B:LEU:HD11	1:45:B:PHE:HA	14	0.36	0.17	0.34
(1,262)	1:38:B:LEU:HD13	1:45:B:PHE:HA	14	0.36	0.17	0.34
(1,3624)	1:43:B:PRO:HB3	1:39:B:THR:HA	14	0.31	0.08	0.3
(1,3624)	1:43:B:PRO:HB3	1:47:B:GLY:HA3	14	0.31	0.08	0.3
(1,3623)	1:43:A:PRO:HB3	1:39:A:THR:HA	14	0.31	0.08	0.29
(1,3623)	1:43:A:PRO:HB3	1:47:A:GLY:HA3	14	0.31	0.08	0.29
(1,2056)	1:77:B:VAL:HA	1:73:B:GLN:HG2	14	0.3	0.32	0.2
(1,2056)	1:77:B:VAL:HA	1:73:B:GLN:HG3	14	0.3	0.32	0.2
(1,2055)	1:77:A:VAL:HA	1:73:A:GLN:HG2	14	0.3	0.32	0.2
(1,2055)	1:77:A:VAL:HA	1:73:A:GLN:HG3	14	0.3	0.32	0.2
(1,856)	1:26:B:LYS:HB3	1:21:B:GLY:HA2	14	0.27	0.12	0.29
(1,855)	1:26:A:LYS:HB3	1:21:A:GLY:HA2	14	0.27	0.12	0.29
(1,3945)	1:42:A:LEU:HB2	1:79:A:LEU:HD21	14	0.24	0.1	0.22
(1,3945)	1:42:A:LEU:HB2	1:79:A:LEU:HD23	14	0.24	0.1	0.22
(1,3945)	1:42:A:LEU:HB2	1:79:A:LEU:HD22	14	0.24	0.1	0.22
(1,3946)	1:42:B:LEU:HB2	1:79:B:LEU:HD21	14	0.24	0.1	0.22
(1,3946)	1:42:B:LEU:HB2	1:79:B:LEU:HD23	14	0.24	0.1	0.22
(1,3946)	1:42:B:LEU:HB2	1:79:B:LEU:HD22	14	0.24	0.1	0.22
(1,4424)	1:35:B:LYS:H	1:29:B:LEU:HD13	14	0.24	0.05	0.24
(1,4424)	1:35:B:LYS:H	1:29:B:LEU:HD11	14	0.24	0.05	0.24
(1,4424)	1:35:B:LYS:H	1:29:B:LEU:HD12	14	0.24	0.05	0.24
(1,4423)	1:35:A:LYS:H	1:29:A:LEU:HD13	14	0.24	0.05	0.24
(1,4423)	1:35:A:LYS:H	1:29:A:LEU:HD11	14	0.24	0.05	0.24
(1,4423)	1:35:A:LYS:H	1:29:A:LEU:HD12	14	0.24	0.05	0.24
(1,2287)	1:3:A:SER:H	1:6:A:GLU:HA	14	0.23	0.07	0.24
(1,3963)	1:2:A:ALA:HA	1:15:B:THR:HA	14	0.19	0.07	0.17
(1,3552)	1:94:B:PRO:HG3	1:101:B:LYS:HD2	13	1.14	0.34	1.22
(1,3552)	1:94:B:PRO:HG2	1:101:B:LYS:HD3	13	1.14	0.34	1.22
(1,3552)	1:94:B:PRO:HG2	1:100:B:LYS:HD2	13	1.14	0.34	1.22
(1,3552)	1:94:B:PRO:HG2	1:101:B:LYS:HD2	13	1.14	0.34	1.22
(1,3551)	1:94:A:PRO:HG3	1:101:A:LYS:HD2	13	1.14	0.34	1.21
(1,3551)	1:94:A:PRO:HG2	1:101:A:LYS:HD3	13	1.14	0.34	1.21

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3551)	1:94:A:PRO:HG2	1:100:A:LYS:HD2	13	1.14	0.34	1.21
(1,3551)	1:94:A:PRO:HG2	1:101:A:LYS:HD2	13	1.14	0.34	1.21
(1,1059)	1:88:A:GLU:HG2	1:84:A:MET:HA	13	1.13	0.44	1.27
(1,1060)	1:88:B:GLU:HG2	1:84:B:MET:HA	13	1.13	0.44	1.27
(1,1345)	1:96:A:LYS:HE2	1:73:B:GLN:HG3	13	0.83	0.38	1.0
(1,1345)	1:96:A:LYS:HE3	1:73:B:GLN:HG3	13	0.83	0.38	1.0
(1,1346)	1:96:B:LYS:HE2	1:73:A:GLN:HG3	13	0.83	0.39	1.0
(1,1346)	1:96:B:LYS:HE3	1:73:A:GLN:HG3	13	0.83	0.39	1.0
(1,1356)	1:22:B:LYS:HE3	1:22:B:LYS:HB3	13	0.82	0.3	0.96
(1,1356)	1:22:B:LYS:HE2	1:22:B:LYS:HB3	13	0.82	0.3	0.96
(1,1355)	1:22:A:LYS:HE3	1:22:A:LYS:HB3	13	0.82	0.3	0.97
(1,1355)	1:22:A:LYS:HE2	1:22:A:LYS:HB3	13	0.82	0.3	0.97
(1,756)	1:31:B:LYS:HD3	1:56:B:GLN:HE21	13	0.8	0.38	0.61
(1,756)	1:31:B:LYS:HD2	1:56:B:GLN:HE21	13	0.8	0.38	0.61
(1,755)	1:31:A:LYS:HD3	1:56:A:GLN:HE21	13	0.8	0.38	0.6
(1,755)	1:31:A:LYS:HD2	1:56:A:GLN:HE21	13	0.8	0.38	0.6
(1,3888)	1:31:B:LYS:HE2	1:35:B:LYS:HD2	13	0.73	0.48	0.61
(1,3888)	1:7:B:LYS:HE2	1:11:B:VAL:HG22	13	0.73	0.48	0.61
(1,3888)	1:7:B:LYS:HE2	1:11:B:VAL:HG21	13	0.73	0.48	0.61
(1,3888)	1:7:B:LYS:HE2	1:11:B:VAL:HG23	13	0.73	0.48	0.61
(1,3888)	1:31:B:LYS:HE3	1:35:B:LYS:HD2	13	0.73	0.48	0.61
(1,3887)	1:31:A:LYS:HE2	1:35:A:LYS:HD2	13	0.73	0.48	0.6
(1,3887)	1:7:A:LYS:HE2	1:11:A:VAL:HG22	13	0.73	0.48	0.6
(1,3887)	1:7:A:LYS:HE2	1:11:A:VAL:HG21	13	0.73	0.48	0.6
(1,3887)	1:7:A:LYS:HE2	1:11:A:VAL:HG23	13	0.73	0.48	0.6
(1,3887)	1:31:A:LYS:HE3	1:35:A:LYS:HD2	13	0.73	0.48	0.6
(2,294)	1:21:B:GLY:H	1:26:B:LYS:HB3	13	0.66	0.11	0.7
(2,293)	1:21:A:GLY:H	1:26:A:LYS:HB3	13	0.66	0.11	0.71
(1,3471)	1:31:A:LYS:HG3	1:34:A:LEU:HD22	13	0.55	0.24	0.49
(1,3471)	1:31:A:LYS:HG3	1:34:A:LEU:HD21	13	0.55	0.24	0.49
(1,3471)	1:31:A:LYS:HG3	1:34:A:LEU:HD23	13	0.55	0.24	0.49
(1,3472)	1:31:B:LYS:HG3	1:34:B:LEU:HD22	13	0.55	0.24	0.49
(1,3472)	1:31:B:LYS:HG3	1:34:B:LEU:HD21	13	0.55	0.24	0.49
(1,3472)	1:31:B:LYS:HG3	1:34:B:LEU:HD23	13	0.55	0.24	0.49
(1,1647)	1:49:A:ARG:HD2	1:49:A:ARG:HA	13	0.5	0.22	0.5
(1,1648)	1:49:B:ARG:HD2	1:49:B:ARG:HA	13	0.5	0.21	0.5
(1,171)	1:50:A:THR:HG22	1:48:A:LYS:HA	13	0.46	0.1	0.51
(1,171)	1:50:A:THR:HG21	1:48:A:LYS:HA	13	0.46	0.1	0.51
(1,171)	1:50:A:THR:HG23	1:48:A:LYS:HA	13	0.46	0.1	0.51
(1,172)	1:50:B:THR:HG22	1:48:B:LYS:HA	13	0.45	0.1	0.5
(1,172)	1:50:B:THR:HG21	1:48:B:LYS:HA	13	0.45	0.1	0.5
(1,172)	1:50:B:THR:HG23	1:48:B:LYS:HA	13	0.45	0.1	0.5

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4616)	1:56:B:GLN:HE22	1:60:B:SER:HA	13	0.43	0.1	0.45
(1,4615)	1:56:A:GLN:HE22	1:60:A:SER:HA	13	0.43	0.09	0.44
(1,4462)	1:31:B:LYS:H	1:33:B:GLU:HG3	13	0.4	0.23	0.41
(1,4462)	1:31:B:LYS:H	1:33:B:GLU:HG2	13	0.4	0.23	0.41
(1,4462)	1:31:B:LYS:H	1:59:B:MET:HG3	13	0.4	0.23	0.41
(1,1522)	1:21:B:GLY:HA3	1:26:B:LYS:HG3	13	0.33	0.09	0.34
(1,1521)	1:21:A:GLY:HA3	1:26:A:LYS:HG3	13	0.33	0.09	0.35
(1,3189)	1:39:A:THR:H	1:29:A:LEU:HD13	13	0.32	0.15	0.31
(1,3189)	1:39:A:THR:H	1:29:A:LEU:HD11	13	0.32	0.15	0.31
(1,3189)	1:39:A:THR:H	1:29:A:LEU:HD12	13	0.32	0.15	0.31
(1,3190)	1:39:B:THR:H	1:29:B:LEU:HD13	13	0.32	0.15	0.31
(1,3190)	1:39:B:THR:H	1:29:B:LEU:HD11	13	0.32	0.15	0.31
(1,3190)	1:39:B:THR:H	1:29:B:LEU:HD12	13	0.32	0.15	0.31
(1,1054)	1:52:B:GLU:HG3	1:51:B:ASP:H	13	0.29	0.16	0.23
(1,1054)	1:52:B:GLU:HG2	1:51:B:ASP:H	13	0.29	0.16	0.23
(1,2478)	1:87:B:ASN:H	1:13:A:VAL:HG22	13	0.29	0.13	0.29
(1,2478)	1:87:B:ASN:H	1:13:A:VAL:HG23	13	0.29	0.13	0.29
(1,2478)	1:87:B:ASN:H	1:13:A:VAL:HG21	13	0.29	0.13	0.29
(1,2477)	1:87:A:ASN:H	1:13:B:VAL:HG22	13	0.29	0.14	0.28
(1,2477)	1:87:A:ASN:H	1:13:B:VAL:HG23	13	0.29	0.14	0.28
(1,2477)	1:87:A:ASN:H	1:13:B:VAL:HG21	13	0.29	0.14	0.28
(1,3171)	1:30:A:ASN:HD22	1:22:A:LYS:HE3	13	0.27	0.08	0.27
(1,3172)	1:30:B:ASN:HD22	1:22:B:LYS:HE3	13	0.26	0.08	0.27
(1,3723)	1:69:A:GLU:HG2	1:29:A:LEU:HA	13	0.25	0.08	0.24
(1,3724)	1:69:B:GLU:HG2	1:29:B:LEU:HA	13	0.25	0.08	0.24
(1,2288)	1:3:B:SER:H	1:6:B:GLU:HA	13	0.24	0.06	0.25
(1,3993)	1:42:A:LEU:HA	1:45:A:PHE:HA	13	0.23	0.06	0.2
(1,3993)	1:42:A:LEU:HA	1:40:A:ARG:HA	13	0.23	0.06	0.2
(1,3994)	1:42:B:LEU:HA	1:45:B:PHE:HA	13	0.23	0.06	0.2
(1,3994)	1:42:B:LEU:HA	1:40:B:ARG:HA	13	0.23	0.06	0.2
(2,49)	1:69:A:GLU:HB2	1:30:A:ASN:HB2	13	0.22	0.08	0.2
(2,50)	1:69:B:GLU:HB2	1:30:B:ASN:HB2	13	0.22	0.09	0.2
(1,3964)	1:2:B:ALA:HA	1:15:A:THR:HA	13	0.2	0.07	0.2
(1,223)	1:70:A:VAL:HG21	1:29:A:LEU:H	13	0.2	0.05	0.19
(1,223)	1:70:A:VAL:HG22	1:29:A:LEU:H	13	0.2	0.05	0.19
(1,223)	1:70:A:VAL:HG23	1:29:A:LEU:H	13	0.2	0.05	0.19
(1,224)	1:70:B:VAL:HG21	1:29:B:LEU:H	13	0.2	0.05	0.19
(1,224)	1:70:B:VAL:HG22	1:29:B:LEU:H	13	0.2	0.05	0.19
(1,224)	1:70:B:VAL:HG23	1:29:B:LEU:H	13	0.2	0.05	0.19
(1,3965)	1:2:A:ALA:HA	1:6:A:GLU:HA	13	0.2	0.06	0.2
(1,3966)	1:2:B:ALA:HA	1:6:B:GLU:HA	13	0.2	0.06	0.2
(1,4148)	1:16:B:PHE:HA	1:20:B:SER:HB3	13	0.19	0.06	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4147)	1:16:A:PHE:HA	1:20:A:SER:HB3	13	0.19	0.06	0.18
(1,4227)	1:29:A:LEU:H	1:34:A:LEU:HA	13	0.17	0.05	0.14
(1,4228)	1:29:B:LEU:H	1:34:B:LEU:HA	13	0.17	0.05	0.14
(1,3287)	1:87:A:ASN:HD21	1:90:A:PHE:H	13	0.16	0.03	0.15
(1,3288)	1:87:B:ASN:HD21	1:90:B:PHE:H	13	0.15	0.03	0.15
(1,987)	1:100:A:LYS:HB2	1:100:A:LYS:HB3	13	0.1	0.0	0.1
(1,1061)	1:88:A:GLU:HG2	1:85:A:MET:HA	12	1.02	0.25	1.1
(1,1062)	1:88:B:GLU:HG2	1:85:B:MET:HA	12	1.02	0.25	1.1
(1,1203)	1:87:A:ASN:HB3	1:73:B:GLN:HG3	12	0.65	0.2	0.7
(1,1203)	1:87:A:ASN:HB3	1:73:B:GLN:HG2	12	0.65	0.2	0.7
(1,1204)	1:87:B:ASN:HB3	1:73:A:GLN:HG3	12	0.65	0.19	0.7
(1,1204)	1:87:B:ASN:HB3	1:73:A:GLN:HG2	12	0.65	0.19	0.7
(2,287)	1:50:A:THR:H	1:48:A:LYS:HB2	12	0.64	0.29	0.68
(2,288)	1:50:B:THR:H	1:48:B:LYS:HB2	12	0.64	0.29	0.68
(1,3869)	1:51:A:ASP:HB3	1:49:A:ARG:HD2	12	0.63	0.48	0.44
(1,3869)	1:51:A:ASP:HB2	1:49:A:ARG:HD2	12	0.63	0.48	0.44
(1,3869)	1:25:A:ASP:HB3	1:28:A:LYS:HE3	12	0.63	0.48	0.44
(1,3870)	1:51:B:ASP:HB3	1:49:B:ARG:HD2	12	0.63	0.48	0.44
(1,3870)	1:51:B:ASP:HB2	1:49:B:ARG:HD2	12	0.63	0.48	0.44
(1,3870)	1:25:B:ASP:HB3	1:28:B:LYS:HE3	12	0.63	0.48	0.44
(1,4328)	1:90:B:PHE:H	1:91:B:GLU:HG3	12	0.57	0.23	0.65
(1,4328)	1:58:B:LEU:H	1:56:B:GLN:HB3	12	0.57	0.23	0.65
(1,4327)	1:90:A:PHE:H	1:91:A:GLU:HG3	12	0.57	0.24	0.65
(1,4327)	1:58:A:LEU:H	1:56:A:GLN:HB3	12	0.57	0.24	0.65
(2,130)	1:21:B:GLY:HA2	1:18:B:LYS:HA	12	0.44	0.19	0.42
(2,129)	1:21:A:GLY:HA2	1:18:A:LYS:HA	12	0.44	0.19	0.42
(1,4461)	1:31:A:LYS:H	1:33:A:GLU:HG3	12	0.43	0.22	0.41
(1,4461)	1:31:A:LYS:H	1:33:A:GLU:HG2	12	0.43	0.22	0.41
(1,4461)	1:31:A:LYS:H	1:59:A:MET:HG3	12	0.43	0.22	0.41
(1,3565)	1:37:A:LEU:HG	1:19:A:TYR:HA	12	0.39	0.04	0.39
(1,3566)	1:37:B:LEU:HG	1:19:B:TYR:HA	12	0.39	0.04	0.38
(1,727)	1:26:A:LYS:HD3	1:22:A:LYS:HA	12	0.35	0.1	0.33
(1,728)	1:26:B:LYS:HD3	1:22:B:LYS:HA	12	0.35	0.1	0.33
(1,520)	1:42:B:LEU:HG	1:82:B:ILE:HD11	12	0.34	0.22	0.26
(1,520)	1:42:B:LEU:HG	1:82:B:ILE:HD13	12	0.34	0.22	0.26
(1,520)	1:42:B:LEU:HG	1:82:B:ILE:HD12	12	0.34	0.22	0.26
(1,519)	1:42:A:LEU:HG	1:82:A:ILE:HD11	12	0.33	0.22	0.26
(1,519)	1:42:A:LEU:HG	1:82:A:ILE:HD13	12	0.33	0.22	0.26
(1,519)	1:42:A:LEU:HG	1:82:A:ILE:HD12	12	0.33	0.22	0.26
(1,1266)	1:79:B:LEU:HB2	1:9:A:LEU:HD12	12	0.3	0.14	0.29
(1,1266)	1:79:B:LEU:HB2	1:9:A:LEU:HD13	12	0.3	0.14	0.29
(1,1266)	1:79:B:LEU:HB2	1:9:A:LEU:HD11	12	0.3	0.14	0.29

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3591)	1:35:A:LYS:HD2	1:31:A:LYS:HG2	12	0.28	0.05	0.29
(1,3592)	1:35:B:LYS:HD2	1:31:B:LYS:HG2	12	0.28	0.05	0.29
(1,959)	1:22:A:LYS:HB3	1:33:A:GLU:HG3	12	0.27	0.17	0.16
(1,959)	1:22:A:LYS:HB3	1:33:A:GLU:HG2	12	0.27	0.17	0.16
(1,960)	1:22:B:LYS:HB3	1:33:B:GLU:HG3	12	0.26	0.17	0.16
(1,960)	1:22:B:LYS:HB3	1:33:B:GLU:HG2	12	0.26	0.17	0.16
(1,1843)	1:37:A:LEU:HA	1:29:A:LEU:HD13	12	0.24	0.1	0.19
(1,1843)	1:37:A:LEU:HA	1:29:A:LEU:HD11	12	0.24	0.1	0.19
(1,1843)	1:37:A:LEU:HA	1:29:A:LEU:HD12	12	0.24	0.1	0.19
(1,1844)	1:37:B:LEU:HA	1:29:B:LEU:HD13	12	0.24	0.1	0.19
(1,1844)	1:37:B:LEU:HA	1:29:B:LEU:HD11	12	0.24	0.1	0.19
(1,1844)	1:37:B:LEU:HA	1:29:B:LEU:HD12	12	0.24	0.1	0.19
(1,1267)	1:19:A:TYR:HB3	1:29:A:LEU:HD11	12	0.24	0.12	0.18
(1,1267)	1:19:A:TYR:HB3	1:29:A:LEU:HD12	12	0.24	0.12	0.18
(1,1267)	1:19:A:TYR:HB3	1:29:A:LEU:HD13	12	0.24	0.12	0.18
(1,1268)	1:19:B:TYR:HB3	1:29:B:LEU:HD11	12	0.24	0.12	0.18
(1,1268)	1:19:B:TYR:HB3	1:29:B:LEU:HD12	12	0.24	0.12	0.18
(1,1268)	1:19:B:TYR:HB3	1:29:B:LEU:HD13	12	0.24	0.12	0.18
(1,3491)	1:81:A:SER:H	1:79:A:LEU:HD21	12	0.23	0.06	0.2
(1,3491)	1:81:A:SER:H	1:79:A:LEU:HD23	12	0.23	0.06	0.2
(1,3491)	1:81:A:SER:H	1:79:A:LEU:HD22	12	0.23	0.06	0.2
(1,3492)	1:81:B:SER:H	1:79:B:LEU:HD21	12	0.23	0.06	0.2
(1,3492)	1:81:B:SER:H	1:79:B:LEU:HD23	12	0.23	0.06	0.2
(1,3492)	1:81:B:SER:H	1:79:B:LEU:HD22	12	0.23	0.06	0.2
(1,189)	1:16:A:PHE:H	1:79:A:LEU:HD13	12	0.18	0.04	0.16
(1,189)	1:16:A:PHE:H	1:79:A:LEU:HD11	12	0.18	0.04	0.16
(1,189)	1:16:A:PHE:H	1:79:A:LEU:HD12	12	0.18	0.04	0.16
(1,190)	1:16:B:PHE:H	1:79:B:LEU:HD13	12	0.17	0.04	0.16
(1,190)	1:16:B:PHE:H	1:79:B:LEU:HD11	12	0.17	0.04	0.16
(1,190)	1:16:B:PHE:H	1:79:B:LEU:HD12	12	0.17	0.04	0.16
(1,3577)	1:7:A:LYS:HD3	1:7:A:LYS:HE2	12	0.17	0.04	0.17
(1,3577)	1:7:A:LYS:HD2	1:7:A:LYS:HE2	12	0.17	0.04	0.17
(1,3577)	1:100:A:LYS:HD3	1:100:A:LYS:HE2	12	0.17	0.04	0.17
(1,3577)	1:57:A:LYS:HD3	1:57:A:LYS:HE2	12	0.17	0.04	0.17
(1,3577)	1:7:A:LYS:HD2	1:7:A:LYS:HE3	12	0.17	0.04	0.17
(1,3577)	1:7:A:LYS:HD3	1:7:A:LYS:HE3	12	0.17	0.04	0.17
(1,1783)	1:56:A:GLN:HA	1:56:A:GLN:HG3	12	0.16	0.02	0.16
(1,3578)	1:7:B:LYS:HD3	1:7:B:LYS:HE2	12	0.16	0.04	0.17
(1,3578)	1:7:B:LYS:HD2	1:7:B:LYS:HE2	12	0.16	0.04	0.17
(1,3578)	1:100:B:LYS:HD3	1:100:B:LYS:HE2	12	0.16	0.04	0.17
(1,3578)	1:57:B:LYS:HD3	1:57:B:LYS:HE2	12	0.16	0.04	0.17
(1,3578)	1:7:B:LYS:HD2	1:7:B:LYS:HE3	12	0.16	0.04	0.17

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1784)	1:56:B:GLN:HA	1:56:B:GLN:HG3	12	0.16	0.02	0.16
(1,368)	1:57:B:LYS:HG3	1:57:B:LYS:H	12	0.16	0.03	0.16
(1,368)	1:57:B:LYS:HG2	1:57:B:LYS:H	12	0.16	0.03	0.16
(1,367)	1:57:A:LYS:HG3	1:57:A:LYS:H	12	0.16	0.03	0.16
(1,367)	1:57:A:LYS:HG2	1:57:A:LYS:H	12	0.16	0.03	0.16
(1,3659)	1:31:A:LYS:HB2	1:31:A:LYS:HG3	12	0.15	0.04	0.16
(1,3659)	1:18:A:LYS:HD3	1:18:A:LYS:HB2	12	0.15	0.04	0.16
(1,3660)	1:31:B:LYS:HB2	1:31:B:LYS:HG3	12	0.15	0.04	0.15
(1,3660)	1:18:B:LYS:HD3	1:18:B:LYS:HB2	12	0.15	0.04	0.15
(1,2138)	1:29:B:LEU:H	1:73:B:GLN:H	12	0.14	0.03	0.13
(1,2137)	1:29:A:LEU:H	1:73:A:GLN:H	12	0.14	0.03	0.13
(1,78)	1:53:B:ALA:HB3	1:53:B:ALA:HA	12	0.1	0.0	0.1
(1,78)	1:53:B:ALA:HB2	1:53:B:ALA:HA	12	0.1	0.0	0.1
(1,78)	1:53:B:ALA:HB1	1:53:B:ALA:HA	12	0.1	0.0	0.1
(1,1436)	1:99:B:ARG:HD3	1:98:B:PRO:HA	11	0.93	1.05	0.31
(1,1436)	1:99:B:ARG:HD2	1:98:B:PRO:HA	11	0.93	1.05	0.31
(1,1435)	1:99:A:ARG:HD3	1:98:A:PRO:HA	11	0.93	1.05	0.3
(1,1435)	1:99:A:ARG:HD2	1:98:A:PRO:HA	11	0.93	1.05	0.3
(1,4391)	1:7:A:LYS:H	1:42:B:LEU:HD21	11	0.84	0.36	0.79
(1,4391)	1:7:A:LYS:H	1:42:B:LEU:HD22	11	0.84	0.36	0.79
(1,4391)	1:7:A:LYS:H	1:42:B:LEU:HD23	11	0.84	0.36	0.79
(1,4391)	1:7:A:LYS:H	1:9:A:LEU:HD22	11	0.84	0.36	0.79
(1,4392)	1:7:B:LYS:H	1:42:A:LEU:HD21	11	0.84	0.36	0.79
(1,4392)	1:7:B:LYS:H	1:42:A:LEU:HD22	11	0.84	0.36	0.79
(1,4392)	1:7:B:LYS:H	1:42:A:LEU:HD23	11	0.84	0.36	0.79
(1,4392)	1:7:B:LYS:H	1:9:B:LEU:HD22	11	0.84	0.36	0.79
(1,560)	1:94:B:PRO:HG2	1:101:B:LYS:HE2	11	0.82	0.3	0.88
(1,560)	1:94:B:PRO:HG3	1:101:B:LYS:HE3	11	0.82	0.3	0.88
(1,560)	1:94:B:PRO:HG3	1:101:B:LYS:HE2	11	0.82	0.3	0.88
(1,560)	1:94:B:PRO:HG2	1:101:B:LYS:HE3	11	0.82	0.3	0.88
(1,559)	1:94:A:PRO:HG2	1:101:A:LYS:HE2	11	0.81	0.3	0.88
(1,559)	1:94:A:PRO:HG3	1:101:A:LYS:HE3	11	0.81	0.3	0.88
(1,559)	1:94:A:PRO:HG3	1:101:A:LYS:HE2	11	0.81	0.3	0.88
(1,559)	1:94:A:PRO:HG2	1:101:A:LYS:HE3	11	0.81	0.3	0.88
(1,59)	1:82:A:ILE:HG23	1:85:A:MET:HG2	11	0.79	0.06	0.81
(1,59)	1:82:A:ILE:HG21	1:85:A:MET:HG2	11	0.79	0.06	0.81
(1,59)	1:82:A:ILE:HG22	1:85:A:MET:HG2	11	0.79	0.06	0.81
(1,60)	1:82:B:ILE:HG23	1:85:B:MET:HG2	11	0.79	0.06	0.81
(1,60)	1:82:B:ILE:HG21	1:85:B:MET:HG2	11	0.79	0.06	0.81
(1,60)	1:82:B:ILE:HG22	1:85:B:MET:HG2	11	0.79	0.06	0.81
(1,3767)	1:84:A:MET:HB3	1:87:A:ASN:HB2	11	0.71	0.26	0.73
(1,3768)	1:84:B:MET:HB3	1:87:B:ASN:HB2	11	0.71	0.26	0.73

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1609)	1:25:A:ASP:HB2	1:28:A:LYS:HA	11	0.68	0.39	0.57
(1,1610)	1:25:B:ASP:HB2	1:28:B:LYS:HA	11	0.68	0.39	0.55
(1,4544)	1:97:B:GLN:HE21	1:98:B:PRO:HD3	11	0.67	0.33	0.62
(1,4544)	1:97:B:GLN:HE21	1:76:A:SER:HB3	11	0.67	0.33	0.62
(1,4543)	1:97:A:GLN:HE21	1:98:A:PRO:HD3	11	0.67	0.34	0.62
(1,4543)	1:97:A:GLN:HE21	1:76:B:SER:HB3	11	0.67	0.34	0.62
(1,2220)	1:100:B:LYS:H	1:97:B:GLN:HG3	11	0.63	0.24	0.7
(1,2220)	1:100:B:LYS:H	1:97:B:GLN:HG2	11	0.63	0.24	0.7
(1,2219)	1:100:A:LYS:H	1:97:A:GLN:HG3	11	0.63	0.24	0.71
(1,2219)	1:100:A:LYS:H	1:97:A:GLN:HG2	11	0.63	0.24	0.71
(1,917)	1:85:A:MET:HG3	1:84:A:MET:HG3	11	0.59	0.07	0.58
(1,918)	1:85:B:MET:HG3	1:84:B:MET:HG3	11	0.59	0.07	0.58
(1,1994)	1:60:B:SER:HB2	1:61:B:ASN:HB3	11	0.52	0.2	0.62
(1,1994)	1:60:B:SER:HB3	1:61:B:ASN:HB3	11	0.52	0.2	0.62
(1,686)	1:100:B:LYS:HD2	1:101:B:LYS:HA	11	0.48	0.16	0.41
(1,686)	1:100:B:LYS:HD3	1:101:B:LYS:HA	11	0.48	0.16	0.41
(1,685)	1:100:A:LYS:HD2	1:101:A:LYS:HA	11	0.48	0.16	0.41
(1,685)	1:100:A:LYS:HD3	1:101:A:LYS:HA	11	0.48	0.16	0.41
(1,969)	1:97:A:GLN:HG2	1:95:A:ASP:HB3	11	0.48	0.24	0.5
(1,969)	1:97:A:GLN:HG3	1:95:A:ASP:HB3	11	0.48	0.24	0.5
(1,969)	1:97:A:GLN:HG2	1:95:A:ASP:HB2	11	0.48	0.24	0.5
(1,970)	1:97:B:GLN:HG2	1:95:B:ASP:HB3	11	0.48	0.25	0.49
(1,970)	1:97:B:GLN:HG3	1:95:B:ASP:HB3	11	0.48	0.25	0.49
(1,970)	1:97:B:GLN:HG2	1:95:B:ASP:HB2	11	0.48	0.25	0.49
(1,3972)	1:2:B:ALA:HA	1:11:A:VAL:HG11	11	0.46	0.19	0.41
(1,3972)	1:2:B:ALA:HA	1:11:A:VAL:HG13	11	0.46	0.19	0.41
(1,3972)	1:2:B:ALA:HA	1:11:A:VAL:HG12	11	0.46	0.19	0.41
(1,3971)	1:2:A:ALA:HA	1:11:B:VAL:HG11	11	0.46	0.18	0.41
(1,3971)	1:2:A:ALA:HA	1:11:B:VAL:HG13	11	0.46	0.18	0.41
(1,3971)	1:2:A:ALA:HA	1:11:B:VAL:HG12	11	0.46	0.18	0.41
(1,536)	1:38:B:LEU:HD21	1:82:B:ILE:HD12	11	0.38	0.26	0.24
(1,536)	1:38:B:LEU:HD21	1:82:B:ILE:HD11	11	0.38	0.26	0.24
(1,536)	1:38:B:LEU:HD23	1:82:B:ILE:HD11	11	0.38	0.26	0.24
(1,536)	1:38:B:LEU:HD22	1:82:B:ILE:HD12	11	0.38	0.26	0.24
(1,536)	1:38:B:LEU:HD21	1:82:B:ILE:HD13	11	0.38	0.26	0.24
(1,536)	1:38:B:LEU:HD22	1:82:B:ILE:HD11	11	0.38	0.26	0.24
(1,536)	1:38:B:LEU:HD22	1:82:B:ILE:HD13	11	0.38	0.26	0.24
(1,535)	1:38:A:LEU:HD21	1:82:A:ILE:HD12	11	0.38	0.26	0.24
(1,535)	1:38:A:LEU:HD21	1:82:A:ILE:HD11	11	0.38	0.26	0.24
(1,535)	1:38:A:LEU:HD23	1:82:A:ILE:HD11	11	0.38	0.26	0.24
(1,535)	1:38:A:LEU:HD22	1:82:A:ILE:HD12	11	0.38	0.26	0.24
(1,535)	1:38:A:LEU:HD21	1:82:A:ILE:HD13	11	0.38	0.26	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,535)	1:38:A:LEU:HD22	1:82:A:ILE:HD11	11	0.38	0.26	0.24
(1,535)	1:38:A:LEU:HD22	1:82:A:ILE:HD13	11	0.38	0.26	0.24
(1,2691)	1:72:A:PHE:H	1:28:A:LYS:HG3	11	0.37	0.28	0.22
(1,2692)	1:72:B:PHE:H	1:28:B:LYS:HG3	11	0.37	0.27	0.22
(1,3832)	1:9:B:LEU:HB2	1:12:B:MET:HB3	11	0.34	0.16	0.37
(1,3832)	1:9:B:LEU:HB2	1:12:B:MET:HB2	11	0.34	0.16	0.37
(1,3831)	1:9:A:LEU:HB2	1:12:A:MET:HB3	11	0.34	0.16	0.37
(1,3831)	1:9:A:LEU:HB2	1:12:A:MET:HB2	11	0.34	0.16	0.37
(1,1053)	1:52:A:GLU:HG3	1:51:A:ASP:H	11	0.32	0.15	0.31
(1,1265)	1:79:A:LEU:HB2	1:9:B:LEU:HD12	11	0.31	0.13	0.32
(1,1265)	1:79:A:LEU:HB2	1:9:B:LEU:HD13	11	0.31	0.13	0.32
(1,1265)	1:79:A:LEU:HB2	1:9:B:LEU:HD11	11	0.31	0.13	0.32
(1,4041)	1:99:A:ARG:HA	1:98:A:PRO:HB3	11	0.29	0.06	0.29
(1,4042)	1:99:B:ARG:HA	1:98:B:PRO:HB3	11	0.29	0.06	0.29
(1,1822)	1:7:B:LYS:HA	1:7:B:LYS:HD3	11	0.29	0.11	0.3
(1,1821)	1:7:A:LYS:HA	1:7:A:LYS:HD3	11	0.28	0.11	0.29
(1,3787)	1:55:A:PHE:HB2	1:35:A:LYS:HB2	11	0.25	0.1	0.26
(1,523)	1:42:A:LEU:HD11	1:41:A:GLU:HA	11	0.25	0.08	0.26
(1,523)	1:42:A:LEU:HD12	1:41:A:GLU:HA	11	0.25	0.08	0.26
(1,523)	1:42:A:LEU:HD13	1:41:A:GLU:HA	11	0.25	0.08	0.26
(1,3788)	1:55:B:PHE:HB2	1:35:B:LYS:HB2	11	0.25	0.1	0.25
(1,524)	1:42:B:LEU:HD11	1:41:B:GLU:HA	11	0.25	0.08	0.26
(1,524)	1:42:B:LEU:HD12	1:41:B:GLU:HA	11	0.25	0.08	0.26
(1,524)	1:42:B:LEU:HD13	1:41:B:GLU:HA	11	0.25	0.08	0.26
(1,4135)	1:20:A:SER:HB3	1:29:A:LEU:HB2	11	0.24	0.06	0.26
(1,4136)	1:20:B:SER:HB3	1:29:B:LEU:HB2	11	0.24	0.06	0.26
(1,3837)	1:34:A:LEU:HB2	1:38:A:LEU:HB2	11	0.23	0.1	0.24
(1,3838)	1:34:B:LEU:HB2	1:38:B:LEU:HB2	11	0.23	0.1	0.24
(1,114)	1:2:B:ALA:HB3	1:6:B:GLU:HA	11	0.23	0.07	0.22
(1,114)	1:2:B:ALA:HB2	1:6:B:GLU:HA	11	0.23	0.07	0.22
(1,114)	1:2:B:ALA:HB1	1:6:B:GLU:HA	11	0.23	0.07	0.22
(1,113)	1:2:A:ALA:HB3	1:6:A:GLU:HA	11	0.23	0.06	0.22
(1,113)	1:2:A:ALA:HB2	1:6:A:GLU:HA	11	0.23	0.06	0.22
(1,113)	1:2:A:ALA:HB1	1:6:A:GLU:HA	11	0.23	0.06	0.22
(1,1343)	1:22:A:LYS:HE3	1:33:A:GLU:HG3	11	0.22	0.09	0.2
(1,1343)	1:22:A:LYS:HE3	1:33:A:GLU:HG2	11	0.22	0.09	0.2
(1,1344)	1:22:B:LYS:HE3	1:33:B:GLU:HG3	11	0.22	0.09	0.2
(1,1344)	1:22:B:LYS:HE3	1:33:B:GLU:HG2	11	0.22	0.09	0.2
(1,1411)	1:40:A:ARG:HD3	1:41:A:GLU:H	11	0.22	0.07	0.2
(1,1411)	1:40:A:ARG:HD2	1:41:A:GLU:H	11	0.22	0.07	0.2
(1,1412)	1:40:B:ARG:HD3	1:41:B:GLU:H	11	0.22	0.07	0.2
(1,1412)	1:40:B:ARG:HD2	1:41:B:GLU:H	11	0.22	0.07	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4460)	1:68:B:ASN:H	1:70:B:VAL:HG23	11	0.19	0.06	0.18
(1,4460)	1:68:B:ASN:H	1:70:B:VAL:HG22	11	0.19	0.06	0.18
(1,4460)	1:68:B:ASN:H	1:70:B:VAL:HG21	11	0.19	0.06	0.18
(1,4459)	1:68:A:ASN:H	1:70:A:VAL:HG23	11	0.19	0.06	0.18
(1,4459)	1:68:A:ASN:H	1:70:A:VAL:HG22	11	0.19	0.06	0.18
(1,4459)	1:68:A:ASN:H	1:70:A:VAL:HG21	11	0.19	0.06	0.18
(1,1121)	1:70:A:VAL:HG12	1:74:A:GLU:HG2	11	0.18	0.06	0.18
(1,1121)	1:70:A:VAL:HG13	1:74:A:GLU:HG2	11	0.18	0.06	0.18
(1,1121)	1:70:A:VAL:HG11	1:74:A:GLU:HG2	11	0.18	0.06	0.18
(1,268)	1:9:B:LEU:HD11	1:12:A:MET:HB2	11	0.18	0.07	0.14
(1,268)	1:9:B:LEU:HD12	1:12:A:MET:HB2	11	0.18	0.07	0.14
(1,268)	1:9:B:LEU:HD13	1:12:A:MET:HB2	11	0.18	0.07	0.14
(1,267)	1:9:A:LEU:HD11	1:12:B:MET:HB2	11	0.18	0.07	0.14
(1,267)	1:9:A:LEU:HD12	1:12:B:MET:HB2	11	0.18	0.07	0.14
(1,267)	1:9:A:LEU:HD13	1:12:B:MET:HB2	11	0.18	0.07	0.14
(1,1027)	1:41:A:GLU:HG3	1:37:A:LEU:HG	11	0.17	0.03	0.16
(1,1028)	1:41:B:GLU:HG3	1:37:B:LEU:HG	11	0.17	0.04	0.16
(1,4155)	1:16:A:PHE:HA	1:20:A:SER:HA	11	0.16	0.04	0.16
(1,4156)	1:16:B:PHE:HA	1:20:B:SER:HA	11	0.16	0.04	0.16
(1,988)	1:100:B:LYS:HB2	1:100:B:LYS:HB3	11	0.1	0.0	0.1
(1,3891)	1:7:A:LYS:HE2	1:42:B:LEU:HD13	10	1.42	0.72	1.2
(1,3891)	1:7:A:LYS:HE3	1:9:A:LEU:HD23	10	1.42	0.72	1.2
(1,3891)	1:31:A:LYS:HE3	1:34:A:LEU:HD11	10	1.42	0.72	1.2
(1,3891)	1:7:A:LYS:HE3	1:42:B:LEU:HD12	10	1.42	0.72	1.2
(1,3891)	1:7:A:LYS:HE3	1:9:A:LEU:HD21	10	1.42	0.72	1.2
(1,3891)	1:7:A:LYS:HE2	1:42:B:LEU:HD11	10	1.42	0.72	1.2
(1,3891)	1:7:A:LYS:HE3	1:42:B:LEU:HD11	10	1.42	0.72	1.2
(1,3892)	1:7:B:LYS:HE2	1:42:A:LEU:HD13	10	1.42	0.71	1.2
(1,3892)	1:7:B:LYS:HE3	1:9:B:LEU:HD23	10	1.42	0.71	1.2
(1,3892)	1:31:B:LYS:HE3	1:34:B:LEU:HD11	10	1.42	0.71	1.2
(1,3892)	1:7:B:LYS:HE3	1:42:A:LEU:HD12	10	1.42	0.71	1.2
(1,3892)	1:7:B:LYS:HE3	1:9:B:LEU:HD21	10	1.42	0.71	1.2
(1,3892)	1:7:B:LYS:HE2	1:42:A:LEU:HD11	10	1.42	0.71	1.2
(1,3892)	1:7:B:LYS:HE3	1:42:A:LEU:HD11	10	1.42	0.71	1.2
(1,382)	1:31:B:LYS:HG2	1:68:B:ASN:HD21	10	0.73	0.54	0.86
(1,381)	1:31:A:LYS:HG2	1:68:A:ASN:HD21	10	0.73	0.55	0.86
(1,1993)	1:60:A:SER:HB2	1:61:A:ASN:HB3	10	0.56	0.16	0.63
(1,1993)	1:60:A:SER:HB3	1:61:A:ASN:HB3	10	0.56	0.16	0.63
(1,951)	1:79:A:LEU:HD12	1:12:A:MET:HB2	10	0.56	0.21	0.59
(1,951)	1:79:A:LEU:HD12	1:12:A:MET:HB3	10	0.56	0.21	0.59
(1,951)	1:79:A:LEU:HD11	1:12:A:MET:HB3	10	0.56	0.21	0.59
(1,951)	1:79:A:LEU:HD13	1:12:A:MET:HB2	10	0.56	0.21	0.59

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,951)	1:79:A:LEU:HD11	1:12:A:MET:HB2	10	0.56	0.21	0.59
(1,952)	1:79:B:LEU:HD12	1:12:B:MET:HB2	10	0.56	0.21	0.59
(1,952)	1:79:B:LEU:HD12	1:12:B:MET:HB3	10	0.56	0.21	0.59
(1,952)	1:79:B:LEU:HD11	1:12:B:MET:HB3	10	0.56	0.21	0.59
(1,952)	1:79:B:LEU:HD13	1:12:B:MET:HB2	10	0.56	0.21	0.59
(1,952)	1:79:B:LEU:HD11	1:12:B:MET:HB2	10	0.56	0.21	0.59
(1,3605)	1:28:A:LYS:HD3	1:67:A:ASP:HB2	10	0.53	0.33	0.54
(1,3606)	1:28:B:LYS:HD3	1:67:B:ASP:HB2	10	0.53	0.33	0.53
(1,906)	1:31:B:LYS:HB3	1:35:B:LYS:HE3	10	0.49	0.26	0.62
(1,906)	1:31:B:LYS:HB3	1:35:B:LYS:HE2	10	0.49	0.26	0.62
(1,4001)	1:69:A:GLU:HA	1:33:A:GLU:HB2	10	0.36	0.2	0.28
(1,4001)	1:69:A:GLU:HA	1:31:A:LYS:HB2	10	0.36	0.2	0.28
(1,4002)	1:69:B:GLU:HA	1:33:B:GLU:HB2	10	0.36	0.2	0.28
(1,4002)	1:69:B:GLU:HA	1:31:B:LYS:HB2	10	0.36	0.2	0.28
(1,3322)	1:54:B:ALA:HB1	1:46:B:LEU:HD22	10	0.36	0.18	0.31
(1,3322)	1:54:B:ALA:HB2	1:46:B:LEU:HD23	10	0.36	0.18	0.31
(1,3322)	1:54:B:ALA:HB1	1:46:B:LEU:HD21	10	0.36	0.18	0.31
(1,3322)	1:54:B:ALA:HB1	1:46:B:LEU:HD23	10	0.36	0.18	0.31
(1,3322)	1:54:B:ALA:HB3	1:46:B:LEU:HD22	10	0.36	0.18	0.31
(1,3322)	1:54:B:ALA:HB3	1:46:B:LEU:HD23	10	0.36	0.18	0.31
(1,3322)	1:54:B:ALA:HB2	1:46:B:LEU:HD11	10	0.36	0.18	0.31
(1,3322)	1:54:B:ALA:HB2	1:46:B:LEU:HD22	10	0.36	0.18	0.31
(1,3321)	1:54:A:ALA:HB1	1:46:A:LEU:HD22	10	0.36	0.18	0.31
(1,3321)	1:54:A:ALA:HB2	1:46:A:LEU:HD23	10	0.36	0.18	0.31
(1,3321)	1:54:A:ALA:HB1	1:46:A:LEU:HD21	10	0.36	0.18	0.31
(1,3321)	1:54:A:ALA:HB1	1:46:A:LEU:HD23	10	0.36	0.18	0.31
(1,3321)	1:54:A:ALA:HB3	1:46:A:LEU:HD22	10	0.36	0.18	0.31
(1,3321)	1:54:A:ALA:HB3	1:46:A:LEU:HD23	10	0.36	0.18	0.31
(1,3321)	1:54:A:ALA:HB2	1:46:A:LEU:HD11	10	0.36	0.18	0.31
(1,3321)	1:54:A:ALA:HB2	1:46:A:LEU:HD22	10	0.36	0.18	0.31
(1,3664)	1:85:B:MET:HG2	1:82:B:ILE:HG13	10	0.29	0.06	0.32
(1,3663)	1:85:A:MET:HG2	1:82:A:ILE:HG13	10	0.29	0.06	0.32
(2,43)	1:98:A:PRO:HB3	1:97:A:GLN:HB2	10	0.28	0.17	0.22
(2,44)	1:98:B:PRO:HB3	1:97:B:GLN:HB2	10	0.28	0.17	0.22
(1,4507)	1:32:A:SER:H	1:23:A:GLU:HG3	10	0.25	0.09	0.24
(1,4507)	1:32:A:SER:H	1:23:A:GLU:HG2	10	0.25	0.09	0.24
(1,4507)	1:32:A:SER:H	1:33:A:GLU:HB3	10	0.25	0.09	0.24
(1,2736)	1:46:B:LEU:H	1:82:B:ILE:HD13	10	0.24	0.09	0.22
(1,2736)	1:46:B:LEU:H	1:82:B:ILE:HD12	10	0.24	0.09	0.22
(1,2736)	1:46:B:LEU:H	1:82:B:ILE:HD11	10	0.24	0.09	0.22
(1,2735)	1:46:A:LEU:H	1:82:A:ILE:HD13	10	0.23	0.09	0.22
(1,2735)	1:46:A:LEU:H	1:82:A:ILE:HD12	10	0.23	0.09	0.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2735)	1:46:A:LEU:H	1:82:A:ILE:HD11	10	0.23	0.09	0.22
(1,2234)	1:33:B:GLU:H	1:22:B:LYS:HE3	10	0.23	0.07	0.22
(1,2234)	1:33:B:GLU:H	1:22:B:LYS:HE2	10	0.23	0.07	0.22
(1,2233)	1:33:A:GLU:H	1:22:A:LYS:HE3	10	0.23	0.07	0.22
(1,2233)	1:33:A:GLU:H	1:22:A:LYS:HE2	10	0.23	0.07	0.22
(1,3443)	1:18:A:LYS:HG3	1:20:A:SER:H	10	0.21	0.06	0.22
(1,3443)	1:26:A:LYS:HG3	1:20:A:SER:H	10	0.21	0.06	0.22
(1,3444)	1:18:B:LYS:HG3	1:20:B:SER:H	10	0.21	0.06	0.22
(1,3444)	1:26:B:LYS:HG3	1:20:B:SER:H	10	0.21	0.06	0.22
(1,4475)	1:86:A:SER:H	1:13:B:VAL:HG21	10	0.2	0.09	0.18
(1,4475)	1:86:A:SER:H	1:13:B:VAL:HG23	10	0.2	0.09	0.18
(1,4475)	1:86:A:SER:H	1:13:B:VAL:HG22	10	0.2	0.09	0.18
(1,4473)	1:85:A:MET:H	1:83:A:ALA:HB3	10	0.2	0.07	0.18
(1,4473)	1:85:A:MET:H	1:83:A:ALA:HB1	10	0.2	0.07	0.18
(1,4473)	1:85:A:MET:H	1:83:A:ALA:HB2	10	0.2	0.07	0.18
(1,4473)	1:86:A:SER:H	1:83:A:ALA:HB3	10	0.2	0.07	0.18
(1,4476)	1:86:B:SER:H	1:13:A:VAL:HG21	10	0.2	0.08	0.18
(1,4476)	1:86:B:SER:H	1:13:A:VAL:HG23	10	0.2	0.08	0.18
(1,4476)	1:86:B:SER:H	1:13:A:VAL:HG22	10	0.2	0.08	0.18
(1,3308)	1:57:B:LYS:HB3	1:57:B:LYS:HA	10	0.2	0.08	0.19
(1,3308)	1:31:B:LYS:HB3	1:31:B:LYS:HA	10	0.2	0.08	0.19
(1,4474)	1:85:B:MET:H	1:83:B:ALA:HB3	10	0.2	0.07	0.18
(1,4474)	1:85:B:MET:H	1:83:B:ALA:HB1	10	0.2	0.07	0.18
(1,4474)	1:85:B:MET:H	1:83:B:ALA:HB2	10	0.2	0.07	0.18
(1,3547)	1:37:A:LEU:HD23	1:37:A:LEU:HA	10	0.19	0.06	0.18
(1,3547)	1:37:A:LEU:HD21	1:37:A:LEU:HA	10	0.19	0.06	0.18
(1,3547)	1:37:A:LEU:HD22	1:37:A:LEU:HA	10	0.19	0.06	0.18
(1,3548)	1:37:B:LEU:HD23	1:37:B:LEU:HA	10	0.19	0.06	0.18
(1,3548)	1:37:B:LEU:HD21	1:37:B:LEU:HA	10	0.19	0.06	0.18
(1,3548)	1:37:B:LEU:HD22	1:37:B:LEU:HA	10	0.19	0.06	0.18
(1,1122)	1:70:B:VAL:HG12	1:74:B:GLU:HG2	10	0.19	0.06	0.18
(1,1122)	1:70:B:VAL:HG13	1:74:B:GLU:HG2	10	0.19	0.06	0.18
(1,1122)	1:70:B:VAL:HG11	1:74:B:GLU:HG2	10	0.19	0.06	0.18
(1,1842)	1:37:B:LEU:HD23	1:37:B:LEU:HA	10	0.19	0.06	0.18
(1,1842)	1:37:B:LEU:HD21	1:37:B:LEU:HA	10	0.19	0.06	0.18
(1,1842)	1:37:B:LEU:HD22	1:37:B:LEU:HA	10	0.19	0.06	0.18
(1,1841)	1:37:A:LEU:HD23	1:37:A:LEU:HA	10	0.18	0.06	0.18
(1,1841)	1:37:A:LEU:HD21	1:37:A:LEU:HA	10	0.18	0.06	0.18
(1,1841)	1:37:A:LEU:HD22	1:37:A:LEU:HA	10	0.18	0.06	0.18
(1,4005)	1:61:A:ASN:HA	1:57:A:LYS:HA	10	0.18	0.05	0.16
(1,4006)	1:61:B:ASN:HA	1:57:B:LYS:HA	10	0.18	0.05	0.16
(1,2493)	1:97:A:GLN:H	1:96:A:LYS:H	10	0.13	0.03	0.11

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2494)	1:97:B:GLN:H	1:96:B:LYS:H	10	0.13	0.03	0.12
(3,17)	1:15:A:THR:N	1:11:A:VAL:O	10	0.12	0.01	0.12
(1,1067)	1:91:A:GLU:HG3	1:90:A:PHE:HB3	9	1.05	0.37	0.86
(1,1068)	1:91:B:GLU:HG3	1:90:B:PHE:HB3	9	1.05	0.37	0.86
(1,4617)	1:97:A:GLN:HE22	1:88:A:GLU:HB2	9	0.81	0.41	0.97
(1,4617)	1:97:A:GLN:HE22	1:96:A:LYS:HB2	9	0.81	0.41	0.97
(1,4618)	1:97:B:GLN:HE22	1:88:B:GLU:HB2	9	0.81	0.41	0.95
(1,4618)	1:97:B:GLN:HE22	1:96:B:LYS:HB2	9	0.81	0.41	0.95
(1,897)	1:85:A:MET:HG2	1:85:A:MET:HA	9	0.76	0.15	0.83
(1,898)	1:85:B:MET:HG2	1:85:B:MET:HA	9	0.76	0.15	0.83
(1,680)	1:88:B:GLU:HB2	1:97:B:GLN:HE21	9	0.73	0.51	0.63
(1,679)	1:88:A:GLU:HB2	1:97:A:GLN:HE21	9	0.73	0.51	0.63
(1,3533)	1:98:A:PRO:HG2	1:100:A:LYS:HB3	9	0.64	0.37	0.76
(1,3533)	1:98:A:PRO:HG2	1:100:A:LYS:HB2	9	0.64	0.37	0.76
(1,3533)	1:98:A:PRO:HG2	1:99:A:ARG:HB2	9	0.64	0.37	0.76
(1,3534)	1:98:B:PRO:HG2	1:100:B:LYS:HB3	9	0.64	0.38	0.76
(1,3534)	1:98:B:PRO:HG2	1:100:B:LYS:HB2	9	0.64	0.38	0.76
(1,3534)	1:98:B:PRO:HG2	1:99:B:ARG:HB2	9	0.64	0.38	0.76
(1,556)	1:95:B:ASP:H	1:99:B:ARG:HG3	9	0.59	0.15	0.53
(1,556)	1:95:B:ASP:H	1:99:B:ARG:HG2	9	0.59	0.15	0.53
(1,555)	1:95:A:ASP:H	1:99:A:ARG:HG3	9	0.58	0.15	0.53
(1,555)	1:95:A:ASP:H	1:99:A:ARG:HG2	9	0.58	0.15	0.53
(1,905)	1:31:A:LYS:HB3	1:35:A:LYS:HE3	9	0.53	0.24	0.63
(1,905)	1:31:A:LYS:HB3	1:35:A:LYS:HE2	9	0.53	0.24	0.63
(1,1198)	1:87:B:ASN:HB2	1:76:A:SER:HB2	9	0.53	0.23	0.55
(1,1198)	1:87:B:ASN:HB2	1:76:A:SER:HB3	9	0.53	0.23	0.55
(1,1197)	1:87:A:ASN:HB2	1:76:B:SER:HB2	9	0.52	0.23	0.54
(1,1197)	1:87:A:ASN:HB2	1:76:B:SER:HB3	9	0.52	0.23	0.54
(1,3673)	1:59:A:MET:HG3	1:31:A:LYS:HB3	9	0.51	0.33	0.38
(1,3673)	1:59:A:MET:HG3	1:31:A:LYS:HB2	9	0.51	0.33	0.38
(1,3674)	1:59:B:MET:HG3	1:31:B:LYS:HB3	9	0.51	0.33	0.38
(1,3674)	1:59:B:MET:HG3	1:31:B:LYS:HB2	9	0.51	0.33	0.38
(1,479)	1:79:A:LEU:HG	1:12:A:MET:HB3	9	0.44	0.19	0.34
(1,479)	1:79:A:LEU:HG	1:12:A:MET:HB2	9	0.44	0.19	0.34
(1,480)	1:79:B:LEU:HG	1:12:B:MET:HB3	9	0.44	0.19	0.34
(1,480)	1:79:B:LEU:HG	1:12:B:MET:HB2	9	0.44	0.19	0.34
(1,4538)	1:97:B:GLN:HE22	1:88:B:GLU:H	9	0.42	0.23	0.31
(1,4537)	1:97:A:GLN:HE22	1:88:A:GLU:H	9	0.42	0.23	0.31
(1,473)	1:42:A:LEU:HD12	1:79:A:LEU:HA	9	0.4	0.1	0.4
(1,473)	1:42:A:LEU:HD13	1:79:A:LEU:HA	9	0.4	0.1	0.4
(1,473)	1:42:A:LEU:HD11	1:79:A:LEU:HA	9	0.4	0.1	0.4
(1,474)	1:42:B:LEU:HD12	1:79:B:LEU:HA	9	0.4	0.1	0.4

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,474)	1:42:B:LEU:HD13	1:79:B:LEU:HA	9	0.4	0.1	0.4
(1,474)	1:42:B:LEU:HD11	1:79:B:LEU:HA	9	0.4	0.1	0.4
(1,3103)	1:65:A:ASN:HD21	1:69:A:GLU:HG3	9	0.36	0.17	0.32
(1,3104)	1:65:B:ASN:HD21	1:69:B:GLU:HG3	9	0.36	0.17	0.33
(1,49)	1:82:A:ILE:HG22	1:86:A:SER:HB3	9	0.36	0.11	0.38
(1,49)	1:82:A:ILE:HG23	1:86:A:SER:HB2	9	0.36	0.11	0.38
(1,49)	1:82:A:ILE:HG23	1:86:A:SER:HB3	9	0.36	0.11	0.38
(1,49)	1:82:A:ILE:HG21	1:86:A:SER:HB3	9	0.36	0.11	0.38
(1,49)	1:82:A:ILE:HG21	1:86:A:SER:HB2	9	0.36	0.11	0.38
(1,50)	1:82:B:ILE:HG22	1:86:B:SER:HB3	9	0.36	0.11	0.38
(1,50)	1:82:B:ILE:HG23	1:86:B:SER:HB2	9	0.36	0.11	0.38
(1,50)	1:82:B:ILE:HG23	1:86:B:SER:HB3	9	0.36	0.11	0.38
(1,50)	1:82:B:ILE:HG21	1:86:B:SER:HB3	9	0.36	0.11	0.38
(1,50)	1:82:B:ILE:HG21	1:86:B:SER:HB2	9	0.36	0.11	0.38
(1,1090)	1:91:B:GLU:HG3	1:91:B:GLU:HA	9	0.35	0.07	0.36
(1,1089)	1:91:A:GLU:HG3	1:91:A:GLU:HA	9	0.35	0.07	0.36
(1,2003)	1:98:A:PRO:HA	1:101:A:LYS:HG2	9	0.35	0.15	0.32
(1,2003)	1:98:A:PRO:HA	1:101:A:LYS:HG3	9	0.35	0.15	0.32
(1,2004)	1:98:B:PRO:HA	1:101:B:LYS:HG2	9	0.34	0.15	0.31
(1,2004)	1:98:B:PRO:HA	1:101:B:LYS:HG3	9	0.34	0.15	0.31
(1,4375)	1:95:A:ASP:H	1:96:A:LYS:HD3	9	0.33	0.08	0.32
(1,4375)	1:95:A:ASP:H	1:96:A:LYS:HD2	9	0.33	0.08	0.32
(1,4376)	1:95:B:ASP:H	1:96:B:LYS:HD3	9	0.33	0.08	0.32
(1,4376)	1:95:B:ASP:H	1:96:B:LYS:HD2	9	0.33	0.08	0.32
(1,4335)	1:6:A:GLU:H	1:5:A:LEU:HG	9	0.26	0.09	0.27
(1,4508)	1:32:B:SER:H	1:23:B:GLU:HG2	9	0.26	0.08	0.24
(1,4508)	1:32:B:SER:H	1:33:B:GLU:HB3	9	0.26	0.08	0.24
(1,4508)	1:32:B:SER:H	1:23:B:GLU:HG3	9	0.26	0.08	0.24
(1,4336)	1:6:B:GLU:H	1:5:B:LEU:HG	9	0.26	0.09	0.27
(1,3127)	1:73:A:GLN:HE22	1:77:A:VAL:HB	9	0.22	0.04	0.23
(1,3128)	1:73:B:GLN:HE22	1:77:B:VAL:HB	9	0.22	0.04	0.24
(1,2507)	1:42:A:LEU:H	1:41:A:GLU:HB3	9	0.22	0.08	0.2
(1,2508)	1:42:B:LEU:H	1:41:B:GLU:HB3	9	0.22	0.08	0.2
(1,3307)	1:57:A:LYS:HB3	1:57:A:LYS:HA	9	0.21	0.08	0.2
(1,3307)	1:31:A:LYS:HB3	1:31:A:LYS:HA	9	0.21	0.08	0.2
(1,135)	1:77:A:VAL:HG11	1:73:A:GLN:HG3	9	0.2	0.08	0.17
(1,135)	1:77:A:VAL:HG13	1:73:A:GLN:HG2	9	0.2	0.08	0.17
(1,135)	1:77:A:VAL:HG12	1:73:A:GLN:HG2	9	0.2	0.08	0.17
(1,135)	1:77:A:VAL:HG11	1:73:A:GLN:HG2	9	0.2	0.08	0.17
(1,136)	1:77:B:VAL:HG11	1:73:B:GLN:HG3	9	0.2	0.08	0.17
(1,136)	1:77:B:VAL:HG13	1:73:B:GLN:HG2	9	0.2	0.08	0.17
(1,136)	1:77:B:VAL:HG12	1:73:B:GLN:HG2	9	0.2	0.08	0.17

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,136)	1:77:B:VAL:HG11	1:73:B:GLN:HG2	9	0.2	0.08	0.17
(1,2412)	1:52:B:GLU:H	1:51:B:ASP:HB3	9	0.2	0.04	0.18
(1,2411)	1:52:A:GLU:H	1:51:A:ASP:HB3	9	0.19	0.04	0.18
(1,700)	1:57:B:LYS:HD3	1:56:B:GLN:HB3	9	0.16	0.03	0.15
(1,700)	1:57:B:LYS:HD2	1:56:B:GLN:HB3	9	0.16	0.03	0.15
(1,4043)	1:48:A:LYS:HB2	1:48:A:LYS:HA	9	0.16	0.03	0.17
(1,4043)	1:100:A:LYS:HA	1:100:A:LYS:HB2	9	0.16	0.03	0.17
(1,4043)	1:100:A:LYS:HA	1:100:A:LYS:HB3	9	0.16	0.03	0.17
(1,4044)	1:48:B:LYS:HB2	1:48:B:LYS:HA	9	0.16	0.03	0.17
(1,4044)	1:100:B:LYS:HA	1:100:B:LYS:HB2	9	0.16	0.03	0.17
(1,4044)	1:100:B:LYS:HA	1:100:B:LYS:HB3	9	0.16	0.03	0.17
(3,184)	1:91:B:GLU:H	1:87:B:ASN:O	9	0.16	0.03	0.17
(1,699)	1:57:A:LYS:HD3	1:56:A:GLN:HB3	9	0.16	0.02	0.15
(1,699)	1:57:A:LYS:HD2	1:56:A:GLN:HB3	9	0.16	0.02	0.15
(3,92)	1:91:A:GLU:H	1:87:A:ASN:O	9	0.16	0.03	0.16
(1,3247)	1:88:A:GLU:H	1:73:B:GLN:H	9	0.14	0.03	0.13
(1,3248)	1:88:B:GLU:H	1:73:A:GLN:H	9	0.13	0.03	0.12
(3,22)	1:17:A:HIS:H	1:13:A:VAL:O	9	0.13	0.02	0.12
(3,114)	1:17:B:HIS:H	1:13:B:VAL:O	9	0.13	0.03	0.12
(2,97)	1:28:A:LYS:HA	1:30:A:ASN:HD21	9	0.13	0.02	0.12
(2,98)	1:28:B:LYS:HA	1:30:B:ASN:HD21	9	0.13	0.02	0.12
(3,109)	1:15:B:THR:N	1:11:B:VAL:O	9	0.12	0.01	0.12
(3,2)	1:29:A:LEU:N	1:70:A:VAL:O	9	0.11	0.01	0.12
(3,94)	1:29:B:LEU:N	1:70:B:VAL:O	9	0.11	0.01	0.12
(1,77)	1:53:A:ALA:HB3	1:53:A:ALA:HA	9	0.1	0.0	0.1
(1,77)	1:53:A:ALA:HB2	1:53:A:ALA:HA	9	0.1	0.0	0.1
(1,77)	1:53:A:ALA:HB1	1:53:A:ALA:HA	9	0.1	0.0	0.1
(1,3585)	1:88:A:GLU:HB2	1:91:A:GLU:HB2	8	0.81	0.59	0.72
(1,3585)	1:88:A:GLU:HB2	1:91:A:GLU:HB3	8	0.81	0.59	0.72
(1,3586)	1:88:B:GLU:HB2	1:91:B:GLU:HB2	8	0.81	0.58	0.72
(1,3586)	1:88:B:GLU:HB2	1:91:B:GLU:HB3	8	0.81	0.58	0.72
(1,3760)	1:27:B:PHE:HB2	1:96:A:LYS:H	8	0.57	0.53	0.34
(1,3760)	1:27:B:PHE:HB2	1:91:A:GLU:H	8	0.57	0.53	0.34
(1,3759)	1:27:A:PHE:HB2	1:96:B:LYS:H	8	0.57	0.53	0.34
(1,3759)	1:27:A:PHE:HB2	1:91:B:GLU:H	8	0.57	0.53	0.34
(1,3668)	1:13:B:VAL:H	1:12:B:MET:HB3	8	0.39	0.04	0.4
(1,3667)	1:13:A:VAL:H	1:12:A:MET:HB3	8	0.39	0.03	0.4
(1,481)	1:79:A:LEU:HD22	1:12:A:MET:HB2	8	0.39	0.2	0.37
(1,481)	1:79:A:LEU:HD21	1:12:A:MET:HB3	8	0.39	0.2	0.37
(1,481)	1:79:A:LEU:HD21	1:12:A:MET:HB2	8	0.39	0.2	0.37
(1,481)	1:79:A:LEU:HD23	1:12:A:MET:HB2	8	0.39	0.2	0.37
(1,1491)	1:42:A:LEU:HB3	1:37:A:LEU:HD23	8	0.35	0.19	0.34

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1491)	1:42:A:LEU:HB3	1:37:A:LEU:HD21	8	0.35	0.19	0.34
(1,1491)	1:42:A:LEU:HB3	1:37:A:LEU:HD22	8	0.35	0.19	0.34
(1,1492)	1:42:B:LEU:HB3	1:37:B:LEU:HD23	8	0.35	0.19	0.34
(1,1492)	1:42:B:LEU:HB3	1:37:B:LEU:HD21	8	0.35	0.19	0.34
(1,1492)	1:42:B:LEU:HB3	1:37:B:LEU:HD22	8	0.35	0.19	0.34
(1,1725)	1:21:A:GLY:HA3	1:26:A:LYS:HA	8	0.32	0.05	0.32
(1,1726)	1:21:B:GLY:HA3	1:26:B:LYS:HA	8	0.32	0.05	0.32
(1,409)	1:54:A:ALA:HB1	1:46:A:LEU:HD22	8	0.3	0.17	0.25
(1,409)	1:54:A:ALA:HB2	1:46:A:LEU:HD23	8	0.3	0.17	0.25
(1,409)	1:54:A:ALA:HB1	1:46:A:LEU:HD23	8	0.3	0.17	0.25
(1,409)	1:54:A:ALA:HB3	1:46:A:LEU:HD22	8	0.3	0.17	0.25
(1,409)	1:54:A:ALA:HB3	1:46:A:LEU:HD23	8	0.3	0.17	0.25
(1,409)	1:54:A:ALA:HB1	1:46:A:LEU:HD21	8	0.3	0.17	0.25
(1,410)	1:54:B:ALA:HB1	1:46:B:LEU:HD22	8	0.3	0.17	0.25
(1,410)	1:54:B:ALA:HB2	1:46:B:LEU:HD23	8	0.3	0.17	0.25
(1,410)	1:54:B:ALA:HB1	1:46:B:LEU:HD23	8	0.3	0.17	0.25
(1,410)	1:54:B:ALA:HB3	1:46:B:LEU:HD22	8	0.3	0.17	0.25
(1,410)	1:54:B:ALA:HB3	1:46:B:LEU:HD23	8	0.3	0.17	0.25
(1,410)	1:54:B:ALA:HB1	1:46:B:LEU:HD21	8	0.3	0.17	0.25
(1,58)	1:82:B:ILE:HG23	1:85:B:MET:HG3	8	0.29	0.09	0.29
(1,58)	1:82:B:ILE:HG21	1:85:B:MET:HG3	8	0.29	0.09	0.29
(1,58)	1:82:B:ILE:HG22	1:85:B:MET:HG3	8	0.29	0.09	0.29
(1,57)	1:82:A:ILE:HG23	1:85:A:MET:HG3	8	0.29	0.09	0.29
(1,57)	1:82:A:ILE:HG21	1:85:A:MET:HG3	8	0.29	0.09	0.29
(1,57)	1:82:A:ILE:HG22	1:85:A:MET:HG3	8	0.29	0.09	0.29
(1,4215)	1:71:A:ASP:H	1:73:A:GLN:HE21	8	0.29	0.13	0.27
(1,4216)	1:71:B:ASP:H	1:73:B:GLN:HE21	8	0.28	0.13	0.27
(1,271)	1:39:A:THR:HG23	1:38:A:LEU:HD12	8	0.28	0.12	0.27
(1,271)	1:39:A:THR:HG22	1:38:A:LEU:HD12	8	0.28	0.12	0.27
(1,271)	1:39:A:THR:HG23	1:38:A:LEU:HD11	8	0.28	0.12	0.27
(1,271)	1:39:A:THR:HG21	1:38:A:LEU:HD11	8	0.28	0.12	0.27
(1,271)	1:39:A:THR:HG22	1:38:A:LEU:HD13	8	0.28	0.12	0.27
(1,271)	1:39:A:THR:HG21	1:38:A:LEU:HD12	8	0.28	0.12	0.27
(1,272)	1:39:B:THR:HG23	1:38:B:LEU:HD12	8	0.28	0.12	0.26
(1,272)	1:39:B:THR:HG22	1:38:B:LEU:HD12	8	0.28	0.12	0.26
(1,272)	1:39:B:THR:HG23	1:38:B:LEU:HD11	8	0.28	0.12	0.26
(1,272)	1:39:B:THR:HG21	1:38:B:LEU:HD11	8	0.28	0.12	0.26
(1,272)	1:39:B:THR:HG22	1:38:B:LEU:HD13	8	0.28	0.12	0.26
(1,272)	1:39:B:THR:HG21	1:38:B:LEU:HD12	8	0.28	0.12	0.26
(1,4251)	1:77:A:VAL:H	1:75:A:TYR:HB3	8	0.23	0.11	0.18
(1,4252)	1:77:B:VAL:H	1:75:B:TYR:HB3	8	0.23	0.11	0.18
(1,2019)	1:82:A:ILE:HA	1:85:A:MET:HB3	8	0.23	0.05	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2020)	1:82:B:ILE:HA	1:85:B:MET:HB3	8	0.23	0.05	0.24
(1,1119)	1:70:A:VAL:HG11	1:74:A:GLU:HG3	8	0.21	0.09	0.16
(1,1119)	1:70:A:VAL:HG12	1:74:A:GLU:HG3	8	0.21	0.09	0.16
(1,1119)	1:70:A:VAL:HG13	1:74:A:GLU:HG3	8	0.21	0.09	0.16
(1,1120)	1:70:B:VAL:HG11	1:74:B:GLU:HG3	8	0.2	0.09	0.16
(1,1120)	1:70:B:VAL:HG12	1:74:B:GLU:HG3	8	0.2	0.09	0.16
(1,1120)	1:70:B:VAL:HG13	1:74:B:GLU:HG3	8	0.2	0.09	0.16
(1,534)	1:38:B:LEU:HD21	1:62:B:LEU:HD13	8	0.2	0.14	0.13
(1,534)	1:38:B:LEU:HD22	1:62:B:LEU:HD13	8	0.2	0.14	0.13
(1,534)	1:38:B:LEU:HD22	1:62:B:LEU:HD11	8	0.2	0.14	0.13
(1,534)	1:38:B:LEU:HD22	1:62:B:LEU:HD12	8	0.2	0.14	0.13
(1,533)	1:38:A:LEU:HD21	1:62:A:LEU:HD13	8	0.2	0.14	0.12
(1,533)	1:38:A:LEU:HD22	1:62:A:LEU:HD13	8	0.2	0.14	0.12
(1,533)	1:38:A:LEU:HD22	1:62:A:LEU:HD11	8	0.2	0.14	0.12
(1,533)	1:38:A:LEU:HD22	1:62:A:LEU:HD12	8	0.2	0.14	0.12
(1,4191)	1:11:A:VAL:HA	1:8:A:ALA:HB1	8	0.19	0.08	0.16
(1,4191)	1:11:A:VAL:HA	1:8:A:ALA:HB2	8	0.19	0.08	0.16
(1,4191)	1:11:A:VAL:HA	1:8:A:ALA:HB3	8	0.19	0.08	0.16
(1,3258)	1:73:B:GLN:H	1:87:A:ASN:HD21	8	0.16	0.02	0.16
(1,1682)	1:91:B:GLU:HA	1:89:B:PHE:HA	8	0.16	0.03	0.16
(1,1681)	1:91:A:GLU:HA	1:89:A:PHE:HA	8	0.16	0.03	0.16
(1,3445)	1:35:A:LYS:HG2	1:52:A:GLU:H	8	0.16	0.05	0.15
(1,3445)	1:35:A:LYS:HG2	1:38:A:LEU:H	8	0.16	0.05	0.15
(1,3257)	1:73:A:GLN:H	1:87:B:ASN:HD21	8	0.15	0.02	0.16
(2,121)	1:101:A:LYS:HA	1:98:A:PRO:HD2	7	1.54	1.03	2.33
(2,122)	1:101:B:LYS:HA	1:98:B:PRO:HD2	7	1.54	1.03	2.31
(1,1137)	1:84:A:MET:HG3	1:85:A:MET:HG2	7	1.05	0.25	1.16
(1,1138)	1:84:B:MET:HG3	1:85:B:MET:HG2	7	1.05	0.25	1.15
(1,2559)	1:27:A:PHE:H	1:20:A:SER:HB3	7	1.05	0.8	1.7
(1,2560)	1:27:B:PHE:H	1:20:B:SER:HB3	7	1.05	0.8	1.69
(1,433)	1:5:A:LEU:HD22	1:6:A:GLU:HG2	7	0.83	0.19	0.9
(1,433)	1:5:A:LEU:HD21	1:6:A:GLU:HG2	7	0.83	0.19	0.9
(1,433)	1:5:A:LEU:HD23	1:6:A:GLU:HG3	7	0.83	0.19	0.9
(1,433)	1:5:A:LEU:HD22	1:6:A:GLU:HG3	7	0.83	0.19	0.9
(1,434)	1:5:B:LEU:HD22	1:6:B:GLU:HG2	7	0.83	0.19	0.9
(1,434)	1:5:B:LEU:HD21	1:6:B:GLU:HG2	7	0.83	0.19	0.9
(1,434)	1:5:B:LEU:HD23	1:6:B:GLU:HG3	7	0.83	0.19	0.9
(1,434)	1:5:B:LEU:HD22	1:6:B:GLU:HG3	7	0.83	0.19	0.9
(1,401)	1:31:A:LYS:HG2	1:59:A:MET:HG3	7	0.5	0.36	0.32
(1,402)	1:31:B:LYS:HG2	1:59:B:MET:HG3	7	0.49	0.36	0.31
(1,1551)	1:98:A:PRO:HD2	1:101:A:LYS:HG2	7	0.47	0.17	0.5
(1,1551)	1:98:A:PRO:HD2	1:101:A:LYS:HG3	7	0.47	0.17	0.5

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1552)	1:98:B:PRO:HD2	1:101:B:LYS:HG2	7	0.47	0.17	0.5
(1,1552)	1:98:B:PRO:HD2	1:101:B:LYS:HG3	7	0.47	0.17	0.5
(1,3835)	1:25:A:ASP:HB3	1:69:A:GLU:HB3	7	0.43	0.15	0.51
(1,482)	1:79:B:LEU:HD22	1:12:B:MET:HB2	7	0.43	0.19	0.39
(1,482)	1:79:B:LEU:HD21	1:12:B:MET:HB2	7	0.43	0.19	0.39
(1,482)	1:79:B:LEU:HD23	1:12:B:MET:HB2	7	0.43	0.19	0.39
(1,482)	1:79:B:LEU:HD21	1:12:B:MET:HB3	7	0.43	0.19	0.39
(1,3836)	1:25:B:ASP:HB3	1:69:B:GLU:HB3	7	0.43	0.16	0.51
(1,518)	1:42:B:LEU:HD13	1:82:B:ILE:HD12	7	0.4	0.22	0.35
(1,518)	1:42:B:LEU:HD13	1:82:B:ILE:HD13	7	0.4	0.22	0.35
(1,518)	1:42:B:LEU:HD13	1:82:B:ILE:HD11	7	0.4	0.22	0.35
(1,518)	1:42:B:LEU:HD11	1:82:B:ILE:HD13	7	0.4	0.22	0.35
(1,518)	1:42:B:LEU:HD11	1:82:B:ILE:HD12	7	0.4	0.22	0.35
(1,518)	1:42:B:LEU:HD12	1:82:B:ILE:HD11	7	0.4	0.22	0.35
(1,517)	1:42:A:LEU:HD13	1:82:A:ILE:HD12	7	0.4	0.22	0.35
(1,517)	1:42:A:LEU:HD13	1:82:A:ILE:HD13	7	0.4	0.22	0.35
(1,517)	1:42:A:LEU:HD13	1:82:A:ILE:HD11	7	0.4	0.22	0.35
(1,517)	1:42:A:LEU:HD11	1:82:A:ILE:HD13	7	0.4	0.22	0.35
(1,517)	1:42:A:LEU:HD11	1:82:A:ILE:HD12	7	0.4	0.22	0.35
(1,517)	1:42:A:LEU:HD12	1:82:A:ILE:HD11	7	0.4	0.22	0.35
(2,12)	1:7:B:LYS:HG3	1:5:B:LEU:H	7	0.4	0.18	0.43
(2,11)	1:7:A:LYS:HG3	1:5:A:LEU:H	7	0.4	0.18	0.42
(1,1227)	1:57:A:LYS:HE3	1:56:A:GLN:HA	7	0.32	0.2	0.21
(1,1227)	1:57:A:LYS:HE2	1:56:A:GLN:HA	7	0.32	0.2	0.21
(1,1228)	1:57:B:LYS:HE3	1:56:B:GLN:HA	7	0.32	0.2	0.21
(1,1228)	1:57:B:LYS:HE2	1:56:B:GLN:HA	7	0.32	0.2	0.21
(1,2911)	1:44:A:SER:H	1:42:A:LEU:HD22	7	0.3	0.14	0.27
(1,2911)	1:44:A:SER:H	1:42:A:LEU:HD21	7	0.3	0.14	0.27
(1,2912)	1:44:B:SER:H	1:42:B:LEU:HD22	7	0.29	0.14	0.26
(1,2912)	1:44:B:SER:H	1:42:B:LEU:HD21	7	0.29	0.14	0.26
(1,3366)	1:39:B:THR:HG23	1:38:B:LEU:HD22	7	0.2	0.06	0.21
(1,3366)	1:39:B:THR:HG22	1:38:B:LEU:HD12	7	0.2	0.06	0.21
(1,3366)	1:39:B:THR:HG22	1:38:B:LEU:HD23	7	0.2	0.06	0.21
(1,3366)	1:39:B:THR:HG21	1:38:B:LEU:HD11	7	0.2	0.06	0.21
(1,3366)	1:39:B:THR:HG22	1:38:B:LEU:HD13	7	0.2	0.06	0.21
(1,3366)	1:39:B:THR:HG21	1:38:B:LEU:HD23	7	0.2	0.06	0.21
(1,3366)	1:39:B:THR:HG22	1:38:B:LEU:HD21	7	0.2	0.06	0.21
(1,4192)	1:11:B:VAL:HA	1:8:B:ALA:HB2	7	0.2	0.07	0.18
(1,4192)	1:11:B:VAL:HA	1:8:B:ALA:HB1	7	0.2	0.07	0.18
(1,4192)	1:11:B:VAL:HA	1:8:B:ALA:HB3	7	0.2	0.07	0.18
(1,3553)	1:37:A:LEU:HD12	1:29:A:LEU:HA	7	0.2	0.05	0.22
(1,3553)	1:37:A:LEU:HD11	1:29:A:LEU:HA	7	0.2	0.05	0.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3553)	1:37:A:LEU:HD13	1:29:A:LEU:HA	7	0.2	0.05	0.22
(1,3554)	1:37:B:LEU:HD12	1:29:B:LEU:HA	7	0.2	0.05	0.22
(1,3554)	1:37:B:LEU:HD11	1:29:B:LEU:HA	7	0.2	0.05	0.22
(1,3554)	1:37:B:LEU:HD13	1:29:B:LEU:HA	7	0.2	0.05	0.22
(1,3365)	1:39:A:THR:HG23	1:38:A:LEU:HD22	7	0.2	0.07	0.21
(1,3365)	1:39:A:THR:HG22	1:38:A:LEU:HD12	7	0.2	0.07	0.21
(1,3365)	1:39:A:THR:HG22	1:38:A:LEU:HD23	7	0.2	0.07	0.21
(1,3365)	1:39:A:THR:HG21	1:38:A:LEU:HD11	7	0.2	0.07	0.21
(1,3365)	1:39:A:THR:HG22	1:38:A:LEU:HD13	7	0.2	0.07	0.21
(1,3365)	1:39:A:THR:HG21	1:38:A:LEU:HD23	7	0.2	0.07	0.21
(1,3365)	1:39:A:THR:HG22	1:38:A:LEU:HD21	7	0.2	0.07	0.21
(1,3813)	1:28:A:LYS:HB3	1:70:A:VAL:HG22	7	0.19	0.07	0.19
(1,3813)	1:28:A:LYS:HB3	1:70:A:VAL:HG23	7	0.19	0.07	0.19
(1,3813)	1:28:A:LYS:HB3	1:70:A:VAL:HG21	7	0.19	0.07	0.19
(1,3814)	1:28:B:LYS:HB3	1:70:B:VAL:HG22	7	0.19	0.07	0.19
(1,3814)	1:28:B:LYS:HB3	1:70:B:VAL:HG23	7	0.19	0.07	0.19
(1,3814)	1:28:B:LYS:HB3	1:70:B:VAL:HG21	7	0.19	0.07	0.19
(1,3358)	1:39:B:THR:HG23	1:35:B:LYS:HE2	7	0.19	0.05	0.17
(1,3358)	1:39:B:THR:HG22	1:35:B:LYS:HE2	7	0.19	0.05	0.17
(1,3358)	1:39:B:THR:HG21	1:36:B:GLU:HG3	7	0.19	0.05	0.17
(1,3358)	1:39:B:THR:HG21	1:35:B:LYS:HE2	7	0.19	0.05	0.17
(1,3358)	1:39:B:THR:HG22	1:36:B:GLU:HG3	7	0.19	0.05	0.17
(1,3357)	1:39:A:THR:HG23	1:35:A:LYS:HE2	7	0.19	0.06	0.17
(1,3357)	1:39:A:THR:HG22	1:35:A:LYS:HE2	7	0.19	0.06	0.17
(1,3357)	1:39:A:THR:HG21	1:36:A:GLU:HG3	7	0.19	0.06	0.17
(1,3357)	1:39:A:THR:HG21	1:35:A:LYS:HE2	7	0.19	0.06	0.17
(1,3357)	1:39:A:THR:HG22	1:36:A:GLU:HG3	7	0.19	0.06	0.17
(1,3654)	1:85:B:MET:HG2	1:82:B:ILE:HG12	7	0.18	0.06	0.17
(1,3653)	1:85:A:MET:HG2	1:82:A:ILE:HG12	7	0.18	0.06	0.17
(1,4142)	1:32:B:SER:HA	1:36:B:GLU:HG3	7	0.17	0.05	0.16
(1,2387)	1:18:A:LYS:H	1:18:A:LYS:HE2	7	0.17	0.07	0.15
(1,2387)	1:18:A:LYS:H	1:18:A:LYS:HE3	7	0.17	0.07	0.15
(1,3446)	1:35:B:LYS:HG2	1:52:B:GLU:H	7	0.17	0.04	0.18
(1,3446)	1:35:B:LYS:HG2	1:38:B:LEU:H	7	0.17	0.04	0.18
(1,4141)	1:32:A:SER:HA	1:36:A:GLU:HG3	7	0.16	0.05	0.16
(1,1990)	1:60:B:SER:HB2	1:60:B:SER:HA	7	0.12	0.01	0.12
(1,1990)	1:60:B:SER:HB3	1:60:B:SER:HA	7	0.12	0.01	0.12
(1,3587)	1:97:A:GLN:HB3	1:101:A:LYS:HD3	6	1.32	0.44	1.38
(1,3587)	1:52:A:GLU:HB3	1:57:A:LYS:HD3	6	1.32	0.44	1.38
(1,3588)	1:97:B:GLN:HB3	1:101:B:LYS:HD3	6	1.31	0.44	1.37
(1,3588)	1:52:B:GLU:HB3	1:57:B:LYS:HD3	6	1.31	0.44	1.37
(1,793)	1:17:A:HIS:HB3	1:16:A:PHE:HA	6	0.78	0.28	0.9

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,794)	1:17:B:HIS:HB3	1:16:B:PHE:HA	6	0.77	0.27	0.9
(1,3705)	1:23:A:GLU:HB3	1:33:A:GLU:HB2	6	0.72	0.14	0.73
(2,47)	1:23:A:GLU:HB3	1:33:A:GLU:HB2	6	0.72	0.14	0.73
(1,3706)	1:23:B:GLU:HB3	1:33:B:GLU:HB2	6	0.71	0.13	0.73
(2,48)	1:23:B:GLU:HB3	1:33:B:GLU:HB2	6	0.71	0.13	0.73
(1,1995)	1:32:A:SER:HB3	1:33:A:GLU:HG2	6	0.5	0.35	0.46
(1,1995)	1:32:A:SER:HB2	1:33:A:GLU:HG2	6	0.5	0.35	0.46
(1,1995)	1:32:A:SER:HB2	1:33:A:GLU:HG3	6	0.5	0.35	0.46
(1,1996)	1:32:B:SER:HB3	1:33:B:GLU:HG2	6	0.5	0.34	0.46
(1,1996)	1:32:B:SER:HB2	1:33:B:GLU:HG2	6	0.5	0.34	0.46
(1,1996)	1:32:B:SER:HB2	1:33:B:GLU:HG3	6	0.5	0.34	0.46
(1,1933)	1:50:A:THR:HA	1:46:A:LEU:HB3	6	0.44	0.03	0.44
(1,1934)	1:50:B:THR:HA	1:46:B:LEU:HB3	6	0.44	0.03	0.43
(1,3020)	1:68:B:ASN:HD22	1:66:B:ARG:HG2	6	0.38	0.15	0.38
(1,3020)	1:68:B:ASN:HD22	1:66:B:ARG:HG3	6	0.38	0.15	0.38
(1,3019)	1:68:A:ASN:HD22	1:66:A:ARG:HG2	6	0.38	0.15	0.37
(1,3019)	1:68:A:ASN:HD22	1:66:A:ARG:HG3	6	0.38	0.15	0.37
(1,2305)	1:45:A:PHE:H	1:42:A:LEU:HD23	6	0.38	0.21	0.34
(1,2305)	1:45:A:PHE:H	1:42:A:LEU:HD22	6	0.38	0.21	0.34
(1,2305)	1:45:A:PHE:H	1:42:A:LEU:HD21	6	0.38	0.21	0.34
(1,2306)	1:45:B:PHE:H	1:42:B:LEU:HD23	6	0.38	0.22	0.34
(1,2306)	1:45:B:PHE:H	1:42:B:LEU:HD22	6	0.38	0.22	0.34
(1,2306)	1:45:B:PHE:H	1:42:B:LEU:HD21	6	0.38	0.22	0.34
(2,15)	1:28:A:LYS:HG2	1:20:A:SER:HB3	6	0.29	0.16	0.27
(2,16)	1:28:B:LYS:HG2	1:20:B:SER:HB3	6	0.29	0.16	0.27
(1,2440)	1:97:B:GLN:H	1:95:B:ASP:HB2	6	0.27	0.12	0.24
(1,2440)	1:97:B:GLN:H	1:95:B:ASP:HB3	6	0.27	0.12	0.24
(1,2439)	1:97:A:GLN:H	1:95:A:ASP:HB2	6	0.26	0.12	0.24
(1,2439)	1:97:A:GLN:H	1:95:A:ASP:HB3	6	0.26	0.12	0.24
(1,1584)	1:42:B:LEU:HA	1:82:B:ILE:HD13	6	0.24	0.09	0.26
(1,1584)	1:42:B:LEU:HA	1:82:B:ILE:HD11	6	0.24	0.09	0.26
(1,1584)	1:42:B:LEU:HA	1:82:B:ILE:HD12	6	0.24	0.09	0.26
(1,993)	1:74:A:GLU:H	1:73:A:GLN:HG2	6	0.24	0.05	0.25
(1,994)	1:74:B:GLU:H	1:73:B:GLN:HG2	6	0.24	0.05	0.25
(1,469)	1:9:A:LEU:HD21	1:6:A:GLU:HA	6	0.23	0.05	0.24
(1,469)	1:9:A:LEU:HD23	1:6:A:GLU:HA	6	0.23	0.05	0.24
(1,469)	1:9:A:LEU:HD22	1:6:A:GLU:HA	6	0.23	0.05	0.24
(1,470)	1:9:B:LEU:HD21	1:6:B:GLU:HA	6	0.23	0.05	0.24
(1,470)	1:9:B:LEU:HD23	1:6:B:GLU:HA	6	0.23	0.05	0.24
(1,470)	1:9:B:LEU:HD22	1:6:B:GLU:HA	6	0.23	0.05	0.24
(1,2388)	1:18:B:LYS:H	1:18:B:LYS:HE2	6	0.18	0.07	0.16
(1,2388)	1:18:B:LYS:H	1:18:B:LYS:HE3	6	0.18	0.07	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,389)	1:31:A:LYS:HG2	1:34:A:LEU:HD22	6	0.16	0.06	0.13
(1,389)	1:31:A:LYS:HG2	1:34:A:LEU:HD21	6	0.16	0.06	0.13
(1,389)	1:31:A:LYS:HG2	1:34:A:LEU:HD23	6	0.16	0.06	0.13
(1,390)	1:31:B:LYS:HG2	1:34:B:LEU:HD22	6	0.15	0.06	0.13
(1,390)	1:31:B:LYS:HG2	1:34:B:LEU:HD21	6	0.15	0.06	0.13
(1,390)	1:31:B:LYS:HG2	1:34:B:LEU:HD23	6	0.15	0.06	0.13
(2,217)	1:75:A:TYR:H	1:79:A:LEU:H	6	0.14	0.04	0.13
(2,218)	1:75:B:TYR:H	1:79:B:LEU:H	6	0.14	0.04	0.13
(1,3015)	1:68:A:ASN:HD22	1:59:A:MET:HA	6	0.12	0.02	0.12
(1,557)	1:9:A:LEU:HG	1:9:A:LEU:HA	6	0.12	0.02	0.12
(1,558)	1:9:B:LEU:HG	1:9:B:LEU:HA	6	0.12	0.02	0.12
(1,1989)	1:60:A:SER:HB2	1:60:A:SER:HA	6	0.12	0.01	0.12
(1,1989)	1:60:A:SER:HB3	1:60:A:SER:HA	6	0.12	0.01	0.12
(1,2139)	1:29:A:LEU:H	1:30:A:ASN:HD21	6	0.11	0.01	0.11
(1,2140)	1:29:B:LEU:H	1:30:B:ASN:HD21	6	0.11	0.01	0.11
(1,744)	1:39:B:THR:HG23	1:35:B:LYS:HD3	5	0.73	0.08	0.7
(1,744)	1:39:B:THR:HG21	1:35:B:LYS:HD3	5	0.73	0.08	0.7
(1,743)	1:39:A:THR:HG23	1:35:A:LYS:HD3	5	0.73	0.08	0.7
(1,743)	1:39:A:THR:HG21	1:35:A:LYS:HD3	5	0.73	0.08	0.7
(1,2627)	1:55:A:PHE:H	1:55:A:PHE:HB2	5	0.57	0.01	0.56
(1,2628)	1:55:B:PHE:H	1:55:B:PHE:HB2	5	0.57	0.01	0.56
(1,2522)	1:57:B:LYS:H	1:56:B:GLN:HG2	5	0.54	0.03	0.56
(1,2522)	1:57:B:LYS:H	1:56:B:GLN:HG3	5	0.54	0.03	0.56
(1,2521)	1:57:A:LYS:H	1:56:A:GLN:HG2	5	0.53	0.03	0.55
(1,2521)	1:57:A:LYS:H	1:56:A:GLN:HG3	5	0.53	0.03	0.55
(1,610)	1:37:B:LEU:HD23	1:41:B:GLU:HG2	5	0.45	0.26	0.35
(1,610)	1:37:B:LEU:HD11	1:41:B:GLU:HG2	5	0.45	0.26	0.35
(1,610)	1:37:B:LEU:HD21	1:41:B:GLU:HG2	5	0.45	0.26	0.35
(1,609)	1:37:A:LEU:HD23	1:41:A:GLU:HG2	5	0.44	0.26	0.34
(1,609)	1:37:A:LEU:HD11	1:41:A:GLU:HG2	5	0.44	0.26	0.34
(1,609)	1:37:A:LEU:HD21	1:41:A:GLU:HG2	5	0.44	0.26	0.34
(1,3581)	1:31:A:LYS:HD3	1:59:A:MET:HG3	5	0.41	0.09	0.43
(1,3581)	1:31:A:LYS:HD2	1:59:A:MET:HG3	5	0.41	0.09	0.43
(1,93)	1:54:A:ALA:HB1	1:46:A:LEU:HB3	5	0.41	0.24	0.32
(1,93)	1:54:A:ALA:HB2	1:46:A:LEU:HB3	5	0.41	0.24	0.32
(1,94)	1:54:B:ALA:HB1	1:46:B:LEU:HB3	5	0.41	0.24	0.32
(1,94)	1:54:B:ALA:HB2	1:46:B:LEU:HB3	5	0.41	0.24	0.32
(1,1335)	1:26:A:LYS:HE2	1:17:A:HIS:HB3	5	0.41	0.14	0.48
(1,1335)	1:26:A:LYS:HE3	1:17:A:HIS:HB3	5	0.41	0.14	0.48
(1,1336)	1:26:B:LYS:HE2	1:17:B:HIS:HB3	5	0.4	0.15	0.48
(1,1336)	1:26:B:LYS:HE3	1:17:B:HIS:HB3	5	0.4	0.15	0.48
(1,4069)	1:17:A:HIS:HA	1:26:A:LYS:HG2	5	0.4	0.19	0.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4070)	1:17:B:HIS:HA	1:26:B:LYS:HG2	5	0.4	0.19	0.39
(1,3839)	1:25:A:ASP:HB2	1:28:A:LYS:HG3	5	0.4	0.21	0.34
(1,3839)	1:28:A:LYS:HD2	1:25:A:ASP:HB2	5	0.4	0.21	0.34
(1,3582)	1:31:B:LYS:HD3	1:59:B:MET:HG3	5	0.4	0.08	0.41
(1,3582)	1:31:B:LYS:HD2	1:59:B:MET:HG3	5	0.4	0.08	0.41
(1,3840)	1:25:B:ASP:HB2	1:28:B:LYS:HG3	5	0.4	0.21	0.33
(1,3840)	1:28:B:LYS:HD2	1:25:B:ASP:HB2	5	0.4	0.21	0.33
(1,3858)	1:7:B:LYS:HE3	1:44:A:SER:HA	5	0.38	0.19	0.51
(1,3857)	1:7:A:LYS:HE3	1:44:B:SER:HA	5	0.37	0.18	0.51
(1,217)	1:77:A:VAL:HG21	1:74:A:GLU:HG3	5	0.34	0.24	0.17
(1,217)	1:77:A:VAL:HG22	1:74:A:GLU:HG3	5	0.34	0.24	0.17
(1,217)	1:77:A:VAL:HG23	1:74:A:GLU:HG3	5	0.34	0.24	0.17
(1,218)	1:77:B:VAL:HG21	1:74:B:GLU:HG3	5	0.34	0.24	0.17
(1,218)	1:77:B:VAL:HG22	1:74:B:GLU:HG3	5	0.34	0.24	0.17
(1,218)	1:77:B:VAL:HG23	1:74:B:GLU:HG3	5	0.34	0.24	0.17
(1,607)	1:37:A:LEU:HD12	1:18:A:LYS:HE2	5	0.33	0.2	0.31
(1,607)	1:37:A:LEU:HD13	1:18:A:LYS:HE2	5	0.33	0.2	0.31
(1,607)	1:37:A:LEU:HD11	1:18:A:LYS:HE3	5	0.33	0.2	0.31
(1,607)	1:37:A:LEU:HD12	1:18:A:LYS:HE3	5	0.33	0.2	0.31
(1,607)	1:37:A:LEU:HD13	1:18:A:LYS:HE3	5	0.33	0.2	0.31
(1,608)	1:37:B:LEU:HD12	1:18:B:LYS:HE2	5	0.33	0.19	0.32
(1,608)	1:37:B:LEU:HD13	1:18:B:LYS:HE2	5	0.33	0.19	0.32
(1,608)	1:37:B:LEU:HD11	1:18:B:LYS:HE3	5	0.33	0.19	0.32
(1,608)	1:37:B:LEU:HD12	1:18:B:LYS:HE3	5	0.33	0.19	0.32
(1,608)	1:37:B:LEU:HD13	1:18:B:LYS:HE3	5	0.33	0.19	0.32
(1,1779)	1:74:A:GLU:HG3	1:74:A:GLU:HA	5	0.32	0.08	0.34
(1,1780)	1:74:B:GLU:HG3	1:74:B:GLU:HA	5	0.32	0.08	0.34
(1,2115)	1:101:A:LYS:H	1:100:A:LYS:HB2	5	0.3	0.07	0.3
(1,2115)	1:101:A:LYS:H	1:100:A:LYS:HB3	5	0.3	0.07	0.3
(1,2116)	1:101:B:LYS:H	1:100:B:LYS:HB2	5	0.3	0.07	0.3
(1,2116)	1:101:B:LYS:H	1:100:B:LYS:HB3	5	0.3	0.07	0.3
(1,148)	1:13:B:VAL:HG12	1:84:A:MET:HA	5	0.3	0.13	0.31
(1,148)	1:13:B:VAL:HG13	1:84:A:MET:HA	5	0.3	0.13	0.31
(1,148)	1:13:B:VAL:HG11	1:84:A:MET:HA	5	0.3	0.13	0.31
(1,147)	1:13:A:VAL:HG12	1:84:B:MET:HA	5	0.29	0.13	0.31
(1,147)	1:13:A:VAL:HG13	1:84:B:MET:HA	5	0.29	0.13	0.31
(1,147)	1:13:A:VAL:HG11	1:84:B:MET:HA	5	0.29	0.13	0.31
(1,1583)	1:42:A:LEU:HA	1:82:A:ILE:HD13	5	0.27	0.08	0.32
(1,1583)	1:42:A:LEU:HA	1:82:A:ILE:HD11	5	0.27	0.08	0.32
(1,1583)	1:42:A:LEU:HA	1:82:A:ILE:HD12	5	0.27	0.08	0.32
(1,2089)	1:26:A:LYS:H	1:28:A:LYS:HA	5	0.22	0.05	0.25
(1,2090)	1:26:B:LYS:H	1:28:B:LYS:HA	5	0.21	0.05	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2544)	1:93:B:PHE:H	1:92:B:GLY:HA3	5	0.2	0.04	0.2
(2,32)	1:17:B:HIS:HB2	1:21:B:GLY:HA3	5	0.2	0.05	0.2
(1,1369)	1:22:A:LYS:HE2	1:18:A:LYS:HG2	5	0.2	0.07	0.14
(1,1369)	1:22:A:LYS:HE3	1:18:A:LYS:HG2	5	0.2	0.07	0.14
(1,2543)	1:93:A:PHE:H	1:92:A:GLY:HA3	5	0.2	0.04	0.2
(1,1370)	1:22:B:LYS:HE2	1:18:B:LYS:HG2	5	0.2	0.07	0.14
(1,1370)	1:22:B:LYS:HE3	1:18:B:LYS:HG2	5	0.2	0.07	0.14
(2,31)	1:17:A:HIS:HB2	1:21:A:GLY:HA3	5	0.2	0.05	0.2
(1,2462)	1:37:B:LEU:H	1:29:B:LEU:HD11	5	0.18	0.04	0.17
(1,2462)	1:37:B:LEU:H	1:29:B:LEU:HD13	5	0.18	0.04	0.17
(1,2462)	1:37:B:LEU:H	1:29:B:LEU:HD12	5	0.18	0.04	0.17
(1,2461)	1:37:A:LEU:H	1:29:A:LEU:HD11	5	0.18	0.04	0.17
(1,2461)	1:37:A:LEU:H	1:29:A:LEU:HD13	5	0.18	0.04	0.17
(1,2461)	1:37:A:LEU:H	1:29:A:LEU:HD12	5	0.18	0.04	0.17
(1,1937)	1:50:A:THR:HA	1:54:A:ALA:HB2	5	0.16	0.05	0.14
(1,1937)	1:50:A:THR:HA	1:54:A:ALA:HB1	5	0.16	0.05	0.14
(1,1938)	1:50:B:THR:HA	1:54:B:ALA:HB2	5	0.16	0.05	0.14
(1,1938)	1:50:B:THR:HA	1:54:B:ALA:HB1	5	0.16	0.05	0.14
(1,3315)	1:82:A:ILE:HG22	1:9:B:LEU:HB2	5	0.16	0.06	0.13
(1,3315)	1:82:A:ILE:HG21	1:9:B:LEU:HB2	5	0.16	0.06	0.13
(1,3384)	1:14:B:SER:H	1:13:B:VAL:HG23	5	0.15	0.02	0.15
(1,3384)	1:14:B:SER:H	1:13:B:VAL:HG22	5	0.15	0.02	0.15
(1,3383)	1:14:A:SER:H	1:13:A:VAL:HG23	5	0.15	0.03	0.15
(1,3383)	1:14:A:SER:H	1:13:A:VAL:HG22	5	0.15	0.03	0.15
(1,4237)	1:70:A:VAL:H	1:29:A:LEU:HA	5	0.14	0.02	0.14
(1,4238)	1:70:B:VAL:H	1:29:B:LEU:HA	5	0.14	0.02	0.13
(1,3016)	1:68:B:ASN:HD22	1:59:B:MET:HA	5	0.13	0.02	0.12
(3,77)	1:84:A:MET:N	1:80:A:SER:O	5	0.12	0.0	0.12
(3,169)	1:84:B:MET:N	1:80:B:SER:O	5	0.12	0.0	0.12
(1,3569)	1:48:A:LYS:HD2	1:48:A:LYS:HA	4	0.81	0.21	0.9
(1,3569)	1:100:A:LYS:HD2	1:100:A:LYS:HA	4	0.81	0.21	0.9
(1,3570)	1:48:B:LYS:HD2	1:48:B:LYS:HA	4	0.8	0.2	0.9
(1,3570)	1:100:B:LYS:HD2	1:100:B:LYS:HA	4	0.8	0.2	0.9
(1,3959)	1:99:A:ARG:HD3	1:98:A:PRO:HD2	4	0.67	0.23	0.77
(1,3960)	1:99:B:ARG:HD3	1:98:B:PRO:HD2	4	0.66	0.23	0.77
(1,21)	1:31:A:LYS:HG2	1:31:A:LYS:HE2	4	0.62	0.28	0.74
(1,21)	1:31:A:LYS:HG2	1:31:A:LYS:HE3	4	0.62	0.28	0.74
(1,22)	1:31:B:LYS:HG2	1:31:B:LYS:HE2	4	0.62	0.28	0.74
(1,22)	1:31:B:LYS:HG2	1:31:B:LYS:HE3	4	0.62	0.28	0.74
(1,3085)	1:65:A:ASN:HD22	1:98:B:PRO:HG3	4	0.61	0.19	0.64
(1,3086)	1:65:B:ASN:HD22	1:98:A:PRO:HG3	4	0.61	0.18	0.64
(1,3489)	1:34:A:LEU:HD21	1:35:A:LYS:H	4	0.54	0.39	0.55

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3489)	1:34:A:LEU:HD22	1:35:A:LYS:H	4	0.54	0.39	0.55
(1,1562)	1:30:B:ASN:HA	1:31:B:LYS:HG2	4	0.53	0.16	0.52
(1,1561)	1:30:A:ASN:HA	1:31:A:LYS:HG2	4	0.53	0.16	0.52
(1,3490)	1:34:B:LEU:HD21	1:35:B:LYS:H	4	0.53	0.39	0.55
(1,3490)	1:34:B:LEU:HD22	1:35:B:LYS:H	4	0.53	0.39	0.55
(2,19)	1:5:A:LEU:HG	1:6:A:GLU:HB2	4	0.49	0.16	0.56
(2,20)	1:5:B:LEU:HG	1:6:B:GLU:HB2	4	0.49	0.16	0.56
(1,1322)	1:56:B:GLN:HE21	1:31:B:LYS:HE3	4	0.48	0.17	0.48
(1,1322)	1:56:B:GLN:HE21	1:31:B:LYS:HE2	4	0.48	0.17	0.48
(1,1904)	1:20:B:SER:HB2	1:19:B:TYR:H	4	0.48	0.03	0.49
(1,3617)	1:17:A:HIS:HB3	1:13:A:VAL:HG13	4	0.48	0.16	0.56
(1,3617)	1:17:A:HIS:HB3	1:13:A:VAL:HG11	4	0.48	0.16	0.56
(1,3617)	1:17:A:HIS:HB3	1:13:A:VAL:HG12	4	0.48	0.16	0.56
(1,2745)	1:34:A:LEU:H	1:33:A:GLU:HG2	4	0.48	0.12	0.52
(1,2746)	1:34:B:LEU:H	1:33:B:GLU:HG2	4	0.48	0.12	0.52
(1,1903)	1:20:A:SER:HB2	1:19:A:TYR:H	4	0.48	0.03	0.49
(1,3618)	1:17:B:HIS:HB3	1:13:B:VAL:HG13	4	0.48	0.16	0.55
(1,3618)	1:17:B:HIS:HB3	1:13:B:VAL:HG11	4	0.48	0.16	0.55
(1,3618)	1:17:B:HIS:HB3	1:13:B:VAL:HG12	4	0.48	0.16	0.55
(1,1321)	1:56:A:GLN:HE21	1:31:A:LYS:HE3	4	0.48	0.18	0.47
(1,1321)	1:56:A:GLN:HE21	1:31:A:LYS:HE2	4	0.48	0.18	0.47
(1,778)	1:6:B:GLU:HB3	1:7:B:LYS:HE3	4	0.45	0.36	0.28
(1,778)	1:6:B:GLU:HB3	1:7:B:LYS:HE2	4	0.45	0.36	0.28
(1,777)	1:6:A:GLU:HB3	1:7:A:LYS:HE3	4	0.45	0.35	0.28
(1,777)	1:6:A:GLU:HB3	1:7:A:LYS:HE2	4	0.45	0.35	0.28
(1,2591)	1:56:A:GLN:H	1:55:A:PHE:HB2	4	0.44	0.11	0.48
(1,2592)	1:56:B:GLN:H	1:55:B:PHE:HB2	4	0.44	0.11	0.48
(1,3793)	1:28:A:LYS:HB2	1:20:A:SER:HB3	4	0.43	0.17	0.42
(1,3794)	1:28:B:LYS:HB2	1:20:B:SER:HB3	4	0.43	0.17	0.42
(1,1601)	1:69:A:GLU:HA	1:34:A:LEU:HD12	4	0.43	0.28	0.44
(1,1601)	1:69:A:GLU:HA	1:34:A:LEU:HD11	4	0.43	0.28	0.44
(1,1602)	1:69:B:GLU:HA	1:34:B:LEU:HD12	4	0.43	0.28	0.44
(1,1602)	1:69:B:GLU:HA	1:34:B:LEU:HD11	4	0.43	0.28	0.44
(1,919)	1:48:A:LYS:HB2	1:48:A:LYS:HE2	4	0.43	0.09	0.44
(1,919)	1:48:A:LYS:HB2	1:48:A:LYS:HE3	4	0.43	0.09	0.44
(1,920)	1:48:B:LYS:HB2	1:48:B:LYS:HE2	4	0.43	0.09	0.44
(1,920)	1:48:B:LYS:HB2	1:48:B:LYS:HE3	4	0.43	0.09	0.44
(1,1047)	1:23:A:GLU:HG2	1:33:A:GLU:HG2	4	0.42	0.32	0.29
(1,1047)	1:23:A:GLU:HG2	1:33:A:GLU:HG3	4	0.42	0.32	0.29
(1,1047)	1:23:A:GLU:HG3	1:33:A:GLU:HG2	4	0.42	0.32	0.29
(1,1048)	1:23:B:GLU:HG2	1:33:B:GLU:HG2	4	0.42	0.32	0.3
(1,1048)	1:23:B:GLU:HG2	1:33:B:GLU:HG3	4	0.42	0.32	0.3

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1048)	1:23:B:GLU:HG3	1:33:B:GLU:HG2	4	0.42	0.32	0.3
(1,1443)	1:49:A:ARG:HD2	1:46:A:LEU:HD11	4	0.42	0.15	0.42
(1,1443)	1:49:A:ARG:HD2	1:46:A:LEU:HD13	4	0.42	0.15	0.42
(1,1444)	1:49:B:ARG:HD2	1:46:B:LEU:HD11	4	0.42	0.15	0.42
(1,1444)	1:49:B:ARG:HD2	1:46:B:LEU:HD13	4	0.42	0.15	0.42
(1,4143)	1:20:A:SER:HA	1:17:A:HIS:HA	4	0.35	0.08	0.3
(1,4144)	1:20:B:SER:HA	1:17:B:HIS:HA	4	0.35	0.08	0.3
(1,689)	1:35:A:LYS:HD3	1:55:A:PHE:HB2	4	0.32	0.16	0.33
(1,690)	1:35:B:LYS:HD3	1:55:B:PHE:HB2	4	0.32	0.16	0.33
(1,841)	1:29:A:LEU:HD13	1:33:A:GLU:HB3	4	0.31	0.11	0.32
(1,841)	1:29:A:LEU:HD11	1:33:A:GLU:HB3	4	0.31	0.11	0.32
(1,841)	1:29:A:LEU:HD12	1:33:A:GLU:HB3	4	0.31	0.11	0.32
(1,842)	1:29:B:LEU:HD13	1:33:B:GLU:HB3	4	0.31	0.11	0.32
(1,842)	1:29:B:LEU:HD11	1:33:B:GLU:HB3	4	0.31	0.11	0.32
(1,842)	1:29:B:LEU:HD12	1:33:B:GLU:HB3	4	0.31	0.11	0.32
(1,998)	1:73:B:GLN:HG3	1:97:A:GLN:HE21	4	0.31	0.26	0.2
(1,997)	1:73:A:GLN:HG3	1:97:B:GLN:HE21	4	0.31	0.26	0.19
(1,3685)	1:97:A:GLN:HG3	1:98:A:PRO:HD2	4	0.25	0.08	0.22
(1,3686)	1:97:B:GLN:HG3	1:98:B:PRO:HD2	4	0.25	0.08	0.22
(1,4497)	1:87:A:ASN:HD22	1:95:A:ASP:H	4	0.25	0.05	0.26
(1,4498)	1:87:B:ASN:HD22	1:95:B:ASP:H	4	0.25	0.05	0.26
(1,1976)	1:14:B:SER:HB3	1:18:B:LYS:HE2	4	0.24	0.17	0.17
(1,1976)	1:14:B:SER:HB2	1:18:B:LYS:HE2	4	0.24	0.17	0.17
(1,1975)	1:14:A:SER:HB3	1:18:A:LYS:HE2	4	0.24	0.16	0.16
(1,1975)	1:14:A:SER:HB2	1:18:A:LYS:HE2	4	0.24	0.16	0.16
(1,3735)	1:94:A:PRO:HB2	1:88:A:GLU:HG3	4	0.24	0.06	0.22
(1,3736)	1:94:B:PRO:HB2	1:88:B:GLU:HG3	4	0.24	0.06	0.22
(1,3067)	1:60:A:SER:H	1:59:A:MET:HG2	4	0.23	0.06	0.25
(1,3068)	1:60:B:SER:H	1:59:B:MET:HG2	4	0.23	0.06	0.26
(2,78)	1:49:B:ARG:HD2	1:46:B:LEU:HA	4	0.22	0.07	0.22
(2,77)	1:49:A:ARG:HD2	1:46:A:LEU:HA	4	0.22	0.07	0.22
(2,3)	1:35:A:LYS:HG2	1:36:A:GLU:HA	4	0.21	0.02	0.2
(2,4)	1:35:B:LYS:HG2	1:36:B:GLU:HA	4	0.21	0.02	0.2
(1,2711)	1:15:A:THR:H	1:2:B:ALA:HB2	4	0.2	0.07	0.17
(1,2711)	1:15:A:THR:H	1:2:B:ALA:HB3	4	0.2	0.07	0.17
(1,3953)	1:94:A:PRO:HD3	1:93:A:PHE:H	4	0.2	0.06	0.2
(1,3954)	1:94:B:PRO:HD3	1:93:B:PHE:H	4	0.19	0.06	0.2
(1,318)	1:62:B:LEU:HD21	1:82:B:ILE:HD12	4	0.18	0.03	0.18
(1,318)	1:62:B:LEU:HD22	1:82:B:ILE:HD11	4	0.18	0.03	0.18
(1,318)	1:62:B:LEU:HD21	1:82:B:ILE:HD11	4	0.18	0.03	0.18
(1,318)	1:62:B:LEU:HD23	1:82:B:ILE:HD11	4	0.18	0.03	0.18
(1,2712)	1:15:B:THR:H	1:2:A:ALA:HB2	4	0.18	0.07	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2712)	1:15:B:THR:H	1:2:A:ALA:HB3	4	0.18	0.07	0.16
(1,1255)	1:28:A:LYS:HB3	1:70:A:VAL:HG22	4	0.18	0.05	0.17
(1,1255)	1:28:A:LYS:HB3	1:70:A:VAL:HG21	4	0.18	0.05	0.17
(1,1256)	1:28:B:LYS:HB3	1:70:B:VAL:HG22	4	0.18	0.05	0.17
(1,1256)	1:28:B:LYS:HB3	1:70:B:VAL:HG21	4	0.18	0.05	0.17
(1,3316)	1:82:B:ILE:HG22	1:9:A:LEU:HB2	4	0.18	0.07	0.16
(1,317)	1:62:A:LEU:HD21	1:82:A:ILE:HD12	4	0.18	0.03	0.18
(1,317)	1:62:A:LEU:HD22	1:82:A:ILE:HD11	4	0.18	0.03	0.18
(1,317)	1:62:A:LEU:HD21	1:82:A:ILE:HD11	4	0.18	0.03	0.18
(1,317)	1:62:A:LEU:HD23	1:82:A:ILE:HD11	4	0.18	0.03	0.18
(1,3456)	1:21:B:GLY:H	1:26:B:LYS:HG3	4	0.18	0.06	0.16
(1,3305)	1:39:A:THR:HB	1:46:A:LEU:HD12	4	0.18	0.06	0.17
(1,3305)	1:39:A:THR:HB	1:46:A:LEU:HD13	4	0.18	0.06	0.17
(1,3306)	1:39:B:THR:HB	1:46:B:LEU:HD12	4	0.18	0.07	0.17
(1,3306)	1:39:B:THR:HB	1:46:B:LEU:HD13	4	0.18	0.07	0.17
(1,1545)	1:43:A:PRO:HD2	1:7:B:LYS:HD2	4	0.17	0.05	0.16
(1,1546)	1:43:B:PRO:HD2	1:7:A:LYS:HD2	4	0.16	0.05	0.14
(1,1467)	1:29:A:LEU:HB2	1:31:A:LYS:HA	4	0.15	0.01	0.15
(1,1468)	1:29:B:LEU:HB2	1:31:B:LYS:HA	4	0.15	0.01	0.15
(2,193)	1:22:A:LYS:H	1:30:A:ASN:HD21	4	0.15	0.04	0.13
(2,194)	1:22:B:LYS:H	1:30:B:ASN:HD21	4	0.15	0.04	0.13
(3,61)	1:76:A:SER:N	1:72:A:PHE:O	4	0.14	0.02	0.14
(1,4107)	1:35:A:LYS:HA	1:35:A:LYS:HE2	4	0.14	0.02	0.14
(1,4108)	1:35:B:LYS:HA	1:35:B:LYS:HE2	4	0.14	0.02	0.13
(3,153)	1:76:B:SER:N	1:72:B:PHE:O	4	0.14	0.02	0.14
(1,1785)	1:59:A:MET:HA	1:59:A:MET:HG2	4	0.14	0.02	0.13
(1,1786)	1:59:B:MET:HA	1:59:B:MET:HG2	4	0.14	0.02	0.13
(1,3106)	1:50:B:THR:H	1:52:B:GLU:H	4	0.13	0.01	0.13
(1,3105)	1:50:A:THR:H	1:52:A:GLU:H	4	0.12	0.02	0.12
(3,7)	1:10:A:ASP:N	1:6:A:GLU:O	4	0.12	0.01	0.12
(3,99)	1:10:B:ASP:N	1:6:B:GLU:O	4	0.12	0.01	0.12
(2,184)	1:45:B:PHE:H	1:43:B:PRO:HB3	4	0.11	0.0	0.11
(1,3655)	1:48:A:LYS:HB3	1:48:A:LYS:HE2	3	0.7	0.19	0.62
(1,3655)	1:7:A:LYS:HB3	1:7:A:LYS:HE2	3	0.7	0.19	0.62
(1,3655)	1:7:A:LYS:HB3	1:7:A:LYS:HE3	3	0.7	0.19	0.62
(1,3656)	1:48:B:LYS:HB3	1:48:B:LYS:HE2	3	0.7	0.19	0.63
(1,3656)	1:7:B:LYS:HB3	1:7:B:LYS:HE2	3	0.7	0.19	0.63
(1,3656)	1:7:B:LYS:HB3	1:7:B:LYS:HE3	3	0.7	0.19	0.63
(1,121)	1:2:A:ALA:HB1	1:37:B:LEU:HG	3	0.65	0.06	0.69
(1,121)	1:2:A:ALA:HB3	1:37:B:LEU:HG	3	0.65	0.06	0.69
(1,122)	1:2:B:ALA:HB1	1:37:A:LEU:HG	3	0.65	0.06	0.69
(1,122)	1:2:B:ALA:HB3	1:37:A:LEU:HG	3	0.65	0.06	0.69

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1142)	1:65:B:ASN:HB2	1:98:A:PRO:HB2	3	0.6	0.16	0.54
(1,1141)	1:65:A:ASN:HB2	1:98:B:PRO:HB2	3	0.6	0.16	0.53
(1,890)	1:61:B:ASN:HD21	1:57:B:LYS:HB3	3	0.58	0.67	0.11
(1,890)	1:61:B:ASN:HD21	1:57:B:LYS:HB2	3	0.58	0.67	0.11
(1,889)	1:61:A:ASN:HD21	1:57:A:LYS:HB3	3	0.58	0.67	0.1
(1,889)	1:61:A:ASN:HD21	1:57:A:LYS:HB2	3	0.58	0.67	0.1
(1,4452)	1:69:B:GLU:H	1:67:B:ASP:HB3	3	0.49	0.06	0.49
(1,4451)	1:69:A:GLU:H	1:67:A:ASP:HB3	3	0.49	0.06	0.48
(2,38)	1:40:B:ARG:HB2	1:36:B:GLU:HG2	3	0.49	0.54	0.11
(1,1901)	1:20:A:SER:HB3	1:30:A:ASN:HD21	3	0.44	0.11	0.38
(1,1902)	1:20:B:SER:HB3	1:30:B:ASN:HD21	3	0.44	0.11	0.38
(2,150)	1:14:B:SER:HA	1:16:B:PHE:HB3	3	0.42	0.1	0.36
(1,505)	1:42:A:LEU:HD11	1:45:A:PHE:HB2	3	0.42	0.34	0.24
(1,505)	1:42:A:LEU:HD11	1:45:A:PHE:HB3	3	0.42	0.34	0.24
(1,505)	1:42:A:LEU:HD13	1:45:A:PHE:HB3	3	0.42	0.34	0.24
(1,506)	1:42:B:LEU:HD11	1:45:B:PHE:HB2	3	0.42	0.34	0.24
(1,506)	1:42:B:LEU:HD11	1:45:B:PHE:HB3	3	0.42	0.34	0.24
(1,506)	1:42:B:LEU:HD13	1:45:B:PHE:HB3	3	0.42	0.34	0.24
(1,1013)	1:23:A:GLU:HB2	1:32:A:SER:HB3	3	0.42	0.08	0.46
(1,1013)	1:23:A:GLU:HB2	1:32:A:SER:HB2	3	0.42	0.08	0.46
(1,1014)	1:23:B:GLU:HB2	1:32:B:SER:HB3	3	0.42	0.08	0.47
(1,1014)	1:23:B:GLU:HB2	1:32:B:SER:HB2	3	0.42	0.08	0.47
(2,149)	1:14:A:SER:HA	1:16:A:PHE:HB3	3	0.42	0.09	0.36
(1,4499)	1:87:A:ASN:HD21	1:96:A:LYS:H	3	0.41	0.08	0.44
(1,4500)	1:87:B:ASN:HD21	1:96:B:LYS:H	3	0.41	0.08	0.44
(2,280)	1:56:B:GLN:HE22	1:59:B:MET:HG3	3	0.39	0.34	0.18
(1,909)	1:94:A:PRO:HB3	1:96:A:LYS:HG3	3	0.39	0.05	0.37
(1,910)	1:94:B:PRO:HB3	1:96:B:LYS:HG3	3	0.39	0.05	0.37
(2,279)	1:56:A:GLN:HE22	1:59:A:MET:HG3	3	0.38	0.33	0.18
(1,1884)	1:6:B:GLU:HA	1:79:A:LEU:HD11	3	0.37	0.08	0.37
(1,1884)	1:6:B:GLU:HA	1:79:A:LEU:HD13	3	0.37	0.08	0.37
(1,1883)	1:6:A:GLU:HA	1:79:B:LEU:HD11	3	0.36	0.07	0.37
(1,1883)	1:6:A:GLU:HA	1:79:B:LEU:HD13	3	0.36	0.07	0.37
(1,1330)	1:18:B:LYS:HE3	1:19:B:TYR:HA	3	0.36	0.14	0.3
(1,1329)	1:18:A:LYS:HE3	1:19:A:TYR:HA	3	0.35	0.14	0.29
(1,4551)	1:56:A:GLN:HE21	1:60:A:SER:HA	3	0.33	0.12	0.4
(1,4552)	1:56:B:GLN:HE21	1:60:B:SER:HA	3	0.33	0.12	0.39
(1,779)	1:28:A:LYS:HD2	1:25:A:ASP:HB2	3	0.3	0.21	0.18
(1,780)	1:28:B:LYS:HD2	1:25:B:ASP:HB2	3	0.3	0.21	0.18
(1,2489)	1:96:A:LYS:H	1:96:A:LYS:HB3	3	0.29	0.09	0.33
(1,2490)	1:96:B:LYS:H	1:96:B:LYS:HB3	3	0.29	0.09	0.33
(1,2960)	1:28:B:LYS:H	1:26:B:LYS:HD2	3	0.29	0.08	0.32

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2959)	1:28:A:LYS:H	1:26:A:LYS:HD2	3	0.28	0.07	0.32
(1,2958)	1:28:B:LYS:H	1:20:B:SER:HB3	3	0.27	0.11	0.27
(1,2957)	1:28:A:LYS:H	1:20:A:SER:HB3	3	0.27	0.11	0.27
(1,2584)	1:16:B:PHE:H	1:29:B:LEU:HD12	3	0.25	0.07	0.25
(1,2584)	1:16:B:PHE:H	1:29:B:LEU:HD11	3	0.25	0.07	0.25
(1,2029)	1:43:A:PRO:HA	1:45:A:PHE:HB3	3	0.25	0.06	0.21
(1,2030)	1:43:B:PRO:HA	1:45:B:PHE:HB3	3	0.25	0.06	0.21
(1,2583)	1:16:A:PHE:H	1:29:A:LEU:HD12	3	0.24	0.06	0.24
(1,2583)	1:16:A:PHE:H	1:29:A:LEU:HD11	3	0.24	0.06	0.24
(1,2922)	1:66:B:ARG:H	1:63:B:ASP:HB2	3	0.23	0.13	0.14
(1,2921)	1:66:A:ARG:H	1:63:A:ASP:HB2	3	0.23	0.13	0.14
(1,3084)	1:65:B:ASN:HD22	1:67:B:ASP:HB2	3	0.23	0.02	0.22
(1,153)	1:13:A:VAL:HG11	1:87:B:ASN:HB2	3	0.23	0.04	0.22
(1,154)	1:13:B:VAL:HG11	1:87:A:ASN:HB2	3	0.22	0.04	0.21
(1,3083)	1:65:A:ASN:HD22	1:67:A:ASP:HB2	3	0.22	0.02	0.22
(1,235)	1:70:A:VAL:HG21	1:63:A:ASP:HB3	3	0.21	0.05	0.21
(1,235)	1:70:A:VAL:HG23	1:63:A:ASP:HB3	3	0.21	0.05	0.21
(1,236)	1:70:B:VAL:HG21	1:63:B:ASP:HB3	3	0.21	0.04	0.21
(1,236)	1:70:B:VAL:HG23	1:63:B:ASP:HB3	3	0.21	0.04	0.21
(1,275)	1:9:A:LEU:HD12	1:79:B:LEU:HD11	3	0.21	0.04	0.21
(1,275)	1:9:A:LEU:HD11	1:79:B:LEU:HD13	3	0.21	0.04	0.21
(1,275)	1:9:A:LEU:HD13	1:79:B:LEU:HD11	3	0.21	0.04	0.21
(1,2069)	1:13:A:VAL:HA	1:83:B:ALA:HB1	3	0.21	0.06	0.23
(1,2069)	1:13:A:VAL:HA	1:83:B:ALA:HB3	3	0.21	0.06	0.23
(2,83)	1:63:A:ASP:HA	1:59:A:MET:HG2	3	0.21	0.07	0.17
(2,84)	1:63:B:ASP:HA	1:59:B:MET:HG2	3	0.21	0.07	0.17
(1,276)	1:9:B:LEU:HD12	1:79:A:LEU:HD11	3	0.2	0.04	0.2
(1,276)	1:9:B:LEU:HD11	1:79:A:LEU:HD13	3	0.2	0.04	0.2
(1,276)	1:9:B:LEU:HD13	1:79:A:LEU:HD11	3	0.2	0.04	0.2
(1,2070)	1:13:B:VAL:HA	1:83:A:ALA:HB1	3	0.2	0.05	0.23
(1,2070)	1:13:B:VAL:HA	1:83:A:ALA:HB3	3	0.2	0.05	0.23
(1,3455)	1:21:A:GLY:H	1:26:A:LYS:HG3	3	0.2	0.06	0.17
(1,300)	1:38:B:LEU:HD12	1:45:B:PHE:HB3	3	0.19	0.1	0.14
(1,300)	1:38:B:LEU:HD13	1:45:B:PHE:HB3	3	0.19	0.1	0.14
(1,300)	1:38:B:LEU:HD13	1:45:B:PHE:HB2	3	0.19	0.1	0.14
(1,1533)	1:98:A:PRO:HD2	1:97:A:GLN:HA	3	0.17	0.08	0.13
(1,1534)	1:98:B:PRO:HD2	1:97:B:GLN:HA	3	0.17	0.08	0.13
(1,2548)	1:93:B:PHE:H	1:91:B:GLU:HG3	3	0.17	0.04	0.2
(1,2547)	1:93:A:PHE:H	1:91:A:GLU:HG3	3	0.17	0.04	0.19
(1,673)	1:35:A:LYS:HD3	1:35:A:LYS:H	3	0.15	0.02	0.16
(1,674)	1:35:B:LYS:HD3	1:35:B:LYS:H	3	0.15	0.02	0.16
(1,3165)	1:30:A:ASN:HD22	1:29:A:LEU:H	3	0.14	0.02	0.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3166)	1:30:B:ASN:HD22	1:29:B:LEU:H	3	0.14	0.03	0.14
(1,4314)	1:74:B:GLU:H	1:74:B:GLU:HB3	3	0.13	0.02	0.14
(1,4313)	1:74:A:GLU:H	1:74:A:GLU:HB3	3	0.13	0.02	0.13
(1,766)	1:28:B:LYS:HD2	1:29:B:LEU:H	3	0.12	0.01	0.11
(2,53)	1:65:A:ASN:HB3	1:66:A:ARG:HA	3	0.12	0.02	0.11
(2,54)	1:65:B:ASN:HB3	1:66:B:ARG:HA	3	0.12	0.02	0.11
(1,765)	1:28:A:LYS:HD2	1:29:A:LEU:H	3	0.11	0.02	0.1
(2,183)	1:45:A:PHE:H	1:43:A:PRO:HB3	3	0.11	0.0	0.11
(1,3622)	1:45:B:PHE:H	1:43:B:PRO:HB3	3	0.11	0.0	0.11
(1,962)	1:59:B:MET:HG2	1:59:B:MET:HB3	3	0.1	0.0	0.1
(1,2147)	1:29:A:LEU:H	1:34:A:LEU:HD13	2	1.52	0.07	1.52
(1,2147)	1:29:A:LEU:H	1:34:A:LEU:HD11	2	1.52	0.07	1.52
(1,2148)	1:29:B:LEU:H	1:34:B:LEU:HD13	2	1.52	0.07	1.52
(1,2148)	1:29:B:LEU:H	1:34:B:LEU:HD11	2	1.52	0.07	1.52
(1,3451)	1:35:A:LYS:HG2	1:52:A:GLU:HB3	2	1.3	0.02	1.3
(1,3452)	1:35:B:LYS:HG2	1:52:B:GLU:HB3	2	1.3	0.02	1.3
(1,1459)	1:29:A:LEU:HB2	1:34:A:LEU:HD13	2	1.18	0.01	1.18
(1,1459)	1:29:A:LEU:HB2	1:34:A:LEU:HD11	2	1.18	0.01	1.18
(1,1460)	1:29:B:LEU:HB2	1:34:B:LEU:HD13	2	1.18	0.01	1.18
(1,1460)	1:29:B:LEU:HB2	1:34:B:LEU:HD11	2	1.18	0.01	1.18
(1,2707)	1:15:A:THR:H	1:16:A:PHE:HB3	2	0.84	0.04	0.84
(1,2708)	1:15:B:THR:H	1:16:B:PHE:HB3	2	0.84	0.04	0.84
(1,3707)	1:41:A:GLU:HG3	1:2:B:ALA:HB3	2	0.78	0.64	0.78
(1,3707)	1:42:A:LEU:HG	1:41:A:GLU:HG3	2	0.78	0.64	0.78
(1,3708)	1:41:B:GLU:HG3	1:2:A:ALA:HB3	2	0.78	0.64	0.78
(1,3708)	1:42:B:LEU:HG	1:41:B:GLU:HG3	2	0.78	0.64	0.78
(1,775)	1:28:A:LYS:HD2	1:71:A:ASP:HB3	2	0.77	0.16	0.77
(1,776)	1:28:B:LYS:HD2	1:71:B:ASP:HB3	2	0.77	0.16	0.77
(1,3453)	1:35:A:LYS:HG2	1:34:A:LEU:HD21	2	0.72	0.04	0.72
(1,3453)	1:35:A:LYS:HG2	1:58:A:LEU:HD23	2	0.72	0.04	0.72
(1,3454)	1:35:B:LYS:HG2	1:34:B:LEU:HD21	2	0.7	0.04	0.7
(1,3454)	1:35:B:LYS:HG2	1:58:B:LEU:HD23	2	0.7	0.04	0.7
(2,37)	1:40:A:ARG:HB2	1:36:A:GLU:HG2	2	0.68	0.57	0.68
(1,3829)	1:34:A:LEU:HB2	1:33:A:GLU:HA	2	0.64	0.01	0.64
(1,3830)	1:34:B:LEU:HB2	1:33:B:GLU:HA	2	0.64	0.01	0.64
(2,63)	1:25:A:ASP:HB2	1:28:A:LYS:HD3	2	0.62	0.04	0.62
(2,64)	1:25:B:ASP:HB2	1:28:B:LYS:HD3	2	0.62	0.04	0.62
(1,1361)	1:28:A:LYS:HG3	1:71:A:ASP:HB3	2	0.62	0.04	0.62
(1,1362)	1:28:B:LYS:HG3	1:71:B:ASP:HB3	2	0.62	0.04	0.62
(2,42)	1:35:B:LYS:HB2	1:34:B:LEU:HB3	2	0.62	0.04	0.62
(2,41)	1:35:A:LYS:HB2	1:34:A:LEU:HB3	2	0.61	0.04	0.61
(1,1737)	1:34:A:LEU:HA	1:34:A:LEU:HD13	2	0.6	0.14	0.6

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1737)	1:34:A:LEU:HA	1:34:A:LEU:HD11	2	0.6	0.14	0.6
(1,1738)	1:34:B:LEU:HA	1:34:B:LEU:HD13	2	0.6	0.13	0.6
(1,1738)	1:34:B:LEU:HA	1:34:B:LEU:HD11	2	0.6	0.13	0.6
(1,1517)	1:21:A:GLY:HA2	1:26:A:LYS:HE2	2	0.57	0.13	0.57
(1,1517)	1:21:A:GLY:HA2	1:26:A:LYS:HE3	2	0.57	0.13	0.57
(1,1518)	1:21:B:GLY:HA2	1:26:B:LYS:HE2	2	0.57	0.13	0.57
(1,1518)	1:21:B:GLY:HA2	1:26:B:LYS:HE3	2	0.57	0.13	0.57
(1,670)	1:94:B:PRO:HG2	1:97:B:GLN:HB2	2	0.56	0.08	0.56
(1,669)	1:94:A:PRO:HG2	1:97:A:GLN:HB2	2	0.56	0.08	0.56
(1,3059)	1:97:A:GLN:HE21	1:96:A:LYS:HB2	2	0.5	0.12	0.5
(1,3060)	1:97:B:GLN:HE21	1:96:B:LYS:HB2	2	0.48	0.12	0.48
(1,2429)	1:74:A:GLU:H	1:97:B:GLN:HE21	2	0.46	0.32	0.46
(1,2430)	1:74:B:GLU:H	1:97:A:GLN:HE21	2	0.46	0.32	0.46
(1,1953)	1:44:A:SER:HB3	1:45:A:PHE:HB2	2	0.38	0.02	0.38
(1,1954)	1:44:B:SER:HB3	1:45:B:PHE:HB2	2	0.38	0.02	0.38
(1,1867)	1:73:A:GLN:HA	1:76:A:SER:HB3	2	0.36	0.01	0.36
(1,1868)	1:73:B:GLN:HA	1:76:B:SER:HB3	2	0.36	0.01	0.36
(1,483)	1:42:A:LEU:HD11	1:42:A:LEU:HB3	2	0.33	0.13	0.33
(1,483)	1:42:A:LEU:HD13	1:42:A:LEU:HB3	2	0.33	0.13	0.33
(1,484)	1:42:B:LEU:HD11	1:42:B:LEU:HB3	2	0.33	0.13	0.33
(1,484)	1:42:B:LEU:HD13	1:42:B:LEU:HB3	2	0.33	0.13	0.33
(1,2869)	1:14:A:SER:H	1:16:A:PHE:HB3	2	0.32	0.12	0.32
(1,2870)	1:14:B:SER:H	1:16:B:PHE:HB3	2	0.32	0.12	0.32
(1,3125)	1:73:A:GLN:HE22	1:73:A:GLN:HG2	2	0.29	0.01	0.29
(1,1624)	1:41:B:GLU:HA	1:2:A:ALA:HB1	2	0.29	0.18	0.29
(1,1624)	1:41:B:GLU:HA	1:2:A:ALA:HB3	2	0.29	0.18	0.29
(1,3126)	1:73:B:GLN:HE22	1:73:B:GLN:HG2	2	0.29	0.0	0.29
(1,1550)	1:98:B:PRO:HD3	1:101:B:LYS:HG3	2	0.28	0.11	0.28
(1,1550)	1:98:B:PRO:HD3	1:101:B:LYS:HG2	2	0.28	0.11	0.28
(1,3916)	1:99:B:ARG:HD2	1:97:B:GLN:H	2	0.28	0.1	0.28
(1,3916)	1:99:B:ARG:HD3	1:97:B:GLN:H	2	0.28	0.1	0.28
(1,1549)	1:98:A:PRO:HD3	1:101:A:LYS:HG3	2	0.28	0.1	0.28
(1,1549)	1:98:A:PRO:HD3	1:101:A:LYS:HG2	2	0.28	0.1	0.28
(1,3915)	1:99:A:ARG:HD2	1:97:A:GLN:H	2	0.28	0.1	0.28
(1,3915)	1:99:A:ARG:HD3	1:97:A:GLN:H	2	0.28	0.1	0.28
(1,3612)	1:42:B:LEU:HG	1:41:B:GLU:HB3	2	0.26	0.09	0.26
(1,3938)	1:42:B:LEU:HB3	1:6:A:GLU:HB3	2	0.26	0.03	0.26
(1,3611)	1:42:A:LEU:HG	1:41:A:GLU:HB3	2	0.26	0.09	0.26
(1,3937)	1:42:A:LEU:HB3	1:6:B:GLU:HB3	2	0.26	0.03	0.26
(1,4093)	1:77:A:VAL:HG22	1:74:A:GLU:HA	2	0.24	0.05	0.24
(1,4094)	1:77:B:VAL:HG22	1:74:B:GLU:HA	2	0.24	0.05	0.24
(1,4269)	1:8:A:ALA:H	1:9:A:LEU:HD12	2	0.24	0.1	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4269)	1:8:A:ALA:H	1:9:A:LEU:HD11	2	0.24	0.1	0.24
(1,4270)	1:8:B:ALA:H	1:9:B:LEU:HD12	2	0.24	0.1	0.24
(1,4270)	1:8:B:ALA:H	1:9:B:LEU:HD11	2	0.24	0.1	0.24
(1,299)	1:38:A:LEU:HD12	1:45:A:PHE:HB3	2	0.23	0.09	0.23
(1,299)	1:38:A:LEU:HD13	1:45:A:PHE:HB2	2	0.23	0.09	0.23
(1,2829)	1:23:A:GLU:H	1:33:A:GLU:HG2	2	0.22	0.05	0.22
(1,2830)	1:23:B:GLU:H	1:33:B:GLU:HG2	2	0.22	0.05	0.22
(1,252)	1:5:B:LEU:HD12	1:11:A:VAL:HB	2	0.22	0.04	0.22
(1,1094)	1:91:B:GLU:HG3	1:95:B:ASP:HB3	2	0.21	0.09	0.21
(1,251)	1:5:A:LEU:HD12	1:11:B:VAL:HB	2	0.2	0.03	0.2
(1,1093)	1:91:A:GLU:HG3	1:95:A:ASP:HB3	2	0.2	0.08	0.2
(1,1052)	1:88:B:GLU:HG2	1:73:A:GLN:H	2	0.2	0.01	0.2
(1,1051)	1:88:A:GLU:HG2	1:73:B:GLN:H	2	0.2	0.01	0.2
(1,1605)	1:41:A:GLU:HA	1:6:B:GLU:HG3	2	0.2	0.06	0.2
(1,1659)	1:46:A:LEU:HA	1:45:A:PHE:HB2	2	0.2	0.02	0.2
(1,425)	1:5:A:LEU:HD22	1:41:B:GLU:HA	2	0.19	0.08	0.19
(1,425)	1:5:A:LEU:HD21	1:41:B:GLU:HA	2	0.19	0.08	0.19
(1,426)	1:5:B:LEU:HD22	1:41:A:GLU:HA	2	0.19	0.08	0.19
(1,426)	1:5:B:LEU:HD21	1:41:A:GLU:HA	2	0.19	0.08	0.19
(1,1606)	1:41:B:GLU:HA	1:6:A:GLU:HG3	2	0.19	0.07	0.19
(1,1627)	1:41:A:GLU:HA	1:5:B:LEU:HD22	2	0.19	0.08	0.19
(1,1627)	1:41:A:GLU:HA	1:5:B:LEU:HD21	2	0.19	0.08	0.19
(1,1628)	1:41:B:GLU:HA	1:5:A:LEU:HD22	2	0.19	0.08	0.19
(1,1628)	1:41:B:GLU:HA	1:5:A:LEU:HD21	2	0.19	0.08	0.19
(1,1660)	1:46:B:LEU:HA	1:45:B:PHE:HB2	2	0.19	0.02	0.19
(1,3877)	1:31:A:LYS:HE3	1:59:A:MET:HG2	2	0.19	0.0	0.19
(1,545)	1:99:A:ARG:HG3	1:94:A:PRO:HA	2	0.18	0.04	0.18
(1,545)	1:99:A:ARG:HG2	1:94:A:PRO:HA	2	0.18	0.04	0.18
(1,967)	1:97:A:GLN:HG3	1:94:A:PRO:HA	2	0.18	0.02	0.18
(1,968)	1:97:B:GLN:HG3	1:94:B:PRO:HA	2	0.18	0.02	0.18
(1,3878)	1:31:B:LYS:HE3	1:59:B:MET:HG2	2	0.18	0.01	0.18
(1,546)	1:99:B:ARG:HG3	1:94:B:PRO:HA	2	0.18	0.04	0.18
(1,546)	1:99:B:ARG:HG2	1:94:B:PRO:HA	2	0.18	0.04	0.18
(1,3555)	1:56:A:GLN:HB2	1:55:A:PHE:HB3	2	0.18	0.03	0.18
(1,3556)	1:56:B:GLN:HB2	1:55:B:PHE:HB3	2	0.18	0.03	0.18
(1,3702)	1:56:B:GLN:HG3	1:57:B:LYS:HB2	2	0.18	0.01	0.18
(1,3702)	1:73:B:GLN:HG3	1:88:A:GLU:HB2	2	0.18	0.01	0.18
(1,3701)	1:56:A:GLN:HG3	1:57:A:LYS:HB2	2	0.18	0.0	0.18
(1,3701)	1:73:A:GLN:HG3	1:88:B:GLU:HB2	2	0.18	0.0	0.18
(1,2179)	1:83:A:ALA:H	1:85:A:MET:HB3	2	0.17	0.03	0.17
(1,2180)	1:83:B:ALA:H	1:85:B:MET:HB3	2	0.17	0.03	0.17
(1,4129)	1:74:A:GLU:HA	1:70:A:VAL:HA	2	0.17	0.03	0.17

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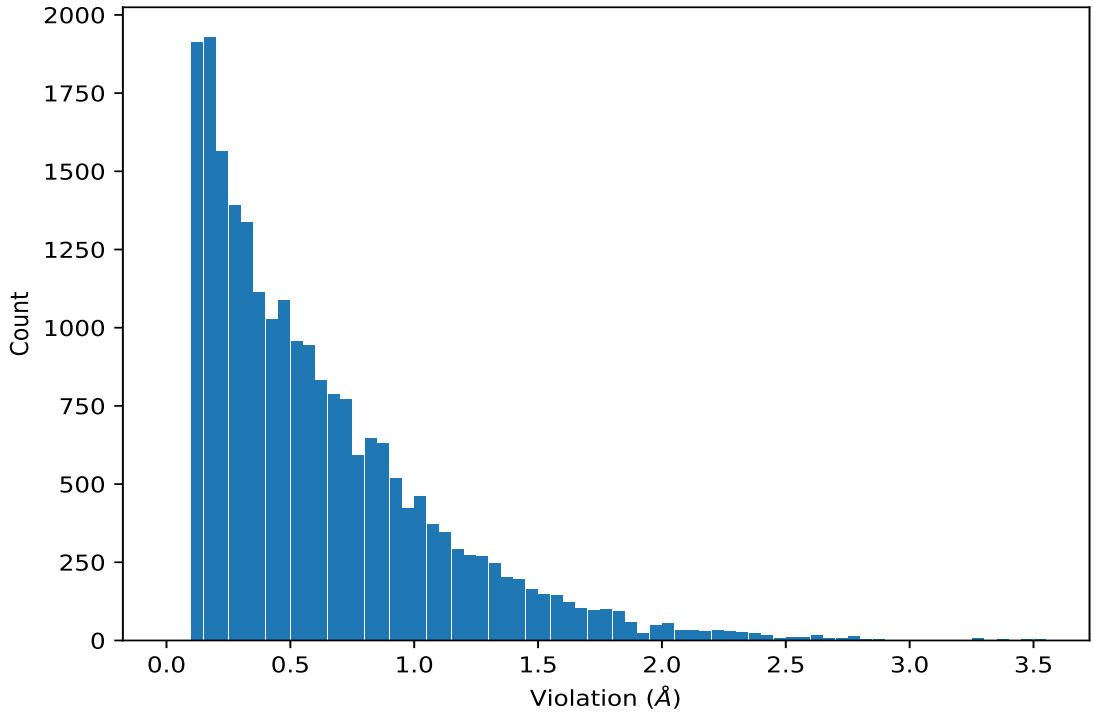
Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,123)	1:74:A:GLU:HA	1:70:A:VAL:HA	2	0.17	0.03	0.17
(1,2307)	1:45:A:PHE:H	1:82:A:ILE:HD11	2	0.16	0.06	0.16
(1,2307)	1:45:A:PHE:H	1:82:A:ILE:HD13	2	0.16	0.06	0.16
(1,4130)	1:74:B:GLU:HA	1:70:B:VAL:HA	2	0.16	0.04	0.16
(2,124)	1:74:B:GLU:HA	1:70:B:VAL:HA	2	0.16	0.04	0.16
(1,1105)	1:82:A:ILE:HB	1:86:A:SER:HB3	2	0.16	0.04	0.16
(1,1106)	1:82:B:ILE:HB	1:86:B:SER:HB3	2	0.16	0.04	0.16
(2,253)	1:23:A:GLU:H	1:33:A:GLU:H	2	0.16	0.02	0.16
(2,254)	1:23:B:GLU:H	1:33:B:GLU:H	2	0.16	0.02	0.16
(1,2308)	1:45:B:PHE:H	1:82:B:ILE:HD11	2	0.16	0.05	0.16
(1,2308)	1:45:B:PHE:H	1:82:B:ILE:HD13	2	0.16	0.05	0.16
(1,3066)	1:60:B:SER:H	1:66:B:ARG:HD2	2	0.16	0.03	0.16
(1,4588)	1:64:B:SER:H	1:63:B:ASP:H	2	0.16	0.03	0.16
(1,247)	1:5:A:LEU:HD12	1:12:B:MET:H	2	0.16	0.02	0.16
(1,3065)	1:60:A:SER:H	1:66:A:ARG:HD2	2	0.16	0.04	0.16
(1,4587)	1:64:A:SER:H	1:63:A:ASP:H	2	0.16	0.02	0.16
(1,541)	1:66:A:ARG:HG2	1:65:A:ASN:HA	2	0.15	0.03	0.15
(1,542)	1:66:B:ARG:HG2	1:65:B:ASN:HA	2	0.15	0.03	0.15
(1,248)	1:5:B:LEU:HD12	1:12:A:MET:H	2	0.15	0.02	0.15
(1,1661)	1:27:A:PHE:HA	1:20:A:SER:HB3	2	0.14	0.03	0.14
(1,1662)	1:27:B:PHE:HA	1:20:B:SER:HB3	2	0.14	0.03	0.14
(1,3223)	1:36:A:GLU:H	1:40:A:ARG:HD2	2	0.13	0.02	0.13
(1,3223)	1:36:A:GLU:H	1:40:A:ARG:HD3	2	0.13	0.02	0.13
(1,3224)	1:36:B:GLU:H	1:40:B:ARG:HD2	2	0.13	0.02	0.13
(1,3224)	1:36:B:GLU:H	1:40:B:ARG:HD3	2	0.13	0.02	0.13
(3,53)	1:59:A:MET:N	1:55:A:PHE:O	2	0.13	0.02	0.13
(3,145)	1:59:B:MET:N	1:55:B:PHE:O	2	0.13	0.02	0.13
(1,671)	1:97:A:GLN:HB2	1:99:A:ARG:HG3	2	0.12	0.01	0.12
(1,672)	1:97:B:GLN:HB2	1:99:B:ARG:HG3	2	0.12	0.01	0.12
(1,883)	1:18:A:LYS:HB3	1:15:A:THR:H	2	0.12	0.02	0.12
(1,2795)	1:69:A:GLU:H	1:69:A:GLU:HG3	2	0.12	0.01	0.12
(1,2796)	1:69:B:GLU:H	1:69:B:GLU:HG3	2	0.12	0.01	0.12
(1,4036)	1:48:B:LYS:HA	1:46:B:LEU:HA	2	0.11	0.01	0.11
(2,185)	1:64:A:SER:H	1:74:A:GLU:H	2	0.11	0.0	0.11
(3,21)	1:17:A:HIS:N	1:13:A:VAL:O	2	0.11	0.0	0.11
(3,113)	1:17:B:HIS:N	1:13:B:VAL:O	2	0.11	0.0	0.11
(1,3621)	1:45:A:PHE:H	1:43:A:PRO:HB3	2	0.11	0.0	0.11
(2,186)	1:64:B:SER:H	1:74:B:GLU:H	2	0.11	0.0	0.11
(1,961)	1:59:A:MET:HG2	1:59:A:MET: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)
(1,1308)	1:9:B:LEU:HB2	1:9:A:LEU:HB2	1	3.52
(1,1307)	1:9:A:LEU:HB2	1:9:B:LEU:HB2	1	3.52
(1,1308)	1:9:B:LEU:HB2	1:9:A:LEU:HB2	7	3.51
(1,1307)	1:9:A:LEU:HB2	1:9:B:LEU:HB2	7	3.51
(1,1308)	1:9:B:LEU:HB2	1:9:A:LEU:HB2	3	3.49
(1,1307)	1:9:A:LEU:HB2	1:9:B:LEU:HB2	3	3.49
(1,1308)	1:9:B:LEU:HB2	1:9:A:LEU:HB2	13	3.46
(1,1307)	1:9:A:LEU:HB2	1:9:B:LEU:HB2	13	3.46
(1,1308)	1:9:B:LEU:HB2	1:9:A:LEU:HB2	14	3.45
(1,1307)	1:9:A:LEU:HB2	1:9:B:LEU:HB2	14	3.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1308)	1:9:B:LEU:HB2	1:9:A:LEU:HB2	10	3.39
(1,1307)	1:9:A:LEU:HB2	1:9:B:LEU:HB2	10	3.39
(1,1308)	1:9:B:LEU:HB2	1:9:A:LEU:HB2	6	3.37
(1,1307)	1:9:A:LEU:HB2	1:9:B:LEU:HB2	6	3.37
(1,1308)	1:9:B:LEU:HB2	1:9:A:LEU:HB2	8	3.36
(1,1307)	1:9:A:LEU:HB2	1:9:B:LEU:HB2	8	3.36
(1,1308)	1:9:B:LEU:HB2	1:9:A:LEU:HB2	5	3.29
(1,1308)	1:9:B:LEU:HB2	1:9:A:LEU:HB2	9	3.29
(1,1307)	1:9:A:LEU:HB2	1:9:B:LEU:HB2	5	3.29
(1,1307)	1:9:A:LEU:HB2	1:9:B:LEU:HB2	9	3.29
(1,1308)	1:9:B:LEU:HB2	1:9:A:LEU:HB2	12	3.28
(1,1307)	1:9:A:LEU:HB2	1:9:B:LEU:HB2	12	3.28
(1,1308)	1:9:B:LEU:HB2	1:9:A:LEU:HB2	17	3.26
(1,1307)	1:9:A:LEU:HB2	1:9:B:LEU:HB2	17	3.26
(1,1308)	1:9:B:LEU:HB2	1:9:A:LEU:HB2	11	3.21
(1,1307)	1:9:A:LEU:HB2	1:9:B:LEU:HB2	11	3.21
(1,1308)	1:9:B:LEU:HB2	1:9:A:LEU:HB2	15	3.15
(1,1307)	1:9:A:LEU:HB2	1:9:B:LEU:HB2	15	3.15
(1,1308)	1:9:B:LEU:HB2	1:9:A:LEU:HB2	18	3.04
(1,1307)	1:9:A:LEU:HB2	1:9:B:LEU:HB2	18	3.04
(1,1308)	1:9:B:LEU:HB2	1:9:A:LEU:HB2	20	2.99
(1,1307)	1:9:A:LEU:HB2	1:9:B:LEU:HB2	20	2.99
(1,3890)	1:7:B:LYS:HE3	1:38:A:LEU:HD13	14	2.89
(1,3889)	1:7:A:LYS:HE3	1:38:B:LEU:HD13	14	2.89
(1,4344)	1:27:B:PHE:H	1:37:B:LEU:HD12	12	2.87
(1,4343)	1:27:A:PHE:H	1:37:A:LEU:HD12	12	2.87
(1,1308)	1:9:B:LEU:HB2	1:9:A:LEU:HB2	16	2.86
(1,1307)	1:9:A:LEU:HB2	1:9:B:LEU:HB2	16	2.86
(1,4344)	1:27:B:PHE:H	1:37:B:LEU:HD11	10	2.84
(1,4343)	1:27:A:PHE:H	1:37:A:LEU:HD11	10	2.84
(1,4344)	1:27:B:PHE:H	1:37:B:LEU:HD11	19	2.81
(1,4343)	1:27:A:PHE:H	1:37:A:LEU:HD11	19	2.8
(1,1308)	1:9:B:LEU:HB2	1:9:A:LEU:HB2	2	2.8
(1,1307)	1:9:A:LEU:HB2	1:9:B:LEU:HB2	2	2.8
(1,3325)	1:8:A:ALA:HB3	1:79:B:LEU:HD11	17	2.79
(1,4343)	1:27:A:PHE:H	1:37:A:LEU:HD12	2	2.78
(1,4344)	1:27:B:PHE:H	1:37:B:LEU:HD12	2	2.77
(1,3326)	1:8:B:ALA:HB3	1:79:A:LEU:HD11	17	2.77
(1,4344)	1:27:B:PHE:H	1:37:B:LEU:HD12	8	2.76
(1,4343)	1:27:A:PHE:H	1:37:A:LEU:HD12	8	2.76
(1,4344)	1:27:B:PHE:H	1:37:B:LEU:HD12	9	2.75
(1,4343)	1:27:A:PHE:H	1:37:A:LEU:HD12	9	2.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3326)	1:8:B:ALA:HB2	1:79:A:LEU:HD11	1	2.75
(1,3326)	1:8:B:ALA:HB3	1:79:A:LEU:HD12	4	2.75
(1,3326)	1:8:B:ALA:HB2	1:79:A:LEU:HD13	5	2.75
(1,3325)	1:8:A:ALA:HB2	1:79:B:LEU:HD11	1	2.75
(1,3325)	1:8:A:ALA:HB2	1:79:B:LEU:HD13	5	2.75
(1,3325)	1:8:A:ALA:HB3	1:79:B:LEU:HD12	4	2.74
(1,4344)	1:27:B:PHE:H	1:37:B:LEU:HD13	15	2.73
(1,4343)	1:27:A:PHE:H	1:37:A:LEU:HD13	15	2.73
(1,3325)	1:8:A:ALA:HB1	1:79:B:LEU:HD11	19	2.73
(1,3326)	1:8:B:ALA:HB1	1:79:A:LEU:HD11	19	2.72
(1,4344)	1:27:B:PHE:H	1:37:B:LEU:HD11	16	2.71
(1,4344)	1:27:B:PHE:H	1:37:B:LEU:HD12	18	2.71
(1,4343)	1:27:A:PHE:H	1:37:A:LEU:HD11	16	2.71
(1,4343)	1:27:A:PHE:H	1:37:A:LEU:HD12	18	2.71
(1,3325)	1:8:A:ALA:HB1	1:79:B:LEU:HD11	14	2.69
(1,3326)	1:8:B:ALA:HB1	1:79:A:LEU:HD11	14	2.68
(1,1436)	1:99:B:ARG:HD2	1:98:B:PRO:HA	16	2.68
(1,1435)	1:99:A:ARG:HD2	1:98:A:PRO:HA	16	2.68
(1,4344)	1:27:B:PHE:H	1:37:B:LEU:HD13	3	2.65
(1,4344)	1:27:B:PHE:H	1:37:B:LEU:HD11	17	2.65
(1,4343)	1:27:A:PHE:H	1:37:A:LEU:HD11	17	2.65
(1,4344)	1:27:B:PHE:H	1:37:B:LEU:HD13	13	2.64
(1,4343)	1:27:A:PHE:H	1:37:A:LEU:HD13	3	2.64
(1,4343)	1:27:A:PHE:H	1:37:A:LEU:HD13	13	2.64
(1,1436)	1:99:B:ARG:HD2	1:98:B:PRO:HA	7	2.64
(1,1435)	1:99:A:ARG:HD2	1:98:A:PRO:HA	7	2.64
(2,122)	1:101:B:LYS:HA	1:98:B:PRO:HD2	15	2.63
(2,121)	1:101:A:LYS:HA	1:98:A:PRO:HD2	15	2.63
(1,3326)	1:8:B:ALA:HB1	1:79:A:LEU:HD13	8	2.63
(1,3325)	1:8:A:ALA:HB1	1:79:B:LEU:HD13	8	2.63
(1,4344)	1:27:B:PHE:H	1:37:B:LEU:HD13	11	2.61
(1,4343)	1:27:A:PHE:H	1:37:A:LEU:HD13	11	2.61
(1,3325)	1:8:A:ALA:HB3	1:79:B:LEU:HD13	6	2.61
(1,1436)	1:99:B:ARG:HD3	1:98:B:PRO:HA	19	2.61
(1,1435)	1:99:A:ARG:HD3	1:98:A:PRO:HA	19	2.61
(1,3889)	1:7:A:LYS:HE2	1:38:B:LEU:HD12	8	2.6
(1,3325)	1:8:A:ALA:HB2	1:79:B:LEU:HD13	15	2.6
(1,3326)	1:8:B:ALA:HB3	1:79:A:LEU:HD13	6	2.59
(1,3326)	1:8:B:ALA:HB3	1:79:A:LEU:HD12	11	2.59
(1,3890)	1:7:B:LYS:HE2	1:38:A:LEU:HD12	8	2.58
(1,3326)	1:8:B:ALA:HB2	1:79:A:LEU:HD13	15	2.58
(1,3325)	1:8:A:ALA:HB3	1:79:B:LEU:HD12	11	2.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3325)	1:8:A:ALA:HB2	1:79:B:LEU:HD13	16	2.58
(1,3326)	1:8:B:ALA:HB2	1:79:A:LEU:HD13	16	2.57
(1,3326)	1:8:B:ALA:HB1	1:79:A:LEU:HD13	9	2.56
(1,3325)	1:8:A:ALA:HB1	1:79:B:LEU:HD13	9	2.56
(1,3628)	1:59:B:MET:HB3	1:55:B:PHE:HB3	19	2.55
(1,3627)	1:59:A:MET:HB3	1:55:A:PHE:HB3	19	2.55
(1,4344)	1:27:B:PHE:H	1:37:B:LEU:HD13	7	2.53
(1,4343)	1:27:A:PHE:H	1:37:A:LEU:HD13	7	2.53
(1,3744)	1:36:B:GLU:HG3	1:37:B:LEU:HD13	13	2.53
(1,3743)	1:36:A:GLU:HG3	1:37:A:LEU:HD13	13	2.53
(1,4344)	1:27:B:PHE:H	1:37:B:LEU:HD11	1	2.51
(1,4343)	1:27:A:PHE:H	1:37:A:LEU:HD11	1	2.51
(1,3890)	1:48:B:LYS:HE2	1:46:B:LEU:HD23	13	2.51
(1,3889)	1:48:A:LYS:HE2	1:46:A:LEU:HD23	13	2.51
(1,3326)	1:8:B:ALA:HB1	1:79:A:LEU:HD11	18	2.51
(1,3325)	1:8:A:ALA:HB1	1:79:B:LEU:HD11	18	2.51
(1,1308)	1:9:B:LEU:HB2	1:9:A:LEU:HB2	19	2.51
(1,1307)	1:9:A:LEU:HB2	1:9:B:LEU:HB2	19	2.51
(1,3326)	1:8:B:ALA:HB2	1:79:A:LEU:HD11	10	2.48
(1,3325)	1:8:A:ALA:HB2	1:79:B:LEU:HD11	10	2.48
(1,4344)	1:27:B:PHE:H	1:37:B:LEU:HD11	5	2.47
(1,4343)	1:27:A:PHE:H	1:37:A:LEU:HD11	5	2.47
(1,3684)	1:85:B:MET:HB3	1:82:B:ILE:HD11	8	2.47
(1,3683)	1:85:A:MET:HB3	1:82:A:ILE:HD11	8	2.47
(1,3346)	1:77:B:VAL:HG12	1:82:B:ILE:HG12	5	2.45
(1,3345)	1:77:A:VAL:HG12	1:82:A:ILE:HG12	5	2.45
(1,3326)	1:8:B:ALA:HB2	1:79:A:LEU:HD13	12	2.45
(1,3628)	1:59:B:MET:HB3	1:55:B:PHE:HB3	18	2.44
(1,3627)	1:59:A:MET:HB3	1:55:A:PHE:HB3	18	2.44
(1,1308)	1:9:B:LEU:HB2	1:9:A:LEU:HB2	4	2.44
(1,1307)	1:9:A:LEU:HB2	1:9:B:LEU:HB2	4	2.44
(1,3684)	1:85:B:MET:HB3	1:82:B:ILE:HD11	19	2.43
(1,3683)	1:85:A:MET:HB3	1:82:A:ILE:HD11	19	2.43
(1,3345)	1:77:A:VAL:HG11	1:82:A:ILE:HG12	14	2.43
(1,3326)	1:8:B:ALA:HB1	1:79:A:LEU:HD12	2	2.43
(1,3325)	1:8:A:ALA:HB1	1:79:B:LEU:HD12	2	2.43
(1,3325)	1:8:A:ALA:HB2	1:79:B:LEU:HD13	12	2.43
(1,3684)	1:85:B:MET:HB3	1:82:B:ILE:HD12	10	2.42
(1,3683)	1:85:A:MET:HB3	1:82:A:ILE:HD12	10	2.42
(1,3346)	1:77:B:VAL:HG13	1:79:B:LEU:HD23	8	2.42
(1,3346)	1:77:B:VAL:HG11	1:82:B:ILE:HG12	14	2.42
(1,3345)	1:77:A:VAL:HG13	1:79:A:LEU:HD23	8	2.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3744)	1:36:B:GLU:HG3	1:37:B:LEU:HD13	7	2.4
(1,3325)	1:8:A:ALA:HB2	1:79:B:LEU:HD13	20	2.4
(1,3743)	1:36:A:GLU:HG3	1:37:A:LEU:HD13	7	2.39
(2,122)	1:101:B:LYS:HA	1:98:B:PRO:HD2	14	2.38
(2,121)	1:101:A:LYS:HA	1:98:A:PRO:HD2	14	2.38
(1,4344)	1:27:B:PHE:H	1:37:B:LEU:HD13	4	2.38
(1,4343)	1:27:A:PHE:H	1:37:A:LEU:HD12	6	2.38
(1,3346)	1:77:B:VAL:HG13	1:79:B:LEU:HD22	17	2.38
(1,3326)	1:8:B:ALA:HB2	1:79:A:LEU:HD13	20	2.38
(1,4344)	1:27:B:PHE:H	1:37:B:LEU:HD12	6	2.37
(1,4343)	1:27:A:PHE:H	1:37:A:LEU:HD13	4	2.37
(1,3744)	1:36:B:GLU:HG3	1:37:B:LEU:HD12	12	2.37
(1,3743)	1:36:A:GLU:HG3	1:37:A:LEU:HD12	12	2.37
(1,3345)	1:77:A:VAL:HG13	1:79:A:LEU:HD22	17	2.37
(1,3325)	1:8:A:ALA:HB2	1:79:B:LEU:HD11	13	2.37
(2,122)	1:101:B:LYS:HA	1:98:B:PRO:HD2	17	2.36
(2,121)	1:101:A:LYS:HA	1:98:A:PRO:HD2	17	2.36
(1,3628)	1:59:B:MET:HB3	1:55:B:PHE:HB3	13	2.36
(1,3627)	1:59:A:MET:HB3	1:55:A:PHE:HB3	13	2.36
(1,3326)	1:8:B:ALA:HB2	1:79:A:LEU:HD11	13	2.36
(1,3890)	1:7:B:LYS:HE3	1:38:A:LEU:HD11	10	2.35
(1,3889)	1:7:A:LYS:HE3	1:38:B:LEU:HD11	10	2.35
(1,3346)	1:77:B:VAL:HG13	1:79:B:LEU:HD21	2	2.35
(1,3346)	1:77:B:VAL:HG11	1:79:B:LEU:HD22	19	2.35
(1,3345)	1:77:A:VAL:HG13	1:79:A:LEU:HD21	2	2.35
(1,3345)	1:77:A:VAL:HG11	1:79:A:LEU:HD22	19	2.35
(1,3325)	1:8:A:ALA:HB2	1:79:B:LEU:HD12	7	2.35
(1,3744)	1:36:B:GLU:HG3	1:37:B:LEU:HD11	19	2.34
(1,3730)	1:69:B:GLU:HG2	1:29:B:LEU:HD12	19	2.34
(1,3326)	1:8:B:ALA:HB2	1:79:A:LEU:HD12	7	2.34
(2,121)	1:101:A:LYS:HA	1:98:A:PRO:HD2	11	2.33
(1,3743)	1:36:A:GLU:HG3	1:37:A:LEU:HD11	19	2.33
(1,3729)	1:69:A:GLU:HG2	1:29:A:LEU:HD12	19	2.33
(1,3744)	1:36:B:GLU:HG3	1:37:B:LEU:HD12	9	2.32
(1,3743)	1:36:A:GLU:HG3	1:37:A:LEU:HD12	9	2.32
(1,3684)	1:85:B:MET:HB3	1:82:B:ILE:HD12	6	2.32
(1,3683)	1:85:A:MET:HB3	1:82:A:ILE:HD12	6	2.32
(1,3598)	1:7:B:LYS:HD2	1:9:B:LEU:HD11	15	2.32
(1,3597)	1:7:A:LYS:HD2	1:9:A:LEU:HD11	15	2.32
(1,3346)	1:77:B:VAL:HG11	1:79:B:LEU:HD21	1	2.32
(1,3345)	1:77:A:VAL:HG11	1:79:A:LEU:HD21	1	2.32
(2,122)	1:101:B:LYS:HA	1:98:B:PRO:HD2	11	2.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3891)	1:7:A:LYS:HE2	1:42:B:LEU:HD11	8	2.31
(1,4344)	1:27:B:PHE:H	1:37:B:LEU:HD11	14	2.3
(1,4344)	1:27:B:PHE:H	1:37:B:LEU:HD12	20	2.3
(1,4343)	1:27:A:PHE:H	1:37:A:LEU:HD11	14	2.3
(1,4343)	1:27:A:PHE:H	1:37:A:LEU:HD12	20	2.3
(1,3892)	1:7:B:LYS:HE2	1:42:A:LEU:HD11	8	2.3
(1,3892)	1:31:B:LYS:HE3	1:34:B:LEU:HD11	13	2.3
(1,3891)	1:31:A:LYS:HE3	1:34:A:LEU:HD11	13	2.3
(1,3346)	1:77:B:VAL:HG13	1:79:B:LEU:HD23	6	2.3
(1,3346)	1:77:B:VAL:HG11	1:79:B:LEU:HD22	16	2.3
(1,3345)	1:77:A:VAL:HG13	1:79:A:LEU:HD23	6	2.3
(1,3345)	1:77:A:VAL:HG11	1:79:A:LEU:HD22	16	2.3
(1,3744)	1:36:B:GLU:HG3	1:37:B:LEU:HD13	4	2.29
(1,3743)	1:36:A:GLU:HG3	1:37:A:LEU:HD13	4	2.29
(1,3744)	1:36:B:GLU:HG3	1:34:B:LEU:HD21	2	2.28
(1,3628)	1:59:B:MET:HB3	1:55:B:PHE:HB3	14	2.28
(1,3627)	1:59:A:MET:HB3	1:55:A:PHE:HB3	14	2.28
(1,3346)	1:77:B:VAL:HG11	1:79:B:LEU:HD22	18	2.28
(1,3345)	1:77:A:VAL:HG11	1:79:A:LEU:HD22	18	2.28
(1,3743)	1:36:A:GLU:HG3	1:34:A:LEU:HD21	2	2.27
(1,3730)	1:69:B:GLU:HG2	1:29:B:LEU:HD12	7	2.27
(1,3730)	1:69:B:GLU:HG2	1:29:B:LEU:HD13	14	2.27
(1,3729)	1:69:A:GLU:HG2	1:29:A:LEU:HD12	7	2.27
(1,3729)	1:69:A:GLU:HG2	1:29:A:LEU:HD13	14	2.27
(1,3892)	1:7:B:LYS:HE2	1:42:A:LEU:HD13	1	2.26
(1,3891)	1:7:A:LYS:HE2	1:42:B:LEU:HD13	1	2.26
(1,3890)	1:7:B:LYS:HE3	1:38:A:LEU:HD11	11	2.26
(1,3889)	1:7:A:LYS:HE3	1:38:B:LEU:HD11	11	2.26
(1,3743)	1:36:A:GLU:HG3	1:37:A:LEU:HD13	3	2.26
(1,3346)	1:77:B:VAL:HG13	1:79:B:LEU:HD23	20	2.26
(1,3345)	1:77:A:VAL:HG13	1:79:A:LEU:HD23	20	2.26
(1,3890)	1:7:B:LYS:HE3	1:38:A:LEU:HD12	16	2.25
(1,3744)	1:36:B:GLU:HG3	1:37:B:LEU:HD13	3	2.25
(1,3744)	1:36:B:GLU:HG3	1:37:B:LEU:HD11	16	2.25
(1,3743)	1:36:A:GLU:HG3	1:37:A:LEU:HD11	16	2.25
(1,3743)	1:36:A:GLU:HG3	1:37:A:LEU:HD12	20	2.25
(1,3730)	1:69:B:GLU:HG2	1:29:B:LEU:HD11	8	2.25
(1,3730)	1:69:B:GLU:HG2	1:29:B:LEU:HD11	17	2.25
(1,3729)	1:69:A:GLU:HG2	1:29:A:LEU:HD11	17	2.25
(1,3628)	1:59:B:MET:HB3	1:55:B:PHE:HB3	12	2.25
(1,3627)	1:59:A:MET:HB3	1:55:A:PHE:HB3	12	2.25
(1,3744)	1:36:B:GLU:HG3	1:37:B:LEU:HD12	18	2.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3744)	1:36:B:GLU:HG3	1:37:B:LEU:HD12	20	2.24
(1,3743)	1:36:A:GLU:HG3	1:37:A:LEU:HD12	18	2.24
(1,3729)	1:69:A:GLU:HG2	1:29:A:LEU:HD11	8	2.24
(1,3684)	1:85:B:MET:HB3	1:82:B:ILE:HD13	15	2.24
(1,3683)	1:85:A:MET:HB3	1:82:A:ILE:HD13	15	2.24
(1,3325)	1:8:A:ALA:HB3	1:79:B:LEU:HD11	3	2.24
(1,3889)	1:7:A:LYS:HE3	1:38:B:LEU:HD12	16	2.23
(1,3683)	1:12:A:MET:HB2	1:82:A:ILE:HD12	14	2.23
(1,3408)	1:13:B:VAL:HG22	1:79:A:LEU:HB3	10	2.23
(1,3407)	1:13:A:VAL:HG22	1:79:B:LEU:HB3	10	2.23
(1,3326)	1:8:B:ALA:HB3	1:79:A:LEU:HD11	3	2.23
(1,4283)	1:3:A:SER:H	1:9:A:LEU:HD21	12	2.22
(1,3744)	1:36:B:GLU:HG3	1:37:B:LEU:HD11	10	2.22
(1,3743)	1:36:A:GLU:HG3	1:37:A:LEU:HD11	10	2.22
(1,3743)	1:36:A:GLU:HG3	1:37:A:LEU:HD13	15	2.22
(1,3729)	1:69:A:GLU:HG2	1:29:A:LEU:HD12	18	2.22
(1,3684)	1:12:B:MET:HB2	1:82:B:ILE:HD12	14	2.22
(1,4284)	1:3:B:SER:H	1:9:B:LEU:HD21	12	2.21
(1,3744)	1:36:B:GLU:HG3	1:37:B:LEU:HD13	15	2.21
(1,3730)	1:69:B:GLU:HG2	1:29:B:LEU:HD12	2	2.21
(1,3730)	1:69:B:GLU:HG2	1:29:B:LEU:HD12	18	2.21
(1,3346)	1:77:B:VAL:HG13	1:79:B:LEU:HD22	12	2.21
(1,3346)	1:77:B:VAL:HG13	1:79:B:LEU:HD22	15	2.21
(1,3345)	1:77:A:VAL:HG13	1:79:A:LEU:HD22	12	2.21
(1,3345)	1:77:A:VAL:HG13	1:79:A:LEU:HD22	15	2.21
(1,3890)	1:7:B:LYS:HE3	1:38:A:LEU:HD11	12	2.2
(1,3889)	1:7:A:LYS:HE3	1:38:B:LEU:HD11	12	2.2
(1,3730)	1:69:B:GLU:HG2	1:29:B:LEU:HD12	9	2.2
(1,3729)	1:69:A:GLU:HG2	1:29:A:LEU:HD12	2	2.2
(1,3729)	1:69:A:GLU:HG2	1:29:A:LEU:HD12	9	2.2
(1,3597)	1:96:A:LYS:HD2	1:13:B:VAL:HG12	12	2.2
(1,3744)	1:36:B:GLU:HG3	1:37:B:LEU:HD11	14	2.19
(1,3730)	1:69:B:GLU:HG2	1:29:B:LEU:HD11	20	2.19
(1,3729)	1:69:A:GLU:HG2	1:29:A:LEU:HD11	20	2.19
(1,3598)	1:96:B:LYS:HD2	1:13:A:VAL:HG12	12	2.19
(1,3408)	1:13:B:VAL:HG21	1:79:A:LEU:HB3	6	2.19
(1,4283)	1:3:A:SER:H	1:9:A:LEU:HD21	13	2.18
(1,3743)	1:36:A:GLU:HG3	1:37:A:LEU:HD11	14	2.18
(1,3407)	1:13:A:VAL:HG21	1:79:B:LEU:HB3	6	2.18
(1,3346)	1:77:B:VAL:HG13	1:79:B:LEU:HD21	9	2.18
(1,3346)	1:77:B:VAL:HG11	1:79:B:LEU:HD22	11	2.18
(1,3345)	1:77:A:VAL:HG13	1:79:A:LEU:HD21	9	2.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3345)	1:77:A:VAL:HG11	1:79:A:LEU:HD22	11	2.18
(1,908)	1:94:B:PRO:HB3	1:99:B:ARG:HG2	4	2.18
(1,907)	1:94:A:PRO:HB3	1:99:A:ARG:HG2	4	2.18
(1,4284)	1:3:B:SER:H	1:9:B:LEU:HD21	13	2.17
(1,3422)	1:5:B:LEU:HD12	1:79:A:LEU:HD12	2	2.17
(1,3421)	1:5:A:LEU:HD12	1:79:B:LEU:HD12	2	2.17
(1,3421)	1:5:A:LEU:HD13	1:79:B:LEU:HD13	16	2.17
(1,3422)	1:5:B:LEU:HD12	1:79:A:LEU:HD13	8	2.16
(1,3422)	1:5:B:LEU:HD13	1:79:A:LEU:HD13	16	2.16
(1,3421)	1:5:A:LEU:HD12	1:79:B:LEU:HD13	8	2.16
(1,4620)	1:56:B:GLN:HE22	1:34:B:LEU:HD23	15	2.15
(1,4619)	1:56:A:GLN:HE22	1:34:A:LEU:HD23	15	2.15
(1,3804)	1:16:B:PHE:HB2	1:70:B:VAL:HG12	17	2.15
(1,3803)	1:16:A:PHE:HB2	1:70:A:VAL:HG12	17	2.15
(1,3730)	1:69:B:GLU:HG2	1:29:B:LEU:HD13	3	2.15
(1,3729)	1:69:A:GLU:HG2	1:29:A:LEU:HD13	3	2.15
(1,3684)	1:12:B:MET:HB2	1:82:B:ILE:HD13	20	2.15
(1,3683)	1:12:A:MET:HB2	1:82:A:ILE:HD13	20	2.15
(1,3695)	1:56:A:GLN:HG3	1:55:A:PHE:HB3	19	2.14
(1,3684)	1:12:B:MET:HB2	1:82:B:ILE:HD13	13	2.14
(1,3683)	1:12:A:MET:HB2	1:82:A:ILE:HD13	13	2.14
(1,3408)	1:13:B:VAL:HG23	1:79:B:LEU:HB3	1	2.14
(1,3408)	1:13:B:VAL:HG23	1:79:A:LEU:HB3	18	2.14
(1,3407)	1:13:A:VAL:HG23	1:79:A:LEU:HB3	1	2.14
(1,3345)	1:77:A:VAL:HG13	1:79:A:LEU:HD22	4	2.14
(1,4620)	1:56:B:GLN:HE22	1:34:B:LEU:HD22	2	2.13
(1,3730)	1:69:B:GLU:HG2	1:29:B:LEU:HD13	13	2.13
(1,3730)	1:69:B:GLU:HG2	1:29:B:LEU:HD12	16	2.13
(1,3729)	1:69:A:GLU:HG2	1:29:A:LEU:HD13	13	2.13
(1,3729)	1:69:A:GLU:HG2	1:29:A:LEU:HD12	16	2.13
(1,3696)	1:56:B:GLN:HG3	1:55:B:PHE:HB3	19	2.13
(1,3407)	1:13:A:VAL:HG23	1:79:B:LEU:HB3	18	2.13
(1,3346)	1:77:B:VAL:HG13	1:79:B:LEU:HD22	4	2.13
(1,4619)	1:56:A:GLN:HE22	1:34:A:LEU:HD22	2	2.12
(1,4284)	1:3:B:SER:H	1:9:B:LEU:HD23	3	2.12
(1,4283)	1:3:A:SER:H	1:9:A:LEU:HD23	3	2.12
(1,3730)	1:69:B:GLU:HG2	1:29:B:LEU:HD12	15	2.12
(1,3729)	1:69:A:GLU:HG2	1:29:A:LEU:HD12	15	2.12
(1,3891)	1:31:A:LYS:HE3	1:34:A:LEU:HD11	5	2.11
(1,3421)	1:5:A:LEU:HD12	1:79:B:LEU:HD13	15	2.11
(1,3346)	1:77:B:VAL:HG12	1:79:B:LEU:HD21	13	2.11
(1,3345)	1:77:A:VAL:HG12	1:79:A:LEU:HD21	13	2.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3892)	1:31:B:LYS:HE3	1:34:B:LEU:HD11	5	2.1
(1,3730)	1:69:B:GLU:HG2	1:29:B:LEU:HD11	12	2.1
(1,3729)	1:69:A:GLU:HG2	1:29:A:LEU:HD11	12	2.1
(1,3474)	1:5:B:LEU:HD22	1:43:A:PRO:HD2	2	2.1
(1,3422)	1:5:B:LEU:HD12	1:79:A:LEU:HD13	15	2.1
(1,3408)	1:13:B:VAL:HG21	1:79:A:LEU:HB3	3	2.1
(1,3407)	1:13:A:VAL:HG21	1:79:B:LEU:HB3	3	2.1
(1,3346)	1:77:B:VAL:HG13	1:79:B:LEU:HD22	3	2.1
(1,3345)	1:77:A:VAL:HG13	1:79:A:LEU:HD22	3	2.1
(1,3473)	1:5:A:LEU:HD22	1:43:B:PRO:HD2	2	2.09
(1,3408)	1:13:B:VAL:HG21	1:79:A:LEU:HB3	20	2.09
(1,4284)	1:3:B:SER:H	1:9:B:LEU:HD21	9	2.08
(1,4283)	1:3:A:SER:H	1:37:B:LEU:HD21	14	2.08
(1,3744)	1:36:B:GLU:HG3	1:37:B:LEU:HD13	11	2.08
(1,3743)	1:36:A:GLU:HG3	1:37:A:LEU:HD13	11	2.08
(1,3407)	1:13:A:VAL:HG21	1:79:B:LEU:HB3	20	2.08
(1,4284)	1:3:B:SER:H	1:37:A:LEU:HD21	14	2.07
(1,4283)	1:3:A:SER:H	1:9:A:LEU:HD21	9	2.07
(1,3730)	1:69:B:GLU:HG2	1:29:B:LEU:HD13	6	2.07
(1,3729)	1:69:A:GLU:HG2	1:29:A:LEU:HD13	6	2.07
(1,3422)	1:5:B:LEU:HD13	1:79:A:LEU:HD13	9	2.07
(1,3421)	1:5:A:LEU:HD11	1:79:B:LEU:HD11	19	2.07
(1,3421)	1:5:A:LEU:HD12	1:79:B:LEU:HD13	20	2.07
(1,3408)	1:13:B:VAL:HG21	1:79:A:LEU:HB3	13	2.07
(1,3422)	1:5:B:LEU:HD13	1:79:A:LEU:HD13	5	2.06
(1,3422)	1:5:B:LEU:HD11	1:79:A:LEU:HD11	19	2.06
(1,3422)	1:5:B:LEU:HD12	1:79:A:LEU:HD13	20	2.06
(1,3421)	1:5:A:LEU:HD13	1:79:B:LEU:HD13	9	2.06
(1,3408)	1:13:B:VAL:HG22	1:79:A:LEU:HB3	17	2.06
(1,3407)	1:13:A:VAL:HG21	1:79:B:LEU:HB3	13	2.06
(1,3407)	1:13:A:VAL:HG22	1:79:B:LEU:HB3	17	2.06
(1,908)	1:94:B:PRO:HB3	1:99:B:ARG:HG3	12	2.06
(1,907)	1:94:A:PRO:HB3	1:99:A:ARG:HG3	12	2.06
(1,4284)	1:3:B:SER:H	1:9:B:LEU:HD22	18	2.05
(1,4284)	1:3:B:SER:H	1:9:B:LEU:HD22	20	2.05
(1,4283)	1:3:A:SER:H	1:9:A:LEU:HD22	18	2.05
(1,4283)	1:3:A:SER:H	1:9:A:LEU:HD22	20	2.05
(1,4180)	1:60:B:SER:HB3	1:70:B:VAL:HG21	1	2.05
(1,3730)	1:69:B:GLU:HG2	1:29:B:LEU:HD11	4	2.05
(1,3729)	1:69:A:GLU:HG2	1:29:A:LEU:HD11	4	2.05
(1,3421)	1:5:A:LEU:HD13	1:79:B:LEU:HD13	5	2.05
(1,908)	1:94:B:PRO:HB3	1:99:B:ARG:HG2	7	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,907)	1:94:A:PRO:HB3	1:99:A:ARG:HG2	7	2.05
(1,4179)	1:60:A:SER:HB3	1:70:A:VAL:HG21	1	2.04
(1,3730)	1:69:B:GLU:HG2	1:29:B:LEU:HD11	1	2.04
(1,3729)	1:69:A:GLU:HG2	1:29:A:LEU:HD11	1	2.04
(1,3563)	1:56:A:GLN:HB2	1:35:A:LYS:HG3	18	2.04
(1,3408)	1:13:B:VAL:HG21	1:79:A:LEU:HB3	12	2.04
(1,3407)	1:13:A:VAL:HG21	1:79:B:LEU:HB3	12	2.04
(1,4400)	1:72:B:PHE:H	1:13:B:VAL:HG12	14	2.03
(1,4399)	1:72:A:PHE:H	1:13:A:VAL:HG12	14	2.03
(1,4283)	1:3:A:SER:H	1:9:A:LEU:HD22	16	2.03
(1,4179)	1:60:A:SER:HB3	1:70:A:VAL:HG21	10	2.03
(1,3564)	1:56:B:GLN:HB2	1:35:B:LYS:HG3	18	2.03
(1,3408)	1:13:B:VAL:HG23	1:79:A:LEU:HB3	16	2.03
(1,3402)	1:70:B:VAL:HG22	1:31:B:LYS:HB3	15	2.03
(1,3401)	1:70:A:VAL:HG22	1:31:A:LYS:HB3	15	2.03
(1,516)	1:42:B:LEU:HD12	1:5:A:LEU:HD22	1	2.03
(1,4284)	1:3:B:SER:H	1:9:B:LEU:HD22	16	2.02
(1,4180)	1:60:B:SER:HB3	1:70:B:VAL:HG21	10	2.02
(1,4180)	1:34:B:LEU:HD22	1:60:B:SER:HB3	12	2.02
(1,4179)	1:34:A:LEU:HD22	1:60:A:SER:HB3	12	2.02
(1,3730)	1:69:B:GLU:HG2	1:29:B:LEU:HD12	10	2.02
(1,3730)	1:69:B:GLU:HG2	1:29:B:LEU:HD11	11	2.02
(1,3729)	1:69:A:GLU:HG2	1:29:A:LEU:HD12	10	2.02
(1,3729)	1:69:A:GLU:HG2	1:29:A:LEU:HD11	11	2.02
(1,3626)	1:43:B:PRO:HB3	1:45:B:PHE:HB3	1	2.02
(1,3625)	1:43:A:PRO:HB3	1:45:A:PHE:HB3	1	2.02
(1,3422)	1:5:B:LEU:HD13	1:79:A:LEU:HD12	11	2.02
(1,3422)	1:5:B:LEU:HD12	1:79:A:LEU:HD11	18	2.02
(1,3421)	1:5:A:LEU:HD12	1:79:B:LEU:HD11	18	2.02
(1,3407)	1:13:A:VAL:HG23	1:79:B:LEU:HB3	16	2.02
(1,3374)	1:70:B:VAL:HG12	1:96:A:LYS:HB2	5	2.02
(1,3373)	1:70:A:VAL:HG12	1:96:B:LYS:HB2	5	2.02
(1,515)	1:42:A:LEU:HD12	1:5:B:LEU:HD22	1	2.02
(1,4284)	1:3:B:SER:H	1:37:A:LEU:HD22	11	2.01
(1,4284)	1:3:B:SER:H	1:9:B:LEU:HD23	15	2.01
(1,4283)	1:3:A:SER:H	1:9:A:LEU:HD23	15	2.01
(1,3744)	1:36:B:GLU:HG3	1:37:B:LEU:HD11	17	2.01
(1,3743)	1:36:A:GLU:HG3	1:37:A:LEU:HD11	17	2.01
(1,3408)	1:11:B:VAL:HG21	1:2:A:ALA:HB3	8	2.01
(1,3402)	1:70:B:VAL:HG22	1:33:B:GLU:HB2	11	2.01
(1,3401)	1:70:A:VAL:HG22	1:33:A:GLU:HB2	11	2.01
(1,3342)	1:2:B:ALA:HB3	1:79:A:LEU:HD11	1	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3341)	1:2:A:ALA:HB3	1:79:B:LEU:HD11	1	2.01
(1,3744)	1:36:B:GLU:HG3	1:37:B:LEU:HD11	5	2.0
(1,3743)	1:36:A:GLU:HG3	1:37:A:LEU:HD11	5	2.0
(1,3422)	1:5:B:LEU:HD13	1:79:A:LEU:HD13	12	2.0
(1,3421)	1:5:A:LEU:HD13	1:79:B:LEU:HD12	11	2.0
(1,3408)	1:13:B:VAL:HG22	1:79:A:LEU:HB3	9	2.0
(1,3407)	1:11:A:VAL:HG21	1:2:B:ALA:HB3	8	2.0
(1,3407)	1:13:A:VAL:HG22	1:79:B:LEU:HB3	9	2.0
(1,3336)	1:2:B:ALA:HB1	1:8:A:ALA:HA	5	2.0
(1,3336)	1:2:B:ALA:HB1	1:7:B:LYS:HA	10	2.0
(1,3335)	1:2:A:ALA:HB1	1:8:B:ALA:HA	5	2.0
(1,3335)	1:2:A:ALA:HB1	1:7:A:LYS:HA	10	2.0
(1,936)	1:98:B:PRO:HB3	1:101:B:LYS:HG3	5	2.0
(1,935)	1:98:A:PRO:HB3	1:101:A:LYS:HG3	5	2.0
(1,4284)	1:3:B:SER:H	1:9:B:LEU:HD22	5	1.99
(1,4283)	1:3:A:SER:H	1:9:A:LEU:HD22	5	1.99
(1,4283)	1:3:A:SER:H	1:37:B:LEU:HD22	11	1.99
(1,3598)	1:96:B:LYS:HD2	1:13:A:VAL:HG13	2	1.99
(1,3597)	1:96:A:LYS:HD2	1:13:B:VAL:HG13	2	1.99
(1,3473)	1:5:A:LEU:HD22	1:43:B:PRO:HD2	17	1.99
(1,3421)	1:5:A:LEU:HD13	1:79:B:LEU:HD13	12	1.99
(1,3345)	1:77:A:VAL:HG12	1:79:A:LEU:HD21	10	1.99
(1,3336)	1:2:B:ALA:HB2	1:7:B:LYS:HA	2	1.99
(1,3335)	1:2:A:ALA:HB2	1:7:A:LYS:HA	2	1.99
(1,4278)	1:75:B:TYR:H	1:37:B:LEU:HD13	16	1.98
(1,4277)	1:75:A:TYR:H	1:37:A:LEU:HD13	16	1.98
(1,3665)	1:29:A:LEU:HD11	1:18:A:LYS:HB3	14	1.98
(1,3408)	1:13:B:VAL:HG21	1:79:A:LEU:HB3	11	1.98
(1,3408)	1:13:B:VAL:HG21	1:79:A:LEU:HB3	15	1.98
(1,3407)	1:13:A:VAL:HG21	1:79:B:LEU:HB3	11	1.98
(1,3407)	1:13:A:VAL:HG21	1:79:B:LEU:HB3	15	1.98
(1,3346)	1:77:B:VAL:HG12	1:79:B:LEU:HD21	10	1.98
(1,3336)	1:2:B:ALA:HB3	1:8:A:ALA:HA	1	1.98
(1,3335)	1:2:A:ALA:HB3	1:8:B:ALA:HA	1	1.98
(1,936)	1:98:B:PRO:HB3	1:101:B:LYS:HG3	12	1.98
(1,935)	1:98:A:PRO:HB3	1:101:A:LYS:HG3	12	1.98
(1,908)	1:94:B:PRO:HB3	1:99:B:ARG:HG2	19	1.98
(1,907)	1:94:A:PRO:HB3	1:99:A:ARG:HG2	19	1.98
(1,3695)	1:73:A:GLN:HG3	1:99:B:ARG:HD3	13	1.97
(1,3666)	1:29:B:LEU:HD11	1:18:B:LYS:HB3	14	1.97
(1,3626)	1:43:B:PRO:HB3	1:45:B:PHE:HB3	12	1.97
(1,3626)	1:43:B:PRO:HB3	1:45:B:PHE:HB3	20	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3625)	1:43:A:PRO:HB3	1:45:A:PHE:HB3	20	1.97
(1,3474)	1:5:B:LEU:HD22	1:43:A:PRO:HD2	17	1.97
(1,3696)	1:73:B:GLN:HG3	1:99:A:ARG:HD3	13	1.96
(1,3684)	1:12:B:MET:HB2	1:82:B:ILE:HD12	3	1.96
(1,3683)	1:12:A:MET:HB2	1:82:A:ILE:HD12	3	1.96
(1,3625)	1:43:A:PRO:HB3	1:45:A:PHE:HB3	12	1.96
(1,3356)	1:77:B:VAL:HG12	1:74:B:GLU:HG3	11	1.96
(1,3355)	1:77:A:VAL:HG12	1:74:A:GLU:HG3	11	1.96
(1,3336)	1:2:B:ALA:HB1	1:7:B:LYS:HA	8	1.96
(1,3336)	1:2:B:ALA:HB1	1:8:A:ALA:HA	17	1.96
(1,3335)	1:2:A:ALA:HB1	1:7:A:LYS:HA	8	1.96
(1,3870)	1:51:B:ASP:HB3	1:49:B:ARG:HD2	3	1.95
(1,3869)	1:51:A:ASP:HB3	1:49:A:ARG:HD2	3	1.95
(1,3744)	1:36:B:GLU:HG3	1:37:B:LEU:HD12	8	1.95
(1,3743)	1:36:A:GLU:HG3	1:37:A:LEU:HD12	8	1.95
(1,3408)	1:13:B:VAL:HG22	1:2:A:ALA:HB1	7	1.95
(1,3407)	1:13:A:VAL:HG22	1:2:B:ALA:HB1	7	1.95
(1,3402)	1:70:B:VAL:HG22	1:31:B:LYS:HB3	3	1.95
(1,3402)	1:70:B:VAL:HG23	1:31:B:LYS:HB3	10	1.95
(1,3401)	1:70:A:VAL:HG22	1:31:A:LYS:HB3	3	1.95
(1,3401)	1:70:A:VAL:HG23	1:31:A:LYS:HB3	10	1.95
(1,3422)	1:5:B:LEU:HD12	1:79:A:LEU:HD11	10	1.94
(1,3336)	1:2:B:ALA:HB2	1:7:B:LYS:HA	3	1.94
(1,3335)	1:2:A:ALA:HB2	1:7:A:LYS:HA	3	1.94
(1,3335)	1:2:A:ALA:HB1	1:8:B:ALA:HA	17	1.94
(1,3421)	1:5:A:LEU:HD12	1:79:B:LEU:HD11	10	1.93
(1,4620)	1:56:B:GLN:HE22	1:34:B:LEU:HD22	20	1.92
(1,3342)	1:2:B:ALA:HB2	1:79:A:LEU:HD11	4	1.92
(1,4619)	1:56:A:GLN:HE22	1:34:A:LEU:HD22	20	1.91
(1,3408)	1:13:B:VAL:HG23	1:79:A:LEU:HB3	2	1.91
(1,3407)	1:13:A:VAL:HG23	1:79:B:LEU:HB3	2	1.91
(1,3346)	1:77:B:VAL:HG11	1:79:B:LEU:HD21	7	1.91
(1,3341)	1:2:A:ALA:HB2	1:79:B:LEU:HD11	4	1.91
(1,4180)	1:60:B:SER:HB3	1:70:B:VAL:HG23	15	1.9
(1,4179)	1:60:A:SER:HB3	1:70:A:VAL:HG23	15	1.9
(1,3626)	1:43:B:PRO:HB3	1:45:B:PHE:HB3	18	1.9
(1,3625)	1:43:A:PRO:HB3	1:45:A:PHE:HB3	18	1.9
(1,3474)	1:5:B:LEU:HD23	1:43:A:PRO:HD3	11	1.9
(1,3473)	1:5:A:LEU:HD23	1:43:B:PRO:HD3	11	1.9
(1,3408)	1:13:B:VAL:HG23	1:79:B:LEU:HB3	14	1.9
(1,3407)	1:13:A:VAL:HG23	1:79:A:LEU:HB3	14	1.9
(1,3374)	1:70:B:VAL:HG11	1:96:A:LYS:HB2	14	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3373)	1:70:A:VAL:HG11	1:96:B:LYS:HB2	14	1.9
(1,3345)	1:77:A:VAL:HG11	1:79:A:LEU:HD21	7	1.9
(1,3336)	1:2:B:ALA:HB3	1:7:B:LYS:HA	18	1.9
(1,3335)	1:2:A:ALA:HB3	1:7:A:LYS:HA	18	1.9
(1,4180)	1:34:B:LEU:HD21	1:60:B:SER:HB3	18	1.89
(1,4179)	1:34:A:LEU:HD21	1:60:A:SER:HB3	18	1.89
(1,3744)	1:36:B:GLU:HG3	1:37:B:LEU:HD12	6	1.89
(1,3743)	1:36:A:GLU:HG3	1:37:A:LEU:HD12	6	1.89
(1,3666)	1:29:B:LEU:HD12	1:18:B:LYS:HB3	4	1.89
(1,3665)	1:29:A:LEU:HD12	1:18:A:LYS:HB3	4	1.89
(1,4284)	1:3:B:SER:H	1:9:B:LEU:HD23	4	1.88
(1,4283)	1:3:A:SER:H	1:9:A:LEU:HD23	4	1.88
(1,3402)	1:70:B:VAL:HG23	1:33:B:GLU:HB2	1	1.88
(1,3402)	1:70:B:VAL:HG21	1:33:B:GLU:HB2	18	1.88
(1,3401)	1:70:A:VAL:HG23	1:33:A:GLU:HB2	1	1.88
(1,3401)	1:70:A:VAL:HG21	1:33:A:GLU:HB2	18	1.88
(1,3374)	1:70:B:VAL:HG11	1:33:B:GLU:HB2	13	1.88
(2,18)	1:66:B:ARG:HB2	1:63:B:ASP:HB2	17	1.87
(2,17)	1:66:A:ARG:HB2	1:63:A:ASP:HB2	17	1.87
(1,3563)	1:56:A:GLN:HB2	1:35:A:LYS:HG3	19	1.87
(1,3373)	1:70:A:VAL:HG11	1:33:A:GLU:HB2	13	1.87
(1,3356)	1:77:B:VAL:HG13	1:74:B:GLU:HG3	5	1.87
(1,3356)	1:77:B:VAL:HG11	1:74:B:GLU:HG3	6	1.87
(1,3355)	1:77:A:VAL:HG13	1:74:A:GLU:HG3	5	1.87
(1,3355)	1:77:A:VAL:HG11	1:74:A:GLU:HG3	6	1.87
(1,3355)	1:77:A:VAL:HG13	1:74:A:GLU:HG3	10	1.87
(1,3336)	1:2:B:ALA:HB2	1:7:B:LYS:HA	12	1.87
(1,3336)	1:2:B:ALA:HB2	1:7:B:LYS:HA	13	1.87
(1,3335)	1:2:A:ALA:HB2	1:7:A:LYS:HA	12	1.87
(1,3335)	1:2:A:ALA:HB2	1:7:A:LYS:HA	13	1.87
(1,908)	1:94:B:PRO:HB3	1:99:B:ARG:HG3	5	1.87
(1,908)	1:94:B:PRO:HB3	1:99:B:ARG:HG3	9	1.87
(1,907)	1:94:A:PRO:HB3	1:99:A:ARG:HG3	5	1.87
(1,907)	1:94:A:PRO:HB3	1:99:A:ARG:HG3	9	1.87
(1,812)	1:57:B:LYS:HD3	1:59:B:MET:HB2	17	1.87
(1,811)	1:57:A:LYS:HD3	1:59:A:MET:HB2	17	1.87
(1,4529)	1:68:A:ASN:HD21	1:66:A:ARG:HB2	9	1.86
(1,4150)	1:76:B:SER:HB2	1:82:A:ILE:HB	17	1.86
(1,3564)	1:56:B:GLN:HB2	1:35:B:LYS:HG3	19	1.86
(1,3549)	1:37:A:LEU:HD11	1:18:A:LYS:HB3	14	1.86
(1,3474)	1:5:B:LEU:HD22	1:43:A:PRO:HD2	20	1.86
(1,3473)	1:5:A:LEU:HD23	1:43:B:PRO:HD2	4	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3473)	1:5:A:LEU:HD22	1:43:B:PRO:HD2	20	1.86
(1,3373)	1:70:A:VAL:HG13	1:96:B:LYS:HB2	9	1.86
(1,3356)	1:77:B:VAL:HG13	1:74:B:GLU:HG3	10	1.86
(1,3342)	1:2:B:ALA:HB3	1:79:A:LEU:HD13	9	1.86
(1,3341)	1:2:A:ALA:HB3	1:79:B:LEU:HD13	9	1.86
(1,4530)	1:68:B:ASN:HD21	1:66:B:ARG:HB2	9	1.85
(1,4388)	1:76:B:SER:H	1:70:B:VAL:HG21	15	1.85
(1,4387)	1:76:A:SER:H	1:70:A:VAL:HG21	15	1.85
(1,3586)	1:88:B:GLU:HB2	1:91:B:GLU:HB3	16	1.85
(1,3585)	1:88:A:GLU:HB2	1:91:A:GLU:HB3	16	1.85
(1,3550)	1:37:B:LEU:HD11	1:18:B:LYS:HB3	14	1.85
(1,3474)	1:5:B:LEU:HD23	1:43:A:PRO:HD2	4	1.85
(1,3474)	1:5:B:LEU:HD23	1:43:A:PRO:HD2	12	1.85
(1,3473)	1:5:A:LEU:HD23	1:43:B:PRO:HD2	12	1.85
(1,3421)	1:5:A:LEU:HD12	1:79:B:LEU:HD12	4	1.85
(1,3356)	1:77:B:VAL:HG11	1:74:B:GLU:HG3	4	1.85
(1,3342)	1:2:B:ALA:HB3	1:79:A:LEU:HD13	16	1.85
(1,3341)	1:2:A:ALA:HB3	1:79:B:LEU:HD13	16	1.85
(1,936)	1:98:B:PRO:HB3	1:101:B:LYS:HG3	2	1.85
(1,935)	1:98:A:PRO:HB3	1:101:A:LYS:HG3	2	1.85
(1,372)	1:26:B:LYS:HG3	1:25:B:ASP:HB2	10	1.85
(1,371)	1:26:A:LYS:HG3	1:25:A:ASP:HB2	10	1.85
(1,4369)	1:95:A:ASP:H	1:27:B:PHE:HB2	13	1.84
(1,4180)	1:34:B:LEU:HD23	1:60:B:SER:HB3	9	1.84
(1,4179)	1:34:A:LEU:HD23	1:60:A:SER:HB3	9	1.84
(1,4149)	1:76:A:SER:HB2	1:82:B:ILE:HB	17	1.84
(1,4149)	1:76:A:SER:HB2	1:96:B:LYS:HD2	19	1.84
(1,3422)	1:5:B:LEU:HD12	1:79:A:LEU:HD12	4	1.84
(1,3421)	1:5:A:LEU:HD13	1:79:B:LEU:HD11	13	1.84
(1,3408)	1:13:B:VAL:HG23	1:79:B:LEU:HB3	4	1.84
(1,3407)	1:13:A:VAL:HG23	1:79:A:LEU:HB3	4	1.84
(1,3374)	1:70:B:VAL:HG13	1:96:A:LYS:HB2	9	1.84
(1,3355)	1:77:A:VAL:HG11	1:74:A:GLU:HG3	4	1.84
(1,812)	1:57:B:LYS:HD3	1:59:B:MET:HB2	11	1.84
(1,811)	1:57:A:LYS:HD3	1:59:A:MET:HB2	11	1.84
(1,706)	1:88:B:GLU:HB2	1:96:B:LYS:HG3	20	1.84
(1,705)	1:88:A:GLU:HB2	1:96:A:LYS:HG3	20	1.84
(1,516)	1:42:B:LEU:HD12	1:5:A:LEU:HD21	6	1.84
(2,240)	1:89:B:PHE:H	1:94:B:PRO:HB2	16	1.83
(2,239)	1:89:A:PHE:H	1:94:A:PRO:HB2	16	1.83
(1,4150)	1:76:B:SER:HB2	1:96:A:LYS:HD2	19	1.83
(1,3474)	1:5:B:LEU:HD23	1:43:A:PRO:HD2	15	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3470)	1:48:B:LYS:HG3	1:46:B:LEU:HD23	10	1.83
(1,3469)	1:48:A:LYS:HG3	1:46:A:LEU:HD23	10	1.83
(1,3374)	1:70:B:VAL:HG11	1:96:A:LYS:HB2	1	1.83
(1,3373)	1:70:A:VAL:HG11	1:96:B:LYS:HB2	1	1.83
(1,812)	1:57:B:LYS:HD3	1:59:B:MET:HB2	4	1.83
(1,811)	1:57:A:LYS:HD3	1:59:A:MET:HB2	4	1.83
(1,515)	1:42:A:LEU:HD12	1:5:B:LEU:HD21	6	1.83
(2,240)	1:89:B:PHE:H	1:94:B:PRO:HB2	2	1.82
(2,239)	1:89:A:PHE:H	1:94:A:PRO:HB2	2	1.82
(1,4530)	1:68:B:ASN:HD21	1:66:B:ARG:HB2	14	1.82
(1,4529)	1:68:A:ASN:HD21	1:66:A:ARG:HB2	14	1.82
(1,4370)	1:95:B:ASP:H	1:27:A:PHE:HB2	13	1.82
(1,3730)	1:69:B:GLU:HG2	1:29:B:LEU:HD11	5	1.82
(1,3729)	1:69:A:GLU:HG2	1:29:A:LEU:HD11	5	1.82
(1,3600)	1:31:B:LYS:HD2	1:32:B:SER:HB2	18	1.82
(1,3599)	1:31:A:LYS:HD2	1:32:A:SER:HB2	18	1.82
(1,3473)	1:5:A:LEU:HD23	1:43:B:PRO:HD2	15	1.82
(1,3473)	1:5:A:LEU:HD22	1:43:B:PRO:HD2	16	1.82
(1,3421)	1:5:A:LEU:HD12	1:79:B:LEU:HD11	17	1.82
(1,3341)	1:2:A:ALA:HB3	1:79:B:LEU:HD13	6	1.82
(1,1390)	1:29:B:LEU:HB3	1:75:B:TYR:HB2	7	1.82
(1,1389)	1:29:A:LEU:HB3	1:75:A:TYR:HB2	7	1.82
(1,936)	1:98:B:PRO:HB3	1:101:B:LYS:HG2	1	1.82
(1,935)	1:98:A:PRO:HB3	1:101:A:LYS:HG2	1	1.82
(1,812)	1:57:B:LYS:HD3	1:59:B:MET:HB2	1	1.82
(1,811)	1:57:A:LYS:HD3	1:59:A:MET:HB2	1	1.82
(1,372)	1:26:B:LYS:HG3	1:25:B:ASP:HB2	9	1.82
(1,371)	1:26:A:LYS:HG3	1:25:A:ASP:HB2	7	1.82
(1,371)	1:26:A:LYS:HG3	1:25:A:ASP:HB2	9	1.82
(2,240)	1:89:B:PHE:H	1:94:B:PRO:HB2	9	1.81
(2,240)	1:89:B:PHE:H	1:94:B:PRO:HB2	14	1.81
(2,239)	1:89:A:PHE:H	1:94:A:PRO:HB2	9	1.81
(1,4620)	1:56:B:GLN:HE22	1:34:B:LEU:HD22	16	1.81
(1,4619)	1:56:A:GLN:HE22	1:34:A:LEU:HD22	16	1.81
(1,4529)	1:68:A:ASN:HD21	1:66:A:ARG:HB2	3	1.81
(1,4149)	1:76:A:SER:HB2	1:96:B:LYS:HD2	14	1.81
(1,3888)	1:31:B:LYS:HE2	1:35:B:LYS:HD2	1	1.81
(1,3887)	1:31:A:LYS:HE2	1:35:A:LYS:HD2	1	1.81
(1,3599)	1:31:A:LYS:HD3	1:32:A:SER:HB2	5	1.81
(1,3598)	1:7:B:LYS:HD2	1:9:B:LEU:HD11	14	1.81
(1,3597)	1:7:A:LYS:HD2	1:9:A:LEU:HD11	14	1.81
(1,3588)	1:97:B:GLN:HB3	1:101:B:LYS:HD3	17	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3587)	1:97:A:GLN:HB3	1:101:A:LYS:HD3	17	1.81
(1,3474)	1:5:B:LEU:HD21	1:43:A:PRO:HD2	8	1.81
(1,3474)	1:5:B:LEU:HD22	1:43:A:PRO:HD2	16	1.81
(1,3473)	1:5:A:LEU:HD21	1:43:B:PRO:HD2	6	1.81
(1,3473)	1:5:A:LEU:HD21	1:43:B:PRO:HD2	8	1.81
(1,3473)	1:5:A:LEU:HD23	1:43:B:PRO:HD2	18	1.81
(1,3422)	1:5:B:LEU:HD13	1:79:A:LEU:HD11	13	1.81
(1,2560)	1:27:B:PHE:H	1:20:B:SER:HB3	7	1.81
(1,908)	1:94:B:PRO:HB3	1:99:B:ARG:HG3	8	1.81
(1,907)	1:94:A:PRO:HB3	1:99:A:ARG:HG3	8	1.81
(1,812)	1:57:B:LYS:HD3	1:59:B:MET:HB2	2	1.81
(1,812)	1:57:B:LYS:HD3	1:59:B:MET:HB2	12	1.81
(1,811)	1:57:A:LYS:HD3	1:59:A:MET:HB2	12	1.81
(1,372)	1:26:B:LYS:HG3	1:25:B:ASP:HB2	7	1.81
(2,239)	1:89:A:PHE:H	1:94:A:PRO:HB2	14	1.8
(1,4150)	1:76:B:SER:HB2	1:96:A:LYS:HD2	14	1.8
(1,3626)	1:43:B:PRO:HB3	1:45:B:PHE:HB3	10	1.8
(1,3626)	1:43:B:PRO:HB3	1:45:B:PHE:HB3	16	1.8
(1,3625)	1:43:A:PRO:HB3	1:45:A:PHE:HB3	16	1.8
(1,3600)	1:31:B:LYS:HD3	1:32:B:SER:HB2	5	1.8
(1,3474)	1:5:B:LEU:HD21	1:43:A:PRO:HD2	6	1.8
(1,3474)	1:5:B:LEU:HD23	1:43:A:PRO:HD2	18	1.8
(1,3422)	1:5:B:LEU:HD12	1:79:A:LEU:HD11	17	1.8
(1,3373)	1:70:A:VAL:HG13	1:96:B:LYS:HB2	8	1.8
(1,3342)	1:2:B:ALA:HB3	1:79:A:LEU:HD13	6	1.8
(1,3342)	1:2:B:ALA:HB1	1:79:A:LEU:HD12	8	1.8
(1,3342)	1:2:B:ALA:HB2	1:79:A:LEU:HD11	11	1.8
(1,3341)	1:2:A:ALA:HB1	1:79:B:LEU:HD12	8	1.8
(1,3341)	1:2:A:ALA:HB1	1:79:B:LEU:HD21	14	1.8
(1,3336)	1:2:B:ALA:HB3	1:7:B:LYS:HA	14	1.8
(1,3335)	1:2:A:ALA:HB1	1:7:A:LYS:HA	14	1.8
(1,2559)	1:27:A:PHE:H	1:20:A:SER:HB3	7	1.8
(1,811)	1:57:A:LYS:HD3	1:59:A:MET:HB2	2	1.8
(2,240)	1:89:B:PHE:H	1:94:B:PRO:HB2	11	1.79
(2,239)	1:89:A:PHE:H	1:94:A:PRO:HB2	11	1.79
(1,4530)	1:68:B:ASN:HD21	1:66:B:ARG:HB2	3	1.79
(1,3626)	1:43:B:PRO:HB3	1:45:B:PHE:HB3	4	1.79
(1,3626)	1:43:B:PRO:HB3	1:45:B:PHE:HB3	15	1.79
(1,3625)	1:43:A:PRO:HB3	1:45:A:PHE:HB3	4	1.79
(1,3625)	1:43:A:PRO:HB3	1:45:A:PHE:HB3	10	1.79
(1,3625)	1:43:A:PRO:HB3	1:45:A:PHE:HB3	15	1.79
(1,3402)	1:70:B:VAL:HG21	1:33:B:GLU:HB2	6	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3401)	1:70:A:VAL:HG21	1:33:A:GLU:HB2	6	1.79
(1,3374)	1:70:B:VAL:HG13	1:96:A:LYS:HB2	8	1.79
(1,3356)	1:77:B:VAL:HG11	1:74:B:GLU:HG3	20	1.79
(1,3355)	1:77:A:VAL:HG11	1:74:A:GLU:HG3	20	1.79
(1,3341)	1:2:A:ALA:HB2	1:79:B:LEU:HD11	11	1.79
(1,372)	1:26:B:LYS:HG3	1:25:B:ASP:HB2	16	1.79
(1,371)	1:26:A:LYS:HG3	1:25:A:ASP:HB2	16	1.79
(2,240)	1:89:B:PHE:H	1:94:B:PRO:HB2	1	1.78
(2,240)	1:89:B:PHE:H	1:94:B:PRO:HB2	4	1.78
(2,240)	1:89:B:PHE:H	1:94:B:PRO:HB2	7	1.78
(2,240)	1:89:B:PHE:H	1:94:B:PRO:HB2	12	1.78
(2,240)	1:89:B:PHE:H	1:94:B:PRO:HB2	15	1.78
(2,240)	1:89:B:PHE:H	1:94:B:PRO:HB2	19	1.78
(2,239)	1:89:A:PHE:H	1:94:A:PRO:HB2	4	1.78
(2,239)	1:89:A:PHE:H	1:94:A:PRO:HB2	7	1.78
(2,239)	1:89:A:PHE:H	1:94:A:PRO:HB2	15	1.78
(2,239)	1:89:A:PHE:H	1:94:A:PRO:HB2	19	1.78
(1,4284)	1:3:B:SER:H	1:37:A:LEU:HD21	10	1.78
(1,4283)	1:3:A:SER:H	1:37:B:LEU:HD21	10	1.78
(1,3914)	1:40:B:ARG:HD3	1:37:B:LEU:HD23	18	1.78
(1,3598)	1:7:B:LYS:HD2	1:9:B:LEU:HD13	7	1.78
(1,3597)	1:7:A:LYS:HD2	1:9:A:LEU:HD13	7	1.78
(1,3421)	1:5:A:LEU:HD11	1:79:B:LEU:HD11	3	1.78
(1,3342)	1:2:B:ALA:HB1	1:79:A:LEU:HD21	14	1.78
(1,812)	1:57:B:LYS:HD3	1:59:B:MET:HB2	3	1.78
(1,811)	1:57:A:LYS:HD3	1:59:A:MET:HB2	3	1.78
(2,239)	1:89:A:PHE:H	1:94:A:PRO:HB2	1	1.77
(2,239)	1:89:A:PHE:H	1:94:A:PRO:HB2	12	1.77
(1,3913)	1:40:A:ARG:HD3	1:37:A:LEU:HD23	18	1.77
(1,3626)	1:43:B:PRO:HB3	1:45:B:PHE:HB3	11	1.77
(1,3626)	1:43:B:PRO:HB3	1:45:B:PHE:HB3	14	1.77
(1,3625)	1:43:A:PRO:HB3	1:45:A:PHE:HB3	11	1.77
(1,3625)	1:43:A:PRO:HB3	1:45:A:PHE:HB3	14	1.77
(1,3564)	1:56:B:GLN:HB2	1:35:B:LYS:HG3	17	1.77
(1,3563)	1:56:A:GLN:HB2	1:35:A:LYS:HG3	17	1.77
(1,3421)	1:5:A:LEU:HD13	1:79:B:LEU:HD11	14	1.77
(1,3374)	1:70:B:VAL:HG13	1:96:A:LYS:HB2	7	1.77
(1,3374)	1:70:B:VAL:HG13	1:96:A:LYS:HB2	20	1.77
(1,3342)	1:2:B:ALA:HB2	1:79:A:LEU:HD23	5	1.77
(1,3341)	1:2:A:ALA:HB2	1:79:B:LEU:HD23	5	1.77
(1,2766)	1:59:B:MET:H	1:61:B:ASN:HB3	20	1.77
(1,2765)	1:59:A:MET:H	1:61:A:ASN:HB3	20	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,812)	1:57:B:LYS:HD3	1:59:B:MET:HB2	8	1.77
(1,516)	1:42:B:LEU:HD13	1:5:A:LEU:HD22	7	1.77
(2,239)	1:89:A:PHE:H	1:94:A:PRO:HB2	18	1.76
(1,4564)	1:73:B:GLN:HE22	1:96:A:LYS:HD2	13	1.76
(1,4564)	1:73:B:GLN:HE22	1:96:A:LYS:HD2	16	1.76
(1,4563)	1:73:A:GLN:HE22	1:96:B:LYS:HD2	16	1.76
(1,4200)	1:50:B:THR:HB	1:55:B:PHE:HB2	18	1.76
(1,4199)	1:50:A:THR:HB	1:55:A:PHE:HB2	18	1.76
(1,3804)	1:16:B:PHE:HB2	1:70:B:VAL:HG11	11	1.76
(1,3803)	1:16:A:PHE:HB2	1:70:A:VAL:HG11	11	1.76
(1,3666)	1:29:B:LEU:HD13	1:18:B:LYS:HB3	16	1.76
(1,3665)	1:29:A:LEU:HD13	1:18:A:LYS:HB3	16	1.76
(1,3600)	1:31:B:LYS:HD2	1:32:B:SER:HB2	11	1.76
(1,3599)	1:31:A:LYS:HD2	1:32:A:SER:HB2	11	1.76
(1,3598)	1:7:B:LYS:HD3	1:9:B:LEU:HD13	18	1.76
(1,3597)	1:7:A:LYS:HD3	1:9:A:LEU:HD13	18	1.76
(1,3564)	1:56:B:GLN:HB2	1:35:B:LYS:HG3	9	1.76
(1,3422)	1:5:B:LEU:HD11	1:79:A:LEU:HD11	3	1.76
(1,3422)	1:5:B:LEU:HD13	1:79:A:LEU:HD11	14	1.76
(1,3373)	1:70:A:VAL:HG13	1:96:B:LYS:HB2	7	1.76
(1,3373)	1:70:A:VAL:HG11	1:96:B:LYS:HB2	12	1.76
(1,3373)	1:70:A:VAL:HG13	1:96:B:LYS:HB2	20	1.76
(1,3342)	1:2:B:ALA:HB2	1:79:A:LEU:HD13	12	1.76
(1,3342)	1:2:B:ALA:HB3	1:79:A:LEU:HD11	18	1.76
(1,3341)	1:2:A:ALA:HB3	1:79:B:LEU:HD11	18	1.76
(1,811)	1:57:A:LYS:HD3	1:59:A:MET:HB2	8	1.76
(1,515)	1:42:A:LEU:HD13	1:5:B:LEU:HD22	7	1.76
(2,240)	1:89:B:PHE:H	1:94:B:PRO:HB2	8	1.75
(2,240)	1:89:B:PHE:H	1:94:B:PRO:HB2	18	1.75
(1,4563)	1:73:A:GLN:HE22	1:96:B:LYS:HD2	13	1.75
(1,4530)	1:68:B:ASN:HD21	1:66:B:ARG:HB2	20	1.75
(1,4529)	1:68:A:ASN:HD21	1:66:A:ARG:HB2	20	1.75
(1,3914)	1:40:B:ARG:HD2	1:37:B:LEU:HD22	7	1.75
(1,3913)	1:40:A:ARG:HD2	1:37:A:LEU:HD22	7	1.75
(1,3738)	1:33:B:GLU:HG2	1:29:B:LEU:HD11	15	1.75
(1,3737)	1:33:A:GLU:HG2	1:29:A:LEU:HD11	15	1.75
(1,3626)	1:43:B:PRO:HB3	1:45:B:PHE:HB3	17	1.75
(1,3625)	1:43:A:PRO:HB3	1:45:A:PHE:HB3	17	1.75
(1,3563)	1:56:A:GLN:HB2	1:35:A:LYS:HG3	9	1.75
(1,3374)	1:70:B:VAL:HG11	1:96:A:LYS:HB2	12	1.75
(1,3341)	1:2:A:ALA:HB2	1:79:B:LEU:HD13	12	1.75
(1,2560)	1:27:B:PHE:H	1:20:B:SER:HB3	10	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2559)	1:27:A:PHE:H	1:20:A:SER:HB3	10	1.75
(1,812)	1:57:B:LYS:HD3	1:59:B:MET:HB2	16	1.75
(1,706)	1:88:B:GLU:HB2	1:96:B:LYS:HG3	19	1.75
(1,705)	1:88:A:GLU:HB2	1:96:A:LYS:HG3	19	1.75
(1,372)	1:26:B:LYS:HG3	1:25:B:ASP:HB2	8	1.75
(1,372)	1:26:B:LYS:HG3	1:25:B:ASP:HB2	17	1.75
(1,371)	1:26:A:LYS:HG3	1:25:A:ASP:HB2	8	1.75
(2,240)	1:89:B:PHE:H	1:94:B:PRO:HB2	20	1.74
(2,239)	1:89:A:PHE:H	1:94:A:PRO:HB2	8	1.74
(2,239)	1:89:A:PHE:H	1:94:A:PRO:HB2	20	1.74
(1,3860)	1:31:B:LYS:HE3	1:52:B:GLU:HA	8	1.74
(1,3859)	1:31:A:LYS:HE3	1:52:A:GLU:HA	8	1.74
(1,3430)	1:46:B:LEU:HD11	1:45:B:PHE:HA	13	1.74
(1,3429)	1:46:A:LEU:HD11	1:45:A:PHE:HA	13	1.74
(1,3402)	1:70:B:VAL:HG23	1:33:B:GLU:HB2	19	1.74
(1,3401)	1:70:A:VAL:HG23	1:33:A:GLU:HB2	19	1.74
(1,3356)	1:77:B:VAL:HG11	1:74:B:GLU:HG3	3	1.74
(1,3355)	1:77:A:VAL:HG11	1:74:A:GLU:HG3	3	1.74
(1,2766)	1:59:B:MET:H	1:61:B:ASN:HB3	16	1.74
(1,2765)	1:59:A:MET:H	1:61:A:ASN:HB3	16	1.74
(1,811)	1:57:A:LYS:HD3	1:59:A:MET:HB2	16	1.74
(1,371)	1:26:A:LYS:HG2	1:25:A:ASP:HB2	1	1.74
(1,371)	1:26:A:LYS:HG3	1:25:A:ASP:HB2	17	1.74
(2,240)	1:89:B:PHE:H	1:94:B:PRO:HB2	17	1.73
(2,239)	1:89:A:PHE:H	1:94:A:PRO:HB2	17	1.73
(1,3889)	1:7:A:LYS:HE3	1:38:B:LEU:HD13	15	1.73
(1,3760)	1:27:B:PHE:HB2	1:91:A:GLU:H	5	1.73
(1,3626)	1:43:B:PRO:HB3	1:45:B:PHE:HB3	2	1.73
(1,3625)	1:43:A:PRO:HB3	1:45:A:PHE:HB3	2	1.73
(1,3598)	1:96:B:LYS:HD3	1:13:A:VAL:HG11	4	1.73
(1,3597)	1:96:A:LYS:HD3	1:13:B:VAL:HG11	4	1.73
(1,3587)	1:97:A:GLN:HB3	1:101:A:LYS:HD3	20	1.73
(1,3374)	1:70:B:VAL:HG11	1:96:A:LYS:HB3	4	1.73
(1,706)	1:88:B:GLU:HB2	1:96:B:LYS:HG3	4	1.73
(1,705)	1:88:A:GLU:HB2	1:96:A:LYS:HG3	4	1.73
(1,372)	1:26:B:LYS:HG2	1:25:B:ASP:HB2	1	1.73
(1,40)	1:82:B:ILE:HD11	1:6:A:GLU:HB2	15	1.73
(2,240)	1:89:B:PHE:H	1:94:B:PRO:HB2	6	1.72
(2,239)	1:89:A:PHE:H	1:94:A:PRO:HB2	6	1.72
(1,3759)	1:27:A:PHE:HB2	1:91:B:GLU:H	5	1.72
(1,3734)	1:36:B:GLU:HG3	1:31:B:LYS:HB3	20	1.72
(1,3733)	1:36:A:GLU:HG3	1:31:A:LYS:HB3	20	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3625)	1:43:A:PRO:HB3	1:45:A:PHE:HB3	13	1.72
(1,3588)	1:97:B:GLN:HB3	1:101:B:LYS:HD3	20	1.72
(1,3430)	1:46:B:LEU:HD13	1:45:B:PHE:HA	9	1.72
(1,3429)	1:46:A:LEU:HD13	1:45:A:PHE:HA	9	1.72
(1,3132)	1:73:B:GLN:HE22	1:62:B:LEU:HD23	9	1.72
(1,680)	1:88:B:GLU:HB2	1:97:B:GLN:HE21	11	1.72
(1,679)	1:88:A:GLU:HB2	1:97:A:GLN:HE21	11	1.72
(1,39)	1:82:A:ILE:HD11	1:6:B:GLU:HB2	15	1.72
(2,240)	1:89:B:PHE:H	1:94:B:PRO:HB2	3	1.71
(2,239)	1:89:A:PHE:H	1:94:A:PRO:HB2	3	1.71
(1,4388)	1:76:B:SER:H	1:13:B:VAL:HG12	8	1.71
(1,4387)	1:76:A:SER:H	1:13:A:VAL:HG12	8	1.71
(1,3914)	1:40:B:ARG:HD3	1:37:B:LEU:HD23	19	1.71
(1,3913)	1:40:A:ARG:HD3	1:37:A:LEU:HD23	19	1.71
(1,3888)	1:7:B:LYS:HE2	1:11:B:VAL:HG22	17	1.71
(1,3887)	1:7:A:LYS:HE2	1:11:A:VAL:HG22	17	1.71
(1,3798)	1:16:B:PHE:HB2	1:83:A:ALA:HB1	11	1.71
(1,3797)	1:16:A:PHE:HB2	1:83:B:ALA:HB1	11	1.71
(1,3684)	1:85:B:MET:HB2	1:82:B:ILE:HD13	9	1.71
(1,3683)	1:85:A:MET:HB2	1:82:A:ILE:HD13	9	1.71
(1,3626)	1:43:B:PRO:HB3	1:45:B:PHE:HB3	13	1.71
(1,3625)	1:43:A:PRO:HB3	1:45:A:PHE:HB3	6	1.71
(1,3600)	1:31:B:LYS:HD3	1:32:B:SER:HB2	9	1.71
(1,3599)	1:31:A:LYS:HD3	1:32:A:SER:HB2	9	1.71
(1,3402)	1:70:B:VAL:HG22	1:33:B:GLU:HB2	4	1.71
(1,3401)	1:70:A:VAL:HG22	1:33:A:GLU:HB2	4	1.71
(1,3341)	1:2:A:ALA:HB1	1:79:B:LEU:HD11	13	1.71
(1,3131)	1:73:A:GLN:HE22	1:62:A:LEU:HD23	9	1.71
(1,2766)	1:59:B:MET:H	1:61:B:ASN:HB3	17	1.71
(1,2765)	1:59:A:MET:H	1:61:A:ASN:HB3	17	1.71
(1,2560)	1:27:B:PHE:H	1:20:B:SER:HB3	12	1.71
(1,2559)	1:27:A:PHE:H	1:20:A:SER:HB3	12	1.71
(1,908)	1:94:B:PRO:HB3	1:99:B:ARG:HG3	1	1.71
(1,907)	1:94:A:PRO:HB3	1:99:A:ARG:HG3	1	1.71
(1,812)	1:57:B:LYS:HD3	1:59:B:MET:HB2	15	1.71
(1,811)	1:57:A:LYS:HD3	1:59:A:MET:HB2	15	1.71
(1,4530)	1:68:B:ASN:HD21	1:66:B:ARG:HB2	11	1.7
(1,4529)	1:68:A:ASN:HD21	1:66:A:ARG:HB2	11	1.7
(1,4150)	1:76:B:SER:HB3	1:96:A:LYS:HD3	10	1.7
(1,4149)	1:76:A:SER:HB3	1:96:B:LYS:HD3	10	1.7
(1,3890)	1:7:B:LYS:HE3	1:38:A:LEU:HD13	15	1.7
(1,3744)	1:36:B:GLU:HG3	1:37:B:LEU:HD11	1	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3743)	1:36:A:GLU:HG3	1:37:A:LEU:HD11	1	1.7
(1,3676)	1:59:B:MET:HG2	1:31:B:LYS:HB2	11	1.7
(1,3675)	1:59:A:MET:HG2	1:31:A:LYS:HB2	11	1.7
(1,3666)	1:29:B:LEU:HD12	1:18:B:LYS:HB3	5	1.7
(1,3665)	1:29:A:LEU:HD12	1:18:A:LYS:HB3	5	1.7
(1,3626)	1:43:B:PRO:HB3	1:45:B:PHE:HB3	6	1.7
(1,3430)	1:46:B:LEU:HD11	1:45:B:PHE:HA	6	1.7
(1,3429)	1:46:A:LEU:HD11	1:45:A:PHE:HA	6	1.7
(1,3342)	1:2:B:ALA:HB1	1:79:A:LEU:HD13	15	1.7
(1,3341)	1:2:A:ALA:HB1	1:79:B:LEU:HD13	15	1.7
(1,3339)	1:2:A:ALA:HB1	1:42:B:LEU:HD22	18	1.7
(1,3336)	1:2:B:ALA:HB1	1:7:B:LYS:HA	11	1.7
(1,3335)	1:2:A:ALA:HB1	1:7:A:LYS:HA	11	1.7
(1,2559)	1:27:A:PHE:H	1:20:A:SER:HB3	16	1.7
(1,1390)	1:29:B:LEU:HB3	1:75:B:TYR:HB2	6	1.7
(1,1389)	1:29:A:LEU:HB3	1:75:A:TYR:HB2	6	1.7
(1,1081)	1:33:A:GLU:HG3	1:29:A:LEU:HB2	10	1.7
(1,908)	1:94:B:PRO:HB3	1:99:B:ARG:HG3	6	1.7
(1,907)	1:94:A:PRO:HB3	1:99:A:ARG:HG3	6	1.7
(1,786)	1:38:B:LEU:H	1:41:B:GLU:HB3	17	1.7
(1,785)	1:38:A:LEU:H	1:41:A:GLU:HB3	17	1.7
(2,240)	1:89:B:PHE:H	1:94:B:PRO:HB2	5	1.69
(2,239)	1:89:A:PHE:H	1:94:A:PRO:HB2	5	1.69
(1,3696)	1:73:B:GLN:HG3	1:99:A:ARG:HD2	18	1.69
(1,3373)	1:70:A:VAL:HG11	1:96:B:LYS:HB3	4	1.69
(1,3342)	1:2:B:ALA:HB1	1:79:A:LEU:HD11	13	1.69
(1,3340)	1:2:B:ALA:HB1	1:42:A:LEU:HD22	18	1.69
(1,2560)	1:27:B:PHE:H	1:20:B:SER:HB3	16	1.69
(1,1082)	1:33:B:GLU:HG3	1:29:B:LEU:HB2	10	1.69
(1,3695)	1:73:A:GLN:HG3	1:99:B:ARG:HD2	18	1.68
(1,3665)	1:29:A:LEU:HD13	1:18:A:LYS:HB3	19	1.68
(1,3587)	1:52:A:GLU:HB3	1:57:A:LYS:HD3	16	1.68
(1,3564)	1:56:B:GLN:HB2	1:35:B:LYS:HG3	11	1.68
(1,3563)	1:56:A:GLN:HB2	1:35:A:LYS:HG3	11	1.68
(1,3430)	1:46:B:LEU:HD13	1:45:B:PHE:HA	19	1.68
(1,3374)	1:70:B:VAL:HG13	1:96:A:LYS:HB3	19	1.68
(1,3373)	1:70:A:VAL:HG13	1:96:B:LYS:HB3	19	1.68
(1,3340)	1:2:B:ALA:HB3	1:11:A:VAL:HG12	6	1.68
(1,2766)	1:59:B:MET:H	1:61:B:ASN:HB3	6	1.68
(1,2766)	1:59:B:MET:H	1:61:B:ASN:HB3	10	1.68
(1,2765)	1:59:A:MET:H	1:61:A:ASN:HB3	6	1.68
(1,1067)	1:91:A:GLU:HG3	1:90:A:PHE:HB3	8	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,908)	1:94:B:PRO:HB3	1:99:B:ARG:HG3	10	1.68
(1,907)	1:94:A:PRO:HB3	1:99:A:ARG:HG3	10	1.68
(1,382)	1:31:B:LYS:HG2	1:68:B:ASN:HD21	8	1.68
(1,381)	1:31:A:LYS:HG2	1:68:A:ASN:HD21	8	1.68
(1,4563)	1:73:A:GLN:HE22	1:96:B:LYS:HD2	9	1.67
(1,4530)	1:68:B:ASN:HD21	1:66:B:ARG:HB2	8	1.67
(1,4529)	1:68:A:ASN:HD21	1:66:A:ARG:HB2	8	1.67
(1,4200)	1:50:B:THR:HB	1:49:B:ARG:HD2	12	1.67
(1,4199)	1:50:A:THR:HB	1:49:A:ARG:HD2	12	1.67
(1,4180)	1:60:B:SER:HB3	1:70:B:VAL:HG23	3	1.67
(1,4179)	1:60:A:SER:HB3	1:70:A:VAL:HG23	3	1.67
(1,3894)	1:79:B:LEU:HD23	1:37:B:LEU:HB3	7	1.67
(1,3893)	1:79:A:LEU:HD23	1:37:A:LEU:HB3	7	1.67
(1,3684)	1:85:B:MET:HB2	1:82:B:ILE:HD11	7	1.67
(1,3683)	1:85:A:MET:HB2	1:82:A:ILE:HD11	7	1.67
(1,3666)	1:29:B:LEU:HD13	1:18:B:LYS:HB3	19	1.67
(1,3665)	1:29:A:LEU:HD12	1:18:A:LYS:HB3	8	1.67
(1,3626)	1:43:B:PRO:HB3	1:45:B:PHE:HB3	19	1.67
(1,3598)	1:7:B:LYS:HD2	1:9:B:LEU:HD11	3	1.67
(1,3588)	1:52:B:GLU:HB3	1:57:B:LYS:HD3	16	1.67
(1,3429)	1:46:A:LEU:HD13	1:45:A:PHE:HA	19	1.67
(1,3421)	1:5:A:LEU:HD12	1:79:B:LEU:HD13	6	1.67
(1,3374)	1:70:B:VAL:HG13	1:96:A:LYS:HB2	18	1.67
(1,3355)	1:77:A:VAL:HG11	1:74:A:GLU:HG3	8	1.67
(1,3336)	1:2:B:ALA:HB3	1:7:B:LYS:HA	15	1.67
(1,3335)	1:2:A:ALA:HB3	1:7:A:LYS:HA	15	1.67
(1,2766)	1:59:B:MET:H	1:61:B:ASN:HB3	7	1.67
(1,2765)	1:59:A:MET:H	1:61:A:ASN:HB3	10	1.67
(1,1068)	1:91:B:GLU:HG3	1:90:B:PHE:HB3	8	1.67
(1,908)	1:94:B:PRO:HB3	1:99:B:ARG:HG2	14	1.67
(1,907)	1:94:A:PRO:HB3	1:99:A:ARG:HG2	14	1.67
(1,812)	1:57:B:LYS:HD3	1:59:B:MET:HB2	14	1.67
(1,4564)	1:73:B:GLN:HE22	1:96:A:LYS:HD2	9	1.66
(1,4529)	1:68:A:ASN:HD21	1:66:A:ARG:HB2	13	1.66
(1,3684)	1:85:B:MET:HB2	1:82:B:ILE:HD13	12	1.66
(1,3683)	1:85:A:MET:HB2	1:82:A:ILE:HD13	12	1.66
(1,3666)	1:29:B:LEU:HD12	1:18:B:LYS:HB3	8	1.66
(1,3626)	1:43:B:PRO:HB3	1:45:B:PHE:HB3	5	1.66
(1,3625)	1:43:A:PRO:HB3	1:45:A:PHE:HB3	5	1.66
(1,3625)	1:43:A:PRO:HB3	1:45:A:PHE:HB3	19	1.66
(1,3597)	1:96:A:LYS:HD2	1:13:B:VAL:HG11	3	1.66
(1,3422)	1:5:B:LEU:HD12	1:79:A:LEU:HD13	6	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3374)	1:70:B:VAL:HG12	1:96:A:LYS:HB2	6	1.66
(1,3374)	1:70:B:VAL:HG11	1:96:A:LYS:HB3	16	1.66
(1,3356)	1:77:B:VAL:HG11	1:74:B:GLU:HG3	8	1.66
(1,3339)	1:2:A:ALA:HB3	1:11:B:VAL:HG12	6	1.66
(1,2766)	1:59:B:MET:H	1:61:B:ASN:HB3	5	1.66
(1,2766)	1:59:B:MET:H	1:61:B:ASN:HB3	11	1.66
(1,2765)	1:59:A:MET:H	1:61:A:ASN:HB3	5	1.66
(1,2765)	1:59:A:MET:H	1:61:A:ASN:HB3	7	1.66
(1,2765)	1:59:A:MET:H	1:61:A:ASN:HB3	11	1.66
(1,1455)	1:29:A:LEU:HB3	1:70:A:VAL:HG12	6	1.66
(1,811)	1:57:A:LYS:HD3	1:59:A:MET:HB2	14	1.66
(1,515)	1:42:A:LEU:HD13	1:5:B:LEU:HD22	9	1.66
(2,240)	1:89:B:PHE:H	1:94:B:PRO:HB2	10	1.65
(2,239)	1:89:A:PHE:H	1:94:A:PRO:HB2	10	1.65
(1,4530)	1:68:B:ASN:HD21	1:66:B:ARG:HB2	5	1.65
(1,4530)	1:68:B:ASN:HD21	1:66:B:ARG:HB2	13	1.65
(1,4529)	1:68:A:ASN:HD21	1:66:A:ARG:HB2	5	1.65
(1,4529)	1:68:A:ASN:HD21	1:66:A:ARG:HB2	10	1.65
(1,3684)	1:85:B:MET:HB2	1:82:B:ILE:HD11	18	1.65
(1,3683)	1:85:A:MET:HB2	1:82:A:ILE:HD11	18	1.65
(1,3676)	1:59:B:MET:HG2	1:31:B:LYS:HB3	12	1.65
(1,3675)	1:59:A:MET:HG2	1:31:A:LYS:HB3	12	1.65
(1,3599)	1:31:A:LYS:HD2	1:32:A:SER:HB2	13	1.65
(1,3430)	1:46:B:LEU:HD12	1:45:B:PHE:HA	8	1.65
(1,3429)	1:46:A:LEU:HD12	1:45:A:PHE:HA	8	1.65
(1,3373)	1:70:A:VAL:HG12	1:96:B:LYS:HB2	6	1.65
(1,3373)	1:70:A:VAL:HG11	1:96:B:LYS:HB2	15	1.65
(1,3373)	1:70:A:VAL:HG13	1:96:B:LYS:HB2	18	1.65
(1,3340)	1:2:B:ALA:HB3	1:37:A:LEU:HD21	5	1.65
(1,3339)	1:2:A:ALA:HB3	1:37:B:LEU:HD21	5	1.65
(1,2766)	1:59:B:MET:H	1:61:B:ASN:HB3	9	1.65
(1,2765)	1:59:A:MET:H	1:61:A:ASN:HB3	9	1.65
(1,1456)	1:29:B:LEU:HB3	1:70:B:VAL:HG12	6	1.65
(1,1390)	1:29:B:LEU:HB3	1:75:B:TYR:HB2	12	1.65
(1,1389)	1:29:A:LEU:HB3	1:75:A:TYR:HB2	12	1.65
(1,811)	1:57:A:LYS:HD3	1:59:A:MET:HB2	19	1.65
(1,786)	1:38:B:LEU:H	1:41:B:GLU:HB3	2	1.65
(1,786)	1:38:B:LEU:H	1:41:B:GLU:HB3	14	1.65
(1,785)	1:38:A:LEU:H	1:41:A:GLU:HB3	2	1.65
(1,785)	1:38:A:LEU:H	1:41:A:GLU:HB3	14	1.65
(1,516)	1:42:B:LEU:HD13	1:5:A:LEU:HD22	9	1.65
(1,4530)	1:68:B:ASN:HD21	1:66:B:ARG:HB2	10	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4400)	1:72:B:PHE:H	1:13:B:VAL:HG11	4	1.64
(1,4399)	1:72:A:PHE:H	1:13:A:VAL:HG11	4	1.64
(1,3666)	1:29:B:LEU:HD11	1:18:B:LYS:HB3	6	1.64
(1,3665)	1:29:A:LEU:HD11	1:18:A:LYS:HB3	6	1.64
(1,3597)	1:96:A:LYS:HD3	1:13:B:VAL:HG12	11	1.64
(1,3474)	1:5:B:LEU:HD22	1:43:A:PRO:HD2	9	1.64
(1,3473)	1:5:A:LEU:HD22	1:43:B:PRO:HD2	7	1.64
(1,3430)	1:46:B:LEU:HD12	1:45:B:PHE:HA	7	1.64
(1,3429)	1:46:A:LEU:HD12	1:45:A:PHE:HA	7	1.64
(1,3373)	1:70:A:VAL:HG11	1:96:B:LYS:HB3	16	1.64
(1,3355)	1:77:A:VAL:HG12	1:74:A:GLU:HG3	16	1.64
(1,2766)	1:59:B:MET:H	1:61:B:ASN:HB3	4	1.64
(1,2766)	1:59:B:MET:H	1:61:B:ASN:HB3	18	1.64
(1,2765)	1:59:A:MET:H	1:61:A:ASN:HB3	4	1.64
(1,2765)	1:59:A:MET:H	1:61:A:ASN:HB3	18	1.64
(1,1390)	1:29:B:LEU:HB3	1:75:B:TYR:HB2	4	1.64
(1,1390)	1:29:B:LEU:HB3	1:75:B:TYR:HB2	20	1.64
(1,1389)	1:29:A:LEU:HB3	1:75:A:TYR:HB2	4	1.64
(1,1389)	1:29:A:LEU:HB3	1:75:A:TYR:HB2	20	1.64
(1,812)	1:57:B:LYS:HD3	1:59:B:MET:HB2	19	1.64
(1,786)	1:38:B:LEU:H	1:41:B:GLU:HB3	8	1.64
(1,785)	1:38:A:LEU:H	1:41:A:GLU:HB3	8	1.64
(1,4530)	1:68:B:ASN:HD21	1:66:B:ARG:HG2	1	1.63
(1,4180)	1:60:B:SER:HB3	1:70:B:VAL:HG22	17	1.63
(1,4179)	1:60:A:SER:HB3	1:70:A:VAL:HG22	17	1.63
(1,3951)	1:47:A:GLY:HA2	1:46:A:LEU:HD22	19	1.63
(1,3890)	1:48:B:LYS:HE2	1:46:B:LEU:HD22	3	1.63
(1,3889)	1:48:A:LYS:HE2	1:46:A:LEU:HD22	3	1.63
(1,3859)	1:31:A:LYS:HE2	1:52:A:GLU:HA	12	1.63
(1,3798)	1:16:B:PHE:HB2	1:83:A:ALA:HB2	17	1.63
(1,3684)	1:85:B:MET:HB2	1:82:B:ILE:HD13	1	1.63
(1,3684)	1:85:B:MET:HB2	1:82:B:ILE:HD13	11	1.63
(1,3683)	1:85:A:MET:HB2	1:82:A:ILE:HD13	1	1.63
(1,3683)	1:85:A:MET:HB2	1:82:A:ILE:HD13	11	1.63
(1,3666)	1:29:B:LEU:HD12	1:18:B:LYS:HB3	12	1.63
(1,3665)	1:29:A:LEU:HD12	1:18:A:LYS:HB3	12	1.63
(1,3626)	1:43:B:PRO:HB3	1:45:B:PHE:HB3	3	1.63
(1,3625)	1:43:A:PRO:HB3	1:45:A:PHE:HB3	3	1.63
(1,3600)	1:31:B:LYS:HD2	1:32:B:SER:HB2	13	1.63
(1,3564)	1:56:B:GLN:HB2	1:35:B:LYS:HG3	7	1.63
(1,3564)	1:56:B:GLN:HB2	1:35:B:LYS:HG3	10	1.63
(1,3563)	1:56:A:GLN:HB2	1:35:A:LYS:HG3	7	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3474)	1:5:B:LEU:HD22	1:43:A:PRO:HD2	7	1.63
(1,3473)	1:5:A:LEU:HD22	1:43:B:PRO:HD2	9	1.63
(1,3470)	1:48:B:LYS:HG3	1:46:B:LEU:HD22	19	1.63
(1,3469)	1:48:A:LYS:HG3	1:46:A:LEU:HD22	19	1.63
(1,3374)	1:70:B:VAL:HG11	1:96:A:LYS:HB2	15	1.63
(1,3356)	1:77:B:VAL:HG12	1:74:B:GLU:HG3	16	1.63
(1,3336)	1:2:B:ALA:HB1	1:7:B:LYS:HA	9	1.63
(1,3335)	1:2:A:ALA:HB1	1:7:A:LYS:HA	9	1.63
(1,2766)	1:59:B:MET:H	1:61:B:ASN:HB3	1	1.63
(1,2766)	1:59:B:MET:H	1:61:B:ASN:HB3	8	1.63
(1,2765)	1:59:A:MET:H	1:61:A:ASN:HB3	8	1.63
(1,1082)	1:33:B:GLU:HG3	1:29:B:LEU:HB2	15	1.63
(1,1081)	1:33:A:GLU:HG3	1:29:A:LEU:HB2	15	1.63
(1,908)	1:94:B:PRO:HB3	1:99:B:ARG:HG3	13	1.63
(1,907)	1:94:A:PRO:HB3	1:99:A:ARG:HG3	13	1.63
(2,46)	1:59:B:MET:HG3	1:66:B:ARG:HD2	14	1.62
(2,45)	1:59:A:MET:HG3	1:66:A:ARG:HD2	14	1.62
(1,4530)	1:68:B:ASN:HD21	1:66:B:ARG:HB2	18	1.62
(1,4529)	1:68:A:ASN:HD21	1:66:A:ARG:HG2	1	1.62
(1,4529)	1:68:A:ASN:HD21	1:66:A:ARG:HB2	18	1.62
(1,3952)	1:47:B:GLY:HA2	1:46:B:LEU:HD22	19	1.62
(1,3894)	1:79:B:LEU:HD21	1:37:B:LEU:HB3	4	1.62
(1,3893)	1:79:A:LEU:HD21	1:37:A:LEU:HB3	4	1.62
(1,3860)	1:31:B:LYS:HE2	1:52:B:GLU:HA	12	1.62
(1,3797)	1:16:A:PHE:HB2	1:83:B:ALA:HB2	17	1.62
(1,3666)	1:29:B:LEU:HD12	1:18:B:LYS:HB3	20	1.62
(1,3665)	1:29:A:LEU:HD12	1:18:A:LYS:HB3	20	1.62
(1,3598)	1:96:B:LYS:HD3	1:13:A:VAL:HG12	11	1.62
(1,3563)	1:56:A:GLN:HB2	1:35:A:LYS:HG3	10	1.62
(1,3408)	1:13:B:VAL:HG21	1:79:B:LEU:HB3	19	1.62
(1,3407)	1:13:A:VAL:HG21	1:79:A:LEU:HB3	19	1.62
(1,3341)	1:2:A:ALA:HB2	1:79:B:LEU:HD12	2	1.62
(1,3341)	1:2:A:ALA:HB1	1:79:B:LEU:HD13	20	1.62
(1,2766)	1:59:B:MET:H	1:61:B:ASN:HB3	12	1.62
(1,2765)	1:59:A:MET:H	1:61:A:ASN:HB3	1	1.62
(1,2765)	1:59:A:MET:H	1:61:A:ASN:HB3	12	1.62
(1,1060)	1:88:B:GLU:HG2	1:84:B:MET:HA	2	1.62
(1,1059)	1:88:A:GLU:HG2	1:84:A:MET:HA	2	1.62
(1,812)	1:57:B:LYS:HD3	1:59:B:MET:HB2	18	1.62
(1,811)	1:57:A:LYS:HD3	1:59:A:MET:HB2	18	1.62
(1,786)	1:38:B:LEU:H	1:41:B:GLU:HB3	20	1.62
(1,785)	1:38:A:LEU:H	1:41:A:GLU:HB3	20	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,39)	1:82:A:ILE:HD11	1:6:B:GLU:HB2	11	1.62
(2,18)	1:66:B:ARG:HB2	1:63:B:ASP:HB2	16	1.61
(1,3676)	1:59:B:MET:HG2	1:31:B:LYS:HB3	17	1.61
(1,3675)	1:59:A:MET:HG2	1:31:A:LYS:HB3	17	1.61
(1,3564)	1:56:B:GLN:HB2	1:35:B:LYS:HG3	5	1.61
(1,3563)	1:56:A:GLN:HB2	1:35:A:LYS:HG3	5	1.61
(1,3563)	1:56:A:GLN:HB2	1:35:A:LYS:HG3	12	1.61
(1,3524)	1:38:B:LEU:HD21	1:45:B:PHE:HB3	18	1.61
(1,3523)	1:38:A:LEU:HD21	1:45:A:PHE:HB3	18	1.61
(1,3402)	1:70:B:VAL:HG22	1:33:B:GLU:HB2	7	1.61
(1,3401)	1:70:A:VAL:HG22	1:33:A:GLU:HB2	7	1.61
(1,3342)	1:2:B:ALA:HB2	1:79:A:LEU:HD12	2	1.61
(1,3342)	1:2:B:ALA:HB1	1:79:A:LEU:HD13	20	1.61
(1,2766)	1:59:B:MET:H	1:61:B:ASN:HB3	2	1.61
(1,2765)	1:59:A:MET:H	1:61:A:ASN:HB3	2	1.61
(1,516)	1:42:B:LEU:HD13	1:5:A:LEU:HD23	14	1.61
(2,17)	1:66:A:ARG:HB2	1:63:A:ASP:HB2	16	1.6
(1,4180)	1:60:B:SER:HB3	1:70:B:VAL:HG23	14	1.6
(1,4179)	1:60:A:SER:HB3	1:70:A:VAL:HG23	14	1.6
(1,3738)	1:33:B:GLU:HG2	1:29:B:LEU:HD11	10	1.6
(1,3737)	1:33:A:GLU:HG2	1:29:A:LEU:HD11	10	1.6
(1,3683)	1:85:A:MET:HB2	1:82:A:ILE:HD13	2	1.6
(1,3599)	1:31:A:LYS:HD2	1:32:A:SER:HB2	4	1.6
(1,3564)	1:56:B:GLN:HB2	1:35:B:LYS:HG3	12	1.6
(1,3551)	1:94:A:PRO:HG2	1:101:A:LYS:HD3	20	1.6
(1,3473)	1:5:A:LEU:HD21	1:43:B:PRO:HD2	19	1.6
(1,3430)	1:46:B:LEU:HD11	1:45:B:PHE:HA	5	1.6
(1,3429)	1:46:A:LEU:HD11	1:45:A:PHE:HA	5	1.6
(1,3374)	1:70:B:VAL:HG11	1:96:A:LYS:HB2	11	1.6
(1,3373)	1:70:A:VAL:HG11	1:96:B:LYS:HB2	11	1.6
(1,1390)	1:29:B:LEU:HB3	1:75:B:TYR:HB2	17	1.6
(1,1389)	1:29:A:LEU:HB3	1:75:A:TYR:HB2	17	1.6
(1,936)	1:98:B:PRO:HB3	1:101:B:LYS:HG2	13	1.6
(1,935)	1:98:A:PRO:HB3	1:101:A:LYS:HG2	13	1.6
(1,812)	1:57:B:LYS:HD3	1:59:B:MET:HB2	10	1.6
(1,811)	1:57:A:LYS:HD3	1:59:A:MET:HB2	10	1.6
(1,515)	1:42:A:LEU:HD13	1:5:B:LEU:HD23	14	1.6
(1,40)	1:82:B:ILE:HD11	1:6:A:GLU:HB2	11	1.6
(2,240)	1:89:B:PHE:H	1:94:B:PRO:HB2	13	1.59
(2,239)	1:89:A:PHE:H	1:94:A:PRO:HB2	13	1.59
(1,3952)	1:47:B:GLY:HA2	1:46:B:LEU:HD22	2	1.59
(1,3952)	1:47:B:GLY:HA2	1:46:B:LEU:HD23	3	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3951)	1:47:A:GLY:HA2	1:46:A:LEU:HD22	2	1.59
(1,3951)	1:47:A:GLY:HA2	1:46:A:LEU:HD23	3	1.59
(1,3914)	1:40:B:ARG:HD2	1:37:B:LEU:HD23	16	1.59
(1,3913)	1:40:A:ARG:HD2	1:37:A:LEU:HD23	16	1.59
(1,3684)	1:85:B:MET:HB2	1:82:B:ILE:HD13	2	1.59
(1,3665)	1:29:A:LEU:HD11	1:18:A:LYS:HB3	13	1.59
(1,3600)	1:31:B:LYS:HD2	1:32:B:SER:HB2	4	1.59
(1,3564)	1:56:B:GLN:HB2	1:35:B:LYS:HG3	15	1.59
(1,3563)	1:56:A:GLN:HB2	1:35:A:LYS:HG3	15	1.59
(1,3552)	1:94:B:PRO:HG2	1:101:B:LYS:HD3	20	1.59
(1,3474)	1:5:B:LEU:HD21	1:43:A:PRO:HD2	19	1.59
(1,3429)	1:46:A:LEU:HD12	1:45:A:PHE:HA	11	1.59
(1,3374)	1:70:B:VAL:HG12	1:96:A:LYS:HB3	17	1.59
(1,3340)	1:2:B:ALA:HB3	1:42:A:LEU:HD23	12	1.59
(1,3336)	1:2:B:ALA:HB1	1:7:B:LYS:HA	20	1.59
(1,3335)	1:2:A:ALA:HB1	1:7:A:LYS:HA	20	1.59
(1,2766)	1:59:B:MET:H	1:61:B:ASN:HB3	19	1.59
(1,2765)	1:59:A:MET:H	1:61:A:ASN:HB3	19	1.59
(1,2632)	1:95:B:ASP:H	1:97:B:GLN:HE22	18	1.59
(1,2631)	1:95:A:ASP:H	1:97:A:GLN:HE22	18	1.59
(1,2148)	1:29:B:LEU:H	1:34:B:LEU:HD11	17	1.59
(1,2147)	1:29:A:LEU:H	1:34:A:LEU:HD11	17	1.59
(1,1390)	1:29:B:LEU:HB3	1:75:B:TYR:HB2	3	1.59
(1,1390)	1:29:B:LEU:HB3	1:75:B:TYR:HB2	13	1.59
(1,1390)	1:29:B:LEU:HB3	1:75:B:TYR:HB2	16	1.59
(1,1389)	1:29:A:LEU:HB3	1:75:A:TYR:HB2	3	1.59
(1,1389)	1:29:A:LEU:HB3	1:75:A:TYR:HB2	13	1.59
(1,1389)	1:29:A:LEU:HB3	1:75:A:TYR:HB2	16	1.59
(1,812)	1:57:B:LYS:HD3	1:59:B:MET:HB2	7	1.59
(2,18)	1:66:B:ARG:HB2	1:63:B:ASP:HB2	11	1.58
(2,17)	1:66:A:ARG:HB2	1:63:A:ASP:HB2	11	1.58
(1,4158)	1:32:B:SER:HB2	1:33:B:GLU:HB3	15	1.58
(1,3666)	1:29:B:LEU:HD11	1:18:B:LYS:HB3	13	1.58
(1,3564)	1:56:B:GLN:HB2	1:35:B:LYS:HG3	13	1.58
(1,3564)	1:56:B:GLN:HB2	1:35:B:LYS:HG3	16	1.58
(1,3563)	1:56:A:GLN:HB2	1:35:A:LYS:HG3	13	1.58
(1,3563)	1:56:A:GLN:HB2	1:35:A:LYS:HG3	16	1.58
(1,3430)	1:46:B:LEU:HD12	1:45:B:PHE:HA	11	1.58
(1,3402)	1:70:B:VAL:HG21	1:33:B:GLU:HB2	9	1.58
(1,3401)	1:70:A:VAL:HG21	1:33:A:GLU:HB2	9	1.58
(1,3355)	1:77:A:VAL:HG11	1:74:A:GLU:HG3	17	1.58
(1,3339)	1:2:A:ALA:HB3	1:42:B:LEU:HD23	12	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1060)	1:88:B:GLU:HG2	1:84:B:MET:HA	3	1.58
(1,1059)	1:88:A:GLU:HG2	1:84:A:MET:HA	3	1.58
(1,812)	1:57:B:LYS:HD3	1:59:B:MET:HB2	5	1.58
(1,811)	1:57:A:LYS:HD3	1:59:A:MET:HB2	5	1.58
(1,811)	1:57:A:LYS:HD3	1:59:A:MET:HB2	7	1.58
(1,786)	1:38:B:LEU:H	1:41:B:GLU:HB3	5	1.58
(1,785)	1:38:A:LEU:H	1:41:A:GLU:HB3	5	1.58
(1,516)	1:42:B:LEU:HD13	1:5:A:LEU:HD21	10	1.58
(1,516)	1:42:B:LEU:HD11	1:5:A:LEU:HD22	13	1.58
(1,516)	1:42:B:LEU:HD12	1:5:A:LEU:HD22	20	1.58
(1,515)	1:42:A:LEU:HD13	1:5:B:LEU:HD21	10	1.58
(1,4158)	1:32:B:SER:HB3	1:33:B:GLU:HB3	10	1.57
(1,4157)	1:32:A:SER:HB3	1:33:A:GLU:HB3	10	1.57
(1,4157)	1:32:A:SER:HB2	1:33:A:GLU:HB3	15	1.57
(1,4150)	1:76:B:SER:HB2	1:82:A:ILE:HB	20	1.57
(1,4132)	1:20:B:SER:HB2	1:96:A:LYS:HD2	16	1.57
(1,3666)	1:29:B:LEU:HD13	1:18:B:LYS:HB3	15	1.57
(1,3665)	1:29:A:LEU:HD13	1:18:A:LYS:HB3	15	1.57
(1,3564)	1:56:B:GLN:HB2	1:35:B:LYS:HG3	20	1.57
(1,3563)	1:56:A:GLN:HB2	1:35:A:LYS:HG3	20	1.57
(1,3524)	1:38:B:LEU:HD21	1:45:B:PHE:HB2	8	1.57
(1,3523)	1:38:A:LEU:HD21	1:45:A:PHE:HB2	8	1.57
(1,3430)	1:46:B:LEU:HD13	1:45:B:PHE:HA	4	1.57
(1,3430)	1:46:B:LEU:HD13	1:45:B:PHE:HA	15	1.57
(1,3430)	1:46:B:LEU:HD12	1:45:B:PHE:HA	17	1.57
(1,3429)	1:46:A:LEU:HD13	1:45:A:PHE:HA	4	1.57
(1,3429)	1:46:A:LEU:HD13	1:45:A:PHE:HA	15	1.57
(1,3429)	1:46:A:LEU:HD12	1:45:A:PHE:HA	17	1.57
(1,1390)	1:29:B:LEU:HB3	1:75:B:TYR:HB2	9	1.57
(1,1389)	1:29:A:LEU:HB3	1:75:A:TYR:HB2	9	1.57
(1,812)	1:57:B:LYS:HD3	1:59:B:MET:HB2	6	1.57
(1,811)	1:57:A:LYS:HD3	1:59:A:MET:HB2	6	1.57
(1,786)	1:38:B:LEU:H	1:41:B:GLU:HB3	11	1.57
(1,785)	1:38:A:LEU:H	1:41:A:GLU:HB3	11	1.57
(1,706)	1:88:B:GLU:HB2	1:96:B:LYS:HG3	16	1.57
(1,705)	1:88:A:GLU:HB2	1:96:A:LYS:HG3	16	1.57
(1,516)	1:42:B:LEU:HD12	1:5:A:LEU:HD23	5	1.57
(1,515)	1:42:A:LEU:HD12	1:5:B:LEU:HD23	5	1.57
(1,515)	1:42:A:LEU:HD12	1:5:B:LEU:HD22	20	1.57
(1,372)	1:26:B:LYS:HG3	1:25:B:ASP:HB2	11	1.57
(2,18)	1:66:B:ARG:HB2	1:63:B:ASP:HB2	4	1.56
(2,17)	1:66:A:ARG:HB2	1:63:A:ASP:HB2	4	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4158)	1:32:B:SER:HB2	1:33:B:GLU:HB3	18	1.56
(1,4149)	1:76:A:SER:HB2	1:82:B:ILE:HB	20	1.56
(1,3952)	1:47:B:GLY:HA2	1:46:B:LEU:HD22	11	1.56
(1,3951)	1:47:A:GLY:HA2	1:46:A:LEU:HD22	11	1.56
(1,3914)	1:40:B:ARG:HD2	1:37:B:LEU:HD13	9	1.56
(1,3914)	1:40:B:ARG:HD2	1:37:B:LEU:HD21	13	1.56
(1,3913)	1:40:A:ARG:HD2	1:37:A:LEU:HD13	9	1.56
(1,3913)	1:40:A:ARG:HD2	1:37:A:LEU:HD21	10	1.56
(1,3913)	1:40:A:ARG:HD2	1:37:A:LEU:HD21	13	1.56
(1,3894)	1:79:B:LEU:HD21	1:37:B:LEU:HB3	16	1.56
(1,3893)	1:79:A:LEU:HD21	1:37:A:LEU:HB3	16	1.56
(1,3684)	1:85:B:MET:HB2	1:82:B:ILE:HD12	17	1.56
(1,3683)	1:85:A:MET:HB2	1:82:A:ILE:HD12	17	1.56
(1,3625)	1:43:A:PRO:HB3	1:45:A:PHE:HB2	9	1.56
(1,3524)	1:38:B:LEU:HD21	1:45:B:PHE:HB3	15	1.56
(1,3523)	1:38:A:LEU:HD21	1:45:A:PHE:HB3	15	1.56
(1,3430)	1:46:B:LEU:HD13	1:45:B:PHE:HA	3	1.56
(1,3429)	1:46:A:LEU:HD13	1:45:A:PHE:HA	3	1.56
(1,3373)	1:70:A:VAL:HG12	1:96:B:LYS:HB3	17	1.56
(1,3356)	1:77:B:VAL:HG11	1:74:B:GLU:HG3	17	1.56
(1,2766)	1:59:B:MET:H	1:61:B:ASN:HB3	3	1.56
(1,2765)	1:59:A:MET:H	1:61:A:ASN:HB3	3	1.56
(1,1520)	1:26:B:LYS:HB3	1:21:B:GLY:HA3	12	1.56
(1,786)	1:38:B:LEU:H	1:41:B:GLU:HB3	3	1.56
(1,786)	1:38:B:LEU:H	1:41:B:GLU:HB3	10	1.56
(1,785)	1:38:A:LEU:H	1:41:A:GLU:HB3	3	1.56
(1,785)	1:38:A:LEU:H	1:41:A:GLU:HB3	10	1.56
(1,516)	1:42:B:LEU:HD11	1:5:A:LEU:HD23	15	1.56
(1,515)	1:42:A:LEU:HD12	1:5:B:LEU:HD23	11	1.56
(1,515)	1:42:A:LEU:HD11	1:5:B:LEU:HD22	13	1.56
(1,515)	1:42:A:LEU:HD11	1:5:B:LEU:HD23	15	1.56
(1,515)	1:42:A:LEU:HD13	1:5:B:LEU:HD23	18	1.56
(1,371)	1:26:A:LYS:HG3	1:25:A:ASP:HB2	11	1.56
(1,40)	1:82:B:ILE:HD12	1:6:A:GLU:HB2	8	1.56
(1,39)	1:82:A:ILE:HD12	1:6:B:GLU:HB2	8	1.56
(1,4604)	1:73:B:GLN:H	1:13:B:VAL:HG13	15	1.55
(1,4195)	1:77:A:VAL:HA	1:79:A:LEU:HD13	11	1.55
(1,4158)	1:32:B:SER:HB2	1:33:B:GLU:HB3	11	1.55
(1,4157)	1:32:A:SER:HB2	1:33:A:GLU:HB3	11	1.55
(1,4157)	1:32:A:SER:HB2	1:33:A:GLU:HB3	18	1.55
(1,4131)	1:20:A:SER:HB2	1:96:B:LYS:HD2	16	1.55
(1,3914)	1:40:B:ARG:HD2	1:37:B:LEU:HD21	10	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3913)	1:40:A:ARG:HD2	1:37:A:LEU:HD21	4	1.55
(1,3626)	1:43:B:PRO:HB3	1:45:B:PHE:HB2	9	1.55
(1,3526)	1:38:B:LEU:HD23	1:19:B:TYR:HB2	6	1.55
(1,3525)	1:38:A:LEU:HD23	1:19:A:TYR:HB2	6	1.55
(1,3469)	1:48:A:LYS:HG2	1:46:A:LEU:HD21	18	1.55
(1,3355)	1:77:A:VAL:HG11	1:74:A:GLU:HG3	2	1.55
(1,1519)	1:26:A:LYS:HB3	1:21:A:GLY:HA3	12	1.55
(1,1390)	1:29:B:LEU:HB3	1:75:B:TYR:HB2	5	1.55
(1,1390)	1:29:B:LEU:HB3	1:75:B:TYR:HB2	10	1.55
(1,1389)	1:29:A:LEU:HB3	1:75:A:TYR:HB2	5	1.55
(1,811)	1:57:A:LYS:HD3	1:59:A:MET:HB2	9	1.55
(1,786)	1:38:B:LEU:H	1:41:B:GLU:HB3	18	1.55
(1,785)	1:38:A:LEU:H	1:41:A:GLU:HB3	18	1.55
(1,516)	1:42:B:LEU:HD12	1:5:A:LEU:HD23	11	1.55
(1,516)	1:42:B:LEU:HD13	1:5:A:LEU:HD23	18	1.55
(1,371)	1:26:A:LYS:HG3	1:25:A:ASP:HB2	14	1.55
(1,4603)	1:73:A:GLN:H	1:13:A:VAL:HG13	15	1.54
(1,4530)	1:68:B:ASN:HD21	1:66:B:ARG:HB2	6	1.54
(1,4196)	1:77:B:VAL:HA	1:79:B:LEU:HD13	11	1.54
(1,3914)	1:40:B:ARG:HD2	1:37:B:LEU:HD21	4	1.54
(1,3684)	1:85:B:MET:HB2	1:82:B:ILE:HD12	16	1.54
(1,3683)	1:85:A:MET:HB2	1:82:A:ILE:HD12	16	1.54
(1,3666)	1:29:B:LEU:HD12	1:18:B:LYS:HB3	1	1.54
(1,3665)	1:29:A:LEU:HD12	1:18:A:LYS:HB3	1	1.54
(1,3470)	1:48:B:LYS:HG2	1:46:B:LEU:HD21	18	1.54
(1,3421)	1:5:A:LEU:HD12	1:79:B:LEU:HD13	7	1.54
(1,3402)	1:70:B:VAL:HG21	1:31:B:LYS:HB2	5	1.54
(1,3402)	1:70:B:VAL:HG22	1:33:B:GLU:HB2	17	1.54
(1,3401)	1:70:A:VAL:HG21	1:31:A:LYS:HB2	5	1.54
(1,3401)	1:70:A:VAL:HG22	1:33:A:GLU:HB2	17	1.54
(1,3373)	1:70:A:VAL:HG13	1:96:B:LYS:HB2	2	1.54
(1,3339)	1:2:A:ALA:HB2	1:42:B:LEU:HD23	20	1.54
(1,2766)	1:59:B:MET:H	1:61:B:ASN:HB3	14	1.54
(1,2765)	1:59:A:MET:H	1:61:A:ASN:HB3	14	1.54
(1,1748)	1:88:B:GLU:HB3	1:85:B:MET:HA	17	1.54
(1,1520)	1:26:B:LYS:HB3	1:21:B:GLY:HA3	8	1.54
(1,1519)	1:26:A:LYS:HB3	1:21:A:GLY:HA3	8	1.54
(1,1390)	1:29:B:LEU:HB3	1:75:B:TYR:HB2	8	1.54
(1,1390)	1:29:B:LEU:HB3	1:75:B:TYR:HB2	11	1.54
(1,1390)	1:29:B:LEU:HB3	1:75:B:TYR:HB2	18	1.54
(1,1389)	1:29:A:LEU:HB3	1:75:A:TYR:HB2	8	1.54
(1,1389)	1:29:A:LEU:HB3	1:75:A:TYR:HB2	10	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1389)	1:29:A:LEU:HB3	1:75:A:TYR:HB2	11	1.54
(1,1389)	1:29:A:LEU:HB3	1:75:A:TYR:HB2	18	1.54
(1,1068)	1:91:B:GLU:HG3	1:90:B:PHE:HB3	16	1.54
(1,935)	1:98:A:PRO:HB3	1:101:A:LYS:HG2	3	1.54
(1,812)	1:57:B:LYS:HD3	1:59:B:MET:HB2	9	1.54
(1,786)	1:38:B:LEU:H	1:41:B:GLU:HB3	4	1.54
(1,785)	1:38:A:LEU:H	1:41:A:GLU:HB3	4	1.54
(1,372)	1:26:B:LYS:HG3	1:25:B:ASP:HB2	14	1.54
(2,18)	1:66:B:ARG:HB2	1:63:B:ASP:HB2	8	1.53
(2,18)	1:66:B:ARG:HB2	1:63:B:ASP:HB2	20	1.53
(2,17)	1:66:A:ARG:HB2	1:63:A:ASP:HB2	8	1.53
(2,17)	1:66:A:ARG:HB2	1:63:A:ASP:HB2	20	1.53
(1,4529)	1:68:A:ASN:HD21	1:66:A:ARG:HB2	6	1.53
(1,4278)	1:75:B:TYR:H	1:37:B:LEU:HD13	17	1.53
(1,4196)	1:77:B:VAL:HA	1:79:B:LEU:HD11	8	1.53
(1,4196)	1:77:B:VAL:HA	1:79:B:LEU:HD22	15	1.53
(1,4195)	1:77:A:VAL:HA	1:79:A:LEU:HD11	8	1.53
(1,4195)	1:77:A:VAL:HA	1:79:A:LEU:HD22	15	1.53
(1,4150)	1:76:B:SER:HB2	1:82:A:ILE:HB	18	1.53
(1,4149)	1:76:A:SER:HB2	1:82:B:ILE:HB	18	1.53
(1,3952)	1:47:B:GLY:HA2	1:46:B:LEU:HD22	16	1.53
(1,3810)	1:75:B:TYR:HB2	1:37:B:LEU:HD13	13	1.53
(1,3809)	1:75:A:TYR:HB2	1:37:A:LEU:HD13	13	1.53
(1,3666)	1:29:B:LEU:HD12	1:18:B:LYS:HB3	17	1.53
(1,3450)	1:18:B:LYS:HG2	1:22:B:LYS:HB3	3	1.53
(1,3422)	1:5:B:LEU:HD12	1:79:A:LEU:HD13	7	1.53
(1,3402)	1:70:B:VAL:HG21	1:33:B:GLU:HB2	16	1.53
(1,3401)	1:70:A:VAL:HG21	1:33:A:GLU:HB2	16	1.53
(1,3374)	1:70:B:VAL:HG13	1:96:A:LYS:HB2	2	1.53
(1,3356)	1:77:B:VAL:HG11	1:74:B:GLU:HG3	2	1.53
(1,3356)	1:77:B:VAL:HG12	1:74:B:GLU:HG3	19	1.53
(1,3355)	1:77:A:VAL:HG12	1:74:A:GLU:HG3	19	1.53
(1,3340)	1:2:B:ALA:HB2	1:42:A:LEU:HD23	20	1.53
(1,1747)	1:88:A:GLU:HB3	1:85:A:MET:HA	17	1.53
(1,1520)	1:26:B:LYS:HB3	1:21:B:GLY:HA3	9	1.53
(1,1519)	1:26:A:LYS:HB3	1:21:A:GLY:HA3	9	1.53
(1,1067)	1:91:A:GLU:HG3	1:90:A:PHE:HB3	16	1.53
(1,936)	1:98:B:PRO:HB3	1:101:B:LYS:HG2	3	1.53
(1,890)	1:61:B:ASN:HD21	1:57:B:LYS:HB2	20	1.53
(1,889)	1:61:A:ASN:HD21	1:57:A:LYS:HB2	20	1.53
(1,4606)	1:73:B:GLN:H	1:29:B:LEU:HD12	7	1.52
(1,4436)	1:38:B:LEU:H	1:41:B:GLU:HG3	6	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4277)	1:75:A:TYR:H	1:37:A:LEU:HD13	17	1.52
(1,3951)	1:47:A:GLY:HA2	1:46:A:LEU:HD22	16	1.52
(1,3913)	1:40:A:ARG:HD2	1:37:A:LEU:HD23	3	1.52
(1,3684)	1:85:B:MET:HB2	1:82:B:ILE:HD12	4	1.52
(1,3683)	1:85:A:MET:HB2	1:82:A:ILE:HD12	4	1.52
(1,3665)	1:29:A:LEU:HD12	1:18:A:LYS:HB3	17	1.52
(1,3449)	1:18:A:LYS:HG2	1:22:A:LYS:HB3	3	1.52
(1,3430)	1:46:B:LEU:HD12	1:45:B:PHE:HA	16	1.52
(1,3429)	1:46:A:LEU:HD12	1:45:A:PHE:HA	16	1.52
(1,3356)	1:77:B:VAL:HG11	1:74:B:GLU:HG3	12	1.52
(1,3355)	1:77:A:VAL:HG11	1:74:A:GLU:HG3	12	1.52
(1,1390)	1:29:B:LEU:HB3	1:75:B:TYR:HB2	15	1.52
(1,1389)	1:29:A:LEU:HB3	1:75:A:TYR:HB2	15	1.52
(1,935)	1:98:A:PRO:HB3	1:101:A:LYS:HG3	10	1.52
(1,786)	1:38:B:LEU:H	1:41:B:GLU:HB3	9	1.52
(1,786)	1:38:B:LEU:H	1:41:B:GLU:HB3	15	1.52
(1,786)	1:38:B:LEU:H	1:41:B:GLU:HB3	16	1.52
(1,785)	1:38:A:LEU:H	1:41:A:GLU:HB3	9	1.52
(1,516)	1:42:B:LEU:HD13	1:5:A:LEU:HD22	16	1.52
(1,515)	1:42:A:LEU:HD11	1:5:B:LEU:HD23	12	1.52
(1,515)	1:42:A:LEU:HD13	1:5:B:LEU:HD22	16	1.52
(1,4605)	1:73:A:GLN:H	1:29:A:LEU:HD12	7	1.51
(1,4530)	1:68:B:ASN:HD21	1:66:B:ARG:HB2	15	1.51
(1,4529)	1:68:A:ASN:HD21	1:66:A:ARG:HB2	15	1.51
(1,4435)	1:38:A:LEU:H	1:41:A:GLU:HG3	6	1.51
(1,4400)	1:72:B:PHE:H	1:13:B:VAL:HG13	15	1.51
(1,4399)	1:72:A:PHE:H	1:13:A:VAL:HG13	15	1.51
(1,4382)	1:10:B:ASP:H	1:79:A:LEU:HD13	6	1.51
(1,4381)	1:10:A:ASP:H	1:79:B:LEU:HD13	6	1.51
(1,3914)	1:40:B:ARG:HD2	1:37:B:LEU:HD23	3	1.51
(1,3860)	1:31:B:LYS:HE3	1:60:B:SER:HA	1	1.51
(1,3684)	1:85:B:MET:HB2	1:82:B:ILE:HD11	5	1.51
(1,3683)	1:85:A:MET:HB2	1:82:A:ILE:HD11	5	1.51
(1,3626)	1:43:B:PRO:HB3	1:45:B:PHE:HB3	7	1.51
(1,3625)	1:43:A:PRO:HB3	1:45:A:PHE:HB3	7	1.51
(1,3585)	1:88:A:GLU:HB2	1:91:A:GLU:HB3	4	1.51
(1,3552)	1:94:B:PRO:HG2	1:100:B:LYS:HD2	17	1.51
(1,3551)	1:94:A:PRO:HG2	1:100:A:LYS:HD2	17	1.51
(1,3474)	1:5:B:LEU:HD21	1:43:A:PRO:HD2	10	1.51
(1,3473)	1:5:A:LEU:HD21	1:43:B:PRO:HD2	10	1.51
(1,3402)	1:70:B:VAL:HG21	1:33:B:GLU:HB2	13	1.51
(1,3401)	1:70:A:VAL:HG21	1:33:A:GLU:HB2	13	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2766)	1:59:B:MET:H	1:61:B:ASN:HB3	13	1.51
(1,2765)	1:59:A:MET:H	1:61:A:ASN:HB3	13	1.51
(1,1520)	1:26:B:LYS:HB3	1:21:B:GLY:HA3	10	1.51
(1,1390)	1:29:B:LEU:HB3	1:75:B:TYR:HB2	2	1.51
(1,1389)	1:29:A:LEU:HB3	1:75:A:TYR:HB2	2	1.51
(1,936)	1:98:B:PRO:HB3	1:101:B:LYS:HG3	10	1.51
(1,786)	1:38:B:LEU:H	1:41:B:GLU:HB3	12	1.51
(1,785)	1:38:A:LEU:H	1:41:A:GLU:HB3	12	1.51
(1,785)	1:38:A:LEU:H	1:41:A:GLU:HB3	15	1.51
(1,785)	1:38:A:LEU:H	1:41:A:GLU:HB3	16	1.51
(1,516)	1:42:B:LEU:HD11	1:5:A:LEU:HD23	12	1.51
(2,18)	1:66:B:ARG:HB2	1:63:B:ASP:HB2	3	1.5
(2,17)	1:66:A:ARG:HB2	1:63:A:ASP:HB2	3	1.5
(1,4606)	1:73:B:GLN:H	1:29:B:LEU:HD11	4	1.5
(1,4606)	1:73:B:GLN:H	1:29:B:LEU:HD12	19	1.5
(1,4605)	1:73:A:GLN:H	1:29:A:LEU:HD11	4	1.5
(1,4550)	1:60:B:SER:H	1:34:B:LEU:HD22	3	1.5
(1,4549)	1:60:A:SER:H	1:34:A:LEU:HD22	3	1.5
(1,4530)	1:68:B:ASN:HD21	1:66:B:ARG:HB2	7	1.5
(1,4529)	1:68:A:ASN:HD21	1:66:A:ARG:HB2	7	1.5
(1,4150)	1:76:B:SER:HB2	1:82:A:ILE:HB	7	1.5
(1,4076)	1:37:B:LEU:HD22	1:40:B:ARG:HA	9	1.5
(1,4075)	1:37:A:LEU:HD22	1:40:A:ARG:HA	9	1.5
(1,3860)	1:31:B:LYS:HE2	1:52:B:GLU:HA	17	1.5
(1,3859)	1:31:A:LYS:HE3	1:60:A:SER:HA	1	1.5
(1,3859)	1:31:A:LYS:HE2	1:52:A:GLU:HA	17	1.5
(1,3666)	1:29:B:LEU:HD13	1:18:B:LYS:HB3	7	1.5
(1,3665)	1:29:A:LEU:HD13	1:18:A:LYS:HB3	7	1.5
(1,3586)	1:88:B:GLU:HB2	1:91:B:GLU:HB3	4	1.5
(1,3450)	1:18:B:LYS:HG2	1:36:B:GLU:HB2	20	1.5
(1,3449)	1:18:A:LYS:HG2	1:36:A:GLU:HB2	20	1.5
(1,1748)	1:88:B:GLU:HB3	1:85:B:MET:HA	1	1.5
(1,1747)	1:88:A:GLU:HB3	1:85:A:MET:HA	1	1.5
(1,1519)	1:26:A:LYS:HB3	1:21:A:GLY:HA3	10	1.5
(1,812)	1:57:B:LYS:HD3	1:59:B:MET:HB2	13	1.5
(1,811)	1:57:A:LYS:HD3	1:59:A:MET:HB2	13	1.5
(1,182)	1:50:B:THR:HG23	1:48:B:LYS:HB3	8	1.5
(1,182)	1:50:B:THR:HG21	1:48:B:LYS:HB3	11	1.5
(1,181)	1:50:A:THR:HG23	1:48:A:LYS:HB3	8	1.5
(1,181)	1:50:A:THR:HG21	1:48:A:LYS:HB3	11	1.5
(1,4605)	1:73:A:GLN:H	1:29:A:LEU:HD12	19	1.49
(1,4550)	1:60:B:SER:H	1:34:B:LEU:HD21	7	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4550)	1:60:B:SER:H	1:34:B:LEU:HD23	19	1.49
(1,4549)	1:60:A:SER:H	1:34:A:LEU:HD21	7	1.49
(1,4549)	1:60:A:SER:H	1:34:A:LEU:HD23	19	1.49
(1,4536)	1:41:B:GLU:H	1:79:B:LEU:HD21	4	1.49
(1,4535)	1:41:A:GLU:H	1:79:A:LEU:HD21	4	1.49
(1,4436)	1:38:B:LEU:H	1:41:B:GLU:HG3	19	1.49
(1,4435)	1:38:A:LEU:H	1:41:A:GLU:HG3	19	1.49
(1,3770)	1:16:B:PHE:HB2	1:87:A:ASN:HB2	3	1.49
(1,3769)	1:16:A:PHE:HB2	1:87:B:ASN:HB2	3	1.49
(1,3600)	1:31:B:LYS:HD3	1:60:B:SER:HB2	19	1.49
(1,3599)	1:31:A:LYS:HD3	1:60:A:SER:HB2	19	1.49
(1,3524)	1:38:B:LEU:HD21	1:45:B:PHE:HB3	2	1.49
(1,3524)	1:38:B:LEU:HD21	1:45:B:PHE:HB3	3	1.49
(1,3523)	1:38:A:LEU:HD21	1:45:A:PHE:HB3	2	1.49
(1,3523)	1:38:A:LEU:HD21	1:45:A:PHE:HB3	3	1.49
(1,3430)	1:46:B:LEU:HD12	1:45:B:PHE:HA	2	1.49
(1,3429)	1:46:A:LEU:HD12	1:45:A:PHE:HA	2	1.49
(1,3336)	1:2:B:ALA:HB1	1:7:B:LYS:HA	16	1.49
(1,3335)	1:2:A:ALA:HB1	1:7:A:LYS:HA	16	1.49
(1,2631)	1:95:A:ASP:H	1:97:A:GLN:HE22	1	1.49
(1,1519)	1:26:A:LYS:HB3	1:21:A:GLY:HA3	7	1.49
(1,1476)	1:42:B:LEU:HB3	1:39:B:THR:H	11	1.49
(1,908)	1:94:B:PRO:HB3	1:99:B:ARG:HG2	2	1.49
(1,908)	1:94:B:PRO:HB3	1:99:B:ARG:HG3	3	1.49
(1,907)	1:94:A:PRO:HB3	1:99:A:ARG:HG2	2	1.49
(1,907)	1:94:A:PRO:HB3	1:99:A:ARG:HG3	3	1.49
(1,516)	1:42:B:LEU:HD11	1:5:A:LEU:HD22	17	1.49
(1,182)	1:50:B:THR:HG21	1:48:B:LYS:HB3	9	1.49
(1,181)	1:50:A:THR:HG21	1:48:A:LYS:HB3	9	1.49
(2,94)	1:61:B:ASN:HA	1:63:B:ASP:HB2	16	1.48
(2,93)	1:61:A:ASN:HA	1:63:A:ASP:HB2	16	1.48
(1,4278)	1:75:B:TYR:H	1:34:B:LEU:HD11	5	1.48
(1,4277)	1:75:A:TYR:H	1:34:A:LEU:HD11	5	1.48
(1,4196)	1:77:B:VAL:HA	1:79:B:LEU:HD12	13	1.48
(1,4196)	1:77:B:VAL:HA	1:79:B:LEU:HD12	19	1.48
(1,4195)	1:77:A:VAL:HA	1:79:A:LEU:HD12	13	1.48
(1,4195)	1:77:A:VAL:HA	1:79:A:LEU:HD12	19	1.48
(1,4150)	1:76:B:SER:HB2	1:82:A:ILE:HB	16	1.48
(1,4149)	1:76:A:SER:HB2	1:82:B:ILE:HB	7	1.48
(1,3860)	1:31:B:LYS:HE3	1:53:B:ALA:HA	20	1.48
(1,3859)	1:31:A:LYS:HE3	1:53:A:ALA:HA	20	1.48
(1,3550)	1:37:B:LEU:HD12	1:18:B:LYS:HB3	5	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3549)	1:37:A:LEU:HD12	1:18:A:LYS:HB3	5	1.48
(1,3470)	1:48:B:LYS:HG2	1:46:B:LEU:HD22	12	1.48
(1,3469)	1:48:A:LYS:HG2	1:46:A:LEU:HD22	12	1.48
(1,2632)	1:95:B:ASP:H	1:97:B:GLN:HE22	1	1.48
(1,2632)	1:95:B:ASP:H	1:97:B:GLN:HE22	10	1.48
(1,2631)	1:95:A:ASP:H	1:97:A:GLN:HE22	10	1.48
(1,1748)	1:88:B:GLU:HB3	1:85:B:MET:HA	19	1.48
(1,1747)	1:88:A:GLU:HB3	1:85:A:MET:HA	19	1.48
(1,1520)	1:26:B:LYS:HB3	1:21:B:GLY:HA3	7	1.48
(1,1475)	1:42:A:LEU:HB3	1:39:A:THR:H	11	1.48
(1,786)	1:38:B:LEU:H	1:41:B:GLU:HB3	1	1.48
(1,785)	1:38:A:LEU:H	1:41:A:GLU:HB3	1	1.48
(1,785)	1:38:A:LEU:H	1:41:A:GLU:HB3	13	1.48
(1,516)	1:42:B:LEU:HD12	1:5:A:LEU:HD23	4	1.48
(1,516)	1:42:B:LEU:HD13	1:5:A:LEU:HD21	8	1.48
(1,515)	1:42:A:LEU:HD12	1:5:B:LEU:HD23	4	1.48
(1,515)	1:42:A:LEU:HD13	1:5:B:LEU:HD21	8	1.48
(2,68)	1:59:B:MET:HB3	1:34:B:LEU:HB3	16	1.47
(2,67)	1:59:A:MET:HB3	1:34:A:LEU:HB3	16	1.47
(2,18)	1:66:B:ARG:HB2	1:63:B:ASP:HB2	2	1.47
(2,17)	1:66:A:ARG:HB2	1:63:A:ASP:HB2	2	1.47
(1,4388)	1:76:B:SER:H	1:13:B:VAL:HG12	14	1.47
(1,4388)	1:76:B:SER:H	1:13:B:VAL:HG11	18	1.47
(1,4387)	1:76:A:SER:H	1:13:A:VAL:HG11	18	1.47
(1,4278)	1:75:B:TYR:H	1:34:B:LEU:HD12	20	1.47
(1,4277)	1:75:A:TYR:H	1:34:A:LEU:HD12	20	1.47
(1,4196)	1:77:B:VAL:HA	1:79:B:LEU:HD11	20	1.47
(1,4195)	1:77:A:VAL:HA	1:79:A:LEU:HD11	20	1.47
(1,4149)	1:76:A:SER:HB2	1:82:B:ILE:HB	16	1.47
(1,3600)	1:31:B:LYS:HD3	1:32:B:SER:HB2	16	1.47
(1,3599)	1:31:A:LYS:HD3	1:32:A:SER:HB2	16	1.47
(1,3598)	1:96:B:LYS:HD3	1:13:A:VAL:HG13	16	1.47
(1,3526)	1:38:B:LEU:HD23	1:19:B:TYR:HB2	14	1.47
(1,3525)	1:38:A:LEU:HD23	1:19:A:TYR:HB2	14	1.47
(1,3524)	1:38:B:LEU:HD21	1:45:B:PHE:HB3	4	1.47
(1,3523)	1:38:A:LEU:HD21	1:45:A:PHE:HB3	4	1.47
(1,3402)	1:70:B:VAL:HG22	1:33:B:GLU:HB2	14	1.47
(1,3401)	1:70:A:VAL:HG22	1:33:A:GLU:HB2	14	1.47
(1,3336)	1:2:B:ALA:HB1	1:7:B:LYS:HA	4	1.47
(1,2631)	1:95:A:ASP:H	1:97:A:GLN:HE22	17	1.47
(1,1520)	1:26:B:LYS:HB3	1:21:B:GLY:HA3	15	1.47
(1,1519)	1:26:A:LYS:HB3	1:21:A:GLY:HA3	15	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1476)	1:42:B:LEU:HB3	1:39:B:THR:H	16	1.47
(1,1475)	1:42:A:LEU:HB3	1:39:A:THR:H	16	1.47
(1,1475)	1:42:A:LEU:HB3	1:39:A:THR:H	20	1.47
(1,1448)	1:29:B:LEU:HB2	1:33:B:GLU:HB3	15	1.47
(1,1447)	1:29:A:LEU:HB2	1:33:A:GLU:HB3	15	1.47
(1,1390)	1:29:B:LEU:HB3	1:75:B:TYR:HB2	1	1.47
(1,1389)	1:29:A:LEU:HB3	1:75:A:TYR:HB2	1	1.47
(1,936)	1:98:B:PRO:HB3	1:101:B:LYS:HG3	19	1.47
(1,935)	1:98:A:PRO:HB3	1:101:A:LYS:HG3	19	1.47
(1,786)	1:38:B:LEU:H	1:41:B:GLU:HB3	13	1.47
(1,786)	1:38:B:LEU:H	1:41:B:GLU:HB3	19	1.47
(1,785)	1:38:A:LEU:H	1:41:A:GLU:HB3	19	1.47
(1,516)	1:42:B:LEU:HD13	1:5:A:LEU:HD21	3	1.47
(1,515)	1:42:A:LEU:HD11	1:5:B:LEU:HD22	17	1.47
(1,182)	1:50:B:THR:HG23	1:48:B:LYS:HB3	7	1.47
(1,181)	1:50:A:THR:HG23	1:48:A:LYS:HB3	7	1.47
(2,18)	1:66:B:ARG:HB2	1:63:B:ASP:HB2	5	1.46
(2,18)	1:66:B:ARG:HB2	1:63:B:ASP:HB2	9	1.46
(2,17)	1:66:A:ARG:HB2	1:63:A:ASP:HB2	9	1.46
(1,4536)	1:41:B:GLU:H	1:79:B:LEU:HD22	8	1.46
(1,4535)	1:41:A:GLU:H	1:79:A:LEU:HD22	8	1.46
(1,4387)	1:76:A:SER:H	1:13:A:VAL:HG12	14	1.46
(1,4326)	1:42:B:LEU:H	1:79:B:LEU:HD23	7	1.46
(1,4325)	1:42:A:LEU:H	1:79:A:LEU:HD23	7	1.46
(1,4196)	1:77:B:VAL:HA	1:79:B:LEU:HD11	9	1.46
(1,4195)	1:77:A:VAL:HA	1:79:A:LEU:HD11	9	1.46
(1,4076)	1:37:B:LEU:HD23	1:40:B:ARG:HA	3	1.46
(1,4075)	1:37:A:LEU:HD23	1:40:A:ARG:HA	3	1.46
(1,3952)	1:47:B:GLY:HA2	1:46:B:LEU:HD21	4	1.46
(1,3951)	1:47:A:GLY:HA2	1:46:A:LEU:HD21	4	1.46
(1,3894)	1:79:B:LEU:HD23	1:37:B:LEU:HB3	9	1.46
(1,3893)	1:79:A:LEU:HD23	1:37:A:LEU:HB3	9	1.46
(1,3696)	1:56:B:GLN:HG3	1:55:B:PHE:HB3	11	1.46
(1,3695)	1:56:A:GLN:HG3	1:55:A:PHE:HB3	11	1.46
(1,3597)	1:96:A:LYS:HD3	1:13:B:VAL:HG13	16	1.46
(1,3402)	1:70:B:VAL:HG21	1:33:B:GLU:HB2	8	1.46
(1,3401)	1:70:A:VAL:HG21	1:33:A:GLU:HB2	8	1.46
(1,3335)	1:2:A:ALA:HB1	1:7:A:LYS:HA	4	1.46
(1,3124)	1:73:B:GLN:HE22	1:78:B:PHE:HB2	9	1.46
(1,2632)	1:95:B:ASP:H	1:97:B:GLN:HE22	17	1.46
(1,1476)	1:42:B:LEU:HB3	1:39:B:THR:H	18	1.46
(1,1476)	1:42:B:LEU:HB3	1:39:B:THR:H	20	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1475)	1:42:A:LEU:HB3	1:39:A:THR:H	18	1.46
(1,515)	1:42:A:LEU:HD13	1:5:B:LEU:HD21	3	1.46
(1,182)	1:50:B:THR:HG21	1:48:B:LYS:HB3	3	1.46
(1,181)	1:50:A:THR:HG21	1:48:A:LYS:HB3	3	1.46
(2,94)	1:61:B:ASN:HA	1:63:B:ASP:HB2	10	1.45
(2,93)	1:61:A:ASN:HA	1:63:A:ASP:HB2	10	1.45
(2,18)	1:66:B:ARG:HB2	1:63:B:ASP:HB2	18	1.45
(2,17)	1:66:A:ARG:HB2	1:63:A:ASP:HB2	5	1.45
(2,17)	1:66:A:ARG:HB2	1:63:A:ASP:HB2	18	1.45
(1,4536)	1:41:B:GLU:H	1:79:B:LEU:HD23	10	1.45
(1,4535)	1:41:A:GLU:H	1:79:A:LEU:HD23	10	1.45
(1,4530)	1:68:B:ASN:HD21	1:66:B:ARG:HB2	12	1.45
(1,4529)	1:68:A:ASN:HD21	1:66:A:ARG:HB2	12	1.45
(1,4392)	1:7:B:LYS:H	1:42:A:LEU:HD23	5	1.45
(1,4391)	1:7:A:LYS:H	1:42:B:LEU:HD23	5	1.45
(1,4370)	1:95:B:ASP:H	1:27:A:PHE:HB2	10	1.45
(1,4369)	1:95:A:ASP:H	1:27:B:PHE:HB2	10	1.45
(1,4278)	1:75:B:TYR:H	1:34:B:LEU:HD12	7	1.45
(1,4277)	1:75:A:TYR:H	1:34:A:LEU:HD12	7	1.45
(1,3666)	1:29:B:LEU:HD13	1:18:B:LYS:HB3	10	1.45
(1,3552)	1:94:B:PRO:HG2	1:101:B:LYS:HD2	19	1.45
(1,3551)	1:94:A:PRO:HG2	1:101:A:LYS:HD2	19	1.45
(1,3524)	1:38:B:LEU:HD22	1:45:B:PHE:HB3	13	1.45
(1,3523)	1:38:A:LEU:HD22	1:45:A:PHE:HB3	13	1.45
(1,3402)	1:70:B:VAL:HG21	1:33:B:GLU:HB2	2	1.45
(1,3401)	1:70:A:VAL:HG21	1:33:A:GLU:HB2	2	1.45
(1,3336)	1:2:B:ALA:HB3	1:7:B:LYS:HA	19	1.45
(1,3335)	1:2:A:ALA:HB3	1:7:A:LYS:HA	19	1.45
(1,3123)	1:73:A:GLN:HE22	1:78:A:PHE:HB2	9	1.45
(1,2148)	1:29:B:LEU:H	1:34:B:LEU:HD13	16	1.45
(1,2147)	1:29:A:LEU:H	1:34:A:LEU:HD13	16	1.45
(1,1476)	1:42:B:LEU:HB3	1:39:B:THR:H	15	1.45
(1,1475)	1:42:A:LEU:HB3	1:39:A:THR:H	15	1.45
(1,1067)	1:91:A:GLU:HG3	1:90:A:PHE:HB3	4	1.45
(1,786)	1:38:B:LEU:H	1:41:B:GLU:HB3	6	1.45
(1,785)	1:38:A:LEU:H	1:41:A:GLU:HB3	6	1.45
(1,4536)	1:41:B:GLU:H	1:79:B:LEU:HD21	17	1.44
(1,4535)	1:41:A:GLU:H	1:79:A:LEU:HD21	17	1.44
(1,4530)	1:68:B:ASN:HD21	1:66:B:ARG:HB2	2	1.44
(1,4529)	1:68:A:ASN:HD21	1:66:A:ARG:HB2	2	1.44
(1,4436)	1:38:B:LEU:H	1:41:B:GLU:HG3	7	1.44
(1,4435)	1:38:A:LEU:H	1:41:A:GLU:HG3	7	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3951)	1:47:A:GLY:HA2	1:46:A:LEU:HD23	8	1.44
(1,3914)	1:40:B:ARG:HD2	1:37:B:LEU:HD23	15	1.44
(1,3913)	1:40:A:ARG:HD2	1:37:A:LEU:HD23	15	1.44
(1,3860)	1:31:B:LYS:HE3	1:53:B:ALA:HA	10	1.44
(1,3859)	1:31:A:LYS:HE3	1:53:A:ALA:HA	10	1.44
(1,3810)	1:75:B:TYR:HB2	1:70:B:VAL:HG22	10	1.44
(1,3809)	1:75:A:TYR:HB2	1:70:A:VAL:HG22	10	1.44
(1,3676)	1:59:B:MET:HG2	1:31:B:LYS:HB3	1	1.44
(1,3665)	1:29:A:LEU:HD13	1:18:A:LYS:HB3	10	1.44
(1,3636)	1:33:B:GLU:HB3	1:34:B:LEU:HB2	17	1.44
(1,3564)	1:56:B:GLN:HB2	1:35:B:LYS:HG3	6	1.44
(1,3564)	1:56:B:GLN:HB2	1:35:B:LYS:HG3	14	1.44
(1,3563)	1:56:A:GLN:HB2	1:35:A:LYS:HG3	6	1.44
(1,3563)	1:56:A:GLN:HB2	1:35:A:LYS:HG3	14	1.44
(1,3524)	1:38:B:LEU:HD22	1:45:B:PHE:HB3	5	1.44
(1,3523)	1:38:A:LEU:HD22	1:45:A:PHE:HB3	5	1.44
(1,3470)	1:48:B:LYS:HG2	1:46:B:LEU:HD21	6	1.44
(1,3469)	1:48:A:LYS:HG2	1:46:A:LEU:HD21	6	1.44
(1,3340)	1:2:B:ALA:HB2	1:37:A:LEU:HD22	11	1.44
(1,2056)	1:77:B:VAL:HA	1:73:B:GLN:HG3	9	1.44
(1,2055)	1:77:A:VAL:HA	1:73:A:GLN:HG3	9	1.44
(1,1520)	1:26:B:LYS:HB3	1:21:B:GLY:HA3	16	1.44
(1,1520)	1:26:B:LYS:HB3	1:21:B:GLY:HA3	17	1.44
(1,1519)	1:26:A:LYS:HB3	1:21:A:GLY:HA3	16	1.44
(1,1519)	1:26:A:LYS:HB3	1:21:A:GLY:HA3	17	1.44
(1,1456)	1:29:B:LEU:HB3	1:70:B:VAL:HG13	20	1.44
(1,1455)	1:29:A:LEU:HB3	1:70:A:VAL:HG13	20	1.44
(1,1068)	1:91:B:GLU:HG3	1:90:B:PHE:HB3	4	1.44
(1,706)	1:88:B:GLU:HB2	1:96:B:LYS:HG3	2	1.44
(1,705)	1:88:A:GLU:HB2	1:96:A:LYS:HG3	2	1.44
(2,286)	1:65:B:ASN:HD21	1:68:B:ASN:HD21	13	1.43
(2,285)	1:65:A:ASN:HD21	1:68:A:ASN:HD21	13	1.43
(2,18)	1:66:B:ARG:HB2	1:63:B:ASP:HB2	14	1.43
(2,17)	1:66:A:ARG:HB2	1:63:A:ASP:HB2	14	1.43
(1,4618)	1:97:B:GLN:HE22	1:96:B:LYS:HB2	11	1.43
(1,4617)	1:97:A:GLN:HE22	1:96:A:LYS:HB2	11	1.43
(1,4604)	1:73:B:GLN:H	1:13:B:VAL:HG12	8	1.43
(1,4550)	1:60:B:SER:H	1:34:B:LEU:HD23	15	1.43
(1,4196)	1:77:B:VAL:HA	1:79:B:LEU:HD11	12	1.43
(1,4195)	1:77:A:VAL:HA	1:79:A:LEU:HD11	12	1.43
(1,4138)	1:31:B:LYS:HA	1:29:B:LEU:HD12	14	1.43
(1,4137)	1:31:A:LYS:HA	1:29:A:LEU:HD13	11	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4137)	1:31:A:LYS:HA	1:29:A:LEU:HD12	14	1.43
(1,4076)	1:37:B:LEU:HD22	1:40:B:ARG:HA	7	1.43
(1,4075)	1:37:A:LEU:HD22	1:40:A:ARG:HA	7	1.43
(1,4075)	1:37:A:LEU:HD23	1:40:A:ARG:HA	18	1.43
(1,3952)	1:47:B:GLY:HA2	1:46:B:LEU:HD23	8	1.43
(1,3914)	1:40:B:ARG:HD2	1:37:B:LEU:HD22	5	1.43
(1,3913)	1:40:A:ARG:HD2	1:37:A:LEU:HD22	5	1.43
(1,3820)	1:77:B:VAL:HG22	1:79:B:LEU:HB2	6	1.43
(1,3708)	1:42:B:LEU:HG	1:41:B:GLU:HG3	7	1.43
(1,3707)	1:42:A:LEU:HG	1:41:A:GLU:HG3	7	1.43
(1,3696)	1:56:B:GLN:HG3	1:55:B:PHE:HB3	17	1.43
(1,3676)	1:59:B:MET:HG2	1:31:B:LYS:HB3	16	1.43
(1,3675)	1:59:A:MET:HG2	1:31:A:LYS:HB3	1	1.43
(1,3675)	1:59:A:MET:HG2	1:31:A:LYS:HB3	16	1.43
(1,3635)	1:33:A:GLU:HB3	1:34:A:LEU:HB2	17	1.43
(1,3526)	1:38:B:LEU:HD22	1:19:B:TYR:HB2	5	1.43
(1,3525)	1:38:A:LEU:HD22	1:19:A:TYR:HB2	5	1.43
(1,3474)	1:5:B:LEU:HD21	1:43:A:PRO:HD2	3	1.43
(1,3422)	1:5:B:LEU:HD12	1:79:A:LEU:HD11	1	1.43
(1,3421)	1:5:A:LEU:HD12	1:79:B:LEU:HD11	1	1.43
(1,3339)	1:2:A:ALA:HB2	1:37:B:LEU:HD22	11	1.43
(1,2556)	1:27:B:PHE:H	1:21:B:GLY:HA3	8	1.43
(1,2555)	1:27:A:PHE:H	1:21:A:GLY:HA3	8	1.43
(1,1748)	1:88:B:GLU:HB3	1:85:B:MET:HA	14	1.43
(1,1610)	1:25:B:ASP:HB2	1:28:B:LYS:HA	2	1.43
(1,1609)	1:25:A:ASP:HB2	1:28:A:LYS:HA	2	1.43
(1,706)	1:88:B:GLU:HB2	1:96:B:LYS:HG3	17	1.43
(1,705)	1:88:A:GLU:HB2	1:96:A:LYS:HG3	17	1.43
(1,182)	1:50:B:THR:HG22	1:48:B:LYS:HB3	2	1.43
(1,181)	1:50:A:THR:HG22	1:48:A:LYS:HB3	2	1.43
(2,94)	1:61:B:ASN:HA	1:63:B:ASP:HB2	1	1.42
(2,94)	1:61:B:ASN:HA	1:63:B:ASP:HB2	18	1.42
(2,93)	1:61:A:ASN:HA	1:63:A:ASP:HB2	1	1.42
(1,4603)	1:73:A:GLN:H	1:13:A:VAL:HG12	8	1.42
(1,4550)	1:60:B:SER:H	1:34:B:LEU:HD21	6	1.42
(1,4549)	1:60:A:SER:H	1:34:A:LEU:HD21	6	1.42
(1,4549)	1:60:A:SER:H	1:34:A:LEU:HD23	15	1.42
(1,4536)	1:41:B:GLU:H	1:79:B:LEU:HD22	6	1.42
(1,4536)	1:41:B:GLU:H	1:79:B:LEU:HD23	7	1.42
(1,4535)	1:41:A:GLU:H	1:79:A:LEU:HD22	6	1.42
(1,4535)	1:41:A:GLU:H	1:79:A:LEU:HD23	7	1.42
(1,4530)	1:68:B:ASN:HD21	1:66:B:ARG:HB2	17	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4529)	1:68:A:ASN:HD21	1:66:A:ARG:HB2	17	1.42
(1,4436)	1:38:B:LEU:H	1:41:B:GLU:HG3	13	1.42
(1,4435)	1:38:A:LEU:H	1:41:A:GLU:HG3	13	1.42
(1,4284)	1:3:B:SER:H	1:37:A:LEU:HD23	8	1.42
(1,4283)	1:3:A:SER:H	1:37:B:LEU:HD23	8	1.42
(1,4278)	1:75:B:TYR:H	1:34:B:LEU:HD12	9	1.42
(1,4278)	1:75:B:TYR:H	1:34:B:LEU:HD13	12	1.42
(1,4277)	1:75:A:TYR:H	1:34:A:LEU:HD12	9	1.42
(1,4138)	1:31:B:LYS:HA	1:29:B:LEU:HD13	11	1.42
(1,4138)	1:31:B:LYS:HA	1:29:B:LEU:HD13	17	1.42
(1,4137)	1:31:A:LYS:HA	1:29:A:LEU:HD13	17	1.42
(1,4076)	1:37:B:LEU:HD23	1:40:B:ARG:HA	18	1.42
(1,3951)	1:47:A:GLY:HA2	1:46:A:LEU:HD23	7	1.42
(1,3894)	1:79:B:LEU:HD21	1:37:B:LEU:HB3	18	1.42
(1,3893)	1:79:A:LEU:HD21	1:37:A:LEU:HB3	18	1.42
(1,3890)	1:7:B:LYS:HE3	1:38:A:LEU:HD11	4	1.42
(1,3890)	1:48:B:LYS:HE2	1:46:B:LEU:HD21	6	1.42
(1,3889)	1:48:A:LYS:HE2	1:46:A:LEU:HD21	6	1.42
(1,3819)	1:77:A:VAL:HG22	1:79:A:LEU:HB2	6	1.42
(1,3695)	1:56:A:GLN:HG3	1:55:A:PHE:HB3	17	1.42
(1,3666)	1:29:B:LEU:HD13	1:18:B:LYS:HB3	2	1.42
(1,3665)	1:29:A:LEU:HD13	1:18:A:LYS:HB3	2	1.42
(1,3564)	1:56:B:GLN:HB2	1:35:B:LYS:HG3	4	1.42
(1,3563)	1:56:A:GLN:HB2	1:35:A:LYS:HG3	4	1.42
(1,3473)	1:5:A:LEU:HD21	1:43:B:PRO:HD2	3	1.42
(1,3374)	1:70:B:VAL:HG12	1:96:A:LYS:HB2	3	1.42
(1,3373)	1:70:A:VAL:HG12	1:96:B:LYS:HB2	3	1.42
(1,3340)	1:2:B:ALA:HB1	1:42:A:LEU:HD21	15	1.42
(1,2556)	1:27:B:PHE:H	1:21:B:GLY:HA3	2	1.42
(1,2206)	1:77:B:VAL:H	1:82:B:ILE:HD11	20	1.42
(1,2205)	1:77:A:VAL:H	1:82:A:ILE:HD11	20	1.42
(1,1747)	1:88:A:GLU:HB3	1:85:A:MET:HA	14	1.42
(1,1456)	1:29:B:LEU:HB3	1:70:B:VAL:HG13	3	1.42
(1,1455)	1:29:A:LEU:HB3	1:70:A:VAL:HG13	3	1.42
(1,1448)	1:29:B:LEU:HB2	1:33:B:GLU:HB3	10	1.42
(1,1447)	1:29:A:LEU:HB2	1:33:A:GLU:HB3	10	1.42
(2,93)	1:61:A:ASN:HA	1:63:A:ASP:HB2	18	1.41
(2,18)	1:66:B:ARG:HB2	1:63:B:ASP:HB2	6	1.41
(2,17)	1:66:A:ARG:HB2	1:63:A:ASP:HB2	6	1.41
(1,4550)	1:60:B:SER:H	1:34:B:LEU:HD22	8	1.41
(1,4549)	1:60:A:SER:H	1:34:A:LEU:HD22	8	1.41
(1,4535)	1:41:A:GLU:H	1:79:A:LEU:HD23	2	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4277)	1:75:A:TYR:H	1:34:A:LEU:HD13	12	1.41
(1,4196)	1:77:B:VAL:HA	1:79:B:LEU:HD21	10	1.41
(1,4195)	1:77:A:VAL:HA	1:79:A:LEU:HD21	10	1.41
(1,4138)	1:31:B:LYS:HA	1:29:B:LEU:HD13	12	1.41
(1,4137)	1:31:A:LYS:HA	1:29:A:LEU:HD13	12	1.41
(1,3952)	1:47:B:GLY:HA2	1:46:B:LEU:HD23	7	1.41
(1,3952)	1:47:B:GLY:HA2	1:46:B:LEU:HD21	17	1.41
(1,3951)	1:47:A:GLY:HA2	1:46:A:LEU:HD22	6	1.41
(1,3951)	1:47:A:GLY:HA2	1:46:A:LEU:HD21	17	1.41
(1,3732)	1:69:B:GLU:HB3	1:29:B:LEU:HD12	19	1.41
(1,3626)	1:43:B:PRO:HB3	1:45:B:PHE:HB2	8	1.41
(1,3625)	1:43:A:PRO:HB3	1:45:A:PHE:HB2	8	1.41
(1,3526)	1:38:B:LEU:HD22	1:19:B:TYR:HB2	10	1.41
(1,3526)	1:38:B:LEU:HD21	1:19:B:TYR:HB2	17	1.41
(1,3525)	1:38:A:LEU:HD22	1:19:A:TYR:HB2	10	1.41
(1,3525)	1:38:A:LEU:HD21	1:19:A:TYR:HB2	17	1.41
(1,3339)	1:2:A:ALA:HB1	1:42:B:LEU:HD21	15	1.41
(1,2555)	1:27:A:PHE:H	1:21:A:GLY:HA3	2	1.41
(1,1748)	1:88:B:GLU:HB3	1:85:B:MET:HA	4	1.41
(1,1747)	1:88:A:GLU:HB3	1:85:A:MET:HA	4	1.41
(1,1747)	1:88:A:GLU:HB3	1:85:A:MET:HA	10	1.41
(1,1524)	1:47:B:GLY:HA3	1:48:B:LYS:HB3	13	1.41
(1,1390)	1:29:B:LEU:HB3	1:75:B:TYR:HB2	19	1.41
(1,1389)	1:29:A:LEU:HB3	1:75:A:TYR:HB2	19	1.41
(1,1059)	1:88:A:GLU:HG2	1:84:A:MET:HA	14	1.41
(1,116)	1:2:B:ALA:HB2	1:7:B:LYS:HE2	10	1.41
(1,115)	1:2:A:ALA:HB2	1:7:A:LYS:HE2	10	1.41
(2,94)	1:61:B:ASN:HA	1:63:B:ASP:HB2	2	1.4
(2,94)	1:61:B:ASN:HA	1:63:B:ASP:HB2	5	1.4
(2,94)	1:61:B:ASN:HA	1:63:B:ASP:HB2	9	1.4
(2,93)	1:61:A:ASN:HA	1:63:A:ASP:HB2	2	1.4
(2,93)	1:61:A:ASN:HA	1:63:A:ASP:HB2	5	1.4
(2,93)	1:61:A:ASN:HA	1:63:A:ASP:HB2	9	1.4
(1,4550)	1:60:B:SER:H	1:34:B:LEU:HD23	4	1.4
(1,4549)	1:60:A:SER:H	1:34:A:LEU:HD23	4	1.4
(1,4536)	1:41:B:GLU:H	1:79:B:LEU:HD23	2	1.4
(1,4530)	1:68:B:ASN:HD21	1:66:B:ARG:HB2	4	1.4
(1,4529)	1:68:A:ASN:HD21	1:66:A:ARG:HB2	4	1.4
(1,4196)	1:77:B:VAL:HA	1:79:B:LEU:HD11	16	1.4
(1,4195)	1:77:A:VAL:HA	1:79:A:LEU:HD11	16	1.4
(1,3952)	1:47:B:GLY:HA2	1:46:B:LEU:HD22	6	1.4
(1,3952)	1:47:B:GLY:HA2	1:46:B:LEU:HD23	15	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3951)	1:47:A:GLY:HA2	1:46:A:LEU:HD23	15	1.4
(1,3889)	1:7:A:LYS:HE3	1:38:B:LEU:HD11	4	1.4
(1,3798)	1:16:B:PHE:HB2	1:83:A:ALA:HB3	10	1.4
(1,3797)	1:16:A:PHE:HB2	1:83:B:ALA:HB3	10	1.4
(1,3731)	1:69:A:GLU:HB3	1:29:A:LEU:HD12	19	1.4
(1,3675)	1:59:A:MET:HG2	1:31:A:LYS:HB2	13	1.4
(1,3550)	1:37:B:LEU:HD13	1:18:B:LYS:HB3	2	1.4
(1,3549)	1:37:A:LEU:HD13	1:18:A:LYS:HB3	2	1.4
(1,3549)	1:37:A:LEU:HD13	1:18:A:LYS:HB3	8	1.4
(1,3335)	1:2:A:ALA:HB2	1:7:A:LYS:HA	6	1.4
(1,2206)	1:77:B:VAL:H	1:82:B:ILE:HD12	7	1.4
(1,2206)	1:77:B:VAL:H	1:82:B:ILE:HD12	12	1.4
(1,2205)	1:77:A:VAL:H	1:82:A:ILE:HD12	7	1.4
(1,2205)	1:77:A:VAL:H	1:82:A:ILE:HD12	12	1.4
(1,1748)	1:88:B:GLU:HB3	1:85:B:MET:HA	10	1.4
(1,1524)	1:47:B:GLY:HA3	1:48:B:LYS:HB3	17	1.4
(1,1523)	1:47:A:GLY:HA3	1:48:A:LYS:HB3	13	1.4
(1,1523)	1:47:A:GLY:HA3	1:48:A:LYS:HB3	17	1.4
(1,1476)	1:42:B:LEU:HB3	1:39:B:THR:H	12	1.4
(1,1475)	1:42:A:LEU:HB3	1:39:A:THR:H	12	1.4
(1,1456)	1:29:B:LEU:HB3	1:70:B:VAL:HG12	5	1.4
(1,1455)	1:29:A:LEU:HB3	1:70:A:VAL:HG12	5	1.4
(1,1060)	1:88:B:GLU:HG2	1:84:B:MET:HA	14	1.4
(1,1059)	1:88:A:GLU:HG2	1:84:A:MET:HA	8	1.4
(2,94)	1:61:B:ASN:HA	1:63:B:ASP:HB2	4	1.39
(2,94)	1:61:B:ASN:HA	1:63:B:ASP:HB2	13	1.39
(2,93)	1:61:A:ASN:HA	1:63:A:ASP:HB2	4	1.39
(1,4278)	1:75:B:TYR:H	1:34:B:LEU:HD11	2	1.39
(1,4278)	1:75:B:TYR:H	1:34:B:LEU:HD13	4	1.39
(1,4277)	1:75:A:TYR:H	1:34:A:LEU:HD11	2	1.39
(1,3952)	1:47:B:GLY:HA2	1:46:B:LEU:HD21	13	1.39
(1,3951)	1:47:A:GLY:HA2	1:46:A:LEU:HD21	13	1.39
(1,3695)	1:73:A:GLN:HG3	1:99:B:ARG:HD2	14	1.39
(1,3676)	1:59:B:MET:HG2	1:31:B:LYS:HB2	13	1.39
(1,3666)	1:29:B:LEU:HD13	1:18:B:LYS:HB3	18	1.39
(1,3550)	1:37:B:LEU:HD13	1:18:B:LYS:HB3	8	1.39
(1,3524)	1:38:B:LEU:HD23	1:55:B:PHE:HB3	12	1.39
(1,3523)	1:38:A:LEU:HD23	1:55:A:PHE:HB3	12	1.39
(1,3336)	1:2:B:ALA:HB2	1:7:B:LYS:HA	6	1.39
(1,1524)	1:47:B:GLY:HA3	1:48:B:LYS:HB3	5	1.39
(1,1523)	1:47:A:GLY:HA3	1:48:A:LYS:HB3	5	1.39
(1,1060)	1:88:B:GLU:HG2	1:84:B:MET:HA	8	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,94)	1:61:B:ASN:HA	1:63:B:ASP:HB2	11	1.38
(2,93)	1:61:A:ASN:HA	1:63:A:ASP:HB2	13	1.38
(2,18)	1:66:B:ARG:HB2	1:63:B:ASP:HB2	10	1.38
(2,17)	1:66:A:ARG:HB2	1:63:A:ASP:HB2	10	1.38
(1,4620)	1:56:B:GLN:HE22	1:34:B:LEU:HD21	19	1.38
(1,4619)	1:56:A:GLN:HE22	1:34:A:LEU:HD21	19	1.38
(1,4550)	1:60:B:SER:H	1:34:B:LEU:HD21	1	1.38
(1,4549)	1:60:A:SER:H	1:34:A:LEU:HD21	1	1.38
(1,4536)	1:41:B:GLU:H	1:79:B:LEU:HD21	19	1.38
(1,4535)	1:41:A:GLU:H	1:79:A:LEU:HD21	19	1.38
(1,4393)	1:7:A:LYS:H	1:79:B:LEU:HD22	13	1.38
(1,4382)	1:10:B:ASP:H	1:79:A:LEU:HD22	1	1.38
(1,4382)	1:10:B:ASP:H	1:79:A:LEU:HD22	5	1.38
(1,4381)	1:10:A:ASP:H	1:79:B:LEU:HD22	1	1.38
(1,4381)	1:10:A:ASP:H	1:79:B:LEU:HD22	5	1.38
(1,4278)	1:75:B:TYR:H	1:34:B:LEU:HD13	6	1.38
(1,4277)	1:75:A:TYR:H	1:34:A:LEU:HD13	4	1.38
(1,4277)	1:75:A:TYR:H	1:34:A:LEU:HD13	6	1.38
(1,4200)	1:50:B:THR:HB	1:55:B:PHE:HB2	1	1.38
(1,4200)	1:50:B:THR:HB	1:55:B:PHE:HB2	20	1.38
(1,4199)	1:50:A:THR:HB	1:55:A:PHE:HB2	1	1.38
(1,4199)	1:50:A:THR:HB	1:55:A:PHE:HB2	20	1.38
(1,4137)	1:31:A:LYS:HA	1:29:A:LEU:HD13	20	1.38
(1,3951)	1:47:A:GLY:HA2	1:46:A:LEU:HD23	5	1.38
(1,3894)	1:79:B:LEU:HD21	1:37:B:LEU:HB3	3	1.38
(1,3893)	1:79:A:LEU:HD21	1:37:A:LEU:HB3	3	1.38
(1,3738)	1:33:B:GLU:HG3	1:29:B:LEU:HD12	14	1.38
(1,3737)	1:33:A:GLU:HG3	1:29:A:LEU:HD12	14	1.38
(1,3696)	1:73:B:GLN:HG3	1:99:A:ARG:HD2	14	1.38
(1,3665)	1:29:A:LEU:HD13	1:18:A:LYS:HB3	18	1.38
(1,3369)	1:50:A:THR:HG23	1:55:A:PHE:HB2	18	1.38
(1,2563)	1:27:A:PHE:H	1:28:A:LYS:HG2	8	1.38
(1,1524)	1:47:B:GLY:HA3	1:48:B:LYS:HB3	8	1.38
(1,1524)	1:47:B:GLY:HA3	1:48:B:LYS:HB3	9	1.38
(1,1524)	1:47:B:GLY:HA3	1:48:B:LYS:HB3	16	1.38
(1,1523)	1:47:A:GLY:HA3	1:48:A:LYS:HB3	2	1.38
(1,1523)	1:47:A:GLY:HA3	1:48:A:LYS:HB3	8	1.38
(1,1523)	1:47:A:GLY:HA3	1:48:A:LYS:HB3	16	1.38
(1,1520)	1:26:B:LYS:HB3	1:21:B:GLY:HA3	14	1.38
(1,1519)	1:26:A:LYS:HB3	1:21:A:GLY:HA3	14	1.38
(1,1456)	1:29:B:LEU:HB3	1:70:B:VAL:HG11	14	1.38
(1,1455)	1:29:A:LEU:HB3	1:70:A:VAL:HG11	14	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,182)	1:50:B:THR:HG23	1:48:B:LYS:HB3	19	1.38
(1,181)	1:50:A:THR:HG23	1:48:A:LYS:HB3	19	1.38
(2,93)	1:61:A:ASN:HA	1:63:A:ASP:HB2	11	1.37
(2,68)	1:59:B:MET:HB3	1:34:B:LEU:HB3	17	1.37
(2,67)	1:59:A:MET:HB3	1:34:A:LEU:HB3	17	1.37
(2,35)	1:33:A:GLU:HB3	1:31:A:LYS:HA	1	1.37
(2,18)	1:66:B:ARG:HB2	1:63:B:ASP:HB2	7	1.37
(1,4536)	1:41:B:GLU:H	1:79:B:LEU:HD21	3	1.37
(1,4535)	1:41:A:GLU:H	1:79:A:LEU:HD21	3	1.37
(1,4394)	1:7:B:LYS:H	1:79:A:LEU:HD22	13	1.37
(1,4392)	1:7:B:LYS:H	1:42:A:LEU:HD23	6	1.37
(1,4391)	1:7:A:LYS:H	1:42:B:LEU:HD23	6	1.37
(1,4369)	1:95:A:ASP:H	1:27:B:PHE:HB2	7	1.37
(1,4138)	1:31:B:LYS:HA	1:29:B:LEU:HD13	20	1.37
(1,3952)	1:47:B:GLY:HA2	1:46:B:LEU:HD23	5	1.37
(1,3770)	1:16:B:PHE:HB2	1:18:B:LYS:HE2	7	1.37
(1,3769)	1:16:A:PHE:HB2	1:18:A:LYS:HE2	7	1.37
(1,3676)	1:59:B:MET:HG2	1:31:B:LYS:HB3	10	1.37
(1,3675)	1:59:A:MET:HG2	1:31:A:LYS:HB3	10	1.37
(1,3600)	1:31:B:LYS:HD2	1:32:B:SER:HB2	3	1.37
(1,3526)	1:38:B:LEU:HD21	1:19:B:TYR:HB2	8	1.37
(1,3526)	1:38:B:LEU:HD21	1:19:B:TYR:HB2	19	1.37
(1,3525)	1:38:A:LEU:HD21	1:19:A:TYR:HB2	8	1.37
(1,3525)	1:38:A:LEU:HD21	1:19:A:TYR:HB2	16	1.37
(1,3525)	1:38:A:LEU:HD21	1:19:A:TYR:HB2	19	1.37
(1,3370)	1:50:B:THR:HG23	1:55:B:PHE:HB2	18	1.37
(1,3356)	1:77:B:VAL:HG11	1:74:B:GLU:HG3	9	1.37
(1,3355)	1:77:A:VAL:HG11	1:74:A:GLU:HG3	9	1.37
(1,3339)	1:2:A:ALA:HB2	1:42:B:LEU:HD22	13	1.37
(1,2564)	1:27:B:PHE:H	1:28:B:LYS:HG2	8	1.37
(1,2564)	1:27:B:PHE:H	1:28:B:LYS:HG2	17	1.37
(1,2563)	1:27:A:PHE:H	1:28:A:LYS:HG2	17	1.37
(1,2206)	1:77:B:VAL:H	1:82:B:ILE:HD11	2	1.37
(1,2206)	1:77:B:VAL:H	1:82:B:ILE:HD13	18	1.37
(1,2205)	1:77:A:VAL:H	1:82:A:ILE:HD11	2	1.37
(1,2205)	1:77:A:VAL:H	1:82:A:ILE:HD12	11	1.37
(1,2205)	1:77:A:VAL:H	1:82:A:ILE:HD13	18	1.37
(1,1524)	1:47:B:GLY:HA3	1:48:B:LYS:HB3	2	1.37
(1,1524)	1:47:B:GLY:HA3	1:48:B:LYS:HB3	7	1.37
(1,1524)	1:47:B:GLY:HA3	1:48:B:LYS:HB3	11	1.37
(1,1523)	1:47:A:GLY:HA3	1:48:A:LYS:HB3	9	1.37
(1,1523)	1:47:A:GLY:HA3	1:48:A:LYS:HB3	11	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1456)	1:29:B:LEU:HB3	1:70:B:VAL:HG11	16	1.37
(1,1455)	1:29:A:LEU:HB3	1:70:A:VAL:HG11	16	1.37
(1,936)	1:98:B:PRO:HB3	1:101:B:LYS:HG3	9	1.37
(1,935)	1:98:A:PRO:HB3	1:101:A:LYS:HG3	9	1.37
(1,372)	1:26:B:LYS:HG2	1:25:B:ASP:HB2	5	1.37
(1,371)	1:26:A:LYS:HG2	1:25:A:ASP:HB2	5	1.37
(1,40)	1:82:B:ILE:HD13	1:6:A:GLU:HB2	4	1.37
(1,39)	1:82:A:ILE:HD13	1:6:B:GLU:HB2	4	1.37
(1,2)	1:96:B:LYS:HD2	1:75:A:TYR:HB3	3	1.37
(1,1)	1:96:A:LYS:HD2	1:75:B:TYR:HB3	3	1.37
(1,1)	1:96:A:LYS:HD2	1:75:B:TYR:HB2	6	1.37
(1,1)	1:96:A:LYS:HD2	1:75:B:TYR:HB3	13	1.37
(2,94)	1:61:B:ASN:HA	1:63:B:ASP:HB2	17	1.36
(2,93)	1:61:A:ASN:HA	1:63:A:ASP:HB2	17	1.36
(2,36)	1:33:B:GLU:HB3	1:31:B:LYS:HA	1	1.36
(2,17)	1:66:A:ARG:HB2	1:63:A:ASP:HB2	7	1.36
(1,4394)	1:7:B:LYS:H	1:79:A:LEU:HD22	5	1.36
(1,4393)	1:7:A:LYS:H	1:79:B:LEU:HD11	3	1.36
(1,4393)	1:7:A:LYS:H	1:79:B:LEU:HD22	5	1.36
(1,4370)	1:95:B:ASP:H	1:27:A:PHE:HB2	7	1.36
(1,4196)	1:77:B:VAL:HA	1:79:B:LEU:HD22	3	1.36
(1,4196)	1:77:B:VAL:HA	1:79:B:LEU:HD12	17	1.36
(1,4196)	1:77:B:VAL:HA	1:79:B:LEU:HD12	18	1.36
(1,4195)	1:77:A:VAL:HA	1:79:A:LEU:HD22	3	1.36
(1,4195)	1:77:A:VAL:HA	1:79:A:LEU:HD12	17	1.36
(1,4195)	1:77:A:VAL:HA	1:79:A:LEU:HD12	18	1.36
(1,3820)	1:77:B:VAL:HG21	1:79:B:LEU:HB2	14	1.36
(1,3819)	1:77:A:VAL:HG21	1:79:A:LEU:HB2	14	1.36
(1,3810)	1:75:B:TYR:HB2	1:70:B:VAL:HG23	16	1.36
(1,3809)	1:75:A:TYR:HB2	1:70:A:VAL:HG23	16	1.36
(1,3666)	1:29:B:LEU:HD11	1:18:B:LYS:HB3	3	1.36
(1,3665)	1:29:A:LEU:HD11	1:18:A:LYS:HB3	3	1.36
(1,3526)	1:38:B:LEU:HD21	1:19:B:TYR:HB2	16	1.36
(1,3524)	1:38:B:LEU:HD23	1:55:B:PHE:HB3	16	1.36
(1,3523)	1:38:A:LEU:HD23	1:55:A:PHE:HB3	16	1.36
(1,2206)	1:77:B:VAL:H	1:82:B:ILE:HD13	6	1.36
(1,2206)	1:77:B:VAL:H	1:82:B:ILE:HD12	11	1.36
(1,2205)	1:77:A:VAL:H	1:82:A:ILE:HD13	10	1.36
(1,1748)	1:88:B:GLU:HB3	1:85:B:MET:HA	20	1.36
(1,1747)	1:88:A:GLU:HB3	1:85:A:MET:HA	20	1.36
(1,1524)	1:47:B:GLY:HA3	1:48:B:LYS:HB3	6	1.36
(1,1523)	1:47:A:GLY:HA3	1:48:A:LYS:HB3	6	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1523)	1:47:A:GLY:HA3	1:48:A:LYS:HB3	7	1.36
(1,1520)	1:26:B:LYS:HB3	1:21:B:GLY:HA3	13	1.36
(1,1476)	1:42:B:LEU:HB3	1:39:B:THR:H	4	1.36
(1,1475)	1:42:A:LEU:HB3	1:39:A:THR:H	4	1.36
(1,1389)	1:29:A:LEU:HB3	1:75:A:TYR:HB2	14	1.36
(1,1070)	1:88:B:GLU:HG3	1:96:B:LYS:HE3	10	1.36
(1,1069)	1:88:A:GLU:HG3	1:96:A:LYS:HE3	10	1.36
(1,1060)	1:88:B:GLU:HG2	1:84:B:MET:HA	15	1.36
(1,181)	1:50:A:THR:HG22	1:48:A:LYS:HB3	17	1.36
(1,2)	1:96:B:LYS:HD2	1:75:A:TYR:HB2	6	1.36
(1,2)	1:96:B:LYS:HD2	1:75:A:TYR:HB3	13	1.36
(2,36)	1:33:B:GLU:HB3	1:31:B:LYS:HA	3	1.35
(2,35)	1:33:A:GLU:HB3	1:31:A:LYS:HA	3	1.35
(2,18)	1:66:B:ARG:HB2	1:63:B:ASP:HB2	1	1.35
(2,18)	1:66:B:ARG:HB2	1:63:B:ASP:HB2	12	1.35
(2,17)	1:66:A:ARG:HB2	1:63:A:ASP:HB2	1	1.35
(2,17)	1:66:A:ARG:HB2	1:63:A:ASP:HB2	12	1.35
(1,4550)	1:60:B:SER:H	1:34:B:LEU:HD22	16	1.35
(1,4550)	1:60:B:SER:H	1:34:B:LEU:HD23	17	1.35
(1,4549)	1:60:A:SER:H	1:34:A:LEU:HD22	16	1.35
(1,4549)	1:60:A:SER:H	1:34:A:LEU:HD23	17	1.35
(1,4536)	1:41:B:GLU:H	1:79:B:LEU:HD23	9	1.35
(1,4535)	1:41:A:GLU:H	1:79:A:LEU:HD23	9	1.35
(1,4400)	1:72:B:PHE:H	1:13:B:VAL:HG12	8	1.35
(1,4399)	1:72:A:PHE:H	1:13:A:VAL:HG12	8	1.35
(1,4394)	1:7:B:LYS:H	1:79:A:LEU:HD11	3	1.35
(1,4369)	1:95:A:ASP:H	1:28:B:LYS:HE2	5	1.35
(1,4278)	1:75:B:TYR:H	1:34:B:LEU:HD11	13	1.35
(1,3599)	1:31:A:LYS:HD2	1:32:A:SER:HB2	3	1.35
(1,3598)	1:96:B:LYS:HD2	1:13:A:VAL:HG12	6	1.35
(1,3564)	1:56:B:GLN:HB2	1:35:B:LYS:HG3	3	1.35
(1,3563)	1:56:A:GLN:HB2	1:35:A:LYS:HG3	3	1.35
(1,3402)	1:70:B:VAL:HG23	1:33:B:GLU:HB2	20	1.35
(1,3401)	1:70:A:VAL:HG23	1:33:A:GLU:HB2	20	1.35
(1,3340)	1:2:B:ALA:HB2	1:42:A:LEU:HD22	13	1.35
(1,2242)	1:33:B:GLU:H	1:29:B:LEU:HB2	3	1.35
(1,2242)	1:33:B:GLU:H	1:29:B:LEU:HB2	18	1.35
(1,2241)	1:33:A:GLU:H	1:29:A:LEU:HB2	3	1.35
(1,2241)	1:33:A:GLU:H	1:29:A:LEU:HB2	18	1.35
(1,2206)	1:77:B:VAL:H	1:82:B:ILE:HD11	9	1.35
(1,2206)	1:77:B:VAL:H	1:82:B:ILE:HD13	10	1.35
(1,2206)	1:77:B:VAL:H	1:82:B:ILE:HD11	16	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2205)	1:77:A:VAL:H	1:82:A:ILE:HD12	3	1.35
(1,2205)	1:77:A:VAL:H	1:82:A:ILE:HD13	6	1.35
(1,2205)	1:77:A:VAL:H	1:82:A:ILE:HD11	9	1.35
(1,2205)	1:77:A:VAL:H	1:82:A:ILE:HD11	16	1.35
(1,1519)	1:26:A:LYS:HB3	1:21:A:GLY:HA3	13	1.35
(1,1390)	1:29:B:LEU:HB3	1:75:B:TYR:HB2	14	1.35
(1,1060)	1:88:B:GLU:HG2	1:84:B:MET:HA	5	1.35
(1,1059)	1:88:A:GLU:HG2	1:84:A:MET:HA	5	1.35
(1,1059)	1:88:A:GLU:HG2	1:84:A:MET:HA	15	1.35
(1,756)	1:31:B:LYS:HD3	1:56:B:GLN:HE21	14	1.35
(1,755)	1:31:A:LYS:HD3	1:56:A:GLN:HE21	14	1.35
(1,182)	1:50:B:THR:HG22	1:48:B:LYS:HB3	17	1.35
(1,162)	1:13:B:VAL:HG12	1:82:A:ILE:HG23	7	1.35
(1,116)	1:2:B:ALA:HB1	1:7:B:LYS:HE3	8	1.35
(1,116)	1:2:B:ALA:HB1	1:7:B:LYS:HE3	16	1.35
(1,115)	1:2:A:ALA:HB1	1:7:A:LYS:HE3	8	1.35
(2,286)	1:65:B:ASN:HD21	1:68:B:ASN:HD21	20	1.34
(2,94)	1:61:B:ASN:HA	1:63:B:ASP:HB2	20	1.34
(2,93)	1:61:A:ASN:HA	1:63:A:ASP:HB2	20	1.34
(1,4605)	1:73:A:GLN:H	1:29:A:LEU:HD12	9	1.34
(1,4544)	1:97:B:GLN:HE21	1:98:B:PRO:HD3	18	1.34
(1,4543)	1:97:A:GLN:HE21	1:98:A:PRO:HD3	18	1.34
(1,4536)	1:41:B:GLU:H	1:79:B:LEU:HD23	13	1.34
(1,4535)	1:41:A:GLU:H	1:79:A:LEU:HD23	13	1.34
(1,4436)	1:38:B:LEU:H	1:41:B:GLU:HG3	1	1.34
(1,4435)	1:38:A:LEU:H	1:41:A:GLU:HG3	1	1.34
(1,4381)	1:10:A:ASP:H	1:79:B:LEU:HD11	3	1.34
(1,4370)	1:95:B:ASP:H	1:28:A:LYS:HE2	5	1.34
(1,4369)	1:95:A:ASP:H	1:28:B:LYS:HE3	1	1.34
(1,4278)	1:75:B:TYR:H	1:34:B:LEU:HD12	14	1.34
(1,4278)	1:75:B:TYR:H	1:34:B:LEU:HD13	18	1.34
(1,4277)	1:75:A:TYR:H	1:34:A:LEU:HD11	13	1.34
(1,4196)	1:77:B:VAL:HA	1:79:B:LEU:HD13	2	1.34
(1,4195)	1:77:A:VAL:HA	1:79:A:LEU:HD13	2	1.34
(1,4076)	1:37:B:LEU:HD23	1:40:B:ARG:HA	15	1.34
(1,4075)	1:37:A:LEU:HD23	1:40:A:ARG:HA	15	1.34
(1,4028)	1:83:B:ALA:HA	1:9:A:LEU:HB3	4	1.34
(1,4027)	1:83:A:ALA:HA	1:9:B:LEU:HB3	4	1.34
(1,3791)	1:61:A:ASN:HB3	1:55:A:PHE:HA	15	1.34
(1,3676)	1:59:B:MET:HG2	1:31:B:LYS:HB3	18	1.34
(1,3676)	1:59:B:MET:HG2	1:31:B:LYS:HB3	20	1.34
(1,3675)	1:59:A:MET:HG2	1:31:A:LYS:HB3	18	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3675)	1:59:A:MET:HG2	1:31:A:LYS:HB3	20	1.34
(1,3636)	1:33:B:GLU:HB3	1:34:B:LEU:HB2	16	1.34
(1,3635)	1:33:A:GLU:HB3	1:34:A:LEU:HB2	16	1.34
(1,3597)	1:96:A:LYS:HD2	1:13:B:VAL:HG12	6	1.34
(1,3526)	1:38:B:LEU:HD21	1:19:B:TYR:HB2	15	1.34
(1,3525)	1:38:A:LEU:HD21	1:19:A:TYR:HB2	15	1.34
(1,3524)	1:38:B:LEU:HD21	1:55:B:PHE:HB3	10	1.34
(1,3523)	1:38:A:LEU:HD21	1:55:A:PHE:HB3	10	1.34
(1,3407)	1:13:A:VAL:HG23	1:79:A:LEU:HB3	5	1.34
(1,2555)	1:27:A:PHE:H	1:21:A:GLY:HA3	9	1.34
(1,2206)	1:77:B:VAL:H	1:82:B:ILE:HD11	1	1.34
(1,2206)	1:77:B:VAL:H	1:82:B:ILE:HD12	3	1.34
(1,2206)	1:77:B:VAL:H	1:82:B:ILE:HD13	5	1.34
(1,2205)	1:77:A:VAL:H	1:82:A:ILE:HD11	1	1.34
(1,2205)	1:77:A:VAL:H	1:82:A:ILE:HD13	5	1.34
(1,1520)	1:26:B:LYS:HB3	1:21:B:GLY:HA3	3	1.34
(1,1520)	1:26:B:LYS:HB3	1:21:B:GLY:HA3	11	1.34
(1,1519)	1:26:A:LYS:HB3	1:21:A:GLY:HA3	11	1.34
(1,1456)	1:29:B:LEU:HB3	1:70:B:VAL:HG13	9	1.34
(1,1455)	1:29:A:LEU:HB3	1:70:A:VAL:HG13	9	1.34
(1,161)	1:13:A:VAL:HG12	1:82:B:ILE:HG23	7	1.34
(1,116)	1:2:B:ALA:HB3	1:7:B:LYS:HE3	1	1.34
(1,115)	1:2:A:ALA:HB3	1:7:A:LYS:HE3	1	1.34
(1,115)	1:2:A:ALA:HB1	1:7:A:LYS:HE3	16	1.34
(1,40)	1:82:B:ILE:HD13	1:6:A:GLU:HB2	17	1.34
(1,1)	1:96:A:LYS:HD2	1:75:B:TYR:HB2	17	1.34
(2,286)	1:65:B:ASN:HD21	1:68:B:ASN:HD21	14	1.33
(2,285)	1:65:A:ASN:HD21	1:68:A:ASN:HD21	14	1.33
(2,285)	1:65:A:ASN:HD21	1:68:A:ASN:HD21	20	1.33
(2,36)	1:33:B:GLU:HB3	1:31:B:LYS:HA	10	1.33
(2,35)	1:33:A:GLU:HB3	1:31:A:LYS:HA	10	1.33
(1,4619)	1:56:A:GLN:HE22	1:34:A:LEU:HD21	9	1.33
(1,4606)	1:73:B:GLN:H	1:29:B:LEU:HD12	9	1.33
(1,4393)	1:7:A:LYS:H	1:79:B:LEU:HD23	14	1.33
(1,4382)	1:10:B:ASP:H	1:79:A:LEU:HD11	3	1.33
(1,4326)	1:42:B:LEU:H	1:79:B:LEU:HD22	6	1.33
(1,4325)	1:42:A:LEU:H	1:79:A:LEU:HD22	6	1.33
(1,4277)	1:75:A:TYR:H	1:34:A:LEU:HD12	14	1.33
(1,4277)	1:75:A:TYR:H	1:34:A:LEU:HD13	18	1.33
(1,4199)	1:50:A:THR:HB	1:55:A:PHE:HB2	3	1.33
(1,4178)	1:32:B:SER:HB2	1:31:B:LYS:HG3	15	1.33
(1,4177)	1:32:A:SER:HB2	1:31:A:LYS:HG3	15	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4076)	1:37:B:LEU:HD21	1:40:B:ARG:HA	10	1.33
(1,3951)	1:47:A:GLY:HA2	1:46:A:LEU:HD23	9	1.33
(1,3820)	1:77:B:VAL:HG23	1:79:B:LEU:HB2	5	1.33
(1,3819)	1:77:A:VAL:HG23	1:79:A:LEU:HB2	5	1.33
(1,3798)	1:16:B:PHE:HB2	1:37:B:LEU:HB3	1	1.33
(1,3798)	1:16:B:PHE:HB2	1:37:B:LEU:HB3	5	1.33
(1,3797)	1:16:A:PHE:HB2	1:37:A:LEU:HB3	1	1.33
(1,3797)	1:16:A:PHE:HB2	1:37:A:LEU:HB3	5	1.33
(1,3792)	1:61:B:ASN:HB3	1:55:B:PHE:HA	15	1.33
(1,3732)	1:69:B:GLU:HB3	1:29:B:LEU:HD11	4	1.33
(1,3731)	1:69:A:GLU:HB3	1:29:A:LEU:HD11	4	1.33
(1,3493)	1:79:A:LEU:HD23	1:15:A:THR:HB	7	1.33
(1,3474)	1:5:B:LEU:HD22	1:43:A:PRO:HD2	1	1.33
(1,3473)	1:5:A:LEU:HD22	1:43:B:PRO:HD2	1	1.33
(1,3470)	1:48:B:LYS:HG3	1:46:B:LEU:HD22	3	1.33
(1,3449)	1:18:A:LYS:HG2	1:36:A:GLU:HB2	17	1.33
(1,3408)	1:13:B:VAL:HG23	1:79:B:LEU:HB3	5	1.33
(1,3402)	1:70:B:VAL:HG23	1:33:B:GLU:HB2	12	1.33
(1,3401)	1:70:A:VAL:HG23	1:33:A:GLU:HB2	12	1.33
(1,3356)	1:77:B:VAL:HG12	1:74:B:GLU:HG3	18	1.33
(1,3355)	1:77:A:VAL:HG12	1:74:A:GLU:HG3	18	1.33
(1,3341)	1:2:A:ALA:HB2	1:79:B:LEU:HD13	17	1.33
(1,2556)	1:27:B:PHE:H	1:21:B:GLY:HA3	9	1.33
(1,2242)	1:33:B:GLU:H	1:29:B:LEU:HB2	1	1.33
(1,2241)	1:33:A:GLU:H	1:29:A:LEU:HB2	1	1.33
(1,2206)	1:77:B:VAL:H	1:82:B:ILE:HD11	4	1.33
(1,1524)	1:47:B:GLY:HA3	1:48:B:LYS:HB3	3	1.33
(1,1519)	1:26:A:LYS:HB3	1:21:A:GLY:HA3	3	1.33
(1,1456)	1:29:B:LEU:HB3	1:70:B:VAL:HG12	17	1.33
(1,1455)	1:29:A:LEU:HB3	1:70:A:VAL:HG12	17	1.33
(1,755)	1:31:A:LYS:HD3	1:56:A:GLN:HE21	13	1.33
(1,371)	1:26:A:LYS:HG3	1:25:A:ASP:HB2	18	1.33
(1,162)	1:13:B:VAL:HG13	1:82:A:ILE:HG21	18	1.33
(1,161)	1:13:A:VAL:HG12	1:82:B:ILE:HG21	15	1.33
(2,18)	1:66:B:ARG:HB2	1:63:B:ASP:HB2	19	1.32
(2,17)	1:66:A:ARG:HB2	1:63:A:ASP:HB2	19	1.32
(1,4620)	1:56:B:GLN:HE22	1:34:B:LEU:HD21	9	1.32
(1,4536)	1:41:B:GLU:H	1:79:B:LEU:HD21	16	1.32
(1,4535)	1:41:A:GLU:H	1:79:A:LEU:HD21	16	1.32
(1,4436)	1:38:B:LEU:H	1:41:B:GLU:HG3	8	1.32
(1,4435)	1:38:A:LEU:H	1:41:A:GLU:HG3	8	1.32
(1,4435)	1:38:A:LEU:H	1:41:A:GLU:HG3	10	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4394)	1:7:B:LYS:H	1:79:A:LEU:HD23	14	1.32
(1,4382)	1:10:B:ASP:H	1:79:A:LEU:HD22	13	1.32
(1,4381)	1:10:A:ASP:H	1:79:B:LEU:HD22	13	1.32
(1,4370)	1:95:B:ASP:H	1:28:A:LYS:HE3	1	1.32
(1,4076)	1:37:B:LEU:HD23	1:40:B:ARG:HA	16	1.32
(1,4076)	1:37:B:LEU:HD22	1:40:B:ARG:HA	20	1.32
(1,4075)	1:37:A:LEU:HD21	1:40:A:ARG:HA	10	1.32
(1,4075)	1:37:A:LEU:HD23	1:40:A:ARG:HA	16	1.32
(1,4075)	1:37:A:LEU:HD22	1:40:A:ARG:HA	20	1.32
(1,4028)	1:83:B:ALA:HA	1:9:A:LEU:HB3	2	1.32
(1,4027)	1:83:A:ALA:HA	1:9:B:LEU:HB3	2	1.32
(1,3952)	1:47:B:GLY:HA2	1:46:B:LEU:HD23	9	1.32
(1,3810)	1:75:B:TYR:HB2	1:70:B:VAL:HG21	15	1.32
(1,3809)	1:75:A:TYR:HB2	1:70:A:VAL:HG22	20	1.32
(1,3798)	1:16:B:PHE:HB2	1:37:B:LEU:HB3	15	1.32
(1,3797)	1:16:A:PHE:HB2	1:37:A:LEU:HB3	15	1.32
(1,3738)	1:33:B:GLU:HG3	1:29:B:LEU:HD12	3	1.32
(1,3737)	1:33:A:GLU:HG3	1:29:A:LEU:HD12	3	1.32
(1,3732)	1:69:B:GLU:HB3	1:29:B:LEU:HD12	7	1.32
(1,3731)	1:69:A:GLU:HB3	1:29:A:LEU:HD12	7	1.32
(1,3666)	1:29:B:LEU:HD13	1:18:B:LYS:HB3	9	1.32
(1,3665)	1:29:A:LEU:HD13	1:18:A:LYS:HB3	9	1.32
(1,3526)	1:38:B:LEU:HD21	1:19:B:TYR:HB2	4	1.32
(1,3525)	1:38:A:LEU:HD21	1:19:A:TYR:HB2	4	1.32
(1,3494)	1:79:B:LEU:HD23	1:15:B:THR:HB	7	1.32
(1,3469)	1:48:A:LYS:HG3	1:46:A:LEU:HD22	3	1.32
(1,3452)	1:35:B:LYS:HG2	1:52:B:GLU:HB3	16	1.32
(1,3451)	1:35:A:LYS:HG2	1:52:A:GLU:HB3	16	1.32
(1,3450)	1:18:B:LYS:HG2	1:40:B:ARG:HB3	13	1.32
(1,3450)	1:18:B:LYS:HG2	1:36:B:GLU:HB2	17	1.32
(1,3449)	1:18:A:LYS:HG2	1:22:A:LYS:HB3	6	1.32
(1,3449)	1:18:A:LYS:HG2	1:40:A:ARG:HB3	13	1.32
(1,2206)	1:77:B:VAL:H	1:82:B:ILE:HD13	13	1.32
(1,2206)	1:77:B:VAL:H	1:82:B:ILE:HD12	15	1.32
(1,2206)	1:77:B:VAL:H	1:82:B:ILE:HD11	17	1.32
(1,2205)	1:77:A:VAL:H	1:82:A:ILE:HD11	4	1.32
(1,2205)	1:77:A:VAL:H	1:82:A:ILE:HD13	13	1.32
(1,2205)	1:77:A:VAL:H	1:82:A:ILE:HD12	15	1.32
(1,2205)	1:77:A:VAL:H	1:82:A:ILE:HD11	17	1.32
(1,1523)	1:47:A:GLY:HA3	1:48:A:LYS:HB3	3	1.32
(1,1456)	1:29:B:LEU:HB3	1:70:B:VAL:HG11	12	1.32
(1,1455)	1:29:A:LEU:HB3	1:70:A:VAL:HG11	12	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,756)	1:31:B:LYS:HD3	1:56:B:GLN:HE21	13	1.32
(1,372)	1:26:B:LYS:HG3	1:25:B:ASP:HB2	18	1.32
(1,162)	1:13:B:VAL:HG12	1:82:A:ILE:HG21	1	1.32
(1,162)	1:13:B:VAL:HG12	1:82:A:ILE:HG21	10	1.32
(1,162)	1:13:B:VAL:HG12	1:82:A:ILE:HG21	15	1.32
(1,161)	1:13:A:VAL:HG12	1:82:B:ILE:HG21	1	1.32
(1,161)	1:13:A:VAL:HG12	1:82:B:ILE:HG21	10	1.32
(1,2)	1:96:B:LYS:HD2	1:75:A:TYR:HB2	17	1.32
(2,94)	1:61:B:ASN:HA	1:63:B:ASP:HB2	8	1.31
(2,93)	1:61:A:ASN:HA	1:63:A:ASP:HB2	8	1.31
(2,18)	1:66:B:ARG:HB2	1:63:B:ASP:HB2	13	1.31
(2,17)	1:66:A:ARG:HB2	1:63:A:ASP:HB2	13	1.31
(1,4564)	1:73:B:GLN:HE22	1:96:A:LYS:HD2	7	1.31
(1,4436)	1:38:B:LEU:H	1:41:B:GLU:HG3	10	1.31
(1,4394)	1:7:B:LYS:H	1:79:A:LEU:HD22	1	1.31
(1,4393)	1:7:A:LYS:H	1:79:B:LEU:HD22	1	1.31
(1,4283)	1:3:A:SER:H	1:9:A:LEU:HD22	19	1.31
(1,4278)	1:75:B:TYR:H	1:34:B:LEU:HD12	10	1.31
(1,4277)	1:75:A:TYR:H	1:34:A:LEU:HD12	10	1.31
(1,4200)	1:50:B:THR:HB	1:55:B:PHE:HB2	3	1.31
(1,4180)	1:60:B:SER:HB3	1:58:B:LEU:HD13	13	1.31
(1,4028)	1:83:B:ALA:HA	1:9:A:LEU:HB3	18	1.31
(1,4027)	1:83:A:ALA:HA	1:9:B:LEU:HB3	18	1.31
(1,3879)	1:51:A:ASP:HB2	1:56:A:GLN:HB3	1	1.31
(1,3820)	1:79:B:LEU:HB2	1:79:A:LEU:HB2	10	1.31
(1,3819)	1:79:A:LEU:HB2	1:79:B:LEU:HB2	10	1.31
(1,3810)	1:75:B:TYR:HB2	1:70:B:VAL:HG22	20	1.31
(1,3809)	1:75:A:TYR:HB2	1:70:A:VAL:HG21	15	1.31
(1,3798)	1:16:B:PHE:HB2	1:83:A:ALA:HB3	6	1.31
(1,3797)	1:16:A:PHE:HB2	1:83:B:ALA:HB3	6	1.31
(1,3564)	1:56:B:GLN:HB2	1:35:B:LYS:HG3	8	1.31
(1,3563)	1:56:A:GLN:HB2	1:35:A:LYS:HG3	8	1.31
(1,3474)	1:5:B:LEU:HD23	1:43:A:PRO:HD2	14	1.31
(1,3473)	1:5:A:LEU:HD23	1:43:B:PRO:HD2	14	1.31
(1,3470)	1:48:B:LYS:HG2	1:46:B:LEU:HD21	16	1.31
(1,3469)	1:48:A:LYS:HG2	1:46:A:LEU:HD21	16	1.31
(1,3450)	1:18:B:LYS:HG2	1:22:B:LYS:HB3	4	1.31
(1,3450)	1:18:B:LYS:HG2	1:22:B:LYS:HB3	6	1.31
(1,3342)	1:2:B:ALA:HB2	1:79:A:LEU:HD13	17	1.31
(1,2556)	1:27:B:PHE:H	1:21:B:GLY:HA3	6	1.31
(1,2556)	1:27:B:PHE:H	1:21:B:GLY:HA3	12	1.31
(1,2555)	1:27:A:PHE:H	1:21:A:GLY:HA3	6	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2555)	1:27:A:PHE:H	1:21:A:GLY:HA3	12	1.31
(1,2242)	1:33:B:GLU:H	1:29:B:LEU:HB2	9	1.31
(1,2206)	1:77:B:VAL:H	1:82:B:ILE:HD13	14	1.31
(1,2206)	1:77:B:VAL:H	1:82:B:ILE:HD13	19	1.31
(1,2205)	1:77:A:VAL:H	1:82:A:ILE:HD13	14	1.31
(1,2205)	1:77:A:VAL:H	1:82:A:ILE:HD13	19	1.31
(1,1456)	1:29:B:LEU:HB3	1:70:B:VAL:HG13	7	1.31
(1,1455)	1:29:A:LEU:HB3	1:70:A:VAL:HG13	7	1.31
(1,761)	1:6:A:GLU:HB2	1:42:B:LEU:HD21	19	1.31
(1,516)	1:42:B:LEU:HD12	1:5:A:LEU:HD22	2	1.31
(1,161)	1:13:A:VAL:HG13	1:82:B:ILE:HG21	18	1.31
(1,39)	1:82:A:ILE:HD13	1:6:B:GLU:HB2	17	1.31
(1,4550)	1:60:B:SER:H	1:34:B:LEU:HD22	2	1.3
(1,4549)	1:60:A:SER:H	1:34:A:LEU:HD22	2	1.3
(1,4530)	1:68:B:ASN:HD21	1:66:B:ARG:HB2	19	1.3
(1,4529)	1:68:A:ASN:HD21	1:66:A:ARG:HB2	19	1.3
(1,4436)	1:38:B:LEU:H	1:41:B:GLU:HG3	5	1.3
(1,4200)	1:50:B:THR:HB	1:55:B:PHE:HB2	9	1.3
(1,4199)	1:50:A:THR:HB	1:55:A:PHE:HB2	9	1.3
(1,4196)	1:77:B:VAL:HA	1:79:B:LEU:HD13	4	1.3
(1,4195)	1:77:A:VAL:HA	1:79:A:LEU:HD13	4	1.3
(1,4179)	1:60:A:SER:HB3	1:58:A:LEU:HD13	13	1.3
(1,4138)	1:31:B:LYS:HA	1:29:B:LEU:HD11	10	1.3
(1,4076)	1:37:B:LEU:HD21	1:40:B:ARG:HA	4	1.3
(1,4075)	1:37:A:LEU:HD21	1:40:A:ARG:HA	4	1.3
(1,3880)	1:51:B:ASP:HB2	1:56:B:GLN:HB3	1	1.3
(1,3564)	1:56:B:GLN:HB2	1:35:B:LYS:HG3	2	1.3
(1,3563)	1:56:A:GLN:HB2	1:35:A:LYS:HG3	2	1.3
(1,3526)	1:38:B:LEU:HD21	1:19:B:TYR:HB2	3	1.3
(1,3526)	1:38:B:LEU:HD22	1:19:B:TYR:HB2	20	1.3
(1,3525)	1:38:A:LEU:HD21	1:19:A:TYR:HB2	3	1.3
(1,3525)	1:38:A:LEU:HD22	1:19:A:TYR:HB2	20	1.3
(1,3523)	1:38:A:LEU:HD22	1:55:A:PHE:HB3	9	1.3
(1,3498)	1:79:B:LEU:HG	1:80:A:SER:HB3	14	1.3
(1,3497)	1:79:A:LEU:HG	1:80:B:SER:HB3	14	1.3
(1,3449)	1:18:A:LYS:HG2	1:22:A:LYS:HB3	4	1.3
(1,3339)	1:2:A:ALA:HB1	1:42:B:LEU:HD22	4	1.3
(1,2242)	1:33:B:GLU:H	1:29:B:LEU:HB2	10	1.3
(1,2242)	1:33:B:GLU:H	1:29:B:LEU:HB2	15	1.3
(1,2241)	1:33:A:GLU:H	1:29:A:LEU:HB2	9	1.3
(1,2241)	1:33:A:GLU:H	1:29:A:LEU:HB2	10	1.3
(1,2241)	1:33:A:GLU:H	1:29:A:LEU:HB2	15	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2206)	1:77:B:VAL:H	1:82:B:ILE:HD13	8	1.3
(1,2205)	1:77:A:VAL:H	1:82:A:ILE:HD13	8	1.3
(1,1610)	1:25:B:ASP:HB2	1:28:B:LYS:HA	6	1.3
(1,1609)	1:25:A:ASP:HB2	1:28:A:LYS:HA	6	1.3
(1,1524)	1:47:B:GLY:HA3	1:48:B:LYS:HB3	19	1.3
(1,1506)	1:92:B:GLY:HA3	1:91:B:GLU:HG3	18	1.3
(1,1505)	1:92:A:GLY:HA3	1:91:A:GLU:HG3	18	1.3
(1,762)	1:6:B:GLU:HB2	1:42:A:LEU:HD21	19	1.3
(1,515)	1:42:A:LEU:HD12	1:5:B:LEU:HD22	2	1.3
(1,460)	1:46:B:LEU:HD22	1:82:B:ILE:HD11	19	1.3
(1,182)	1:50:B:THR:HG23	1:48:B:LYS:HB3	5	1.3
(1,181)	1:50:A:THR:HG23	1:48:A:LYS:HB3	5	1.3
(1,162)	1:13:B:VAL:HG11	1:82:A:ILE:HG23	11	1.3
(2,286)	1:65:B:ASN:HD21	1:68:B:ASN:HD21	10	1.29
(2,285)	1:65:A:ASN:HD21	1:68:A:ASN:HD21	10	1.29
(2,94)	1:61:B:ASN:HA	1:63:B:ASP:HB2	3	1.29
(2,94)	1:61:B:ASN:HA	1:63:B:ASP:HB2	7	1.29
(2,94)	1:61:B:ASN:HA	1:63:B:ASP:HB2	14	1.29
(2,93)	1:61:A:ASN:HA	1:63:A:ASP:HB2	3	1.29
(2,93)	1:61:A:ASN:HA	1:63:A:ASP:HB2	7	1.29
(1,4563)	1:73:A:GLN:HE22	1:96:B:LYS:HD2	7	1.29
(1,4435)	1:38:A:LEU:H	1:41:A:GLU:HG3	5	1.29
(1,4284)	1:3:B:SER:H	1:9:B:LEU:HD22	19	1.29
(1,4257)	1:30:A:ASN:H	1:31:A:LYS:HG2	3	1.29
(1,4179)	1:60:A:SER:HB2	1:58:A:LEU:HD13	16	1.29
(1,4178)	1:32:B:SER:HB2	1:31:B:LYS:HG3	9	1.29
(1,4177)	1:32:A:SER:HB2	1:31:A:LYS:HG3	9	1.29
(1,4149)	1:76:A:SER:HB3	1:96:B:LYS:HD3	5	1.29
(1,4137)	1:31:A:LYS:HA	1:29:A:LEU:HD11	10	1.29
(1,3910)	1:62:B:LEU:HB2	1:61:B:ASN:HB3	2	1.29
(1,3810)	1:75:B:TYR:HB2	1:70:B:VAL:HG23	5	1.29
(1,3810)	1:75:B:TYR:HB2	1:70:B:VAL:HG21	17	1.29
(1,3809)	1:75:A:TYR:HB2	1:70:A:VAL:HG23	5	1.29
(1,3809)	1:75:A:TYR:HB2	1:70:A:VAL:HG21	17	1.29
(1,3770)	1:16:B:PHE:HB2	1:87:A:ASN:HB2	19	1.29
(1,3696)	1:56:B:GLN:HG3	1:55:B:PHE:HB3	10	1.29
(1,3695)	1:56:A:GLN:HG3	1:55:A:PHE:HB3	10	1.29
(1,3676)	1:59:B:MET:HG2	1:31:B:LYS:HB3	7	1.29
(1,3628)	1:59:B:MET:HB3	1:55:B:PHE:HB3	6	1.29
(1,3627)	1:59:A:MET:HB3	1:55:A:PHE:HB3	6	1.29
(1,3552)	1:94:B:PRO:HG3	1:101:B:LYS:HD2	10	1.29
(1,3526)	1:38:B:LEU:HD21	1:19:B:TYR:HB2	18	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3525)	1:38:A:LEU:HD21	1:19:A:TYR:HB2	18	1.29
(1,3524)	1:38:B:LEU:HD22	1:55:B:PHE:HB3	9	1.29
(1,2564)	1:27:B:PHE:H	1:28:B:LYS:HG2	3	1.29
(1,1747)	1:88:A:GLU:HB3	1:85:A:MET:HA	11	1.29
(1,1523)	1:47:A:GLY:HA3	1:48:A:LYS:HB3	19	1.29
(1,1456)	1:29:B:LEU:HB3	1:70:B:VAL:HG13	2	1.29
(1,1456)	1:29:B:LEU:HB3	1:70:B:VAL:HG11	15	1.29
(1,1456)	1:29:B:LEU:HB3	1:70:B:VAL:HG13	19	1.29
(1,1455)	1:29:A:LEU:HB3	1:70:A:VAL:HG13	2	1.29
(1,1455)	1:29:A:LEU:HB3	1:70:A:VAL:HG11	15	1.29
(1,1455)	1:29:A:LEU:HB3	1:70:A:VAL:HG13	19	1.29
(1,1062)	1:88:B:GLU:HG2	1:85:B:MET:HA	10	1.29
(1,1062)	1:88:B:GLU:HG2	1:85:B:MET:HA	14	1.29
(1,1061)	1:88:A:GLU:HG2	1:85:A:MET:HA	10	1.29
(1,604)	1:40:B:ARG:HG2	1:36:B:GLU:HA	18	1.29
(1,603)	1:40:A:ARG:HG2	1:36:A:GLU:HA	18	1.29
(1,459)	1:46:A:LEU:HD22	1:82:A:ILE:HD11	19	1.29
(1,162)	1:13:B:VAL:HG12	1:82:A:ILE:HG21	16	1.29
(1,161)	1:13:A:VAL:HG11	1:82:B:ILE:HG23	11	1.29
(2,94)	1:61:B:ASN:HA	1:63:B:ASP:HB2	15	1.28
(2,93)	1:61:A:ASN:HA	1:63:A:ASP:HB2	14	1.28
(2,90)	1:61:B:ASN:HA	1:66:B:ARG:HD2	13	1.28
(2,89)	1:61:A:ASN:HA	1:66:A:ARG:HD2	13	1.28
(1,4620)	1:56:B:GLN:HE22	1:34:B:LEU:HD23	12	1.28
(1,4504)	1:28:B:LYS:H	1:69:B:GLU:HG2	2	1.28
(1,4503)	1:28:A:LYS:H	1:69:A:GLU:HG2	2	1.28
(1,4326)	1:42:B:LEU:H	1:79:B:LEU:HD21	4	1.28
(1,4258)	1:30:B:ASN:H	1:31:B:LYS:HG2	3	1.28
(1,4258)	1:30:B:ASN:H	1:28:B:LYS:HD2	10	1.28
(1,4257)	1:30:A:ASN:H	1:28:A:LYS:HD2	10	1.28
(1,4180)	1:60:B:SER:HB2	1:58:B:LEU:HD13	16	1.28
(1,4150)	1:76:B:SER:HB3	1:96:A:LYS:HD3	5	1.28
(1,4138)	1:31:B:LYS:HA	1:29:B:LEU:HD11	7	1.28
(1,4138)	1:31:B:LYS:HA	1:29:B:LEU:HD11	18	1.28
(1,4137)	1:31:A:LYS:HA	1:29:A:LEU:HD11	18	1.28
(1,3914)	1:40:B:ARG:HD3	1:37:B:LEU:HD21	12	1.28
(1,3909)	1:62:A:LEU:HB2	1:61:A:ASN:HB3	2	1.28
(1,3894)	1:79:B:LEU:HD23	1:37:B:LEU:HB3	10	1.28
(1,3894)	1:79:B:LEU:HD23	1:37:B:LEU:HB3	13	1.28
(1,3894)	1:79:B:LEU:HD21	1:37:B:LEU:HB3	15	1.28
(1,3893)	1:79:A:LEU:HD23	1:37:A:LEU:HB3	10	1.28
(1,3893)	1:79:A:LEU:HD23	1:37:A:LEU:HB3	13	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3893)	1:79:A:LEU:HD21	1:37:A:LEU:HB3	15	1.28
(1,3810)	1:75:B:TYR:HB2	1:70:B:VAL:HG21	3	1.28
(1,3810)	1:75:B:TYR:HB2	1:70:B:VAL:HG22	12	1.28
(1,3810)	1:75:B:TYR:HB2	1:70:B:VAL:HG22	19	1.28
(1,3809)	1:75:A:TYR:HB2	1:70:A:VAL:HG21	3	1.28
(1,3809)	1:75:A:TYR:HB2	1:70:A:VAL:HG22	12	1.28
(1,3809)	1:75:A:TYR:HB2	1:70:A:VAL:HG22	19	1.28
(1,3798)	1:16:B:PHE:HB2	1:83:A:ALA:HB1	3	1.28
(1,3769)	1:16:A:PHE:HB2	1:87:B:ASN:HB2	19	1.28
(1,3675)	1:59:A:MET:HG2	1:31:A:LYS:HB3	7	1.28
(1,3628)	1:59:B:MET:HB3	1:55:B:PHE:HB3	7	1.28
(1,3627)	1:59:A:MET:HB3	1:55:A:PHE:HB3	7	1.28
(1,3598)	1:7:B:LYS:HD3	1:9:B:LEU:HD11	8	1.28
(1,3597)	1:7:A:LYS:HD3	1:9:A:LEU:HD11	8	1.28
(1,3552)	1:94:B:PRO:HG3	1:101:B:LYS:HD2	13	1.28
(1,3551)	1:94:A:PRO:HG3	1:101:A:LYS:HD2	10	1.28
(1,3551)	1:94:A:PRO:HG3	1:101:A:LYS:HD2	13	1.28
(1,3452)	1:35:B:LYS:HG2	1:52:B:GLU:HB3	17	1.28
(1,3451)	1:35:A:LYS:HG2	1:52:A:GLU:HB3	17	1.28
(1,3450)	1:18:B:LYS:HG2	1:36:B:GLU:HB2	8	1.28
(1,3449)	1:18:A:LYS:HG2	1:22:A:LYS:HB3	8	1.28
(1,3430)	1:46:B:LEU:HD11	1:48:B:LYS:HA	12	1.28
(1,3429)	1:46:A:LEU:HD11	1:48:A:LYS:HA	12	1.28
(1,3340)	1:2:B:ALA:HB1	1:42:A:LEU:HD22	4	1.28
(1,2564)	1:27:B:PHE:H	1:28:B:LYS:HG2	20	1.28
(1,2563)	1:27:A:PHE:H	1:28:A:LYS:HG2	3	1.28
(1,2563)	1:27:A:PHE:H	1:28:A:LYS:HG2	20	1.28
(1,2556)	1:27:B:PHE:H	1:21:B:GLY:HA3	10	1.28
(1,1748)	1:88:B:GLU:HB3	1:85:B:MET:HA	11	1.28
(1,1456)	1:29:B:LEU:HB3	1:70:B:VAL:HG11	4	1.28
(1,1455)	1:29:A:LEU:HB3	1:70:A:VAL:HG11	4	1.28
(1,1061)	1:88:A:GLU:HG2	1:85:A:MET:HA	14	1.28
(1,162)	1:13:B:VAL:HG11	1:82:A:ILE:HG21	6	1.28
(2,94)	1:61:B:ASN:HA	1:63:B:ASP:HB2	12	1.27
(2,93)	1:61:A:ASN:HA	1:63:A:ASP:HB2	12	1.27
(2,93)	1:61:A:ASN:HA	1:63:A:ASP:HB2	15	1.27
(2,18)	1:66:B:ARG:HB2	1:63:B:ASP:HB2	15	1.27
(2,17)	1:66:A:ARG:HB2	1:63:A:ASP:HB2	15	1.27
(1,4619)	1:56:A:GLN:HE22	1:34:A:LEU:HD23	12	1.27
(1,4606)	1:73:B:GLN:H	1:29:B:LEU:HD13	3	1.27
(1,4605)	1:73:A:GLN:H	1:29:A:LEU:HD13	3	1.27
(1,4603)	1:73:A:GLN:H	1:13:A:VAL:HG12	14	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4550)	1:60:B:SER:H	1:34:B:LEU:HD23	11	1.27
(1,4549)	1:60:A:SER:H	1:34:A:LEU:HD23	11	1.27
(1,4536)	1:41:B:GLU:H	1:79:B:LEU:HD21	12	1.27
(1,4535)	1:41:A:GLU:H	1:79:A:LEU:HD21	12	1.27
(1,4482)	1:14:B:SER:H	1:79:B:LEU:HD12	15	1.27
(1,4481)	1:14:A:SER:H	1:79:A:LEU:HD12	15	1.27
(1,4436)	1:38:B:LEU:H	1:41:B:GLU:HG3	9	1.27
(1,4435)	1:38:A:LEU:H	1:41:A:GLU:HG3	9	1.27
(1,4325)	1:42:A:LEU:H	1:79:A:LEU:HD21	4	1.27
(1,4278)	1:75:B:TYR:H	1:34:B:LEU:HD11	3	1.27
(1,4194)	1:77:B:VAL:HA	1:62:B:LEU:HB3	15	1.27
(1,4193)	1:77:A:VAL:HA	1:62:A:LEU:HB3	15	1.27
(1,4137)	1:31:A:LYS:HA	1:29:A:LEU:HD11	7	1.27
(1,4076)	1:37:B:LEU:HD21	1:40:B:ARG:HA	12	1.27
(1,4075)	1:37:A:LEU:HD21	1:40:A:ARG:HA	12	1.27
(1,3913)	1:40:A:ARG:HD3	1:37:A:LEU:HD21	12	1.27
(1,3797)	1:16:A:PHE:HB2	1:83:B:ALA:HB1	3	1.27
(1,3797)	1:16:A:PHE:HB2	1:83:B:ALA:HB3	8	1.27
(1,3676)	1:59:B:MET:HG2	1:31:B:LYS:HB3	9	1.27
(1,3675)	1:59:A:MET:HG2	1:31:A:LYS:HB3	9	1.27
(1,3552)	1:94:B:PRO:HG3	1:101:B:LYS:HD2	6	1.27
(1,3551)	1:94:A:PRO:HG3	1:101:A:LYS:HD2	6	1.27
(1,3526)	1:38:B:LEU:HD21	1:19:B:TYR:HB2	11	1.27
(1,3525)	1:38:A:LEU:HD21	1:19:A:TYR:HB2	11	1.27
(1,3524)	1:38:B:LEU:HD23	1:55:B:PHE:HB3	17	1.27
(1,3523)	1:38:A:LEU:HD23	1:55:A:PHE:HB3	17	1.27
(1,3484)	1:34:B:LEU:HD21	1:38:B:LEU:H	10	1.27
(1,3483)	1:34:A:LEU:HD21	1:38:A:LEU:H	10	1.27
(1,3430)	1:46:B:LEU:HD11	1:48:B:LYS:HA	14	1.27
(1,3429)	1:46:A:LEU:HD11	1:48:A:LYS:HA	14	1.27
(1,2555)	1:27:A:PHE:H	1:21:A:GLY:HA3	10	1.27
(1,1060)	1:88:B:GLU:HG2	1:84:B:MET:HA	13	1.27
(1,1059)	1:88:A:GLU:HG2	1:84:A:MET:HA	13	1.27
(1,756)	1:31:B:LYS:HD3	1:56:B:GLN:HE21	11	1.27
(1,161)	1:13:A:VAL:HG11	1:82:B:ILE:HG21	6	1.27
(1,161)	1:13:A:VAL:HG12	1:82:B:ILE:HG21	16	1.27
(1,116)	1:2:B:ALA:HB2	1:7:B:LYS:HE3	6	1.27
(1,2)	1:96:B:LYS:HD2	1:75:A:TYR:HB2	11	1.27
(1,1)	1:96:A:LYS:HD2	1:75:B:TYR:HB2	11	1.27
(2,286)	1:65:B:ASN:HD21	1:68:B:ASN:HD21	1	1.26
(2,286)	1:65:B:ASN:HD21	1:68:B:ASN:HD21	11	1.26
(2,285)	1:65:A:ASN:HD21	1:68:A:ASN:HD21	1	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,285)	1:65:A:ASN:HD21	1:68:A:ASN:HD21	11	1.26
(2,94)	1:61:B:ASN:HA	1:63:B:ASP:HB2	6	1.26
(2,93)	1:61:A:ASN:HA	1:63:A:ASP:HB2	6	1.26
(1,4604)	1:73:B:GLN:H	1:13:B:VAL:HG12	14	1.26
(1,4550)	1:60:B:SER:H	1:34:B:LEU:HD21	10	1.26
(1,4549)	1:60:A:SER:H	1:34:A:LEU:HD21	10	1.26
(1,4536)	1:41:B:GLU:H	1:79:B:LEU:HD23	5	1.26
(1,4535)	1:41:A:GLU:H	1:79:A:LEU:HD23	5	1.26
(1,4482)	1:14:B:SER:H	1:79:B:LEU:HD12	8	1.26
(1,4399)	1:72:A:PHE:H	1:13:A:VAL:HG12	5	1.26
(1,4277)	1:75:A:TYR:H	1:34:A:LEU:HD11	3	1.26
(1,4200)	1:50:B:THR:HB	1:49:B:ARG:HD2	7	1.26
(1,4178)	1:32:B:SER:HB2	1:31:B:LYS:HG3	18	1.26
(1,4138)	1:31:B:LYS:HA	1:29:B:LEU:HD11	2	1.26
(1,4138)	1:31:B:LYS:HA	1:29:B:LEU:HD12	13	1.26
(1,4137)	1:31:A:LYS:HA	1:29:A:LEU:HD11	2	1.26
(1,4137)	1:31:A:LYS:HA	1:29:A:LEU:HD12	13	1.26
(1,4076)	1:37:B:LEU:HD21	1:40:B:ARG:HA	13	1.26
(1,4075)	1:37:A:LEU:HD21	1:40:A:ARG:HA	13	1.26
(1,3890)	1:7:B:LYS:HE3	1:38:A:LEU:HD12	9	1.26
(1,3889)	1:7:A:LYS:HE3	1:38:B:LEU:HD12	9	1.26
(1,3798)	1:16:B:PHE:HB2	1:83:A:ALA:HB3	8	1.26
(1,3797)	1:16:A:PHE:HB2	1:83:B:ALA:HB1	2	1.26
(1,3770)	1:16:B:PHE:HB2	1:87:A:ASN:HB2	20	1.26
(1,3769)	1:16:A:PHE:HB2	1:87:B:ASN:HB2	20	1.26
(1,3738)	1:33:B:GLU:HG2	1:29:B:LEU:HD12	6	1.26
(1,3737)	1:33:A:GLU:HG2	1:29:A:LEU:HD12	6	1.26
(1,3696)	1:56:B:GLN:HG3	1:55:B:PHE:HB3	9	1.26
(1,3695)	1:56:A:GLN:HG3	1:55:A:PHE:HB3	9	1.26
(1,3538)	1:5:B:LEU:HG	1:79:A:LEU:HD13	5	1.26
(1,3497)	1:79:A:LEU:HG	1:80:A:SER:HB3	2	1.26
(1,3430)	1:46:B:LEU:HD11	1:48:B:LYS:HA	18	1.26
(1,3429)	1:46:A:LEU:HD11	1:48:A:LYS:HA	18	1.26
(1,2556)	1:27:B:PHE:H	1:21:B:GLY:HA3	7	1.26
(1,2555)	1:27:A:PHE:H	1:21:A:GLY:HA3	7	1.26
(1,2242)	1:33:B:GLU:H	1:29:B:LEU:HB2	7	1.26
(1,2241)	1:33:A:GLU:H	1:29:A:LEU:HB2	7	1.26
(1,1448)	1:29:B:LEU:HB2	1:33:B:GLU:HB3	3	1.26
(1,1447)	1:29:A:LEU:HB2	1:33:A:GLU:HB3	3	1.26
(1,1060)	1:88:B:GLU:HG2	1:84:B:MET:HA	10	1.26
(1,1059)	1:88:A:GLU:HG2	1:84:A:MET:HA	10	1.26
(1,755)	1:31:A:LYS:HD3	1:56:A:GLN:HE21	11	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,402)	1:31:B:LYS:HG2	1:59:B:MET:HG3	8	1.26
(1,401)	1:31:A:LYS:HG2	1:59:A:MET:HG3	8	1.26
(1,182)	1:50:B:THR:HG21	1:48:B:LYS:HB3	16	1.26
(1,162)	1:13:B:VAL:HG13	1:82:A:ILE:HG22	3	1.26
(1,162)	1:13:B:VAL:HG11	1:82:A:ILE:HG21	19	1.26
(1,162)	1:13:B:VAL:HG13	1:82:A:ILE:HG21	20	1.26
(1,161)	1:13:A:VAL:HG12	1:82:B:ILE:HG22	2	1.26
(1,161)	1:13:A:VAL:HG13	1:82:B:ILE:HG22	3	1.26
(1,161)	1:13:A:VAL:HG12	1:82:B:ILE:HG21	9	1.26
(1,115)	1:2:A:ALA:HB2	1:7:A:LYS:HE3	6	1.26
(2,38)	1:40:B:ARG:HB2	1:36:B:GLU:HG2	20	1.25
(2,37)	1:40:A:ARG:HB2	1:36:A:GLU:HG2	20	1.25
(2,36)	1:33:B:GLU:HB3	1:31:B:LYS:HA	15	1.25
(2,35)	1:33:A:GLU:HB3	1:31:A:LYS:HA	15	1.25
(1,4619)	1:56:A:GLN:HE22	1:34:A:LEU:HD22	18	1.25
(1,4604)	1:73:B:GLN:H	1:13:B:VAL:HG13	7	1.25
(1,4603)	1:73:A:GLN:H	1:13:A:VAL:HG13	7	1.25
(1,4563)	1:73:A:GLN:HE22	1:96:B:LYS:HD2	18	1.25
(1,4554)	1:56:B:GLN:HE21	1:34:B:LEU:HD21	19	1.25
(1,4553)	1:56:A:GLN:HE21	1:34:A:LEU:HD21	19	1.25
(1,4530)	1:68:B:ASN:HD21	1:66:B:ARG:HB2	16	1.25
(1,4529)	1:68:A:ASN:HD21	1:66:A:ARG:HB2	16	1.25
(1,4504)	1:28:B:LYS:H	1:69:B:GLU:HG2	3	1.25
(1,4503)	1:28:A:LYS:H	1:69:A:GLU:HG2	3	1.25
(1,4481)	1:14:A:SER:H	1:79:A:LEU:HD12	8	1.25
(1,4436)	1:38:B:LEU:H	1:41:B:GLU:HG3	3	1.25
(1,4436)	1:38:B:LEU:H	1:41:B:GLU:HG3	18	1.25
(1,4435)	1:38:A:LEU:H	1:41:A:GLU:HG3	3	1.25
(1,4435)	1:38:A:LEU:H	1:41:A:GLU:HG3	18	1.25
(1,4400)	1:72:B:PHE:H	1:13:B:VAL:HG12	5	1.25
(1,4382)	1:10:B:ASP:H	1:79:A:LEU:HD23	4	1.25
(1,4382)	1:10:B:ASP:H	1:79:A:LEU:HD12	7	1.25
(1,4381)	1:10:A:ASP:H	1:79:B:LEU:HD12	7	1.25
(1,4326)	1:42:B:LEU:H	1:79:B:LEU:HD23	10	1.25
(1,4326)	1:42:B:LEU:H	1:79:B:LEU:HD23	13	1.25
(1,4325)	1:42:A:LEU:H	1:79:A:LEU:HD23	10	1.25
(1,4199)	1:50:A:THR:HB	1:49:A:ARG:HD2	7	1.25
(1,4177)	1:32:A:SER:HB2	1:31:A:LYS:HG3	18	1.25
(1,3894)	1:79:B:LEU:HD21	1:37:B:LEU:HB3	12	1.25
(1,3893)	1:79:A:LEU:HD21	1:37:A:LEU:HB3	12	1.25
(1,3892)	1:7:B:LYS:HE3	1:42:A:LEU:HD12	6	1.25
(1,3891)	1:7:A:LYS:HE3	1:42:B:LEU:HD12	6	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3890)	1:7:B:LYS:HE3	1:38:A:LEU:HD11	18	1.25
(1,3810)	1:75:B:TYR:HB2	1:70:B:VAL:HG23	9	1.25
(1,3809)	1:75:A:TYR:HB2	1:70:A:VAL:HG23	9	1.25
(1,3798)	1:16:B:PHE:HB2	1:83:A:ALA:HB1	2	1.25
(1,3797)	1:16:A:PHE:HB2	1:83:B:ALA:HB1	12	1.25
(1,3604)	1:31:B:LYS:HD3	1:35:B:LYS:H	17	1.25
(1,3603)	1:31:A:LYS:HD3	1:35:A:LYS:H	17	1.25
(1,3598)	1:96:B:LYS:HD3	1:13:A:VAL:HG12	19	1.25
(1,3537)	1:5:A:LEU:HG	1:79:B:LEU:HD13	5	1.25
(1,3526)	1:38:B:LEU:HD21	1:19:B:TYR:HB2	7	1.25
(1,3526)	1:38:B:LEU:HD21	1:19:B:TYR:HB2	12	1.25
(1,3526)	1:38:B:LEU:HD22	1:19:B:TYR:HB2	13	1.25
(1,3525)	1:38:A:LEU:HD21	1:19:A:TYR:HB2	7	1.25
(1,3525)	1:38:A:LEU:HD21	1:19:A:TYR:HB2	12	1.25
(1,3498)	1:79:B:LEU:HG	1:80:B:SER:HB3	2	1.25
(1,3484)	1:34:B:LEU:HD23	1:38:B:LEU:H	12	1.25
(1,3483)	1:34:A:LEU:HD23	1:38:A:LEU:H	12	1.25
(1,3450)	1:18:B:LYS:HG2	1:40:B:ARG:HB3	2	1.25
(1,3374)	1:70:B:VAL:HG13	1:96:A:LYS:HB3	10	1.25
(1,3373)	1:70:A:VAL:HG13	1:96:B:LYS:HB3	10	1.25
(1,3356)	1:77:B:VAL:HG12	1:74:B:GLU:HG3	1	1.25
(1,3355)	1:77:A:VAL:HG12	1:74:A:GLU:HG3	1	1.25
(1,604)	1:40:B:ARG:HG2	1:36:B:GLU:HA	11	1.25
(1,603)	1:40:A:ARG:HG2	1:36:A:GLU:HA	11	1.25
(1,181)	1:50:A:THR:HG21	1:48:A:LYS:HB3	16	1.25
(1,162)	1:13:B:VAL:HG12	1:82:A:ILE:HG22	2	1.25
(1,162)	1:13:B:VAL:HG12	1:82:A:ILE:HG21	9	1.25
(1,161)	1:13:A:VAL:HG11	1:82:B:ILE:HG21	19	1.25
(1,161)	1:13:A:VAL:HG13	1:82:B:ILE:HG21	20	1.25
(1,116)	1:2:B:ALA:HB1	1:7:B:LYS:HE3	14	1.25
(1,115)	1:2:A:ALA:HB1	1:7:A:LYS:HE3	14	1.25
(1,4620)	1:56:B:GLN:HE22	1:34:B:LEU:HD22	18	1.24
(1,4595)	1:62:A:LEU:H	1:57:A:LYS:HB3	15	1.24
(1,4564)	1:73:B:GLN:HE22	1:96:A:LYS:HD2	18	1.24
(1,4382)	1:10:B:ASP:H	1:79:A:LEU:HD23	14	1.24
(1,4381)	1:10:A:ASP:H	1:79:B:LEU:HD23	4	1.24
(1,4381)	1:10:A:ASP:H	1:79:B:LEU:HD23	14	1.24
(1,4325)	1:42:A:LEU:H	1:79:A:LEU:HD23	13	1.24
(1,4016)	1:41:B:GLU:HA	1:37:B:LEU:HD21	4	1.24
(1,4015)	1:41:A:GLU:HA	1:37:A:LEU:HD21	4	1.24
(1,3889)	1:7:A:LYS:HE3	1:38:B:LEU:HD11	18	1.24
(1,3820)	1:77:B:VAL:HG23	1:79:B:LEU:HB2	1	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3819)	1:77:A:VAL:HG23	1:79:A:LEU:HB2	1	1.24
(1,3798)	1:16:B:PHE:HB2	1:83:A:ALA:HB1	12	1.24
(1,3696)	1:56:B:GLN:HG3	1:55:B:PHE:HB3	1	1.24
(1,3696)	1:56:B:GLN:HG3	1:55:B:PHE:HB3	7	1.24
(1,3695)	1:56:A:GLN:HG3	1:55:A:PHE:HB3	1	1.24
(1,3600)	1:31:B:LYS:HD3	1:60:B:SER:HB3	15	1.24
(1,3597)	1:96:A:LYS:HD3	1:13:B:VAL:HG12	19	1.24
(1,3526)	1:38:B:LEU:HD23	1:19:B:TYR:HB2	9	1.24
(1,3525)	1:38:A:LEU:HD23	1:19:A:TYR:HB2	9	1.24
(1,3525)	1:38:A:LEU:HD22	1:19:A:TYR:HB2	13	1.24
(1,3449)	1:18:A:LYS:HG2	1:40:A:ARG:HB3	2	1.24
(1,3442)	1:58:B:LEU:HD12	1:59:B:MET:HB3	9	1.24
(1,3441)	1:58:A:LEU:HD12	1:59:A:MET:HB3	9	1.24
(1,3440)	1:58:B:LEU:HD12	1:59:B:MET:HB3	9	1.24
(1,3439)	1:58:A:LEU:HD12	1:59:A:MET:HB3	9	1.24
(1,3056)	1:97:B:GLN:HE21	1:71:A:ASP:HB2	10	1.24
(1,3055)	1:97:A:GLN:HE21	1:71:B:ASP:HB2	10	1.24
(1,2242)	1:33:B:GLU:H	1:29:B:LEU:HB2	5	1.24
(1,2241)	1:33:A:GLU:H	1:29:A:LEU:HB2	5	1.24
(1,1506)	1:92:B:GLY:HA3	1:91:B:GLU:HG3	15	1.24
(1,1505)	1:92:A:GLY:HA3	1:91:A:GLU:HG3	15	1.24
(1,1456)	1:29:B:LEU:HB3	1:70:B:VAL:HG11	1	1.24
(1,1455)	1:29:A:LEU:HB3	1:70:A:VAL:HG11	1	1.24
(1,1345)	1:96:A:LYS:HE2	1:73:B:GLN:HG3	3	1.24
(1,1061)	1:88:A:GLU:HG2	1:85:A:MET:HA	12	1.24
(1,603)	1:40:A:ARG:HG2	1:36:A:GLU:HA	7	1.24
(1,4596)	1:62:B:LEU:H	1:57:B:LYS:HB3	15	1.23
(1,4564)	1:73:B:GLN:HE22	1:96:A:LYS:HD2	19	1.23
(1,4563)	1:73:A:GLN:HE22	1:96:B:LYS:HD2	19	1.23
(1,4550)	1:60:B:SER:H	1:34:B:LEU:HD22	12	1.23
(1,4549)	1:60:A:SER:H	1:34:A:LEU:HD22	12	1.23
(1,4536)	1:41:B:GLU:H	1:79:B:LEU:HD21	18	1.23
(1,4535)	1:41:A:GLU:H	1:79:A:LEU:HD21	18	1.23
(1,4436)	1:38:B:LEU:H	1:41:B:GLU:HG3	17	1.23
(1,4382)	1:10:B:ASP:H	1:79:A:LEU:HD11	19	1.23
(1,4381)	1:10:A:ASP:H	1:79:B:LEU:HD11	19	1.23
(1,4370)	1:95:B:ASP:H	1:27:A:PHE:HB2	9	1.23
(1,4326)	1:42:B:LEU:H	1:79:B:LEU:HD21	19	1.23
(1,4325)	1:42:A:LEU:H	1:79:A:LEU:HD21	19	1.23
(1,4278)	1:75:B:TYR:H	1:34:B:LEU:HD12	1	1.23
(1,4277)	1:75:A:TYR:H	1:34:A:LEU:HD12	1	1.23
(1,4258)	1:30:B:ASN:H	1:28:B:LYS:HD2	17	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4257)	1:30:A:ASN:H	1:28:A:LYS:HD2	17	1.23
(1,4196)	1:77:B:VAL:HA	1:79:B:LEU:HD12	14	1.23
(1,4195)	1:77:A:VAL:HA	1:79:A:LEU:HD12	14	1.23
(1,4150)	1:76:B:SER:HB3	1:82:A:ILE:HB	6	1.23
(1,4028)	1:83:B:ALA:HA	1:9:A:LEU:HB3	7	1.23
(1,4027)	1:83:A:ALA:HA	1:9:B:LEU:HB3	7	1.23
(1,3910)	1:62:B:LEU:HB2	1:61:B:ASN:HB3	9	1.23
(1,3910)	1:62:B:LEU:HB2	1:75:B:TYR:HB2	20	1.23
(1,3909)	1:62:A:LEU:HB2	1:61:A:ASN:HB3	9	1.23
(1,3894)	1:79:B:LEU:HD23	1:37:B:LEU:HB3	5	1.23
(1,3732)	1:69:B:GLU:HB3	1:29:B:LEU:HD12	18	1.23
(1,3731)	1:69:A:GLU:HB3	1:29:A:LEU:HD12	18	1.23
(1,3695)	1:56:A:GLN:HG3	1:55:A:PHE:HB3	7	1.23
(1,3542)	1:37:B:LEU:HD13	1:17:B:HIS:HA	18	1.23
(1,3541)	1:37:A:LEU:HD13	1:17:A:HIS:HA	18	1.23
(1,3526)	1:38:B:LEU:HD21	1:19:B:TYR:HB2	2	1.23
(1,3525)	1:38:A:LEU:HD21	1:19:A:TYR:HB2	2	1.23
(1,3484)	1:34:B:LEU:HD21	1:38:B:LEU:H	9	1.23
(1,3483)	1:34:A:LEU:HD21	1:38:A:LEU:H	9	1.23
(1,3356)	1:77:B:VAL:HG12	1:74:B:GLU:HG3	7	1.23
(1,3355)	1:77:A:VAL:HG12	1:74:A:GLU:HG3	7	1.23
(1,3339)	1:2:A:ALA:HB1	1:42:B:LEU:HD21	16	1.23
(1,3146)	1:61:B:ASN:H	1:61:B:ASN:HD22	15	1.23
(1,3145)	1:61:A:ASN:H	1:61:A:ASN:HD22	15	1.23
(1,3048)	1:97:B:GLN:HE22	1:96:B:LYS:H	18	1.23
(1,2242)	1:33:B:GLU:H	1:29:B:LEU:HB2	11	1.23
(1,1346)	1:96:B:LYS:HE2	1:73:A:GLN:HG3	3	1.23
(1,1062)	1:88:B:GLU:HG2	1:85:B:MET:HA	12	1.23
(1,812)	1:57:B:LYS:HD2	1:59:B:MET:HB2	20	1.23
(1,811)	1:57:A:LYS:HD2	1:59:A:MET:HB2	20	1.23
(1,604)	1:40:B:ARG:HG2	1:36:B:GLU:HA	7	1.23
(1,382)	1:31:B:LYS:HG2	1:68:B:ASN:HD21	5	1.23
(1,381)	1:31:A:LYS:HG2	1:68:A:ASN:HD21	5	1.23
(1,116)	1:2:B:ALA:HB2	1:7:B:LYS:HE3	3	1.23
(1,115)	1:2:A:ALA:HB2	1:7:A:LYS:HE3	3	1.23
(2,90)	1:61:B:ASN:HA	1:66:B:ARG:HD2	15	1.22
(2,90)	1:61:B:ASN:HA	1:66:B:ARG:HD2	20	1.22
(2,89)	1:61:A:ASN:HA	1:66:A:ARG:HD2	15	1.22
(2,89)	1:61:A:ASN:HA	1:66:A:ARG:HD2	20	1.22
(1,4606)	1:73:B:GLN:H	1:29:B:LEU:HD13	13	1.22
(1,4606)	1:73:B:GLN:H	1:29:B:LEU:HD12	16	1.22
(1,4605)	1:73:A:GLN:H	1:29:A:LEU:HD12	16	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4564)	1:73:B:GLN:HE22	1:96:A:LYS:HD2	3	1.22
(1,4536)	1:41:B:GLU:H	1:79:B:LEU:HD23	1	1.22
(1,4435)	1:38:A:LEU:H	1:41:A:GLU:HG3	17	1.22
(1,4382)	1:10:B:ASP:H	1:79:A:LEU:HD11	10	1.22
(1,4381)	1:10:A:ASP:H	1:79:B:LEU:HD11	10	1.22
(1,4340)	1:13:B:VAL:H	1:79:B:LEU:HD11	15	1.22
(1,4339)	1:13:A:VAL:H	1:79:A:LEU:HD11	15	1.22
(1,4284)	1:3:B:SER:H	1:37:A:LEU:HD22	2	1.22
(1,4283)	1:3:A:SER:H	1:37:B:LEU:HD22	2	1.22
(1,4258)	1:30:B:ASN:H	1:28:B:LYS:HD2	1	1.22
(1,4257)	1:30:A:ASN:H	1:28:A:LYS:HD2	1	1.22
(1,4200)	1:50:B:THR:HB	1:49:B:ARG:HD2	16	1.22
(1,4199)	1:50:A:THR:HB	1:49:A:ARG:HD2	16	1.22
(1,4158)	1:32:B:SER:HB3	1:23:B:GLU:HG3	8	1.22
(1,4149)	1:76:A:SER:HB3	1:82:B:ILE:HB	6	1.22
(1,3909)	1:62:A:LEU:HB2	1:75:A:TYR:HB2	20	1.22
(1,3894)	1:79:B:LEU:HD21	1:37:B:LEU:HB3	19	1.22
(1,3893)	1:79:A:LEU:HD23	1:37:A:LEU:HB3	5	1.22
(1,3893)	1:79:A:LEU:HD21	1:37:A:LEU:HB3	19	1.22
(1,3810)	1:75:B:TYR:HB2	1:70:B:VAL:HG23	18	1.22
(1,3809)	1:75:A:TYR:HB2	1:70:A:VAL:HG23	18	1.22
(1,3770)	1:16:B:PHE:HB2	1:87:A:ASN:HB2	12	1.22
(1,3769)	1:16:A:PHE:HB2	1:87:B:ASN:HB2	12	1.22
(1,3738)	1:33:B:GLU:HG2	1:29:B:LEU:HD13	4	1.22
(1,3738)	1:33:B:GLU:HG3	1:29:B:LEU:HD13	5	1.22
(1,3737)	1:33:A:GLU:HG2	1:29:A:LEU:HD13	4	1.22
(1,3737)	1:33:A:GLU:HG3	1:29:A:LEU:HD13	5	1.22
(1,3599)	1:31:A:LYS:HD3	1:60:A:SER:HB3	15	1.22
(1,3552)	1:94:B:PRO:HG3	1:101:B:LYS:HD2	1	1.22
(1,3544)	1:29:B:LEU:HD21	1:69:B:GLU:HA	14	1.22
(1,3543)	1:29:A:LEU:HD21	1:69:A:GLU:HA	14	1.22
(1,3526)	1:38:B:LEU:HD23	1:19:B:TYR:HB2	1	1.22
(1,3525)	1:38:A:LEU:HD23	1:19:A:TYR:HB2	1	1.22
(1,3484)	1:34:B:LEU:HD23	1:38:B:LEU:H	5	1.22
(1,3483)	1:34:A:LEU:HD23	1:38:A:LEU:H	5	1.22
(1,3340)	1:2:B:ALA:HB1	1:9:B:LEU:HD11	10	1.22
(1,3340)	1:2:B:ALA:HB1	1:42:A:LEU:HD21	16	1.22
(1,3339)	1:2:A:ALA:HB1	1:9:A:LEU:HD11	10	1.22
(1,3339)	1:2:A:ALA:HB2	1:37:B:LEU:HD23	14	1.22
(1,3132)	1:73:B:GLN:HE22	1:62:B:LEU:HD23	14	1.22
(1,3047)	1:97:A:GLN:HE22	1:96:A:LYS:H	18	1.22
(1,2241)	1:33:A:GLU:H	1:29:A:LEU:HB2	11	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1476)	1:42:B:LEU:HB3	1:39:B:THR:H	2	1.22
(1,1475)	1:42:A:LEU:HB3	1:39:A:THR:H	2	1.22
(1,1456)	1:29:B:LEU:HB3	1:70:B:VAL:HG13	10	1.22
(1,1456)	1:29:B:LEU:HB3	1:70:B:VAL:HG11	11	1.22
(1,1455)	1:29:A:LEU:HB3	1:70:A:VAL:HG13	10	1.22
(1,1455)	1:29:A:LEU:HB3	1:70:A:VAL:HG11	11	1.22
(1,1448)	1:29:B:LEU:HB2	1:33:B:GLU:HB3	1	1.22
(1,1447)	1:29:A:LEU:HB2	1:33:A:GLU:HB3	1	1.22
(1,1062)	1:88:B:GLU:HG2	1:85:B:MET:HA	2	1.22
(1,1061)	1:88:A:GLU:HG2	1:85:A:MET:HA	2	1.22
(1,460)	1:46:B:LEU:HD21	1:82:B:ILE:HD12	16	1.22
(1,459)	1:46:A:LEU:HD21	1:82:A:ILE:HD12	16	1.22
(1,428)	1:22:B:LYS:HG3	1:19:B:TYR:HA	16	1.22
(1,427)	1:22:A:LYS:HG3	1:19:A:TYR:HA	16	1.22
(1,182)	1:50:B:THR:HG22	1:48:B:LYS:HB3	13	1.22
(1,181)	1:50:A:THR:HG22	1:48:A:LYS:HB3	13	1.22
(1,162)	1:13:B:VAL:HG11	1:82:A:ILE:HG23	12	1.22
(1,162)	1:13:B:VAL:HG12	1:82:A:ILE:HG23	17	1.22
(1,161)	1:13:A:VAL:HG11	1:82:B:ILE:HG23	12	1.22
(1,116)	1:2:B:ALA:HB2	1:7:B:LYS:HE2	2	1.22
(1,115)	1:2:A:ALA:HB2	1:7:A:LYS:HE2	2	1.22
(1,4605)	1:73:A:GLN:H	1:29:A:LEU:HD13	13	1.21
(1,4563)	1:73:A:GLN:HE22	1:96:B:LYS:HD2	3	1.21
(1,4535)	1:41:A:GLU:H	1:79:A:LEU:HD23	1	1.21
(1,4392)	1:7:B:LYS:H	1:42:A:LEU:HD21	1	1.21
(1,4391)	1:7:A:LYS:H	1:42:B:LEU:HD21	1	1.21
(1,4278)	1:75:B:TYR:H	1:34:B:LEU:HD11	15	1.21
(1,4277)	1:75:A:TYR:H	1:34:A:LEU:HD11	15	1.21
(1,4258)	1:30:B:ASN:H	1:28:B:LYS:HD2	8	1.21
(1,4257)	1:30:A:ASN:H	1:28:A:LYS:HD2	8	1.21
(1,4157)	1:32:A:SER:HB3	1:23:A:GLU:HG3	8	1.21
(1,4138)	1:31:B:LYS:HA	1:29:B:LEU:HD13	5	1.21
(1,4137)	1:31:A:LYS:HA	1:29:A:LEU:HD13	5	1.21
(1,4076)	1:37:B:LEU:HD23	1:40:B:ARG:HA	19	1.21
(1,4075)	1:37:A:LEU:HD23	1:40:A:ARG:HA	19	1.21
(1,3914)	1:40:B:ARG:HD2	1:37:B:LEU:HD22	11	1.21
(1,3913)	1:40:A:ARG:HD2	1:37:A:LEU:HD22	11	1.21
(1,3910)	1:62:B:LEU:HB2	1:61:B:ASN:HB3	12	1.21
(1,3909)	1:62:A:LEU:HB2	1:61:A:ASN:HB3	12	1.21
(1,3894)	1:79:B:LEU:HD23	1:37:B:LEU:HB3	2	1.21
(1,3893)	1:79:A:LEU:HD23	1:37:A:LEU:HB3	2	1.21
(1,3770)	1:16:B:PHE:HB2	1:18:B:LYS:HE2	10	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3769)	1:16:A:PHE:HB2	1:18:A:LYS:HE2	10	1.21
(1,3737)	1:33:A:GLU:HG3	1:29:A:LEU:HD11	2	1.21
(1,3696)	1:56:B:GLN:HG3	1:55:B:PHE:HB3	6	1.21
(1,3596)	1:11:B:VAL:HG23	1:7:B:LYS:HD3	7	1.21
(1,3595)	1:11:A:VAL:HG23	1:7:A:LYS:HD3	7	1.21
(1,3551)	1:94:A:PRO:HG3	1:101:A:LYS:HD2	1	1.21
(1,3523)	1:38:A:LEU:HD23	1:55:A:PHE:HB3	7	1.21
(1,3484)	1:34:B:LEU:HD22	1:38:B:LEU:H	13	1.21
(1,3483)	1:34:A:LEU:HD22	1:38:A:LEU:H	13	1.21
(1,3450)	1:18:B:LYS:HG2	1:22:B:LYS:HB3	15	1.21
(1,3449)	1:18:A:LYS:HG2	1:22:A:LYS:HB3	15	1.21
(1,3340)	1:2:B:ALA:HB2	1:37:A:LEU:HD23	14	1.21
(1,3131)	1:73:A:GLN:HE22	1:62:A:LEU:HD23	14	1.21
(1,2962)	1:28:B:LYS:H	1:29:B:LEU:HD12	9	1.21
(1,2962)	1:28:B:LYS:H	1:29:B:LEU:HD12	12	1.21
(1,2961)	1:28:A:LYS:H	1:29:A:LEU:HD12	9	1.21
(1,2961)	1:28:A:LYS:H	1:29:A:LEU:HD12	12	1.21
(1,2556)	1:27:B:PHE:H	1:21:B:GLY:HA3	15	1.21
(1,2555)	1:27:A:PHE:H	1:21:A:GLY:HA3	15	1.21
(1,2134)	1:25:B:ASP:H	1:28:B:LYS:HG2	16	1.21
(1,2133)	1:25:A:ASP:H	1:28:A:LYS:HG2	16	1.21
(1,1476)	1:42:B:LEU:HB3	1:39:B:THR:H	3	1.21
(1,1475)	1:42:A:LEU:HB3	1:39:A:THR:H	3	1.21
(1,382)	1:31:B:LYS:HG2	1:68:B:ASN:HD21	11	1.21
(2,285)	1:65:A:ASN:HD21	1:68:A:ASN:HD21	16	1.2
(1,4564)	1:73:B:GLN:HE22	1:96:A:LYS:HD2	1	1.2
(1,4563)	1:73:A:GLN:HE22	1:96:B:LYS:HD2	1	1.2
(1,4436)	1:38:B:LEU:H	1:41:B:GLU:HG3	20	1.2
(1,4435)	1:38:A:LEU:H	1:41:A:GLU:HG3	20	1.2
(1,4393)	1:7:A:LYS:H	1:79:B:LEU:HD21	6	1.2
(1,4370)	1:95:B:ASP:H	1:27:A:PHE:HB2	12	1.2
(1,4369)	1:95:A:ASP:H	1:27:B:PHE:HB2	9	1.2
(1,4369)	1:95:A:ASP:H	1:27:B:PHE:HB2	12	1.2
(1,4360)	1:67:B:ASP:H	1:70:B:VAL:HG22	13	1.2
(1,4359)	1:67:A:ASP:H	1:70:A:VAL:HG22	13	1.2
(1,4326)	1:42:B:LEU:H	1:79:B:LEU:HD21	3	1.2
(1,4325)	1:42:A:LEU:H	1:79:A:LEU:HD21	3	1.2
(1,4200)	1:50:B:THR:HB	1:55:B:PHE:HB2	14	1.2
(1,4199)	1:50:A:THR:HB	1:55:A:PHE:HB2	14	1.2
(1,4180)	1:60:B:SER:HB2	1:58:B:LEU:HD12	8	1.2
(1,4179)	1:60:A:SER:HB2	1:58:A:LEU:HD12	8	1.2
(1,4138)	1:31:B:LYS:HA	1:29:B:LEU:HD12	6	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4138)	1:31:B:LYS:HA	1:29:B:LEU:HD11	9	1.2
(1,4137)	1:31:A:LYS:HA	1:29:A:LEU:HD12	6	1.2
(1,4137)	1:31:A:LYS:HA	1:29:A:LEU:HD11	9	1.2
(1,3910)	1:62:B:LEU:HB2	1:75:B:TYR:HB2	8	1.2
(1,3910)	1:62:B:LEU:HB2	1:61:B:ASN:HB3	18	1.2
(1,3909)	1:62:A:LEU:HB2	1:75:A:TYR:HB2	8	1.2
(1,3909)	1:62:A:LEU:HB2	1:61:A:ASN:HB3	18	1.2
(1,3909)	1:62:A:LEU:HB2	1:61:A:ASN:HB3	19	1.2
(1,3738)	1:33:B:GLU:HG3	1:29:B:LEU:HD11	2	1.2
(1,3695)	1:56:A:GLN:HG3	1:55:A:PHE:HB3	6	1.2
(1,3564)	1:56:B:GLN:HB2	1:35:B:LYS:HG3	1	1.2
(1,3563)	1:56:A:GLN:HB2	1:35:A:LYS:HG3	1	1.2
(1,3550)	1:37:B:LEU:HD12	1:18:B:LYS:HB3	17	1.2
(1,3549)	1:37:A:LEU:HD12	1:18:A:LYS:HB3	17	1.2
(1,3544)	1:29:B:LEU:HD23	1:27:B:PHE:HA	4	1.2
(1,3524)	1:38:B:LEU:HD23	1:55:B:PHE:HB3	7	1.2
(1,3484)	1:34:B:LEU:HD22	1:38:B:LEU:H	18	1.2
(1,3483)	1:34:A:LEU:HD22	1:38:A:LEU:H	18	1.2
(1,3483)	1:34:A:LEU:HD21	1:38:A:LEU:H	19	1.2
(1,3470)	1:48:B:LYS:HG2	1:46:B:LEU:HD23	13	1.2
(1,3469)	1:48:A:LYS:HG2	1:46:A:LEU:HD23	13	1.2
(1,3442)	1:58:B:LEU:HD11	1:59:B:MET:HB3	6	1.2
(1,3442)	1:58:B:LEU:HD11	1:59:B:MET:HB3	10	1.2
(1,3442)	1:58:B:LEU:HD11	1:59:B:MET:HB3	14	1.2
(1,3442)	1:58:B:LEU:HD12	1:59:B:MET:HB3	18	1.2
(1,3441)	1:58:A:LEU:HD11	1:59:A:MET:HB3	6	1.2
(1,3441)	1:58:A:LEU:HD11	1:59:A:MET:HB3	10	1.2
(1,3441)	1:58:A:LEU:HD11	1:59:A:MET:HB3	14	1.2
(1,3441)	1:58:A:LEU:HD12	1:59:A:MET:HB3	18	1.2
(1,3440)	1:58:B:LEU:HD11	1:59:B:MET:HB3	6	1.2
(1,3440)	1:58:B:LEU:HD11	1:59:B:MET:HB3	10	1.2
(1,3440)	1:58:B:LEU:HD11	1:59:B:MET:HB3	14	1.2
(1,3440)	1:58:B:LEU:HD12	1:59:B:MET:HB3	18	1.2
(1,3439)	1:58:A:LEU:HD11	1:59:A:MET:HB3	6	1.2
(1,3439)	1:58:A:LEU:HD11	1:59:A:MET:HB3	10	1.2
(1,3439)	1:58:A:LEU:HD11	1:59:A:MET:HB3	14	1.2
(1,3439)	1:58:A:LEU:HD12	1:59:A:MET:HB3	18	1.2
(1,3434)	1:38:B:LEU:HD13	1:41:B:GLU:HB3	14	1.2
(1,3370)	1:50:B:THR:HG23	1:49:B:ARG:HD2	14	1.2
(1,3369)	1:50:A:THR:HG23	1:49:A:ARG:HD2	14	1.2
(1,3341)	1:2:A:ALA:HB2	1:79:B:LEU:HD11	3	1.2
(1,2962)	1:28:B:LYS:H	1:29:B:LEU:HD12	10	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2961)	1:28:A:LYS:H	1:29:A:LEU:HD12	10	1.2
(1,944)	1:59:B:MET:HG3	1:31:B:LYS:HE2	8	1.2
(1,943)	1:59:A:MET:HG3	1:31:A:LYS:HE2	8	1.2
(1,680)	1:88:B:GLU:HB2	1:97:B:GLN:HE21	16	1.2
(1,679)	1:88:A:GLU:HB2	1:97:A:GLN:HE21	16	1.2
(1,560)	1:94:B:PRO:HG2	1:101:B:LYS:HE2	4	1.2
(1,560)	1:94:B:PRO:HG3	1:101:B:LYS:HE3	19	1.2
(1,508)	1:34:B:LEU:HD22	1:59:B:MET:HG2	8	1.2
(1,507)	1:34:A:LEU:HD22	1:59:A:MET:HG2	8	1.2
(1,381)	1:31:A:LYS:HG2	1:68:A:ASN:HD21	11	1.2
(1,161)	1:13:A:VAL:HG12	1:82:B:ILE:HG23	17	1.2
(2,286)	1:65:B:ASN:HD21	1:68:B:ASN:HD21	16	1.19
(1,4619)	1:56:A:GLN:HE22	1:34:A:LEU:HD22	14	1.19
(1,4604)	1:73:B:GLN:H	1:13:B:VAL:HG12	5	1.19
(1,4603)	1:73:A:GLN:H	1:13:A:VAL:HG12	5	1.19
(1,4564)	1:73:B:GLN:HE22	1:96:A:LYS:HD2	15	1.19
(1,4504)	1:28:B:LYS:H	1:33:B:GLU:HB3	20	1.19
(1,4436)	1:38:B:LEU:H	1:41:B:GLU:HG3	2	1.19
(1,4436)	1:38:B:LEU:H	1:41:B:GLU:HG3	14	1.19
(1,4435)	1:38:A:LEU:H	1:41:A:GLU:HG3	2	1.19
(1,4435)	1:38:A:LEU:H	1:41:A:GLU:HG3	14	1.19
(1,4394)	1:7:B:LYS:H	1:79:A:LEU:HD21	6	1.19
(1,4278)	1:75:B:TYR:H	1:34:B:LEU:HD12	8	1.19
(1,4277)	1:75:A:TYR:H	1:34:A:LEU:HD12	8	1.19
(1,4196)	1:77:B:VAL:HA	1:79:B:LEU:HD11	6	1.19
(1,4195)	1:77:A:VAL:HA	1:79:A:LEU:HD11	6	1.19
(1,4030)	1:49:B:ARG:HA	1:46:B:LEU:HD21	18	1.19
(1,4029)	1:49:A:ARG:HA	1:46:A:LEU:HD21	18	1.19
(1,4028)	1:83:B:ALA:HA	1:9:A:LEU:HB3	20	1.19
(1,3910)	1:62:B:LEU:HB2	1:61:B:ASN:HB3	1	1.19
(1,3910)	1:62:B:LEU:HB2	1:61:B:ASN:HB3	19	1.19
(1,3798)	1:16:B:PHE:HB2	1:83:A:ALA:HB2	4	1.19
(1,3769)	1:16:A:PHE:HB2	1:87:B:ASN:HB2	15	1.19
(1,3738)	1:33:B:GLU:HG2	1:29:B:LEU:HD13	8	1.19
(1,3737)	1:33:A:GLU:HG2	1:29:A:LEU:HD13	8	1.19
(1,3597)	1:7:A:LYS:HD3	1:9:A:LEU:HD12	5	1.19
(1,3552)	1:94:B:PRO:HG3	1:101:B:LYS:HD2	4	1.19
(1,3551)	1:94:A:PRO:HG3	1:101:A:LYS:HD2	4	1.19
(1,3550)	1:37:B:LEU:HD13	1:18:B:LYS:HB3	6	1.19
(1,3549)	1:37:A:LEU:HD13	1:18:A:LYS:HB3	6	1.19
(1,3544)	1:29:B:LEU:HD23	1:69:B:GLU:HA	2	1.19
(1,3543)	1:29:A:LEU:HD23	1:69:A:GLU:HA	2	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3543)	1:29:A:LEU:HD23	1:27:A:PHE:HA	4	1.19
(1,3537)	1:5:A:LEU:HG	1:79:B:LEU:HD13	16	1.19
(1,3534)	1:98:B:PRO:HG2	1:99:B:ARG:HB2	16	1.19
(1,3533)	1:98:A:PRO:HG2	1:99:A:ARG:HB2	16	1.19
(1,3524)	1:38:B:LEU:HD22	1:55:B:PHE:HB3	14	1.19
(1,3523)	1:38:A:LEU:HD22	1:55:A:PHE:HB3	14	1.19
(1,3484)	1:34:B:LEU:HD21	1:38:B:LEU:H	19	1.19
(1,3470)	1:48:B:LYS:HG3	1:46:B:LEU:HD23	14	1.19
(1,3450)	1:18:B:LYS:HG2	1:40:B:ARG:HB3	11	1.19
(1,3449)	1:18:A:LYS:HG2	1:40:A:ARG:HB3	11	1.19
(1,3433)	1:38:A:LEU:HD13	1:41:A:GLU:HB3	14	1.19
(1,3342)	1:2:B:ALA:HB2	1:79:A:LEU:HD11	3	1.19
(1,1520)	1:26:B:LYS:HB3	1:21:B:GLY:HA3	19	1.19
(1,1476)	1:42:B:LEU:HB3	1:39:B:THR:H	9	1.19
(1,1476)	1:42:B:LEU:HB3	1:39:B:THR:H	17	1.19
(1,1475)	1:42:A:LEU:HB3	1:39:A:THR:H	9	1.19
(1,1460)	1:29:B:LEU:HB2	1:34:B:LEU:HD13	16	1.19
(1,1459)	1:29:A:LEU:HB2	1:34:A:LEU:HD13	16	1.19
(1,1456)	1:29:B:LEU:HB3	1:70:B:VAL:HG13	8	1.19
(1,1456)	1:29:B:LEU:HB3	1:70:B:VAL:HG13	18	1.19
(1,1455)	1:29:A:LEU:HB3	1:70:A:VAL:HG13	18	1.19
(1,1345)	1:96:A:LYS:HE2	1:73:B:GLN:HG3	7	1.19
(1,1138)	1:84:B:MET:HG3	1:85:B:MET:HG2	10	1.19
(1,1137)	1:84:A:MET:HG3	1:85:A:MET:HG2	10	1.19
(1,559)	1:94:A:PRO:HG2	1:101:A:LYS:HE2	4	1.19
(1,559)	1:94:A:PRO:HG3	1:101:A:LYS:HE3	19	1.19
(1,161)	1:13:A:VAL:HG11	1:82:B:ILE:HG23	8	1.19
(1,116)	1:2:B:ALA:HB3	1:7:B:LYS:HE2	12	1.19
(1,115)	1:2:A:ALA:HB3	1:7:A:LYS:HE2	12	1.19
(2,90)	1:61:B:ASN:HA	1:66:B:ARG:HD2	5	1.18
(2,89)	1:61:A:ASN:HA	1:66:A:ARG:HD2	5	1.18
(1,4620)	1:56:B:GLN:HE22	1:34:B:LEU:HD22	7	1.18
(1,4620)	1:56:B:GLN:HE22	1:34:B:LEU:HD22	14	1.18
(1,4619)	1:56:A:GLN:HE22	1:34:A:LEU:HD22	7	1.18
(1,4563)	1:73:A:GLN:HE22	1:96:B:LYS:HD2	15	1.18
(1,4550)	1:60:B:SER:H	1:34:B:LEU:HD21	18	1.18
(1,4550)	1:60:B:SER:H	1:34:B:LEU:HD22	20	1.18
(1,4549)	1:60:A:SER:H	1:34:A:LEU:HD21	18	1.18
(1,4549)	1:60:A:SER:H	1:34:A:LEU:HD22	20	1.18
(1,4536)	1:41:B:GLU:H	1:79:B:LEU:HD21	15	1.18
(1,4535)	1:41:A:GLU:H	1:79:A:LEU:HD21	15	1.18
(1,4503)	1:28:A:LYS:H	1:33:A:GLU:HB3	20	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4382)	1:10:B:ASP:H	1:79:A:LEU:HD23	12	1.18
(1,4381)	1:10:A:ASP:H	1:79:B:LEU:HD13	9	1.18
(1,4340)	1:13:B:VAL:H	1:79:B:LEU:HD11	8	1.18
(1,4278)	1:75:B:TYR:H	1:34:B:LEU:HD11	19	1.18
(1,4277)	1:75:A:TYR:H	1:34:A:LEU:HD11	19	1.18
(1,4027)	1:83:A:ALA:HA	1:9:B:LEU:HB3	20	1.18
(1,3910)	1:62:B:LEU:HB2	1:61:B:ASN:HB3	7	1.18
(1,3909)	1:62:A:LEU:HB2	1:61:A:ASN:HB3	1	1.18
(1,3909)	1:62:A:LEU:HB2	1:61:A:ASN:HB3	7	1.18
(1,3894)	1:79:B:LEU:HD23	1:37:B:LEU:HB3	1	1.18
(1,3894)	1:79:B:LEU:HD22	1:37:B:LEU:HB3	8	1.18
(1,3893)	1:79:A:LEU:HD23	1:37:A:LEU:HB3	1	1.18
(1,3893)	1:79:A:LEU:HD22	1:37:A:LEU:HB3	8	1.18
(1,3810)	1:75:B:TYR:HB2	1:37:B:LEU:HD12	7	1.18
(1,3810)	1:75:B:TYR:HB2	1:70:B:VAL:HG23	8	1.18
(1,3809)	1:75:A:TYR:HB2	1:37:A:LEU:HD12	7	1.18
(1,3809)	1:75:A:TYR:HB2	1:70:A:VAL:HG23	8	1.18
(1,3798)	1:16:B:PHE:HB2	1:37:B:LEU:HB3	19	1.18
(1,3797)	1:16:A:PHE:HB2	1:37:A:LEU:HB3	19	1.18
(1,3770)	1:16:B:PHE:HB2	1:18:B:LYS:HE2	1	1.18
(1,3770)	1:16:B:PHE:HB2	1:18:B:LYS:HE2	9	1.18
(1,3769)	1:16:A:PHE:HB2	1:18:A:LYS:HE2	9	1.18
(1,3696)	1:56:B:GLN:HG3	1:55:B:PHE:HB3	5	1.18
(1,3695)	1:56:A:GLN:HG3	1:55:A:PHE:HB3	5	1.18
(1,3627)	1:59:A:MET:HB3	1:55:A:PHE:HB3	15	1.18
(1,3598)	1:7:B:LYS:HD3	1:9:B:LEU:HD12	5	1.18
(1,3538)	1:5:B:LEU:HG	1:79:A:LEU:HD12	2	1.18
(1,3538)	1:5:B:LEU:HG	1:79:A:LEU:HD13	16	1.18
(1,3537)	1:5:A:LEU:HG	1:79:B:LEU:HD12	2	1.18
(1,3469)	1:48:A:LYS:HG3	1:46:A:LEU:HD23	14	1.18
(1,3370)	1:50:B:THR:HG23	1:49:B:ARG:HD2	20	1.18
(1,3369)	1:50:A:THR:HG23	1:49:A:ARG:HD2	20	1.18
(1,2556)	1:27:B:PHE:H	1:21:B:GLY:HA3	16	1.18
(1,2555)	1:27:A:PHE:H	1:21:A:GLY:HA3	16	1.18
(1,2242)	1:33:B:GLU:H	1:29:B:LEU:HB2	19	1.18
(1,1519)	1:26:A:LYS:HB3	1:21:A:GLY:HA3	19	1.18
(1,1475)	1:42:A:LEU:HB3	1:39:A:THR:H	17	1.18
(1,1460)	1:29:B:LEU:HB2	1:34:B:LEU:HD11	17	1.18
(1,1459)	1:29:A:LEU:HB2	1:34:A:LEU:HD11	17	1.18
(1,1455)	1:29:A:LEU:HB3	1:70:A:VAL:HG13	8	1.18
(1,1346)	1:96:B:LYS:HE2	1:73:A:GLN:HG3	7	1.18
(1,1138)	1:84:B:MET:HG3	1:85:B:MET:HG2	13	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1137)	1:84:A:MET:HG3	1:85:A:MET:HG2	13	1.18
(1,936)	1:98:B:PRO:HB3	1:101:B:LYS:HG3	4	1.18
(1,935)	1:98:A:PRO:HB3	1:101:A:LYS:HG3	4	1.18
(1,162)	1:13:B:VAL:HG11	1:82:A:ILE:HG22	5	1.18
(1,162)	1:13:B:VAL:HG11	1:82:A:ILE:HG23	8	1.18
(1,161)	1:13:A:VAL:HG11	1:82:B:ILE:HG22	5	1.18
(2,286)	1:65:B:ASN:HD21	1:68:B:ASN:HD21	3	1.17
(2,285)	1:65:A:ASN:HD21	1:68:A:ASN:HD21	3	1.17
(2,45)	1:59:A:MET:HG3	1:66:A:ARG:HD2	3	1.17
(1,4596)	1:88:B:GLU:H	1:94:B:PRO:HB2	10	1.17
(1,4595)	1:88:A:GLU:H	1:94:A:PRO:HB2	10	1.17
(1,4554)	1:56:B:GLN:HE21	1:34:B:LEU:HD21	14	1.17
(1,4553)	1:56:A:GLN:HE21	1:34:A:LEU:HD21	14	1.17
(1,4394)	1:7:B:LYS:H	1:79:A:LEU:HD11	10	1.17
(1,4382)	1:10:B:ASP:H	1:79:A:LEU:HD13	9	1.17
(1,4381)	1:10:A:ASP:H	1:79:B:LEU:HD23	12	1.17
(1,4339)	1:13:A:VAL:H	1:79:A:LEU:HD11	8	1.17
(1,4200)	1:50:B:THR:HB	1:49:B:ARG:HD2	13	1.17
(1,4199)	1:50:A:THR:HB	1:49:A:ARG:HD2	13	1.17
(1,4196)	1:77:B:VAL:HA	1:79:B:LEU:HD21	7	1.17
(1,4195)	1:77:A:VAL:HA	1:79:A:LEU:HD21	7	1.17
(1,4194)	1:77:B:VAL:HA	1:62:B:LEU:HB3	8	1.17
(1,4193)	1:77:A:VAL:HA	1:62:A:LEU:HB3	8	1.17
(1,4138)	1:31:B:LYS:HA	1:29:B:LEU:HD13	8	1.17
(1,4138)	1:31:B:LYS:HA	1:29:B:LEU:HD11	16	1.17
(1,4137)	1:31:A:LYS:HA	1:29:A:LEU:HD13	1	1.17
(1,4137)	1:31:A:LYS:HA	1:29:A:LEU:HD13	8	1.17
(1,4137)	1:31:A:LYS:HA	1:29:A:LEU:HD11	16	1.17
(1,4028)	1:83:B:ALA:HA	1:9:A:LEU:HB3	16	1.17
(1,4027)	1:83:A:ALA:HA	1:9:B:LEU:HB3	16	1.17
(1,3820)	1:79:B:LEU:HB2	1:79:A:LEU:HB2	2	1.17
(1,3820)	1:79:B:LEU:HB2	1:79:A:LEU:HB2	11	1.17
(1,3820)	1:79:B:LEU:HB2	1:79:A:LEU:HB2	20	1.17
(1,3819)	1:79:A:LEU:HB2	1:79:B:LEU:HB2	2	1.17
(1,3819)	1:79:A:LEU:HB2	1:79:B:LEU:HB2	11	1.17
(1,3819)	1:79:A:LEU:HB2	1:79:B:LEU:HB2	20	1.17
(1,3810)	1:75:B:TYR:HB2	1:70:B:VAL:HG21	11	1.17
(1,3809)	1:75:A:TYR:HB2	1:70:A:VAL:HG21	11	1.17
(1,3803)	1:16:A:PHE:HB2	1:79:A:LEU:HG	9	1.17
(1,3798)	1:16:B:PHE:HB2	1:83:A:ALA:HB3	16	1.17
(1,3798)	1:16:B:PHE:HB2	1:83:A:ALA:HB2	18	1.17
(1,3797)	1:16:A:PHE:HB2	1:83:B:ALA:HB2	4	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3770)	1:16:B:PHE:HB2	1:87:A:ASN:HB2	4	1.17
(1,3769)	1:16:A:PHE:HB2	1:18:A:LYS:HE2	1	1.17
(1,3738)	1:33:B:GLU:HG3	1:29:B:LEU:HD13	11	1.17
(1,3732)	1:69:B:GLU:HB3	1:29:B:LEU:HD11	8	1.17
(1,3628)	1:59:B:MET:HB3	1:55:B:PHE:HB3	15	1.17
(1,3538)	1:5:B:LEU:HG	1:79:A:LEU:HD13	8	1.17
(1,3537)	1:5:A:LEU:HG	1:79:B:LEU:HD13	8	1.17
(1,3470)	1:48:B:LYS:HG2	1:46:B:LEU:HD23	4	1.17
(1,3342)	1:2:B:ALA:HB1	1:79:A:LEU:HD11	10	1.17
(1,2242)	1:33:B:GLU:H	1:29:B:LEU:HB2	6	1.17
(1,2241)	1:33:A:GLU:H	1:29:A:LEU:HB2	6	1.17
(1,2241)	1:33:A:GLU:H	1:29:A:LEU:HB2	19	1.17
(1,604)	1:40:B:ARG:HG2	1:36:B:GLU:HA	6	1.17
(1,603)	1:40:A:ARG:HG2	1:36:A:GLU:HA	6	1.17
(1,460)	1:46:B:LEU:HD23	1:82:B:ILE:HD12	17	1.17
(2,285)	1:65:A:ASN:HD21	1:68:A:ASN:HD21	8	1.16
(2,46)	1:59:B:MET:HG3	1:66:B:ARG:HD2	3	1.16
(1,4620)	1:56:B:GLN:HE22	1:34:B:LEU:HD22	1	1.16
(1,4435)	1:38:A:LEU:H	1:41:A:GLU:HG3	12	1.16
(1,4393)	1:7:A:LYS:H	1:79:B:LEU:HD11	10	1.16
(1,4382)	1:10:B:ASP:H	1:79:A:LEU:HD21	8	1.16
(1,4381)	1:10:A:ASP:H	1:79:B:LEU:HD21	8	1.16
(1,4264)	1:33:B:GLU:H	1:34:B:LEU:HD13	14	1.16
(1,4263)	1:33:A:GLU:H	1:34:A:LEU:HD13	14	1.16
(1,4180)	1:60:B:SER:HB3	1:58:B:LEU:HD11	5	1.16
(1,4179)	1:60:A:SER:HB3	1:58:A:LEU:HD11	5	1.16
(1,4138)	1:31:B:LYS:HA	1:29:B:LEU:HD13	1	1.16
(1,3810)	1:75:B:TYR:HB2	1:70:B:VAL:HG21	14	1.16
(1,3809)	1:75:A:TYR:HB2	1:70:A:VAL:HG21	14	1.16
(1,3804)	1:16:B:PHE:HB2	1:79:B:LEU:HG	9	1.16
(1,3798)	1:16:B:PHE:HB2	1:83:A:ALA:HB2	7	1.16
(1,3798)	1:16:B:PHE:HB2	1:83:A:ALA:HB3	20	1.16
(1,3797)	1:16:A:PHE:HB2	1:83:B:ALA:HB3	16	1.16
(1,3797)	1:16:A:PHE:HB2	1:83:B:ALA:HB2	18	1.16
(1,3770)	1:16:B:PHE:HB2	1:87:A:ASN:HB2	15	1.16
(1,3738)	1:33:B:GLU:HG2	1:29:B:LEU:HD11	19	1.16
(1,3738)	1:33:B:GLU:HG2	1:29:B:LEU:HD13	20	1.16
(1,3737)	1:33:A:GLU:HG3	1:29:A:LEU:HD13	11	1.16
(1,3737)	1:33:A:GLU:HG2	1:29:A:LEU:HD11	19	1.16
(1,3732)	1:69:B:GLU:HB3	1:29:B:LEU:HD12	2	1.16
(1,3731)	1:69:A:GLU:HB3	1:29:A:LEU:HD12	2	1.16
(1,3731)	1:69:A:GLU:HB3	1:29:A:LEU:HD11	8	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3666)	1:29:B:LEU:HD12	1:18:B:LYS:HB3	11	1.16
(1,3665)	1:29:A:LEU:HD12	1:18:A:LYS:HB3	11	1.16
(1,3498)	1:79:B:LEU:HG	1:80:A:SER:HB3	10	1.16
(1,3484)	1:34:B:LEU:HD23	1:38:B:LEU:H	20	1.16
(1,3483)	1:34:A:LEU:HD23	1:38:A:LEU:H	20	1.16
(1,3469)	1:48:A:LYS:HG2	1:46:A:LEU:HD23	4	1.16
(1,3391)	1:68:A:ASN:HD21	1:70:A:VAL:HG22	15	1.16
(1,3341)	1:2:A:ALA:HB1	1:79:B:LEU:HD11	10	1.16
(1,3340)	1:2:B:ALA:HB1	1:11:A:VAL:HG12	1	1.16
(1,3339)	1:2:A:ALA:HB1	1:11:B:VAL:HG12	1	1.16
(1,3047)	1:97:A:GLN:HE22	1:96:A:LYS:H	11	1.16
(1,2556)	1:27:B:PHE:H	1:21:B:GLY:HA3	17	1.16
(1,2555)	1:27:A:PHE:H	1:21:A:GLY:HA3	17	1.16
(1,1472)	1:42:B:LEU:HB3	1:38:B:LEU:H	11	1.16
(1,1471)	1:42:A:LEU:HB3	1:38:A:LEU:H	11	1.16
(1,1137)	1:84:A:MET:HG3	1:85:A:MET:HG2	6	1.16
(1,1137)	1:84:A:MET:HG3	1:85:A:MET:HG2	14	1.16
(1,460)	1:46:B:LEU:HD22	1:82:B:ILE:HD11	5	1.16
(1,459)	1:46:A:LEU:HD22	1:82:A:ILE:HD11	5	1.16
(1,459)	1:46:A:LEU:HD23	1:82:A:ILE:HD12	17	1.16
(2,286)	1:65:B:ASN:HD21	1:68:B:ASN:HD21	8	1.15
(2,90)	1:61:B:ASN:HA	1:66:B:ARG:HD2	19	1.15
(1,4620)	1:56:B:GLN:HE22	1:34:B:LEU:HD21	11	1.15
(1,4619)	1:56:A:GLN:HE22	1:34:A:LEU:HD22	1	1.15
(1,4619)	1:56:A:GLN:HE22	1:34:A:LEU:HD21	11	1.15
(1,4618)	1:97:B:GLN:HE22	1:88:B:GLU:HB2	14	1.15
(1,4617)	1:97:A:GLN:HE22	1:88:A:GLU:HB2	14	1.15
(1,4606)	1:73:B:GLN:H	1:29:B:LEU:HD11	20	1.15
(1,4605)	1:73:A:GLN:H	1:29:A:LEU:HD11	20	1.15
(1,4564)	1:73:B:GLN:HE22	1:96:A:LYS:HD2	4	1.15
(1,4563)	1:73:A:GLN:HE22	1:96:B:LYS:HD2	4	1.15
(1,4436)	1:38:B:LEU:H	1:41:B:GLU:HG3	12	1.15
(1,4400)	1:72:B:PHE:H	1:13:B:VAL:HG13	7	1.15
(1,4394)	1:7:B:LYS:H	1:79:A:LEU:HD23	4	1.15
(1,4382)	1:10:B:ASP:H	1:79:A:LEU:HD23	18	1.15
(1,4326)	1:42:B:LEU:H	1:79:B:LEU:HD23	5	1.15
(1,4325)	1:42:A:LEU:H	1:79:A:LEU:HD23	5	1.15
(1,4323)	1:42:A:LEU:H	1:37:A:LEU:HD22	7	1.15
(1,4196)	1:77:B:VAL:HA	1:79:B:LEU:HD11	5	1.15
(1,4195)	1:77:A:VAL:HA	1:79:A:LEU:HD11	5	1.15
(1,4180)	1:60:B:SER:HB3	1:58:B:LEU:HD13	11	1.15
(1,4179)	1:60:A:SER:HB3	1:58:A:LEU:HD13	2	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4138)	1:31:B:LYS:HA	1:29:B:LEU:HD12	3	1.15
(1,4137)	1:31:A:LYS:HA	1:29:A:LEU:HD12	3	1.15
(1,3913)	1:40:A:ARG:HD2	1:37:A:LEU:HD23	8	1.15
(1,3910)	1:62:B:LEU:HB2	1:61:B:ASN:HB3	13	1.15
(1,3909)	1:62:A:LEU:HB2	1:61:A:ASN:HB3	13	1.15
(1,3893)	1:79:A:LEU:HD22	1:37:A:LEU:HB3	6	1.15
(1,3892)	1:7:B:LYS:HE3	1:9:B:LEU:HD21	7	1.15
(1,3891)	1:7:A:LYS:HE3	1:9:A:LEU:HD21	7	1.15
(1,3797)	1:16:A:PHE:HB2	1:83:B:ALA:HB2	7	1.15
(1,3797)	1:16:A:PHE:HB2	1:83:B:ALA:HB3	20	1.15
(1,3770)	1:16:B:PHE:HB2	1:18:B:LYS:HE2	18	1.15
(1,3769)	1:16:A:PHE:HB2	1:18:A:LYS:HE2	18	1.15
(1,3760)	1:27:B:PHE:HB2	1:96:A:LYS:H	10	1.15
(1,3737)	1:33:A:GLU:HG2	1:29:A:LEU:HD13	20	1.15
(1,3690)	1:56:B:GLN:HG3	1:55:B:PHE:HA	8	1.15
(1,3689)	1:56:A:GLN:HG3	1:55:A:PHE:HA	8	1.15
(1,3538)	1:5:B:LEU:HG	1:79:A:LEU:HD13	9	1.15
(1,3538)	1:5:B:LEU:HG	1:79:A:LEU:HD11	14	1.15
(1,3537)	1:5:A:LEU:HG	1:79:B:LEU:HD11	14	1.15
(1,3497)	1:79:A:LEU:HG	1:80:B:SER:HB3	10	1.15
(1,3470)	1:48:B:LYS:HG2	1:46:B:LEU:HD23	1	1.15
(1,3469)	1:48:A:LYS:HG2	1:46:A:LEU:HD23	1	1.15
(1,3442)	1:58:B:LEU:HD12	1:38:B:LEU:HB3	7	1.15
(1,3441)	1:58:A:LEU:HD12	1:38:A:LEU:HB3	7	1.15
(1,3440)	1:58:B:LEU:HD12	1:38:B:LEU:HB3	7	1.15
(1,3439)	1:58:A:LEU:HD12	1:38:A:LEU:HB3	7	1.15
(1,3392)	1:68:B:ASN:HD21	1:70:B:VAL:HG22	15	1.15
(1,3048)	1:97:B:GLN:HE22	1:96:B:LYS:H	11	1.15
(1,2962)	1:28:B:LYS:H	1:29:B:LEU:HD11	1	1.15
(1,2961)	1:28:A:LYS:H	1:29:A:LEU:HD11	1	1.15
(1,2631)	1:95:A:ASP:H	1:97:A:GLN:HE22	4	1.15
(1,2564)	1:27:B:PHE:H	1:28:B:LYS:HG2	4	1.15
(1,2563)	1:27:A:PHE:H	1:28:A:LYS:HG2	4	1.15
(1,1346)	1:96:B:LYS:HE2	1:73:A:GLN:HG3	10	1.15
(1,1345)	1:96:A:LYS:HE2	1:73:B:GLN:HG3	10	1.15
(1,1138)	1:84:B:MET:HG3	1:85:B:MET:HG2	6	1.15
(1,1138)	1:84:B:MET:HG3	1:85:B:MET:HG2	14	1.15
(1,1062)	1:88:B:GLU:HG2	1:85:B:MET:HA	4	1.15
(1,1061)	1:88:A:GLU:HG2	1:85:A:MET:HA	4	1.15
(1,1060)	1:88:B:GLU:HG2	1:84:B:MET:HA	12	1.15
(1,1059)	1:88:A:GLU:HG2	1:84:A:MET:HA	12	1.15
(1,908)	1:94:B:PRO:HB3	1:99:B:ARG:HG3	17	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,907)	1:94:A:PRO:HB3	1:99:A:ARG:HG3	17	1.15
(1,786)	1:38:B:LEU:H	1:41:B:GLU:HB3	7	1.15
(1,785)	1:38:A:LEU:H	1:41:A:GLU:HB3	7	1.15
(1,604)	1:40:B:ARG:HG2	1:36:B:GLU:HA	13	1.15
(1,604)	1:40:B:ARG:HG2	1:36:B:GLU:HA	16	1.15
(1,603)	1:40:A:ARG:HG2	1:36:A:GLU:HA	13	1.15
(1,603)	1:40:A:ARG:HG2	1:36:A:GLU:HA	16	1.15
(1,508)	1:34:B:LEU:HD22	1:59:B:MET:HG2	3	1.15
(1,507)	1:34:A:LEU:HD22	1:59:A:MET:HG2	3	1.15
(1,1)	1:96:A:LYS:HD2	1:75:B:TYR:HB3	4	1.15
(2,89)	1:61:A:ASN:HA	1:66:A:ARG:HD2	19	1.14
(1,4604)	1:73:B:GLN:H	1:13:B:VAL:HG11	4	1.14
(1,4603)	1:73:A:GLN:H	1:13:A:VAL:HG11	4	1.14
(1,4564)	1:73:B:GLN:HE22	1:96:A:LYS:HD2	2	1.14
(1,4563)	1:73:A:GLN:HE22	1:96:B:LYS:HD2	2	1.14
(1,4563)	1:73:A:GLN:HE22	1:96:B:LYS:HD2	8	1.14
(1,4399)	1:72:A:PHE:H	1:13:A:VAL:HG13	7	1.14
(1,4381)	1:10:A:ASP:H	1:79:B:LEU:HD13	20	1.14
(1,4324)	1:42:B:LEU:H	1:37:B:LEU:HD22	7	1.14
(1,4200)	1:50:B:THR:HB	1:55:B:PHE:HB2	5	1.14
(1,4180)	1:60:B:SER:HB3	1:58:B:LEU:HD13	2	1.14
(1,4179)	1:60:A:SER:HB3	1:58:A:LEU:HD13	11	1.14
(1,4064)	1:37:B:LEU:HD11	1:17:B:HIS:HA	15	1.14
(1,4063)	1:37:A:LEU:HD11	1:17:A:HIS:HA	15	1.14
(1,4016)	1:41:B:GLU:HA	1:37:B:LEU:HD22	20	1.14
(1,4015)	1:41:A:GLU:HA	1:37:A:LEU:HD22	20	1.14
(1,3914)	1:40:B:ARG:HD2	1:37:B:LEU:HD23	8	1.14
(1,3894)	1:79:B:LEU:HD22	1:37:B:LEU:HB3	6	1.14
(1,3893)	1:79:A:LEU:HD22	1:37:A:LEU:HB3	20	1.14
(1,3810)	1:75:B:TYR:HB2	1:70:B:VAL:HG21	4	1.14
(1,3809)	1:75:A:TYR:HB2	1:70:A:VAL:HG21	4	1.14
(1,3769)	1:16:A:PHE:HB2	1:87:B:ASN:HB2	4	1.14
(1,3768)	1:84:B:MET:HB3	1:87:B:ASN:HB2	18	1.14
(1,3767)	1:84:A:MET:HB3	1:87:A:ASN:HB2	18	1.14
(1,3759)	1:27:A:PHE:HB2	1:96:B:LYS:H	10	1.14
(1,3738)	1:33:B:GLU:HG2	1:29:B:LEU:HD11	16	1.14
(1,3737)	1:33:A:GLU:HG2	1:29:A:LEU:HD11	16	1.14
(1,3696)	1:56:B:GLN:HG3	1:55:B:PHE:HB3	8	1.14
(1,3695)	1:56:A:GLN:HG3	1:55:A:PHE:HB3	8	1.14
(1,3676)	1:59:B:MET:HG2	1:31:B:LYS:HB2	19	1.14
(1,3545)	1:29:A:LEU:HD22	1:22:A:LYS:HE3	1	1.14
(1,3544)	1:29:B:LEU:HD22	1:27:B:PHE:HA	19	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3543)	1:29:A:LEU:HD22	1:27:A:PHE:HA	19	1.14
(1,3537)	1:5:A:LEU:HG	1:79:B:LEU:HD13	9	1.14
(1,3442)	1:58:B:LEU:HD13	1:59:B:MET:HB3	12	1.14
(1,3441)	1:58:A:LEU:HD13	1:59:A:MET:HB3	12	1.14
(1,3440)	1:58:B:LEU:HD13	1:59:B:MET:HB3	12	1.14
(1,3439)	1:58:A:LEU:HD13	1:59:A:MET:HB3	12	1.14
(1,3132)	1:73:B:GLN:HE22	1:62:B:LEU:HD22	6	1.14
(1,3131)	1:73:A:GLN:HE22	1:62:A:LEU:HD22	6	1.14
(1,2962)	1:28:B:LYS:H	1:29:B:LEU:HD13	19	1.14
(1,2961)	1:28:A:LYS:H	1:29:A:LEU:HD13	19	1.14
(1,2632)	1:95:B:ASP:H	1:97:B:GLN:HE22	15	1.14
(1,2631)	1:95:A:ASP:H	1:97:A:GLN:HE22	15	1.14
(1,2564)	1:27:B:PHE:H	1:28:B:LYS:HG2	1	1.14
(1,2563)	1:27:A:PHE:H	1:28:A:LYS:HG2	1	1.14
(1,2092)	1:26:B:LYS:H	1:21:B:GLY:HA3	9	1.14
(1,2091)	1:26:A:LYS:H	1:21:A:GLY:HA3	9	1.14
(1,1476)	1:42:B:LEU:HB3	1:39:B:THR:H	7	1.14
(1,1476)	1:42:B:LEU:HB3	1:39:B:THR:H	10	1.14
(1,1475)	1:42:A:LEU:HB3	1:39:A:THR:H	7	1.14
(1,1475)	1:42:A:LEU:HB3	1:39:A:THR:H	10	1.14
(1,1138)	1:84:B:MET:HG3	1:85:B:MET:HG2	19	1.14
(1,706)	1:88:B:GLU:HB2	1:96:B:LYS:HG3	12	1.14
(1,706)	1:88:B:GLU:HB2	1:96:B:LYS:HG3	18	1.14
(1,705)	1:88:A:GLU:HB2	1:96:A:LYS:HG3	12	1.14
(1,705)	1:88:A:GLU:HB2	1:96:A:LYS:HG3	18	1.14
(1,604)	1:40:B:ARG:HG2	1:36:B:GLU:HA	5	1.14
(1,603)	1:40:A:ARG:HG2	1:36:A:GLU:HA	5	1.14
(1,2)	1:96:B:LYS:HD2	1:75:A:TYR:HB3	9	1.14
(1,1)	1:96:A:LYS:HD2	1:75:B:TYR:HB2	14	1.14
(2,94)	1:61:B:ASN:HA	1:63:B:ASP:HB2	19	1.13
(2,90)	1:61:B:ASN:HA	1:66:B:ARG:HD2	7	1.13
(2,90)	1:61:B:ASN:HA	1:66:B:ARG:HD2	10	1.13
(2,89)	1:61:A:ASN:HA	1:66:A:ARG:HD2	10	1.13
(1,4620)	1:56:B:GLN:HE22	1:34:B:LEU:HD22	10	1.13
(1,4619)	1:56:A:GLN:HE22	1:34:A:LEU:HD22	10	1.13
(1,4606)	1:73:B:GLN:H	1:29:B:LEU:HD12	18	1.13
(1,4605)	1:73:A:GLN:H	1:29:A:LEU:HD12	18	1.13
(1,4596)	1:62:B:LEU:H	1:57:B:LYS:HB3	18	1.13
(1,4595)	1:62:A:LEU:H	1:57:A:LYS:HB3	18	1.13
(1,4564)	1:73:B:GLN:HE22	1:96:A:LYS:HD2	6	1.13
(1,4564)	1:73:B:GLN:HE22	1:96:A:LYS:HD2	8	1.13
(1,4554)	1:56:B:GLN:HE21	1:34:B:LEU:HD21	15	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4550)	1:60:B:SER:H	1:34:B:LEU:HD23	5	1.13
(1,4549)	1:60:A:SER:H	1:34:A:LEU:HD23	5	1.13
(1,4504)	1:28:B:LYS:H	1:69:B:GLU:HG2	6	1.13
(1,4503)	1:28:A:LYS:H	1:69:A:GLU:HG2	6	1.13
(1,4393)	1:7:A:LYS:H	1:79:B:LEU:HD23	4	1.13
(1,4382)	1:10:B:ASP:H	1:79:A:LEU:HD13	20	1.13
(1,4381)	1:10:A:ASP:H	1:79:B:LEU:HD23	18	1.13
(1,4369)	1:95:A:ASP:H	1:27:B:PHE:HB2	19	1.13
(1,4199)	1:50:A:THR:HB	1:55:A:PHE:HB2	5	1.13
(1,4064)	1:17:B:HIS:HA	1:13:B:VAL:HG12	18	1.13
(1,4063)	1:17:A:HIS:HA	1:13:A:VAL:HG12	18	1.13
(1,4016)	1:41:B:GLU:HA	1:42:B:LEU:HD21	16	1.13
(1,4015)	1:41:A:GLU:HA	1:42:A:LEU:HD21	16	1.13
(1,3894)	1:79:B:LEU:HD21	1:37:B:LEU:HB3	11	1.13
(1,3894)	1:79:B:LEU:HD22	1:37:B:LEU:HB3	20	1.13
(1,3893)	1:79:A:LEU:HD21	1:37:A:LEU:HB3	11	1.13
(1,3860)	1:31:B:LYS:HE2	1:52:B:GLU:HA	19	1.13
(1,3755)	1:70:A:VAL:HG23	1:74:A:GLU:HG3	14	1.13
(1,3690)	1:56:B:GLN:HG3	1:55:B:PHE:HA	6	1.13
(1,3690)	1:56:B:GLN:HG2	1:55:B:PHE:HA	20	1.13
(1,3689)	1:56:A:GLN:HG3	1:55:A:PHE:HA	6	1.13
(1,3689)	1:56:A:GLN:HG2	1:55:A:PHE:HA	20	1.13
(1,3675)	1:59:A:MET:HG2	1:31:A:LYS:HB2	19	1.13
(1,3600)	1:31:B:LYS:HD2	1:32:B:SER:HB2	8	1.13
(1,3599)	1:31:A:LYS:HD2	1:32:A:SER:HB2	8	1.13
(1,3546)	1:29:B:LEU:HD22	1:22:B:LYS:HE3	1	1.13
(1,3538)	1:5:B:LEU:HG	1:79:A:LEU:HD11	18	1.13
(1,3450)	1:18:B:LYS:HG2	1:40:B:ARG:HB3	12	1.13
(1,3449)	1:18:A:LYS:HG2	1:40:A:ARG:HB3	12	1.13
(1,3442)	1:58:B:LEU:HD11	1:59:B:MET:HB3	1	1.13
(1,3441)	1:58:A:LEU:HD11	1:59:A:MET:HB3	1	1.13
(1,3440)	1:58:B:LEU:HD11	1:59:B:MET:HB3	1	1.13
(1,3439)	1:58:A:LEU:HD11	1:59:A:MET:HB3	1	1.13
(1,3392)	1:68:B:ASN:HD21	1:70:B:VAL:HG23	12	1.13
(1,3391)	1:68:A:ASN:HD21	1:70:A:VAL:HG23	12	1.13
(1,3131)	1:73:A:GLN:HE22	1:62:A:LEU:HD21	17	1.13
(1,2962)	1:28:B:LYS:H	1:29:B:LEU:HD12	18	1.13
(1,2961)	1:28:A:LYS:H	1:29:A:LEU:HD12	18	1.13
(1,2632)	1:95:B:ASP:H	1:97:B:GLN:HE22	4	1.13
(1,2242)	1:33:B:GLU:H	1:29:B:LEU:HB2	2	1.13
(1,2241)	1:33:A:GLU:H	1:29:A:LEU:HB2	2	1.13
(1,2241)	1:33:A:GLU:H	1:29:A:LEU:HB2	14	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1346)	1:96:B:LYS:HE2	1:73:A:GLN:HG3	12	1.13
(1,1137)	1:84:A:MET:HG3	1:85:A:MET:HG2	19	1.13
(1,1062)	1:88:B:GLU:HG2	1:85:B:MET:HA	5	1.13
(1,1061)	1:88:A:GLU:HG2	1:85:A:MET:HA	5	1.13
(1,622)	1:29:B:LEU:HD22	1:70:B:VAL:HG12	6	1.13
(1,621)	1:29:A:LEU:HD22	1:70:A:VAL:HG12	6	1.13
(1,604)	1:40:B:ARG:HG2	1:36:B:GLU:HA	1	1.13
(1,603)	1:40:A:ARG:HG2	1:36:A:GLU:HA	1	1.13
(1,508)	1:34:B:LEU:HD23	1:59:B:MET:HG2	4	1.13
(1,507)	1:34:A:LEU:HD23	1:59:A:MET:HG2	4	1.13
(1,476)	1:28:B:LYS:HG2	1:25:B:ASP:HB2	2	1.13
(1,475)	1:28:A:LYS:HG2	1:25:A:ASP:HB2	2	1.13
(1,460)	1:46:B:LEU:HD21	1:82:B:ILE:HD11	6	1.13
(1,459)	1:46:A:LEU:HD21	1:82:A:ILE:HD11	6	1.13
(1,182)	1:50:B:THR:HG22	1:48:B:LYS:HB3	6	1.13
(1,181)	1:50:A:THR:HG22	1:48:A:LYS:HB3	6	1.13
(1,162)	1:13:B:VAL:HG13	1:82:A:ILE:HG21	4	1.13
(1,116)	1:2:B:ALA:HB2	1:7:B:LYS:HE2	11	1.13
(1,2)	1:96:B:LYS:HD2	1:75:A:TYR:HB3	4	1.13
(1,2)	1:96:B:LYS:HD2	1:75:A:TYR:HB2	14	1.13
(1,1)	1:96:A:LYS:HD2	1:75:B:TYR:HB3	9	1.13
(2,93)	1:61:A:ASN:HA	1:63:A:ASP:HB2	19	1.12
(2,90)	1:61:B:ASN:HA	1:66:B:ARG:HD2	6	1.12
(2,89)	1:61:A:ASN:HA	1:66:A:ARG:HD2	6	1.12
(2,89)	1:61:A:ASN:HA	1:66:A:ARG:HD2	7	1.12
(1,4563)	1:73:A:GLN:HE22	1:96:B:LYS:HD2	6	1.12
(1,4553)	1:56:A:GLN:HE21	1:34:A:LEU:HD21	15	1.12
(1,4504)	1:28:B:LYS:H	1:33:B:GLU:HB3	7	1.12
(1,4503)	1:28:A:LYS:H	1:33:A:GLU:HB3	7	1.12
(1,4454)	1:69:B:GLU:H	1:28:B:LYS:HG3	13	1.12
(1,4454)	1:69:B:GLU:H	1:28:B:LYS:HG3	19	1.12
(1,4453)	1:69:A:GLU:H	1:28:A:LYS:HG3	13	1.12
(1,4453)	1:69:A:GLU:H	1:28:A:LYS:HG3	19	1.12
(1,4430)	1:34:B:LEU:H	1:34:B:LEU:HD12	15	1.12
(1,4429)	1:34:A:LEU:H	1:34:A:LEU:HD12	15	1.12
(1,4400)	1:72:B:PHE:H	1:13:B:VAL:HG11	13	1.12
(1,4399)	1:72:A:PHE:H	1:13:A:VAL:HG11	13	1.12
(1,4394)	1:7:B:LYS:H	1:79:A:LEU:HD13	9	1.12
(1,4393)	1:7:A:LYS:H	1:79:B:LEU:HD13	9	1.12
(1,4388)	1:76:B:SER:H	1:13:B:VAL:HG13	9	1.12
(1,4387)	1:76:A:SER:H	1:13:A:VAL:HG13	9	1.12
(1,4370)	1:95:B:ASP:H	1:27:A:PHE:HB2	19	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4258)	1:30:B:ASN:H	1:28:B:LYS:HD2	12	1.12
(1,4257)	1:30:A:ASN:H	1:31:A:LYS:HG2	6	1.12
(1,4257)	1:30:A:ASN:H	1:28:A:LYS:HD2	12	1.12
(1,4200)	1:50:B:THR:HB	1:49:B:ARG:HD2	4	1.12
(1,4199)	1:50:A:THR:HB	1:49:A:ARG:HD2	4	1.12
(1,4198)	1:50:B:THR:HB	1:54:B:ALA:H	4	1.12
(1,4197)	1:50:A:THR:HB	1:54:A:ALA:H	4	1.12
(1,4164)	1:14:B:SER:HB3	1:18:B:LYS:HD3	7	1.12
(1,4138)	1:31:B:LYS:HA	1:29:B:LEU:HD11	19	1.12
(1,4137)	1:31:A:LYS:HA	1:29:A:LEU:HD11	19	1.12
(1,3880)	1:51:B:ASP:HB2	1:56:B:GLN:HB3	16	1.12
(1,3879)	1:51:A:ASP:HB2	1:56:A:GLN:HB3	16	1.12
(1,3859)	1:31:A:LYS:HE2	1:52:A:GLU:HA	19	1.12
(1,3810)	1:75:B:TYR:HB2	1:70:B:VAL:HG23	2	1.12
(1,3809)	1:75:A:TYR:HB2	1:70:A:VAL:HG23	2	1.12
(1,3804)	1:16:B:PHE:HB2	1:79:B:LEU:HG	10	1.12
(1,3798)	1:16:B:PHE:HB2	1:83:A:ALA:HB3	9	1.12
(1,3797)	1:16:A:PHE:HB2	1:83:B:ALA:HB3	9	1.12
(1,3756)	1:70:B:VAL:HG23	1:74:B:GLU:HG3	14	1.12
(1,3738)	1:33:B:GLU:HG2	1:29:B:LEU:HD11	7	1.12
(1,3737)	1:33:A:GLU:HG2	1:29:A:LEU:HD11	7	1.12
(1,3732)	1:69:B:GLU:HB3	1:29:B:LEU:HD12	9	1.12
(1,3731)	1:69:A:GLU:HB3	1:29:A:LEU:HD12	9	1.12
(1,3696)	1:56:B:GLN:HG3	1:55:B:PHE:HB3	3	1.12
(1,3690)	1:73:B:GLN:HG2	1:80:A:SER:HA	2	1.12
(1,3689)	1:73:A:GLN:HG2	1:80:B:SER:HA	2	1.12
(1,3689)	1:56:A:GLN:HG3	1:55:A:PHE:HA	4	1.12
(1,3605)	1:28:A:LYS:HD3	1:67:A:ASP:HB2	7	1.12
(1,3537)	1:5:A:LEU:HG	1:79:B:LEU:HD11	18	1.12
(1,3450)	1:18:B:LYS:HG2	1:40:B:ARG:HB3	9	1.12
(1,3449)	1:18:A:LYS:HG2	1:40:A:ARG:HB3	9	1.12
(1,3442)	1:58:B:LEU:HD11	1:59:B:MET:HB3	3	1.12
(1,3441)	1:58:A:LEU:HD11	1:59:A:MET:HB3	3	1.12
(1,3441)	1:58:A:LEU:HD11	1:59:A:MET:HB3	4	1.12
(1,3440)	1:58:B:LEU:HD11	1:59:B:MET:HB3	3	1.12
(1,3439)	1:58:A:LEU:HD11	1:59:A:MET:HB3	3	1.12
(1,3439)	1:58:A:LEU:HD11	1:59:A:MET:HB3	4	1.12
(1,3434)	1:38:B:LEU:HD13	1:41:B:GLU:HB3	19	1.12
(1,3433)	1:38:A:LEU:HD13	1:41:A:GLU:HB3	19	1.12
(1,3132)	1:73:B:GLN:HE22	1:62:B:LEU:HD21	17	1.12
(1,3124)	1:73:B:GLN:HE22	1:78:B:PHE:HB2	2	1.12
(1,3124)	1:73:B:GLN:HE22	1:78:B:PHE:HB2	14	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3123)	1:73:A:GLN:HE22	1:78:A:PHE:HB2	2	1.12
(1,2962)	1:28:B:LYS:H	1:29:B:LEU:HD12	16	1.12
(1,2961)	1:28:A:LYS:H	1:29:A:LEU:HD12	16	1.12
(1,2242)	1:33:B:GLU:H	1:29:B:LEU:HB2	14	1.12
(1,1345)	1:96:A:LYS:HE2	1:73:B:GLN:HG3	12	1.12
(1,936)	1:98:B:PRO:HB3	1:101:B:LYS:HG3	6	1.12
(1,935)	1:98:A:PRO:HB3	1:101:A:LYS:HG3	6	1.12
(1,124)	1:2:B:ALA:HB2	1:5:B:LEU:HD12	7	1.12
(1,123)	1:2:A:ALA:HB2	1:5:A:LEU:HD12	7	1.12
(1,115)	1:2:A:ALA:HB2	1:7:A:LYS:HE2	11	1.12
(1,1)	1:96:A:LYS:HD2	1:75:B:TYR:HB3	16	1.12
(2,36)	1:33:B:GLU:HB3	1:31:B:LYS:HA	14	1.11
(2,35)	1:33:A:GLU:HB3	1:31:A:LYS:HA	14	1.11
(1,4618)	1:97:B:GLN:HE22	1:96:B:LYS:HB2	9	1.11
(1,4617)	1:97:A:GLN:HE22	1:96:A:LYS:HB2	9	1.11
(1,4606)	1:73:B:GLN:H	1:29:B:LEU:HD13	6	1.11
(1,4564)	1:73:B:GLN:HE22	1:96:A:LYS:HD2	14	1.11
(1,4562)	1:73:B:GLN:HE22	1:77:B:VAL:HA	7	1.11
(1,4561)	1:73:A:GLN:HE22	1:77:A:VAL:HA	7	1.11
(1,4550)	1:60:B:SER:H	1:34:B:LEU:HD21	13	1.11
(1,4549)	1:60:A:SER:H	1:34:A:LEU:HD21	13	1.11
(1,4430)	1:34:B:LEU:H	1:34:B:LEU:HD13	10	1.11
(1,4429)	1:34:A:LEU:H	1:34:A:LEU:HD13	10	1.11
(1,4393)	1:7:A:LYS:H	1:79:B:LEU:HD21	8	1.11
(1,4388)	1:76:B:SER:H	1:13:B:VAL:HG13	16	1.11
(1,4387)	1:76:A:SER:H	1:13:A:VAL:HG13	16	1.11
(1,4382)	1:10:B:ASP:H	1:79:A:LEU:HD23	17	1.11
(1,4381)	1:10:A:ASP:H	1:79:B:LEU:HD23	17	1.11
(1,4326)	1:42:B:LEU:H	1:79:B:LEU:HD21	14	1.11
(1,4325)	1:42:A:LEU:H	1:79:A:LEU:HD21	14	1.11
(1,4278)	1:75:B:TYR:H	1:34:B:LEU:HD13	11	1.11
(1,4277)	1:75:A:TYR:H	1:34:A:LEU:HD13	11	1.11
(1,4258)	1:30:B:ASN:H	1:31:B:LYS:HG2	6	1.11
(1,4200)	1:50:B:THR:HB	1:49:B:ARG:HD2	10	1.11
(1,4199)	1:50:A:THR:HB	1:49:A:ARG:HD2	10	1.11
(1,4163)	1:14:A:SER:HB3	1:18:A:LYS:HD3	7	1.11
(1,4138)	1:31:B:LYS:HA	1:29:B:LEU:HD13	4	1.11
(1,4137)	1:31:A:LYS:HA	1:29:A:LEU:HD13	4	1.11
(1,3880)	1:18:B:LYS:HE3	1:36:B:GLU:HB2	8	1.11
(1,3879)	1:18:A:LYS:HE3	1:36:A:GLU:HB2	8	1.11
(1,3810)	1:75:B:TYR:HB2	1:70:B:VAL:HG23	6	1.11
(1,3809)	1:75:A:TYR:HB2	1:70:A:VAL:HG23	6	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3803)	1:16:A:PHE:HB2	1:79:A:LEU:HG	10	1.11
(1,3738)	1:33:B:GLU:HG2	1:29:B:LEU:HD13	17	1.11
(1,3737)	1:33:A:GLU:HG2	1:29:A:LEU:HD13	17	1.11
(1,3695)	1:56:A:GLN:HG3	1:55:A:PHE:HB3	3	1.11
(1,3690)	1:56:B:GLN:HG3	1:55:B:PHE:HA	4	1.11
(1,3690)	1:56:B:GLN:HG3	1:55:B:PHE:HA	10	1.11
(1,3690)	1:56:B:GLN:HG3	1:55:B:PHE:HA	14	1.11
(1,3689)	1:56:A:GLN:HG3	1:55:A:PHE:HA	14	1.11
(1,3606)	1:28:B:LYS:HD3	1:67:B:ASP:HB2	7	1.11
(1,3538)	1:5:B:LEU:HG	1:79:A:LEU:HD13	12	1.11
(1,3442)	1:58:B:LEU:HD11	1:59:B:MET:HB3	4	1.11
(1,3442)	1:58:B:LEU:HD11	1:38:B:LEU:HB3	11	1.11
(1,3440)	1:58:B:LEU:HD11	1:59:B:MET:HB3	4	1.11
(1,3440)	1:58:B:LEU:HD11	1:38:B:LEU:HB3	11	1.11
(1,3356)	1:77:B:VAL:HG11	1:74:B:GLU:HG3	15	1.11
(1,3355)	1:77:A:VAL:HG11	1:74:A:GLU:HG3	15	1.11
(1,3123)	1:73:A:GLN:HE22	1:78:A:PHE:HB2	14	1.11
(1,3123)	1:73:A:GLN:HE22	1:78:A:PHE:HB2	19	1.11
(1,3048)	1:97:B:GLN:HE22	1:96:B:LYS:H	1	1.11
(1,3047)	1:97:A:GLN:HE22	1:96:A:LYS:H	1	1.11
(1,2962)	1:28:B:LYS:H	1:29:B:LEU:HD13	3	1.11
(1,2961)	1:28:A:LYS:H	1:29:A:LEU:HD13	3	1.11
(1,2556)	1:27:B:PHE:H	1:21:B:GLY:HA3	11	1.11
(1,2555)	1:27:A:PHE:H	1:21:A:GLY:HA3	11	1.11
(1,2134)	1:25:B:ASP:H	1:28:B:LYS:HG2	14	1.11
(1,2133)	1:25:A:ASP:H	1:28:A:LYS:HG2	14	1.11
(1,1472)	1:42:B:LEU:HB3	1:38:B:LEU:H	20	1.11
(1,1471)	1:42:A:LEU:HB3	1:38:A:LEU:H	20	1.11
(1,1356)	1:22:B:LYS:HE3	1:22:B:LYS:HB3	12	1.11
(1,1355)	1:22:A:LYS:HE3	1:22:A:LYS:HB3	12	1.11
(1,604)	1:40:B:ARG:HG2	1:36:B:GLU:HA	14	1.11
(1,603)	1:40:A:ARG:HG2	1:36:A:GLU:HA	14	1.11
(1,459)	1:46:A:LEU:HD23	1:82:A:ILE:HD12	4	1.11
(1,162)	1:13:B:VAL:HG13	1:82:A:ILE:HG23	13	1.11
(1,2)	1:96:B:LYS:HD2	1:75:A:TYR:HB3	16	1.11
(1,4605)	1:73:A:GLN:H	1:29:A:LEU:HD13	6	1.1
(1,4596)	1:88:B:GLU:H	1:94:B:PRO:HB2	20	1.1
(1,4595)	1:88:A:GLU:H	1:94:A:PRO:HB2	20	1.1
(1,4563)	1:73:A:GLN:HE22	1:96:B:LYS:HD2	14	1.1
(1,4550)	1:60:B:SER:H	1:34:B:LEU:HD23	14	1.1
(1,4549)	1:60:A:SER:H	1:34:A:LEU:HD23	14	1.1
(1,4506)	1:32:B:SER:H	1:31:B:LYS:HE3	5	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4505)	1:32:A:SER:H	1:31:A:LYS:HE3	5	1.1
(1,4454)	1:69:B:GLU:H	1:31:B:LYS:HG2	14	1.1
(1,4453)	1:69:A:GLU:H	1:31:A:LYS:HG2	14	1.1
(1,4436)	1:38:B:LEU:H	1:41:B:GLU:HG3	16	1.1
(1,4435)	1:38:A:LEU:H	1:41:A:GLU:HG3	16	1.1
(1,4430)	1:34:B:LEU:H	1:34:B:LEU:HD12	5	1.1
(1,4429)	1:34:A:LEU:H	1:34:A:LEU:HD12	5	1.1
(1,4394)	1:7:B:LYS:H	1:79:A:LEU:HD21	8	1.1
(1,4388)	1:76:B:SER:H	1:13:B:VAL:HG11	4	1.1
(1,4387)	1:76:A:SER:H	1:13:A:VAL:HG11	4	1.1
(1,4326)	1:42:B:LEU:H	1:79:B:LEU:HD21	17	1.1
(1,4325)	1:42:A:LEU:H	1:79:A:LEU:HD21	17	1.1
(1,4028)	1:83:B:ALA:HA	1:9:A:LEU:HB3	15	1.1
(1,4016)	1:41:B:GLU:HA	1:37:B:LEU:HD22	7	1.1
(1,4016)	1:41:B:GLU:HA	1:37:B:LEU:HD21	10	1.1
(1,4015)	1:41:A:GLU:HA	1:37:A:LEU:HD22	7	1.1
(1,4015)	1:41:A:GLU:HA	1:37:A:LEU:HD21	10	1.1
(1,3914)	1:40:B:ARG:HD2	1:37:B:LEU:HD23	6	1.1
(1,3913)	1:40:A:ARG:HD2	1:37:A:LEU:HD23	6	1.1
(1,3910)	1:62:B:LEU:HB2	1:75:B:TYR:HB2	3	1.1
(1,3909)	1:62:A:LEU:HB2	1:75:A:TYR:HB2	3	1.1
(1,3880)	1:51:B:ASP:HB3	1:56:B:GLN:HB3	15	1.1
(1,3854)	1:32:B:SER:H	1:31:B:LYS:HE3	5	1.1
(1,3853)	1:32:A:SER:H	1:31:A:LYS:HE3	5	1.1
(1,3792)	1:61:B:ASN:HB3	1:81:B:SER:HB2	17	1.1
(1,3732)	1:69:B:GLU:HB3	1:29:B:LEU:HD13	3	1.1
(1,3731)	1:69:A:GLU:HB3	1:29:A:LEU:HD13	3	1.1
(1,3690)	1:56:B:GLN:HG3	1:55:B:PHE:HA	1	1.1
(1,3689)	1:56:A:GLN:HG3	1:55:A:PHE:HA	1	1.1
(1,3689)	1:56:A:GLN:HG3	1:55:A:PHE:HA	10	1.1
(1,3598)	1:96:B:LYS:HD3	1:13:A:VAL:HG13	17	1.1
(1,3596)	1:11:B:VAL:HG22	1:7:B:LYS:HD2	8	1.1
(1,3595)	1:11:A:VAL:HG22	1:7:A:LYS:HD2	8	1.1
(1,3552)	1:94:B:PRO:HG3	1:101:B:LYS:HD2	8	1.1
(1,3551)	1:94:A:PRO:HG3	1:101:A:LYS:HD2	8	1.1
(1,3546)	1:29:B:LEU:HD22	1:22:B:LYS:HE2	20	1.1
(1,3545)	1:29:A:LEU:HD22	1:22:A:LYS:HE2	20	1.1
(1,3538)	1:5:B:LEU:HG	1:79:A:LEU:HD12	11	1.1
(1,3538)	1:5:B:LEU:HG	1:79:A:LEU:HD13	20	1.1
(1,3537)	1:5:A:LEU:HG	1:79:B:LEU:HD13	12	1.1
(1,3537)	1:5:A:LEU:HG	1:79:B:LEU:HD13	15	1.1
(1,3537)	1:5:A:LEU:HG	1:79:B:LEU:HD13	20	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3450)	1:18:B:LYS:HG2	1:22:B:LYS:HB3	1	1.1
(1,3442)	1:58:B:LEU:HD11	1:38:B:LEU:HB3	13	1.1
(1,3441)	1:58:A:LEU:HD11	1:38:A:LEU:HB3	11	1.1
(1,3441)	1:58:A:LEU:HD11	1:38:A:LEU:HB3	13	1.1
(1,3440)	1:58:B:LEU:HD11	1:38:B:LEU:HB3	13	1.1
(1,3439)	1:58:A:LEU:HD11	1:38:A:LEU:HB3	11	1.1
(1,3439)	1:58:A:LEU:HD11	1:38:A:LEU:HB3	13	1.1
(1,3132)	1:73:B:GLN:HE22	1:62:B:LEU:HD23	4	1.1
(1,3132)	1:73:B:GLN:HE22	1:62:B:LEU:HD21	5	1.1
(1,3131)	1:73:A:GLN:HE22	1:62:A:LEU:HD23	18	1.1
(1,3124)	1:73:B:GLN:HE22	1:78:B:PHE:HB2	19	1.1
(1,2962)	1:28:B:LYS:H	1:29:B:LEU:HD12	7	1.1
(1,2563)	1:27:A:PHE:H	1:28:A:LYS:HG2	15	1.1
(1,1476)	1:42:B:LEU:HB3	1:39:B:THR:H	8	1.1
(1,1475)	1:42:A:LEU:HB3	1:39:A:THR:H	8	1.1
(1,1346)	1:96:B:LYS:HE3	1:73:A:GLN:HG3	5	1.1
(1,840)	1:59:B:MET:HB3	1:62:B:LEU:HD13	5	1.1
(1,755)	1:31:A:LYS:HD3	1:56:A:GLN:HE21	10	1.1
(1,604)	1:40:B:ARG:HG2	1:36:B:GLU:HA	9	1.1
(1,603)	1:40:A:ARG:HG2	1:36:A:GLU:HA	9	1.1
(1,460)	1:46:B:LEU:HD23	1:82:B:ILE:HD12	4	1.1
(1,161)	1:13:A:VAL:HG13	1:82:B:ILE:HG21	4	1.1
(2,36)	1:33:B:GLU:HB3	1:31:B:LYS:HA	5	1.09
(2,36)	1:33:B:GLU:HB3	1:31:B:LYS:HA	19	1.09
(2,35)	1:33:A:GLU:HB3	1:31:A:LYS:HA	5	1.09
(2,35)	1:33:A:GLU:HB3	1:31:A:LYS:HA	19	1.09
(1,4618)	1:97:B:GLN:HE22	1:88:B:GLU:HB2	18	1.09
(1,4617)	1:97:A:GLN:HE22	1:88:A:GLU:HB2	18	1.09
(1,4606)	1:73:B:GLN:H	1:29:B:LEU:HD12	10	1.09
(1,4605)	1:73:A:GLN:H	1:29:A:LEU:HD12	10	1.09
(1,4596)	1:62:B:LEU:H	1:57:B:LYS:HB3	9	1.09
(1,4595)	1:62:A:LEU:H	1:57:A:LYS:HB3	9	1.09
(1,4554)	1:56:B:GLN:HE21	1:34:B:LEU:HD23	17	1.09
(1,4550)	1:60:B:SER:H	1:34:B:LEU:HD23	9	1.09
(1,4549)	1:60:A:SER:H	1:34:A:LEU:HD23	9	1.09
(1,4503)	1:28:A:LYS:H	1:69:A:GLU:HG2	15	1.09
(1,4430)	1:34:B:LEU:H	1:34:B:LEU:HD12	3	1.09
(1,4429)	1:34:A:LEU:H	1:34:A:LEU:HD12	3	1.09
(1,4369)	1:95:A:ASP:H	1:27:B:PHE:HB2	16	1.09
(1,4258)	1:30:B:ASN:H	1:28:B:LYS:HD2	20	1.09
(1,4257)	1:30:A:ASN:H	1:28:A:LYS:HD2	20	1.09
(1,4064)	1:37:B:LEU:HD13	1:17:B:HIS:HA	12	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4063)	1:37:A:LEU:HD13	1:17:A:HIS:HA	12	1.09
(1,4027)	1:83:A:ALA:HA	1:9:B:LEU:HB3	15	1.09
(1,3910)	1:62:B:LEU:HB2	1:75:B:TYR:HB2	5	1.09
(1,3909)	1:62:A:LEU:HB2	1:75:A:TYR:HB2	5	1.09
(1,3890)	1:7:B:LYS:HE3	1:38:A:LEU:HD12	17	1.09
(1,3879)	1:51:A:ASP:HB3	1:56:A:GLN:HB3	11	1.09
(1,3879)	1:51:A:ASP:HB3	1:56:A:GLN:HB3	15	1.09
(1,3804)	1:16:B:PHE:HB2	1:79:B:LEU:HG	8	1.09
(1,3804)	1:16:B:PHE:HB2	1:79:B:LEU:HG	12	1.09
(1,3804)	1:16:B:PHE:HB2	1:70:B:VAL:HG13	18	1.09
(1,3803)	1:16:A:PHE:HB2	1:79:A:LEU:HG	12	1.09
(1,3798)	1:16:B:PHE:HB2	1:83:A:ALA:HB1	13	1.09
(1,3791)	1:61:A:ASN:HB3	1:81:A:SER:HB2	17	1.09
(1,3772)	1:85:B:MET:HG2	1:89:B:PHE:HB3	10	1.09
(1,3771)	1:85:A:MET:HG2	1:89:A:PHE:HB3	10	1.09
(1,3732)	1:69:B:GLU:HB3	1:29:B:LEU:HD11	12	1.09
(1,3732)	1:69:B:GLU:HB3	1:29:B:LEU:HD11	20	1.09
(1,3731)	1:69:A:GLU:HB3	1:29:A:LEU:HD11	12	1.09
(1,3731)	1:69:A:GLU:HB3	1:29:A:LEU:HD11	20	1.09
(1,3696)	1:56:B:GLN:HG2	1:55:B:PHE:HB3	12	1.09
(1,3695)	1:56:A:GLN:HG2	1:55:A:PHE:HB3	12	1.09
(1,3603)	1:31:A:LYS:HD3	1:35:A:LYS:H	16	1.09
(1,3558)	1:40:B:ARG:HG2	1:36:B:GLU:HG2	18	1.09
(1,3557)	1:40:A:ARG:HG2	1:36:A:GLU:HG2	18	1.09
(1,3550)	1:37:B:LEU:HD11	1:18:B:LYS:HB3	4	1.09
(1,3538)	1:5:B:LEU:HG	1:79:A:LEU:HD13	15	1.09
(1,3537)	1:5:A:LEU:HG	1:79:B:LEU:HD11	19	1.09
(1,3524)	1:38:B:LEU:HD21	1:45:B:PHE:HB3	19	1.09
(1,3523)	1:38:A:LEU:HD21	1:45:A:PHE:HB3	19	1.09
(1,3512)	1:42:B:LEU:HD22	1:6:A:GLU:HA	6	1.09
(1,3483)	1:34:A:LEU:HD22	1:38:A:LEU:H	6	1.09
(1,3449)	1:18:A:LYS:HG2	1:22:A:LYS:HB3	1	1.09
(1,3434)	1:38:B:LEU:HD12	1:41:B:GLU:HB3	5	1.09
(1,3433)	1:38:A:LEU:HD12	1:41:A:GLU:HB3	5	1.09
(1,3430)	1:46:B:LEU:HD13	1:48:B:LYS:HA	20	1.09
(1,3429)	1:46:A:LEU:HD13	1:48:A:LYS:HA	20	1.09
(1,3312)	1:82:B:ILE:HD11	1:10:A:ASP:HB2	7	1.09
(1,3311)	1:82:A:ILE:HD11	1:10:B:ASP:HB2	7	1.09
(1,3132)	1:73:B:GLN:HE22	1:62:B:LEU:HD23	18	1.09
(1,3131)	1:73:A:GLN:HE22	1:62:A:LEU:HD23	4	1.09
(1,3131)	1:73:A:GLN:HE22	1:62:A:LEU:HD21	5	1.09
(1,3048)	1:97:B:GLN:HE22	1:96:B:LYS:H	9	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2962)	1:28:B:LYS:H	1:29:B:LEU:HD12	4	1.09
(1,2961)	1:28:A:LYS:H	1:29:A:LEU:HD12	4	1.09
(1,2961)	1:28:A:LYS:H	1:29:A:LEU:HD12	7	1.09
(1,2632)	1:95:B:ASP:H	1:97:B:GLN:HE22	9	1.09
(1,2632)	1:95:B:ASP:H	1:97:B:GLN:HE22	19	1.09
(1,2632)	1:95:B:ASP:H	1:97:B:GLN:HE22	20	1.09
(1,2631)	1:95:A:ASP:H	1:97:A:GLN:HE22	9	1.09
(1,2564)	1:27:B:PHE:H	1:28:B:LYS:HG2	15	1.09
(1,1345)	1:96:A:LYS:HE2	1:73:B:GLN:HG3	2	1.09
(1,1345)	1:96:A:LYS:HE3	1:73:B:GLN:HG3	5	1.09
(1,839)	1:59:A:MET:HB3	1:62:A:LEU:HD13	5	1.09
(1,756)	1:31:B:LYS:HD2	1:56:B:GLN:HE21	5	1.09
(1,756)	1:31:B:LYS:HD3	1:56:B:GLN:HE21	10	1.09
(1,755)	1:31:A:LYS:HD2	1:56:A:GLN:HE21	5	1.09
(1,161)	1:13:A:VAL:HG13	1:82:B:ILE:HG23	13	1.09
(1,40)	1:82:B:ILE:HD13	1:6:A:GLU:HB2	20	1.09
(1,39)	1:82:A:ILE:HD13	1:6:B:GLU:HB2	20	1.09
(1,1)	1:96:A:LYS:HD2	1:75:B:TYR:HB3	18	1.09
(2,89)	1:61:A:ASN:HA	1:66:A:ARG:HD2	1	1.08
(1,4606)	1:73:B:GLN:H	1:29:B:LEU:HD11	12	1.08
(1,4605)	1:73:A:GLN:H	1:29:A:LEU:HD11	12	1.08
(1,4584)	1:36:B:GLU:H	1:34:B:LEU:HD23	12	1.08
(1,4583)	1:36:A:GLU:H	1:34:A:LEU:HD23	12	1.08
(1,4504)	1:28:B:LYS:H	1:69:B:GLU:HG2	15	1.08
(1,4454)	1:69:B:GLU:H	1:28:B:LYS:HG3	15	1.08
(1,4453)	1:69:A:GLU:H	1:28:A:LYS:HG3	15	1.08
(1,4388)	1:76:B:SER:H	1:13:B:VAL:HG11	20	1.08
(1,4387)	1:76:A:SER:H	1:13:A:VAL:HG11	20	1.08
(1,4369)	1:95:A:ASP:H	1:27:B:PHE:HB2	18	1.08
(1,3910)	1:62:B:LEU:HB2	1:75:B:TYR:HB2	16	1.08
(1,3909)	1:62:A:LEU:HB2	1:75:A:TYR:HB2	16	1.08
(1,3896)	1:38:B:LEU:HB2	1:36:B:GLU:HG3	1	1.08
(1,3895)	1:38:A:LEU:HB2	1:36:A:GLU:HG3	1	1.08
(1,3880)	1:51:B:ASP:HB3	1:56:B:GLN:HB3	11	1.08
(1,3803)	1:16:A:PHE:HB2	1:79:A:LEU:HG	8	1.08
(1,3803)	1:16:A:PHE:HB2	1:70:A:VAL:HG13	18	1.08
(1,3797)	1:16:A:PHE:HB2	1:83:B:ALA:HB1	13	1.08
(1,3772)	1:85:B:MET:HG2	1:89:B:PHE:HB2	18	1.08
(1,3771)	1:85:A:MET:HG2	1:89:A:PHE:HB2	18	1.08
(1,3732)	1:69:B:GLU:HB3	1:29:B:LEU:HD13	14	1.08
(1,3731)	1:69:A:GLU:HB3	1:29:A:LEU:HD13	14	1.08
(1,3690)	1:56:B:GLN:HG3	1:55:B:PHE:HA	7	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3689)	1:56:A:GLN:HG3	1:55:A:PHE:HA	7	1.08
(1,3620)	1:17:B:HIS:HB2	1:13:B:VAL:HG13	5	1.08
(1,3619)	1:17:A:HIS:HB2	1:13:A:VAL:HG13	5	1.08
(1,3604)	1:31:B:LYS:HD3	1:35:B:LYS:H	16	1.08
(1,3587)	1:97:A:GLN:HB3	1:101:A:LYS:HD3	14	1.08
(1,3549)	1:37:A:LEU:HD11	1:18:A:LYS:HB3	4	1.08
(1,3538)	1:5:B:LEU:HG	1:79:A:LEU:HD11	19	1.08
(1,3537)	1:5:A:LEU:HG	1:79:B:LEU:HD12	11	1.08
(1,3494)	1:79:B:LEU:HD23	1:15:B:THR:HB	10	1.08
(1,3493)	1:79:A:LEU:HD22	1:15:A:THR:HB	6	1.08
(1,3484)	1:34:B:LEU:HD22	1:38:B:LEU:H	6	1.08
(1,3430)	1:46:B:LEU:HD12	1:48:B:LYS:HA	10	1.08
(1,3047)	1:97:A:GLN:HE22	1:96:A:LYS:H	9	1.08
(1,2962)	1:28:B:LYS:H	1:29:B:LEU:HD12	2	1.08
(1,2962)	1:28:B:LYS:H	1:29:B:LEU:HD12	15	1.08
(1,2720)	1:61:B:ASN:H	1:66:B:ARG:HD2	14	1.08
(1,2719)	1:61:A:ASN:H	1:66:A:ARG:HD2	14	1.08
(1,2631)	1:95:A:ASP:H	1:97:A:GLN:HE22	19	1.08
(1,2631)	1:95:A:ASP:H	1:97:A:GLN:HE22	20	1.08
(1,2564)	1:27:B:PHE:H	1:28:B:LYS:HG2	10	1.08
(1,2563)	1:27:A:PHE:H	1:28:A:LYS:HG2	10	1.08
(1,2555)	1:27:A:PHE:H	1:21:A:GLY:HA3	18	1.08
(1,2134)	1:25:B:ASP:H	1:28:B:LYS:HG2	19	1.08
(1,2133)	1:25:A:ASP:H	1:28:A:LYS:HG2	19	1.08
(1,2092)	1:26:B:LYS:H	1:21:B:GLY:HA3	12	1.08
(1,2091)	1:26:A:LYS:H	1:21:A:GLY:HA3	12	1.08
(1,1748)	1:88:B:GLU:HB3	1:85:B:MET:HA	15	1.08
(1,1747)	1:88:A:GLU:HB3	1:85:A:MET:HA	15	1.08
(1,1346)	1:96:B:LYS:HE2	1:73:A:GLN:HG3	2	1.08
(1,1138)	1:84:B:MET:HG3	1:85:B:MET:HG2	20	1.08
(1,1137)	1:84:A:MET:HG3	1:85:A:MET:HG2	20	1.08
(1,622)	1:29:B:LEU:HD21	1:70:B:VAL:HG12	3	1.08
(1,621)	1:29:A:LEU:HD21	1:70:A:VAL:HG12	3	1.08
(1,604)	1:40:B:ARG:HG2	1:36:B:GLU:HA	4	1.08
(1,603)	1:40:A:ARG:HG2	1:36:A:GLU:HA	4	1.08
(1,39)	1:82:A:ILE:HD11	1:6:B:GLU:HB2	9	1.08
(1,2)	1:96:B:LYS:HD2	1:75:A:TYR:HB3	8	1.08
(1,2)	1:96:B:LYS:HD2	1:75:A:TYR:HB3	12	1.08
(1,2)	1:96:B:LYS:HD3	1:75:A:TYR:HB3	20	1.08
(1,1)	1:96:A:LYS:HD2	1:75:B:TYR:HB3	12	1.08
(1,1)	1:96:A:LYS:HD3	1:75:B:TYR:HB3	20	1.08
(2,90)	1:61:B:ASN:HA	1:66:B:ARG:HD2	1	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,45)	1:59:A:MET:HG3	1:66:A:ARG:HD2	9	1.07
(1,4606)	1:73:B:GLN:H	1:29:B:LEU:HD11	1	1.07
(1,4605)	1:73:A:GLN:H	1:29:A:LEU:HD11	1	1.07
(1,4553)	1:56:A:GLN:HE21	1:34:A:LEU:HD23	17	1.07
(1,4504)	1:28:B:LYS:H	1:33:B:GLU:HB3	4	1.07
(1,4503)	1:28:A:LYS:H	1:33:A:GLU:HB3	4	1.07
(1,4482)	1:14:B:SER:H	1:79:B:LEU:HD12	9	1.07
(1,4481)	1:14:A:SER:H	1:79:A:LEU:HD12	9	1.07
(1,4430)	1:34:B:LEU:H	1:34:B:LEU:HD13	1	1.07
(1,4430)	1:34:B:LEU:H	1:34:B:LEU:HD11	11	1.07
(1,4430)	1:34:B:LEU:H	1:34:B:LEU:HD13	14	1.07
(1,4429)	1:34:A:LEU:H	1:34:A:LEU:HD13	1	1.07
(1,4429)	1:34:A:LEU:H	1:34:A:LEU:HD13	14	1.07
(1,4394)	1:7:B:LYS:H	1:79:A:LEU:HD23	17	1.07
(1,4393)	1:7:A:LYS:H	1:79:B:LEU:HD23	17	1.07
(1,4326)	1:42:B:LEU:H	1:79:B:LEU:HD23	9	1.07
(1,4325)	1:42:A:LEU:H	1:79:A:LEU:HD23	9	1.07
(1,4264)	1:33:B:GLU:H	1:34:B:LEU:HD12	2	1.07
(1,4263)	1:33:A:GLU:H	1:34:A:LEU:HD12	2	1.07
(1,4180)	1:60:B:SER:HB2	1:58:B:LEU:HD12	20	1.07
(1,4178)	1:60:B:SER:HB3	1:58:B:LEU:HB3	13	1.07
(1,4064)	1:37:B:LEU:HD12	1:17:B:HIS:HA	2	1.07
(1,4064)	1:37:B:LEU:HD11	1:17:B:HIS:HA	3	1.07
(1,4063)	1:37:A:LEU:HD12	1:17:A:HIS:HA	2	1.07
(1,4063)	1:37:A:LEU:HD11	1:17:A:HIS:HA	3	1.07
(1,3889)	1:7:A:LYS:HE3	1:38:B:LEU:HD12	17	1.07
(1,3690)	1:56:B:GLN:HG3	1:55:B:PHE:HA	3	1.07
(1,3676)	1:59:B:MET:HG2	1:31:B:LYS:HB3	6	1.07
(1,3675)	1:59:A:MET:HG2	1:31:A:LYS:HB3	6	1.07
(1,3588)	1:97:B:GLN:HB3	1:101:B:LYS:HD3	14	1.07
(1,3550)	1:37:B:LEU:HD12	1:18:B:LYS:HB3	16	1.07
(1,3549)	1:37:A:LEU:HD12	1:18:A:LYS:HB3	16	1.07
(1,3511)	1:42:A:LEU:HD22	1:6:B:GLU:HA	6	1.07
(1,3494)	1:79:B:LEU:HD22	1:15:B:THR:HB	6	1.07
(1,3493)	1:79:A:LEU:HD23	1:15:A:THR:HB	10	1.07
(1,3429)	1:46:A:LEU:HD12	1:48:A:LYS:HA	10	1.07
(1,2961)	1:28:A:LYS:H	1:29:A:LEU:HD12	2	1.07
(1,2961)	1:28:A:LYS:H	1:29:A:LEU:HD12	15	1.07
(1,2691)	1:72:A:PHE:H	1:28:A:LYS:HG3	11	1.07
(1,2556)	1:27:B:PHE:H	1:21:B:GLY:HA3	18	1.07
(1,1600)	1:54:B:ALA:HA	1:57:B:LYS:HB3	20	1.07
(1,1599)	1:54:A:ALA:HA	1:57:A:LYS:HB3	20	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1472)	1:42:B:LEU:HB3	1:38:B:LEU:H	15	1.07
(1,1471)	1:42:A:LEU:HB3	1:38:A:LEU:H	15	1.07
(1,1062)	1:88:B:GLU:HG2	1:85:B:MET:HA	13	1.07
(1,1061)	1:88:A:GLU:HG2	1:85:A:MET:HA	13	1.07
(1,840)	1:59:B:MET:HB3	1:62:B:LEU:HD13	10	1.07
(1,840)	1:59:B:MET:HB3	1:62:B:LEU:HD12	17	1.07
(1,839)	1:59:A:MET:HB3	1:62:A:LEU:HD13	10	1.07
(1,839)	1:59:A:MET:HB3	1:62:A:LEU:HD13	14	1.07
(1,839)	1:59:A:MET:HB3	1:62:A:LEU:HD12	17	1.07
(1,40)	1:82:B:ILE:HD11	1:6:A:GLU:HB2	9	1.07
(1,2)	1:96:B:LYS:HD2	1:75:A:TYR:HB3	18	1.07
(1,1)	1:96:A:LYS:HD2	1:75:B:TYR:HB3	8	1.07
(2,46)	1:59:B:MET:HG3	1:66:B:ARG:HD2	9	1.06
(2,36)	1:33:B:GLU:HB3	1:31:B:LYS:HA	12	1.06
(2,35)	1:33:A:GLU:HB3	1:31:A:LYS:HA	12	1.06
(1,4620)	1:56:B:GLN:HE22	1:34:B:LEU:HD21	5	1.06
(1,4619)	1:56:A:GLN:HE22	1:34:A:LEU:HD21	5	1.06
(1,4604)	1:73:B:GLN:H	1:13:B:VAL:HG11	18	1.06
(1,4603)	1:73:A:GLN:H	1:13:A:VAL:HG11	18	1.06
(1,4596)	1:88:B:GLU:H	1:94:B:PRO:HG3	11	1.06
(1,4595)	1:88:A:GLU:H	1:94:A:PRO:HG3	11	1.06
(1,4584)	1:36:B:GLU:H	1:34:B:LEU:HD21	8	1.06
(1,4584)	1:36:B:GLU:H	1:37:B:LEU:HD22	9	1.06
(1,4584)	1:36:B:GLU:H	1:37:B:LEU:HD11	17	1.06
(1,4583)	1:36:A:GLU:H	1:34:A:LEU:HD21	8	1.06
(1,4583)	1:36:A:GLU:H	1:37:A:LEU:HD22	9	1.06
(1,4583)	1:36:A:GLU:H	1:37:A:LEU:HD11	17	1.06
(1,4564)	1:73:B:GLN:HE22	1:96:A:LYS:HD2	17	1.06
(1,4554)	1:56:B:GLN:HE21	1:34:B:LEU:HD22	10	1.06
(1,4553)	1:56:A:GLN:HE21	1:34:A:LEU:HD22	10	1.06
(1,4506)	1:32:B:SER:H	1:31:B:LYS:HE3	2	1.06
(1,4505)	1:32:A:SER:H	1:31:A:LYS:HE3	2	1.06
(1,4504)	1:28:B:LYS:H	1:69:B:GLU:HG2	8	1.06
(1,4430)	1:34:B:LEU:H	1:34:B:LEU:HD11	18	1.06
(1,4429)	1:34:A:LEU:H	1:34:A:LEU:HD11	11	1.06
(1,4429)	1:34:A:LEU:H	1:34:A:LEU:HD11	18	1.06
(1,4399)	1:72:A:PHE:H	1:13:A:VAL:HG13	16	1.06
(1,4382)	1:10:B:ASP:H	1:79:A:LEU:HD13	16	1.06
(1,4340)	1:13:B:VAL:H	1:79:B:LEU:HD11	9	1.06
(1,4339)	1:13:A:VAL:H	1:79:A:LEU:HD11	9	1.06
(1,4326)	1:42:B:LEU:H	1:79:B:LEU:HD21	16	1.06
(1,4325)	1:42:A:LEU:H	1:79:A:LEU:HD21	16	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4258)	1:30:B:ASN:H	1:28:B:LYS:HD2	5	1.06
(1,4258)	1:30:B:ASN:H	1:28:B:LYS:HD2	9	1.06
(1,4257)	1:30:A:ASN:H	1:28:A:LYS:HD2	9	1.06
(1,4197)	1:50:A:THR:HB	1:39:A:THR:H	7	1.06
(1,4179)	1:60:A:SER:HB2	1:58:A:LEU:HD12	20	1.06
(1,4177)	1:60:A:SER:HB3	1:58:A:LEU:HB3	13	1.06
(1,3895)	1:38:A:LEU:HB2	1:36:A:GLU:HG3	18	1.06
(1,3869)	1:51:A:ASP:HB3	1:49:A:ARG:HD2	19	1.06
(1,3854)	1:32:B:SER:H	1:31:B:LYS:HE3	2	1.06
(1,3853)	1:32:A:SER:H	1:31:A:LYS:HE3	2	1.06
(1,3772)	1:85:B:MET:HG2	1:89:B:PHE:HB2	12	1.06
(1,3771)	1:85:A:MET:HG2	1:89:A:PHE:HB2	12	1.06
(1,3770)	1:16:B:PHE:HB2	1:19:B:TYR:HB3	8	1.06
(1,3769)	1:16:A:PHE:HB2	1:19:A:TYR:HB3	8	1.06
(1,3738)	1:33:B:GLU:HG2	1:29:B:LEU:HD12	13	1.06
(1,3689)	1:56:A:GLN:HG3	1:55:A:PHE:HA	3	1.06
(1,3628)	1:59:B:MET:HB3	1:55:B:PHE:HB3	5	1.06
(1,3627)	1:59:A:MET:HB3	1:55:A:PHE:HB3	5	1.06
(1,3597)	1:96:A:LYS:HD3	1:13:B:VAL:HG13	17	1.06
(1,3545)	1:29:A:LEU:HD22	1:22:A:LYS:HE2	13	1.06
(1,3498)	1:79:B:LEU:HG	1:80:B:SER:HB2	19	1.06
(1,3484)	1:34:B:LEU:HD22	1:38:B:LEU:H	17	1.06
(1,3450)	1:18:B:LYS:HG2	1:22:B:LYS:HB3	14	1.06
(1,3449)	1:18:A:LYS:HG2	1:22:A:LYS:HB3	14	1.06
(1,3441)	1:58:A:LEU:HD12	1:59:A:MET:HB3	8	1.06
(1,3439)	1:58:A:LEU:HD12	1:59:A:MET:HB3	8	1.06
(1,3434)	1:38:B:LEU:HD12	1:41:B:GLU:HB3	3	1.06
(1,3433)	1:38:A:LEU:HD12	1:41:A:GLU:HB3	3	1.06
(1,3364)	1:39:B:THR:HG23	1:37:B:LEU:HB3	1	1.06
(1,3363)	1:39:A:THR:HG23	1:37:A:LEU:HB3	1	1.06
(1,3131)	1:73:A:GLN:HE22	1:62:A:LEU:HD22	15	1.06
(1,2962)	1:28:B:LYS:H	1:29:B:LEU:HD11	17	1.06
(1,2961)	1:28:A:LYS:H	1:29:A:LEU:HD11	17	1.06
(1,2692)	1:72:B:PHE:H	1:28:B:LYS:HG3	11	1.06
(1,2556)	1:27:B:PHE:H	1:21:B:GLY:HA3	13	1.06
(1,2555)	1:27:A:PHE:H	1:21:A:GLY:HA3	13	1.06
(1,2242)	1:33:B:GLU:H	1:29:B:LEU:HB2	8	1.06
(1,2242)	1:33:B:GLU:H	1:29:B:LEU:HB2	12	1.06
(1,2242)	1:33:B:GLU:H	1:29:B:LEU:HB2	20	1.06
(1,2241)	1:33:A:GLU:H	1:29:A:LEU:HB2	8	1.06
(1,2241)	1:33:A:GLU:H	1:29:A:LEU:HB2	12	1.06
(1,2241)	1:33:A:GLU:H	1:29:A:LEU:HB2	20	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1061)	1:88:A:GLU:HG2	1:85:A:MET:HA	7	1.06
(1,840)	1:59:B:MET:HB3	1:62:B:LEU:HD11	6	1.06
(1,840)	1:59:B:MET:HB3	1:62:B:LEU:HD13	14	1.06
(1,840)	1:59:B:MET:HB3	1:62:B:LEU:HD13	19	1.06
(1,839)	1:59:A:MET:HB3	1:62:A:LEU:HD11	6	1.06
(1,802)	1:41:B:GLU:HB2	1:5:A:LEU:HD22	7	1.06
(1,801)	1:41:A:GLU:HB2	1:5:B:LEU:HD22	7	1.06
(1,778)	1:6:B:GLU:HB3	1:7:B:LYS:HE3	8	1.06
(1,652)	1:39:B:THR:HG22	1:40:B:ARG:HG2	19	1.06
(1,651)	1:39:A:THR:HG22	1:40:A:ARG:HG2	19	1.06
(1,508)	1:34:B:LEU:HD22	1:59:B:MET:HG2	2	1.06
(1,507)	1:34:A:LEU:HD22	1:59:A:MET:HG2	2	1.06
(1,4620)	1:56:B:GLN:HE22	1:34:B:LEU:HD23	17	1.05
(1,4619)	1:56:A:GLN:HE22	1:34:A:LEU:HD23	17	1.05
(1,4584)	1:36:B:GLU:H	1:34:B:LEU:HD22	10	1.05
(1,4584)	1:36:B:GLU:H	1:37:B:LEU:HD23	18	1.05
(1,4583)	1:36:A:GLU:H	1:34:A:LEU:HD22	10	1.05
(1,4583)	1:36:A:GLU:H	1:37:A:LEU:HD23	18	1.05
(1,4563)	1:73:A:GLN:HE22	1:96:B:LYS:HD2	17	1.05
(1,4561)	1:73:A:GLN:HE22	1:76:A:SER:HB3	18	1.05
(1,4503)	1:28:A:LYS:H	1:69:A:GLU:HG2	8	1.05
(1,4436)	1:38:B:LEU:H	1:41:B:GLU:HG3	4	1.05
(1,4435)	1:38:A:LEU:H	1:41:A:GLU:HG3	4	1.05
(1,4430)	1:34:B:LEU:H	1:34:B:LEU:HD12	2	1.05
(1,4430)	1:34:B:LEU:H	1:34:B:LEU:HD13	20	1.05
(1,4429)	1:34:A:LEU:H	1:34:A:LEU:HD12	2	1.05
(1,4429)	1:34:A:LEU:H	1:34:A:LEU:HD13	20	1.05
(1,4400)	1:72:B:PHE:H	1:13:B:VAL:HG13	16	1.05
(1,4381)	1:10:A:ASP:H	1:79:B:LEU:HD13	16	1.05
(1,4370)	1:95:B:ASP:H	1:27:A:PHE:HB2	16	1.05
(1,4370)	1:95:B:ASP:H	1:27:A:PHE:HB2	18	1.05
(1,4326)	1:42:B:LEU:H	1:79:B:LEU:HD21	12	1.05
(1,4325)	1:42:A:LEU:H	1:79:A:LEU:HD21	12	1.05
(1,4257)	1:30:A:ASN:H	1:28:A:LYS:HD2	5	1.05
(1,4198)	1:50:B:THR:HB	1:39:B:THR:H	7	1.05
(1,4138)	1:31:B:LYS:HA	1:29:B:LEU:HD11	15	1.05
(1,4137)	1:31:A:LYS:HA	1:29:A:LEU:HD11	15	1.05
(1,4064)	1:37:B:LEU:HD12	1:17:B:HIS:HA	10	1.05
(1,4063)	1:37:A:LEU:HD12	1:17:A:HIS:HA	10	1.05
(1,4028)	1:83:B:ALA:HA	1:88:B:GLU:HG2	9	1.05
(1,4016)	1:41:B:GLU:HA	1:42:B:LEU:HD22	18	1.05
(1,4015)	1:41:A:GLU:HA	1:37:A:LEU:HD21	12	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4015)	1:41:A:GLU:HA	1:42:A:LEU:HD22	18	1.05
(1,3910)	1:62:B:LEU:HB2	1:75:B:TYR:HB2	10	1.05
(1,3909)	1:62:A:LEU:HB2	1:75:A:TYR:HB2	10	1.05
(1,3896)	1:38:B:LEU:HB2	1:36:B:GLU:HG3	18	1.05
(1,3870)	1:51:B:ASP:HB3	1:49:B:ARG:HD2	19	1.05
(1,3820)	1:79:B:LEU:HB2	1:79:A:LEU:HB2	19	1.05
(1,3819)	1:79:A:LEU:HB2	1:79:B:LEU:HB2	19	1.05
(1,3738)	1:33:B:GLU:HG3	1:29:B:LEU:HD13	1	1.05
(1,3737)	1:33:A:GLU:HG3	1:29:A:LEU:HD13	1	1.05
(1,3737)	1:33:A:GLU:HG2	1:29:A:LEU:HD12	13	1.05
(1,3732)	1:69:B:GLU:HB3	1:29:B:LEU:HD12	15	1.05
(1,3731)	1:69:A:GLU:HB3	1:29:A:LEU:HD12	15	1.05
(1,3696)	1:56:B:GLN:HG3	1:55:B:PHE:HB3	4	1.05
(1,3695)	1:56:A:GLN:HG3	1:55:A:PHE:HB3	4	1.05
(1,3546)	1:29:B:LEU:HD22	1:22:B:LYS:HE2	13	1.05
(1,3544)	1:29:B:LEU:HD22	1:69:B:GLU:HA	3	1.05
(1,3544)	1:29:B:LEU:HD21	1:27:B:PHE:HA	11	1.05
(1,3543)	1:29:A:LEU:HD22	1:69:A:GLU:HA	3	1.05
(1,3543)	1:29:A:LEU:HD21	1:27:A:PHE:HA	11	1.05
(1,3497)	1:79:A:LEU:HG	1:80:A:SER:HB2	19	1.05
(1,3484)	1:34:B:LEU:HD23	1:38:B:LEU:H	11	1.05
(1,3484)	1:34:B:LEU:HD21	1:38:B:LEU:H	15	1.05
(1,3483)	1:34:A:LEU:HD23	1:38:A:LEU:H	11	1.05
(1,3483)	1:34:A:LEU:HD21	1:38:A:LEU:H	15	1.05
(1,3483)	1:34:A:LEU:HD22	1:38:A:LEU:H	17	1.05
(1,3474)	1:5:B:LEU:HD22	1:43:A:PRO:HD2	13	1.05
(1,3473)	1:5:A:LEU:HD22	1:43:B:PRO:HD2	13	1.05
(1,3442)	1:58:B:LEU:HD12	1:59:B:MET:HB3	8	1.05
(1,3440)	1:58:B:LEU:HD12	1:59:B:MET:HB3	8	1.05
(1,3132)	1:73:B:GLN:HE22	1:62:B:LEU:HD22	15	1.05
(1,3131)	1:73:A:GLN:HE22	1:62:A:LEU:HD23	7	1.05
(1,3124)	1:73:B:GLN:HE22	1:78:B:PHE:HB2	12	1.05
(1,3123)	1:73:A:GLN:HE22	1:78:A:PHE:HB2	12	1.05
(1,2962)	1:28:B:LYS:H	1:29:B:LEU:HD11	8	1.05
(1,2962)	1:28:B:LYS:H	1:29:B:LEU:HD13	13	1.05
(1,2961)	1:28:A:LYS:H	1:29:A:LEU:HD11	8	1.05
(1,2961)	1:28:A:LYS:H	1:29:A:LEU:HD13	13	1.05
(1,2961)	1:28:A:LYS:H	1:29:A:LEU:HD11	20	1.05
(1,2720)	1:61:B:ASN:H	1:66:B:ARG:HD2	3	1.05
(1,2563)	1:27:A:PHE:H	1:28:A:LYS:HG2	2	1.05
(1,2242)	1:33:B:GLU:H	1:29:B:LEU:HB2	4	1.05
(1,2242)	1:33:B:GLU:H	1:29:B:LEU:HB2	13	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2241)	1:33:A:GLU:H	1:29:A:LEU:HB2	4	1.05
(1,2241)	1:33:A:GLU:H	1:29:A:LEU:HB2	13	1.05
(1,1506)	1:92:B:GLY:HA3	1:91:B:GLU:HG3	11	1.05
(1,1505)	1:92:A:GLY:HA3	1:91:A:GLU:HG3	11	1.05
(1,1504)	1:92:B:GLY:HA2	1:90:B:PHE:HB3	2	1.05
(1,1503)	1:92:A:GLY:HA2	1:90:A:PHE:HB3	2	1.05
(1,1062)	1:88:B:GLU:HG2	1:85:B:MET:HA	7	1.05
(1,840)	1:59:B:MET:HB3	1:62:B:LEU:HD12	15	1.05
(1,839)	1:59:A:MET:HB3	1:62:A:LEU:HD12	15	1.05
(1,839)	1:59:A:MET:HB3	1:62:A:LEU:HD13	19	1.05
(1,604)	1:40:B:ARG:HG2	1:36:B:GLU:HA	15	1.05
(1,460)	1:46:B:LEU:HD22	1:82:B:ILE:HD13	15	1.05
(1,459)	1:46:A:LEU:HD22	1:82:A:ILE:HD13	15	1.05
(1,434)	1:5:B:LEU:HD21	1:6:B:GLU:HG2	10	1.05
(1,433)	1:5:A:LEU:HD21	1:6:A:GLU:HG2	10	1.05
(1,4620)	1:56:B:GLN:HE22	1:34:B:LEU:HD22	13	1.04
(1,4562)	1:73:B:GLN:HE22	1:76:B:SER:HB3	18	1.04
(1,4430)	1:34:B:LEU:H	1:34:B:LEU:HD12	19	1.04
(1,4429)	1:34:A:LEU:H	1:34:A:LEU:HD12	19	1.04
(1,4338)	1:13:B:VAL:H	1:13:B:VAL:HG13	15	1.04
(1,4338)	1:13:B:VAL:H	1:13:B:VAL:HG11	16	1.04
(1,4337)	1:13:A:VAL:H	1:13:A:VAL:HG13	15	1.04
(1,4337)	1:13:A:VAL:H	1:13:A:VAL:HG11	16	1.04
(1,4326)	1:42:B:LEU:H	1:79:B:LEU:HD22	8	1.04
(1,4325)	1:42:A:LEU:H	1:79:A:LEU:HD22	8	1.04
(1,4257)	1:30:A:ASN:H	1:28:A:LYS:HD2	15	1.04
(1,4180)	1:60:B:SER:HB3	1:58:B:LEU:HD11	4	1.04
(1,4179)	1:60:A:SER:HB3	1:58:A:LEU:HD11	4	1.04
(1,4076)	1:37:B:LEU:HD22	1:40:B:ARG:HA	5	1.04
(1,4076)	1:37:B:LEU:HD23	1:40:B:ARG:HA	8	1.04
(1,4075)	1:37:A:LEU:HD23	1:40:A:ARG:HA	8	1.04
(1,4027)	1:83:A:ALA:HA	1:88:A:GLU:HG2	9	1.04
(1,4016)	1:41:B:GLU:HA	1:37:B:LEU:HD21	12	1.04
(1,4016)	1:41:B:GLU:HA	1:37:B:LEU:HD21	13	1.04
(1,3880)	1:51:B:ASP:HB3	1:56:B:GLN:HB3	2	1.04
(1,3771)	1:85:A:MET:HG2	1:89:A:PHE:HB2	9	1.04
(1,3552)	1:94:B:PRO:HG3	1:101:B:LYS:HD2	9	1.04
(1,3551)	1:94:A:PRO:HG3	1:101:A:LYS:HD2	9	1.04
(1,3546)	1:29:B:LEU:HD22	1:22:B:LYS:HE2	5	1.04
(1,3546)	1:29:B:LEU:HD21	1:22:B:LYS:HE3	10	1.04
(1,3545)	1:29:A:LEU:HD22	1:22:A:LYS:HE2	5	1.04
(1,3545)	1:29:A:LEU:HD21	1:22:A:LYS:HE3	10	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3544)	1:29:B:LEU:HD21	1:69:B:GLU:HA	8	1.04
(1,3543)	1:29:A:LEU:HD21	1:69:A:GLU:HA	8	1.04
(1,3542)	1:37:B:LEU:HD11	1:17:B:HIS:HA	7	1.04
(1,3541)	1:37:A:LEU:HD11	1:17:A:HIS:HA	7	1.04
(1,3132)	1:73:B:GLN:HE22	1:62:B:LEU:HD21	2	1.04
(1,3132)	1:73:B:GLN:HE22	1:62:B:LEU:HD23	7	1.04
(1,3132)	1:73:B:GLN:HE22	1:62:B:LEU:HD23	11	1.04
(1,3132)	1:73:B:GLN:HE22	1:62:B:LEU:HD21	12	1.04
(1,3132)	1:73:B:GLN:HE22	1:62:B:LEU:HD21	19	1.04
(1,3131)	1:73:A:GLN:HE22	1:62:A:LEU:HD21	2	1.04
(1,3131)	1:73:A:GLN:HE22	1:62:A:LEU:HD23	11	1.04
(1,3131)	1:73:A:GLN:HE22	1:62:A:LEU:HD21	12	1.04
(1,3131)	1:73:A:GLN:HE22	1:62:A:LEU:HD21	19	1.04
(1,2962)	1:28:B:LYS:H	1:29:B:LEU:HD11	20	1.04
(1,2961)	1:28:A:LYS:H	1:29:A:LEU:HD13	6	1.04
(1,2719)	1:61:A:ASN:H	1:66:A:ARG:HD2	3	1.04
(1,2564)	1:27:B:PHE:H	1:28:B:LYS:HG2	2	1.04
(1,1476)	1:42:B:LEU:HB3	1:39:B:THR:H	5	1.04
(1,1475)	1:42:A:LEU:HB3	1:39:A:THR:H	5	1.04
(1,1472)	1:42:B:LEU:HB3	1:38:B:LEU:H	16	1.04
(1,1471)	1:42:A:LEU:HB3	1:38:A:LEU:H	16	1.04
(1,1356)	1:22:B:LYS:HE3	1:22:B:LYS:HB3	8	1.04
(1,1355)	1:22:A:LYS:HE3	1:22:A:LYS:HB3	10	1.04
(1,840)	1:59:B:MET:HB3	1:62:B:LEU:HD13	9	1.04
(1,839)	1:59:A:MET:HB3	1:62:A:LEU:HD13	9	1.04
(1,777)	1:6:A:GLU:HB3	1:7:A:LYS:HE3	8	1.04
(1,604)	1:40:B:ARG:HG2	1:36:B:GLU:HA	19	1.04
(1,603)	1:40:A:ARG:HG2	1:36:A:GLU:HA	10	1.04
(1,603)	1:40:A:ARG:HG2	1:36:A:GLU:HA	15	1.04
(1,603)	1:40:A:ARG:HG2	1:36:A:GLU:HA	19	1.04
(1,459)	1:46:A:LEU:HD23	1:82:A:ILE:HD12	13	1.04
(1,40)	1:82:B:ILE:HD11	1:6:A:GLU:HB2	5	1.04
(1,39)	1:82:A:ILE:HD11	1:6:B:GLU:HB2	5	1.04
(1,4619)	1:56:A:GLN:HE22	1:34:A:LEU:HD22	13	1.03
(1,4606)	1:73:B:GLN:H	1:29:B:LEU:HD11	5	1.03
(1,4605)	1:73:A:GLN:H	1:29:A:LEU:HD11	5	1.03
(1,4603)	1:73:A:GLN:H	1:13:A:VAL:HG11	13	1.03
(1,4584)	1:36:B:GLU:H	1:37:B:LEU:HD23	16	1.03
(1,4583)	1:36:A:GLU:H	1:37:A:LEU:HD23	16	1.03
(1,4561)	1:73:A:GLN:HE22	1:76:A:SER:HB2	8	1.03
(1,4536)	1:41:B:GLU:H	1:79:B:LEU:HD21	11	1.03
(1,4535)	1:41:A:GLU:H	1:79:A:LEU:HD21	11	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4524)	1:80:B:SER:H	1:79:B:LEU:HD22	14	1.03
(1,4523)	1:80:A:SER:H	1:79:A:LEU:HD22	14	1.03
(1,4504)	1:28:B:LYS:H	1:33:B:GLU:HB3	19	1.03
(1,4503)	1:28:A:LYS:H	1:33:A:GLU:HB3	19	1.03
(1,4482)	1:14:B:SER:H	1:79:B:LEU:HD12	10	1.03
(1,4430)	1:34:B:LEU:H	1:34:B:LEU:HD11	12	1.03
(1,4430)	1:34:B:LEU:H	1:34:B:LEU:HD12	13	1.03
(1,4429)	1:34:A:LEU:H	1:34:A:LEU:HD11	12	1.03
(1,4429)	1:34:A:LEU:H	1:34:A:LEU:HD12	13	1.03
(1,4394)	1:7:B:LYS:H	1:79:A:LEU:HD12	7	1.03
(1,4393)	1:7:A:LYS:H	1:79:B:LEU:HD12	7	1.03
(1,4381)	1:10:A:ASP:H	1:79:B:LEU:HD13	15	1.03
(1,4338)	1:13:B:VAL:H	1:13:B:VAL:HG13	9	1.03
(1,4338)	1:13:B:VAL:H	1:13:B:VAL:HG12	11	1.03
(1,4338)	1:13:B:VAL:H	1:13:B:VAL:HG12	12	1.03
(1,4338)	1:13:B:VAL:H	1:13:B:VAL:HG12	20	1.03
(1,4337)	1:13:A:VAL:H	1:13:A:VAL:HG13	9	1.03
(1,4337)	1:13:A:VAL:H	1:13:A:VAL:HG12	11	1.03
(1,4337)	1:13:A:VAL:H	1:13:A:VAL:HG12	12	1.03
(1,4264)	1:33:B:GLU:H	1:34:B:LEU:HD13	11	1.03
(1,4258)	1:30:B:ASN:H	1:28:B:LYS:HD2	15	1.03
(1,4150)	1:76:B:SER:HB2	1:82:A:ILE:HB	1	1.03
(1,4075)	1:37:A:LEU:HD22	1:40:A:ARG:HA	5	1.03
(1,4064)	1:17:B:HIS:HA	1:13:B:VAL:HG11	9	1.03
(1,4063)	1:17:A:HIS:HA	1:13:A:VAL:HG11	9	1.03
(1,4015)	1:41:A:GLU:HA	1:37:A:LEU:HD21	13	1.03
(1,3920)	1:40:B:ARG:HD3	1:19:B:TYR:HB3	18	1.03
(1,3919)	1:40:A:ARG:HD2	1:19:A:TYR:HB3	16	1.03
(1,3919)	1:40:A:ARG:HD3	1:19:A:TYR:HB3	18	1.03
(1,3879)	1:51:A:ASP:HB3	1:56:A:GLN:HB3	2	1.03
(1,3772)	1:85:B:MET:HG2	1:89:B:PHE:HB2	9	1.03
(1,3732)	1:69:B:GLU:HB3	1:29:B:LEU:HD13	13	1.03
(1,3731)	1:69:A:GLU:HB3	1:29:A:LEU:HD13	13	1.03
(1,3690)	1:56:B:GLN:HG3	1:55:B:PHE:HA	17	1.03
(1,3690)	1:56:B:GLN:HG3	1:55:B:PHE:HA	19	1.03
(1,3689)	1:56:A:GLN:HG3	1:55:A:PHE:HA	19	1.03
(1,3606)	1:28:B:LYS:HD3	1:67:B:ASP:HB2	12	1.03
(1,3605)	1:28:A:LYS:HD3	1:67:A:ASP:HB2	12	1.03
(1,3596)	1:11:B:VAL:HG22	1:7:B:LYS:HD2	1	1.03
(1,3595)	1:11:A:VAL:HG22	1:7:A:LYS:HD2	1	1.03
(1,3585)	1:88:A:GLU:HB2	1:91:A:GLU:HB3	8	1.03
(1,3546)	1:29:B:LEU:HD23	1:22:B:LYS:HE2	7	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3545)	1:29:A:LEU:HD23	1:22:A:LYS:HE2	7	1.03
(1,3544)	1:29:B:LEU:HD22	1:69:B:GLU:HA	13	1.03
(1,3543)	1:29:A:LEU:HD22	1:69:A:GLU:HA	13	1.03
(1,3494)	1:79:B:LEU:HD21	1:15:B:THR:HB	4	1.03
(1,3493)	1:79:A:LEU:HD21	1:15:A:THR:HB	4	1.03
(1,3470)	1:48:B:LYS:HG2	1:46:B:LEU:HD22	15	1.03
(1,3469)	1:48:A:LYS:HG2	1:46:A:LEU:HD22	15	1.03
(1,3450)	1:18:B:LYS:HG2	1:40:B:ARG:HB3	7	1.03
(1,3434)	1:38:B:LEU:HD11	1:41:B:GLU:HB3	13	1.03
(1,3433)	1:38:A:LEU:HD11	1:41:A:GLU:HB3	13	1.03
(1,3430)	1:46:B:LEU:HD13	1:48:B:LYS:HA	1	1.03
(1,3429)	1:46:A:LEU:HD13	1:48:A:LYS:HA	1	1.03
(1,3391)	1:68:A:ASN:HD21	1:70:A:VAL:HG22	7	1.03
(1,3132)	1:73:B:GLN:HE22	1:62:B:LEU:HD23	16	1.03
(1,3132)	1:73:B:GLN:HE22	1:62:B:LEU:HD23	20	1.03
(1,3131)	1:73:A:GLN:HE22	1:62:A:LEU:HD23	16	1.03
(1,3123)	1:73:A:GLN:HE22	1:78:A:PHE:HB2	6	1.03
(1,2962)	1:28:B:LYS:H	1:29:B:LEU:HD11	5	1.03
(1,2962)	1:28:B:LYS:H	1:29:B:LEU:HD13	6	1.03
(1,2961)	1:28:A:LYS:H	1:29:A:LEU:HD11	5	1.03
(1,2632)	1:95:B:ASP:H	1:97:B:GLN:HE22	11	1.03
(1,2631)	1:95:A:ASP:H	1:97:A:GLN:HE22	11	1.03
(1,2510)	1:42:B:LEU:H	1:82:B:ILE:HD12	13	1.03
(1,2509)	1:42:A:LEU:H	1:82:A:ILE:HD12	13	1.03
(1,2210)	1:30:B:ASN:H	1:33:B:GLU:HB3	10	1.03
(1,2209)	1:30:A:ASN:H	1:33:A:GLU:HB3	10	1.03
(1,2092)	1:26:B:LYS:H	1:21:B:GLY:HA3	7	1.03
(1,2092)	1:26:B:LYS:H	1:21:B:GLY:HA3	15	1.03
(1,2091)	1:26:A:LYS:H	1:21:A:GLY:HA3	7	1.03
(1,2091)	1:26:A:LYS:H	1:21:A:GLY:HA3	15	1.03
(1,1506)	1:92:B:GLY:HA3	1:91:B:GLU:HG3	13	1.03
(1,1505)	1:92:A:GLY:HA3	1:91:A:GLU:HG3	13	1.03
(1,1356)	1:22:B:LYS:HE3	1:22:B:LYS:HB3	10	1.03
(1,1356)	1:22:B:LYS:HE3	1:22:B:LYS:HB3	14	1.03
(1,1355)	1:22:A:LYS:HE3	1:22:A:LYS:HB3	14	1.03
(1,840)	1:59:B:MET:HB3	1:62:B:LEU:HD13	7	1.03
(1,840)	1:59:B:MET:HB3	1:62:B:LEU:HD13	16	1.03
(1,839)	1:59:A:MET:HB3	1:62:A:LEU:HD13	7	1.03
(1,839)	1:59:A:MET:HB3	1:62:A:LEU:HD13	16	1.03
(1,706)	1:88:B:GLU:HB2	1:96:B:LYS:HG3	8	1.03
(1,604)	1:40:B:ARG:HG2	1:36:B:GLU:HA	10	1.03
(1,460)	1:46:B:LEU:HD22	1:82:B:ILE:HD11	7	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,460)	1:46:B:LEU:HD23	1:82:B:ILE:HD12	13	1.03
(1,459)	1:46:A:LEU:HD22	1:82:A:ILE:HD11	7	1.03
(1,106)	1:83:B:ALA:HB2	1:82:B:ILE:HD13	6	1.03
(1,105)	1:83:A:ALA:HB2	1:82:A:ILE:HD13	6	1.03
(2,68)	1:59:B:MET:HB3	1:34:B:LEU:HB3	7	1.02
(2,67)	1:59:A:MET:HB3	1:34:A:LEU:HB3	7	1.02
(1,4604)	1:73:B:GLN:H	1:13:B:VAL:HG11	13	1.02
(1,4604)	1:73:B:GLN:H	1:13:B:VAL:HG13	16	1.02
(1,4603)	1:73:A:GLN:H	1:13:A:VAL:HG13	16	1.02
(1,4584)	1:36:B:GLU:H	1:34:B:LEU:HD21	19	1.02
(1,4583)	1:36:A:GLU:H	1:34:A:LEU:HD21	19	1.02
(1,4562)	1:73:B:GLN:HE22	1:76:B:SER:HB2	8	1.02
(1,4561)	1:73:A:GLN:HE22	1:76:A:SER:HB2	15	1.02
(1,4554)	1:56:B:GLN:HE21	1:34:B:LEU:HD22	7	1.02
(1,4553)	1:56:A:GLN:HE21	1:34:A:LEU:HD22	7	1.02
(1,4482)	1:14:B:SER:H	1:79:B:LEU:HD13	2	1.02
(1,4482)	1:14:B:SER:H	1:79:B:LEU:HD13	18	1.02
(1,4481)	1:14:A:SER:H	1:79:A:LEU:HD13	2	1.02
(1,4481)	1:14:A:SER:H	1:79:A:LEU:HD12	10	1.02
(1,4481)	1:14:A:SER:H	1:79:A:LEU:HD13	18	1.02
(1,4430)	1:34:B:LEU:H	1:34:B:LEU:HD13	9	1.02
(1,4429)	1:34:A:LEU:H	1:34:A:LEU:HD11	4	1.02
(1,4429)	1:34:A:LEU:H	1:34:A:LEU:HD13	9	1.02
(1,4382)	1:10:B:ASP:H	1:79:A:LEU:HD23	11	1.02
(1,4338)	1:13:B:VAL:H	1:13:B:VAL:HG13	2	1.02
(1,4338)	1:13:B:VAL:H	1:13:B:VAL:HG11	7	1.02
(1,4338)	1:13:B:VAL:H	1:13:B:VAL:HG12	18	1.02
(1,4337)	1:13:A:VAL:H	1:13:A:VAL:HG11	7	1.02
(1,4337)	1:13:A:VAL:H	1:13:A:VAL:HG12	18	1.02
(1,4337)	1:13:A:VAL:H	1:13:A:VAL:HG12	20	1.02
(1,4330)	1:58:B:LEU:H	1:58:B:LEU:HD12	8	1.02
(1,4329)	1:58:A:LEU:H	1:58:A:LEU:HD12	8	1.02
(1,4264)	1:33:B:GLU:H	1:34:B:LEU:HD12	9	1.02
(1,4264)	1:33:B:GLU:H	1:34:B:LEU:HD13	12	1.02
(1,4263)	1:33:A:GLU:H	1:34:A:LEU:HD12	9	1.02
(1,4263)	1:33:A:GLU:H	1:34:A:LEU:HD13	11	1.02
(1,4263)	1:33:A:GLU:H	1:34:A:LEU:HD13	12	1.02
(1,4198)	1:50:B:THR:HB	1:54:B:ALA:H	2	1.02
(1,4197)	1:50:A:THR:HB	1:54:A:ALA:H	2	1.02
(1,4149)	1:76:A:SER:HB2	1:82:B:ILE:HB	1	1.02
(1,4028)	1:83:B:ALA:HA	1:9:A:LEU:HB3	17	1.02
(1,4016)	1:41:B:GLU:HA	1:42:B:LEU:HD21	15	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4015)	1:41:A:GLU:HA	1:42:A:LEU:HD21	15	1.02
(1,3920)	1:40:B:ARG:HD2	1:19:B:TYR:HB3	16	1.02
(1,3914)	1:40:B:ARG:HD2	1:37:B:LEU:HD21	14	1.02
(1,3913)	1:40:A:ARG:HD2	1:37:A:LEU:HD21	14	1.02
(1,3820)	1:79:B:LEU:HB2	1:79:A:LEU:HB2	13	1.02
(1,3819)	1:79:A:LEU:HB2	1:79:B:LEU:HB2	13	1.02
(1,3690)	1:56:B:GLN:HG3	1:55:B:PHE:HA	5	1.02
(1,3690)	1:56:B:GLN:HG3	1:55:B:PHE:HA	11	1.02
(1,3689)	1:56:A:GLN:HG3	1:55:A:PHE:HA	5	1.02
(1,3689)	1:56:A:GLN:HG3	1:55:A:PHE:HA	11	1.02
(1,3689)	1:56:A:GLN:HG3	1:55:A:PHE:HA	17	1.02
(1,3689)	1:56:A:GLN:HG3	1:55:A:PHE:HA	18	1.02
(1,3676)	1:59:B:MET:HG2	1:31:B:LYS:HB3	14	1.02
(1,3675)	1:59:A:MET:HG2	1:31:A:LYS:HB3	14	1.02
(1,3586)	1:88:B:GLU:HB2	1:91:B:GLU:HB3	8	1.02
(1,3544)	1:29:B:LEU:HD21	1:69:B:GLU:HA	9	1.02
(1,3543)	1:29:A:LEU:HD21	1:69:A:GLU:HA	9	1.02
(1,3498)	1:79:B:LEU:HG	1:80:A:SER:HB3	12	1.02
(1,3484)	1:34:B:LEU:HD23	1:38:B:LEU:H	2	1.02
(1,3484)	1:34:B:LEU:HD22	1:38:B:LEU:H	7	1.02
(1,3483)	1:34:A:LEU:HD23	1:38:A:LEU:H	2	1.02
(1,3449)	1:18:A:LYS:HG2	1:40:A:ARG:HB3	7	1.02
(1,3442)	1:58:B:LEU:HD13	1:59:B:MET:HB3	2	1.02
(1,3441)	1:58:A:LEU:HD13	1:59:A:MET:HB3	2	1.02
(1,3440)	1:58:B:LEU:HD13	1:59:B:MET:HB3	2	1.02
(1,3439)	1:58:A:LEU:HD13	1:59:A:MET:HB3	2	1.02
(1,3392)	1:68:B:ASN:HD21	1:70:B:VAL:HG22	7	1.02
(1,3364)	1:39:B:THR:HG23	1:37:B:LEU:HB3	6	1.02
(1,3363)	1:39:A:THR:HG23	1:37:A:LEU:HB3	6	1.02
(1,3164)	1:21:B:GLY:H	1:37:B:LEU:HD11	3	1.02
(1,3163)	1:21:A:GLY:H	1:37:A:LEU:HD11	3	1.02
(1,3131)	1:73:A:GLN:HE22	1:62:A:LEU:HD23	20	1.02
(1,3124)	1:73:B:GLN:HE22	1:78:B:PHE:HB2	4	1.02
(1,3124)	1:73:B:GLN:HE22	1:78:B:PHE:HB2	6	1.02
(1,3123)	1:73:A:GLN:HE22	1:78:A:PHE:HB2	4	1.02
(1,2564)	1:27:B:PHE:H	1:28:B:LYS:HG2	19	1.02
(1,2563)	1:27:A:PHE:H	1:28:A:LYS:HG2	19	1.02
(1,2220)	1:100:B:LYS:H	1:97:B:GLN:HG3	5	1.02
(1,1748)	1:88:B:GLU:HB3	1:85:B:MET:HA	2	1.02
(1,1747)	1:88:A:GLU:HB3	1:85:A:MET:HA	2	1.02
(1,1476)	1:42:B:LEU:HB3	1:39:B:THR:H	1	1.02
(1,1355)	1:22:A:LYS:HE3	1:22:A:LYS:HB3	8	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,840)	1:59:B:MET:HB3	1:62:B:LEU:HD13	20	1.02
(1,839)	1:59:A:MET:HB3	1:62:A:LEU:HD11	18	1.02
(1,839)	1:59:A:MET:HB3	1:62:A:LEU:HD13	20	1.02
(1,706)	1:88:B:GLU:HB2	1:96:B:LYS:HG3	3	1.02
(1,705)	1:88:A:GLU:HB2	1:96:A:LYS:HG3	3	1.02
(1,705)	1:88:A:GLU:HB2	1:96:A:LYS:HG3	8	1.02
(1,680)	1:88:B:GLU:HB2	1:97:B:GLN:HE21	2	1.02
(1,652)	1:39:B:THR:HG23	1:40:B:ARG:HG2	2	1.02
(1,652)	1:39:B:THR:HG22	1:40:B:ARG:HG2	11	1.02
(1,652)	1:39:B:THR:HG21	1:40:B:ARG:HG2	17	1.02
(1,651)	1:39:A:THR:HG23	1:40:A:ARG:HG2	2	1.02
(1,651)	1:39:A:THR:HG22	1:40:A:ARG:HG2	11	1.02
(1,162)	1:13:B:VAL:HG11	1:82:A:ILE:HG22	14	1.02
(1,161)	1:13:A:VAL:HG11	1:82:B:ILE:HG22	14	1.02
(1,40)	1:82:B:ILE:HD11	1:6:A:GLU:HB2	2	1.02
(1,39)	1:82:A:ILE:HD11	1:6:B:GLU:HB2	2	1.02
(2,288)	1:50:B:THR:H	1:48:B:LYS:HB2	15	1.01
(2,287)	1:50:A:THR:H	1:48:A:LYS:HB2	15	1.01
(2,36)	1:33:B:GLU:HB3	1:31:B:LYS:HA	2	1.01
(2,36)	1:33:B:GLU:HB3	1:31:B:LYS:HA	17	1.01
(2,35)	1:33:A:GLU:HB3	1:31:A:LYS:HA	2	1.01
(2,35)	1:33:A:GLU:HB3	1:31:A:LYS:HA	17	1.01
(1,4606)	1:73:B:GLN:H	1:29:B:LEU:HD12	2	1.01
(1,4605)	1:73:A:GLN:H	1:29:A:LEU:HD12	2	1.01
(1,4605)	1:73:A:GLN:H	1:29:A:LEU:HD12	15	1.01
(1,4596)	1:62:B:LEU:H	1:57:B:LYS:HB3	16	1.01
(1,4570)	1:30:B:ASN:HD22	1:34:B:LEU:HD13	12	1.01
(1,4569)	1:30:A:ASN:HD22	1:34:A:LEU:HD13	12	1.01
(1,4562)	1:73:B:GLN:HE22	1:76:B:SER:HB2	15	1.01
(1,4554)	1:56:B:GLN:HE21	1:34:B:LEU:HD22	1	1.01
(1,4553)	1:56:A:GLN:HE21	1:34:A:LEU:HD22	1	1.01
(1,4454)	1:69:B:GLU:H	1:31:B:LYS:HG2	18	1.01
(1,4453)	1:69:A:GLU:H	1:31:A:LYS:HG2	18	1.01
(1,4436)	1:38:B:LEU:H	1:41:B:GLU:HG3	15	1.01
(1,4435)	1:38:A:LEU:H	1:41:A:GLU:HG3	15	1.01
(1,4430)	1:34:B:LEU:H	1:34:B:LEU:HD11	4	1.01
(1,4430)	1:34:B:LEU:H	1:34:B:LEU:HD13	7	1.01
(1,4429)	1:34:A:LEU:H	1:34:A:LEU:HD13	7	1.01
(1,4400)	1:72:B:PHE:H	1:13:B:VAL:HG13	9	1.01
(1,4399)	1:72:A:PHE:H	1:13:A:VAL:HG13	9	1.01
(1,4388)	1:76:B:SER:H	1:13:B:VAL:HG12	11	1.01
(1,4388)	1:76:B:SER:H	1:13:B:VAL:HG13	17	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4387)	1:76:A:SER:H	1:13:A:VAL:HG13	17	1.01
(1,4382)	1:10:B:ASP:H	1:79:A:LEU:HD13	15	1.01
(1,4381)	1:10:A:ASP:H	1:79:B:LEU:HD23	11	1.01
(1,4380)	1:10:B:ASP:H	1:9:B:LEU:HD21	7	1.01
(1,4379)	1:10:A:ASP:H	1:9:A:LEU:HD21	7	1.01
(1,4360)	1:67:B:ASP:H	1:70:B:VAL:HG21	10	1.01
(1,4360)	1:67:B:ASP:H	1:70:B:VAL:HG23	15	1.01
(1,4359)	1:67:A:ASP:H	1:70:A:VAL:HG21	10	1.01
(1,4359)	1:67:A:ASP:H	1:70:A:VAL:HG23	15	1.01
(1,4340)	1:13:B:VAL:H	1:79:B:LEU:HD11	6	1.01
(1,4339)	1:13:A:VAL:H	1:79:A:LEU:HD11	6	1.01
(1,4338)	1:13:B:VAL:H	1:13:B:VAL:HG13	1	1.01
(1,4338)	1:13:B:VAL:H	1:13:B:VAL:HG11	13	1.01
(1,4338)	1:13:B:VAL:H	1:13:B:VAL:HG13	17	1.01
(1,4337)	1:13:A:VAL:H	1:13:A:VAL:HG13	1	1.01
(1,4337)	1:13:A:VAL:H	1:13:A:VAL:HG13	2	1.01
(1,4337)	1:13:A:VAL:H	1:13:A:VAL:HG12	8	1.01
(1,4337)	1:13:A:VAL:H	1:13:A:VAL:HG11	13	1.01
(1,4337)	1:13:A:VAL:H	1:13:A:VAL:HG13	17	1.01
(1,4330)	1:58:B:LEU:H	1:58:B:LEU:HD11	15	1.01
(1,4330)	1:58:B:LEU:H	1:58:B:LEU:HD11	20	1.01
(1,4329)	1:58:A:LEU:H	1:58:A:LEU:HD13	2	1.01
(1,4329)	1:58:A:LEU:H	1:58:A:LEU:HD11	20	1.01
(1,4326)	1:42:B:LEU:H	1:79:B:LEU:HD23	2	1.01
(1,4264)	1:33:B:GLU:H	1:34:B:LEU:HD12	3	1.01
(1,4264)	1:33:B:GLU:H	1:34:B:LEU:HD13	18	1.01
(1,4264)	1:33:B:GLU:H	1:34:B:LEU:HD13	20	1.01
(1,4263)	1:33:A:GLU:H	1:34:A:LEU:HD12	3	1.01
(1,4263)	1:33:A:GLU:H	1:34:A:LEU:HD13	18	1.01
(1,4263)	1:33:A:GLU:H	1:34:A:LEU:HD13	20	1.01
(1,4193)	1:77:A:VAL:HA	1:83:B:ALA:HB3	18	1.01
(1,4168)	1:76:B:SER:HB2	1:79:B:LEU:HB3	7	1.01
(1,4167)	1:76:A:SER:HB2	1:79:A:LEU:HB3	7	1.01
(1,4114)	1:75:B:TYR:HA	1:70:B:VAL:HG23	13	1.01
(1,4113)	1:75:A:TYR:HA	1:70:A:VAL:HG23	13	1.01
(1,4075)	1:37:A:LEU:HD22	1:40:A:ARG:HA	11	1.01
(1,4064)	1:17:B:HIS:HA	1:13:B:VAL:HG13	8	1.01
(1,3918)	1:40:B:ARG:HD3	1:39:B:THR:HA	2	1.01
(1,3910)	1:62:B:LEU:HB2	1:75:B:TYR:HB2	4	1.01
(1,3909)	1:62:A:LEU:HB2	1:75:A:TYR:HB2	4	1.01
(1,3896)	1:38:B:LEU:HB2	1:36:B:GLU:HG3	3	1.01
(1,3732)	1:69:B:GLU:HB3	1:29:B:LEU:HD12	16	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3690)	1:56:B:GLN:HG3	1:55:B:PHE:HA	18	1.01
(1,3546)	1:29:B:LEU:HD22	1:22:B:LYS:HE2	19	1.01
(1,3545)	1:29:A:LEU:HD22	1:22:A:LYS:HE2	19	1.01
(1,3538)	1:5:B:LEU:HG	1:79:A:LEU:HD11	10	1.01
(1,3537)	1:5:A:LEU:HG	1:79:B:LEU:HD11	13	1.01
(1,3497)	1:79:A:LEU:HG	1:80:B:SER:HB3	12	1.01
(1,3483)	1:34:A:LEU:HD22	1:38:A:LEU:H	7	1.01
(1,3450)	1:18:B:LYS:HG2	1:22:B:LYS:HB3	5	1.01
(1,3449)	1:18:A:LYS:HG2	1:22:A:LYS:HB3	5	1.01
(1,3442)	1:58:B:LEU:HD12	1:38:B:LEU:HB3	5	1.01
(1,3441)	1:58:A:LEU:HD12	1:38:A:LEU:HB3	5	1.01
(1,3440)	1:58:B:LEU:HD12	1:38:B:LEU:HB3	5	1.01
(1,3439)	1:58:A:LEU:HD12	1:38:A:LEU:HB3	5	1.01
(1,3124)	1:73:B:GLN:HE22	1:78:B:PHE:HB2	18	1.01
(1,3124)	1:73:B:GLN:HE22	1:78:B:PHE:HB2	20	1.01
(1,3123)	1:73:A:GLN:HE22	1:78:A:PHE:HB2	18	1.01
(1,3123)	1:73:A:GLN:HE22	1:78:A:PHE:HB2	20	1.01
(1,2626)	1:9:B:LEU:H	1:82:A:ILE:HD12	8	1.01
(1,2625)	1:9:A:LEU:H	1:82:B:ILE:HD12	8	1.01
(1,2219)	1:100:A:LYS:H	1:97:A:GLN:HG3	5	1.01
(1,1856)	1:19:B:TYR:HA	1:29:B:LEU:HD12	4	1.01
(1,1855)	1:19:A:TYR:HA	1:29:A:LEU:HD12	4	1.01
(1,1748)	1:88:B:GLU:HB3	1:85:B:MET:HA	6	1.01
(1,1748)	1:88:B:GLU:HB3	1:85:B:MET:HA	16	1.01
(1,1747)	1:88:A:GLU:HB3	1:85:A:MET:HA	3	1.01
(1,1747)	1:88:A:GLU:HB3	1:85:A:MET:HA	6	1.01
(1,1747)	1:88:A:GLU:HB3	1:85:A:MET:HA	16	1.01
(1,1475)	1:42:A:LEU:HB3	1:39:A:THR:H	1	1.01
(1,1212)	1:28:B:LYS:HB3	1:70:B:VAL:HG11	11	1.01
(1,1211)	1:28:A:LYS:HB3	1:70:A:VAL:HG11	11	1.01
(1,1075)	1:31:A:LYS:HD3	1:52:A:GLU:HG2	6	1.01
(1,840)	1:59:B:MET:HB3	1:62:B:LEU:HD11	18	1.01
(1,679)	1:88:A:GLU:HB2	1:97:A:GLN:HE21	2	1.01
(1,652)	1:39:B:THR:HG23	1:40:B:ARG:HG2	13	1.01
(1,652)	1:39:B:THR:HG23	1:40:B:ARG:HG2	15	1.01
(1,651)	1:39:A:THR:HG21	1:40:A:ARG:HG2	17	1.01
(1,604)	1:40:B:ARG:HG2	1:36:B:GLU:HA	12	1.01
(1,603)	1:40:A:ARG:HG2	1:36:A:GLU:HA	12	1.01
(1,560)	1:94:B:PRO:HG3	1:101:B:LYS:HE2	9	1.01
(1,559)	1:94:A:PRO:HG3	1:101:A:LYS:HE2	9	1.01
(2,68)	1:59:B:MET:HB3	1:34:B:LEU:HB3	6	1.0
(2,67)	1:59:A:MET:HB3	1:34:A:LEU:HB3	6	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4606)	1:73:B:GLN:H	1:29:B:LEU:HD12	15	1.0
(1,4595)	1:62:A:LEU:H	1:57:A:LYS:HB3	16	1.0
(1,4544)	1:97:B:GLN:HE21	1:98:B:PRO:HD3	4	1.0
(1,4506)	1:32:B:SER:H	1:31:B:LYS:HE3	18	1.0
(1,4505)	1:32:A:SER:H	1:31:A:LYS:HE3	18	1.0
(1,4482)	1:14:B:SER:H	1:79:B:LEU:HD12	16	1.0
(1,4481)	1:14:A:SER:H	1:79:A:LEU:HD12	16	1.0
(1,4448)	1:69:B:GLU:H	1:28:B:LYS:HA	14	1.0
(1,4447)	1:69:A:GLU:H	1:28:A:LYS:HA	14	1.0
(1,4390)	1:76:B:SER:H	1:79:B:LEU:HD21	7	1.0
(1,4388)	1:76:B:SER:H	1:13:B:VAL:HG13	7	1.0
(1,4387)	1:76:A:SER:H	1:13:A:VAL:HG13	7	1.0
(1,4387)	1:76:A:SER:H	1:13:A:VAL:HG12	11	1.0
(1,4370)	1:95:B:ASP:H	1:27:A:PHE:HB2	2	1.0
(1,4369)	1:95:A:ASP:H	1:27:B:PHE:HB2	2	1.0
(1,4340)	1:13:B:VAL:H	1:79:B:LEU:HD12	18	1.0
(1,4339)	1:13:A:VAL:H	1:79:A:LEU:HD12	18	1.0
(1,4338)	1:13:B:VAL:H	1:13:B:VAL:HG11	3	1.0
(1,4338)	1:13:B:VAL:H	1:13:B:VAL:HG12	8	1.0
(1,4338)	1:13:B:VAL:H	1:13:B:VAL:HG13	10	1.0
(1,4338)	1:13:B:VAL:H	1:13:B:VAL:HG12	19	1.0
(1,4337)	1:13:A:VAL:H	1:13:A:VAL:HG11	3	1.0
(1,4337)	1:13:A:VAL:H	1:13:A:VAL:HG13	10	1.0
(1,4337)	1:13:A:VAL:H	1:13:A:VAL:HG12	19	1.0
(1,4330)	1:58:B:LEU:H	1:58:B:LEU:HD13	2	1.0
(1,4329)	1:58:A:LEU:H	1:58:A:LEU:HD11	15	1.0
(1,4325)	1:42:A:LEU:H	1:79:A:LEU:HD23	2	1.0
(1,4264)	1:33:B:GLU:H	1:34:B:LEU:HD12	5	1.0
(1,4263)	1:33:A:GLU:H	1:34:A:LEU:HD12	5	1.0
(1,4263)	1:33:A:GLU:H	1:34:A:LEU:HD13	8	1.0
(1,4200)	1:50:B:THR:HB	1:49:B:ARG:HD2	17	1.0
(1,4199)	1:50:A:THR:HB	1:49:A:ARG:HD2	17	1.0
(1,4198)	1:50:B:THR:HB	1:39:B:THR:H	8	1.0
(1,4198)	1:50:B:THR:HB	1:54:B:ALA:H	16	1.0
(1,4197)	1:50:A:THR:HB	1:39:A:THR:H	8	1.0
(1,4197)	1:50:A:THR:HB	1:54:A:ALA:H	16	1.0
(1,4194)	1:77:B:VAL:HA	1:83:A:ALA:HB1	9	1.0
(1,4194)	1:77:B:VAL:HA	1:83:A:ALA:HB3	18	1.0
(1,4193)	1:77:A:VAL:HA	1:83:B:ALA:HB1	9	1.0
(1,4149)	1:76:A:SER:HB3	1:82:B:ILE:HB	11	1.0
(1,4076)	1:37:B:LEU:HD23	1:40:B:ARG:HA	6	1.0
(1,4076)	1:37:B:LEU:HD22	1:40:B:ARG:HA	11	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4075)	1:37:A:LEU:HD23	1:40:A:ARG:HA	6	1.0
(1,4064)	1:37:B:LEU:HD12	1:17:B:HIS:HA	16	1.0
(1,4063)	1:17:A:HIS:HA	1:13:A:VAL:HG13	8	1.0
(1,4063)	1:37:A:LEU:HD12	1:17:A:HIS:HA	16	1.0
(1,4027)	1:83:A:ALA:HA	1:9:B:LEU:HB3	17	1.0
(1,3917)	1:40:A:ARG:HD3	1:39:A:THR:HA	2	1.0
(1,3896)	1:43:B:PRO:HB3	1:46:B:LEU:HB2	16	1.0
(1,3895)	1:38:A:LEU:HB2	1:36:A:GLU:HG3	3	1.0
(1,3895)	1:43:A:PRO:HB3	1:46:A:LEU:HB2	16	1.0
(1,3893)	1:79:A:LEU:HD21	1:37:A:LEU:HB3	17	1.0
(1,3880)	1:51:B:ASP:HB3	1:56:B:GLN:HB2	20	1.0
(1,3879)	1:51:A:ASP:HB3	1:56:A:GLN:HB2	20	1.0
(1,3854)	1:32:B:SER:H	1:31:B:LYS:HE3	18	1.0
(1,3853)	1:32:A:SER:H	1:31:A:LYS:HE3	18	1.0
(1,3804)	1:16:B:PHE:HB2	1:70:B:VAL:HG11	1	1.0
(1,3804)	1:16:B:PHE:HB2	1:70:B:VAL:HG13	2	1.0
(1,3803)	1:16:A:PHE:HB2	1:70:A:VAL:HG11	1	1.0
(1,3803)	1:16:A:PHE:HB2	1:70:A:VAL:HG13	2	1.0
(1,3731)	1:69:A:GLU:HB3	1:29:A:LEU:HD12	16	1.0
(1,3673)	1:59:A:MET:HG3	1:31:A:LYS:HB3	4	1.0
(1,3546)	1:29:B:LEU:HD22	1:22:B:LYS:HE3	15	1.0
(1,3545)	1:29:A:LEU:HD22	1:22:A:LYS:HE3	15	1.0
(1,3544)	1:29:B:LEU:HD22	1:69:B:GLU:HA	7	1.0
(1,3543)	1:29:A:LEU:HD22	1:69:A:GLU:HA	7	1.0
(1,3537)	1:5:A:LEU:HG	1:79:B:LEU:HD11	10	1.0
(1,3494)	1:79:B:LEU:HD22	1:15:B:THR:HB	20	1.0
(1,3493)	1:79:A:LEU:HD22	1:15:A:THR:HB	20	1.0
(1,3474)	1:5:B:LEU:HD23	1:43:A:PRO:HD2	5	1.0
(1,3473)	1:5:A:LEU:HD23	1:43:B:PRO:HD2	5	1.0
(1,3334)	1:83:B:ALA:HB3	1:82:B:ILE:HG21	19	1.0
(1,3333)	1:83:A:ALA:HB3	1:82:A:ILE:HG21	19	1.0
(1,3131)	1:73:A:GLN:HE22	1:62:A:LEU:HD22	13	1.0
(1,3123)	1:73:A:GLN:HE22	1:78:A:PHE:HB2	17	1.0
(1,2625)	1:9:A:LEU:H	1:82:B:ILE:HD11	15	1.0
(1,1748)	1:88:B:GLU:HB3	1:85:B:MET:HA	3	1.0
(1,1355)	1:22:A:LYS:HE3	1:22:A:LYS:HB3	15	1.0
(1,1346)	1:96:B:LYS:HE2	1:73:A:GLN:HG3	8	1.0
(1,1345)	1:96:A:LYS:HE2	1:73:B:GLN:HG3	8	1.0
(1,1076)	1:31:B:LYS:HD3	1:52:B:GLU:HG2	6	1.0
(1,1070)	1:88:B:GLU:HG3	1:96:B:LYS:HE2	3	1.0
(1,706)	1:88:B:GLU:HB2	1:96:B:LYS:HG3	6	1.0
(1,705)	1:88:A:GLU:HB2	1:96:A:LYS:HG3	6	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,652)	1:39:B:THR:HG21	1:40:B:ARG:HG2	16	1.0
(1,651)	1:39:A:THR:HG23	1:40:A:ARG:HG2	13	1.0
(1,651)	1:39:A:THR:HG23	1:40:A:ARG:HG2	15	1.0
(1,651)	1:39:A:THR:HG21	1:40:A:ARG:HG2	16	1.0
(1,459)	1:46:A:LEU:HD21	1:82:A:ILE:HD13	2	1.0
(1,434)	1:5:B:LEU:HD21	1:6:B:GLU:HG2	6	1.0
(1,433)	1:5:A:LEU:HD21	1:6:A:GLU:HG2	6	1.0
(1,124)	1:2:B:ALA:HB3	1:5:B:LEU:HD12	19	1.0
(1,106)	1:83:B:ALA:HB1	1:82:B:ILE:HD11	1	1.0
(1,105)	1:83:A:ALA:HB1	1:82:A:ILE:HD11	1	1.0
(1,40)	1:82:B:ILE:HD11	1:6:A:GLU:HB2	1	1.0
(1,39)	1:82:A:ILE:HD11	1:6:B:GLU:HB2	1	1.0
(1,39)	1:82:A:ILE:HD11	1:6:B:GLU:HB2	12	1.0
(1,2)	1:96:B:LYS:HD3	1:75:A:TYR:HB3	10	1.0
(1,1)	1:96:A:LYS:HD3	1:75:B:TYR:HB3	10	1.0
(2,68)	1:59:B:MET:HB3	1:34:B:LEU:HB3	19	0.99
(2,46)	1:59:B:MET:HG3	1:66:B:ARG:HD2	11	0.99
(2,45)	1:59:A:MET:HG3	1:66:A:ARG:HD2	11	0.99
(1,4596)	1:62:B:LEU:H	1:57:B:LYS:HB3	17	0.99
(1,4595)	1:62:A:LEU:H	1:57:A:LYS:HB3	17	0.99
(1,4562)	1:73:B:GLN:HE22	1:76:B:SER:HB2	12	0.99
(1,4561)	1:73:A:GLN:HE22	1:76:A:SER:HB2	12	0.99
(1,4543)	1:97:A:GLN:HE21	1:98:A:PRO:HD3	4	0.99
(1,4506)	1:32:B:SER:H	1:31:B:LYS:HE3	7	0.99
(1,4505)	1:32:A:SER:H	1:31:A:LYS:HE3	7	0.99
(1,4448)	1:69:B:GLU:H	1:28:B:LYS:HA	7	0.99
(1,4447)	1:69:A:GLU:H	1:28:A:LYS:HA	7	0.99
(1,4430)	1:34:B:LEU:H	1:34:B:LEU:HD13	8	0.99
(1,4429)	1:34:A:LEU:H	1:34:A:LEU:HD13	8	0.99
(1,4389)	1:76:A:SER:H	1:79:A:LEU:HD21	7	0.99
(1,4360)	1:67:B:ASP:H	1:70:B:VAL:HG23	7	0.99
(1,4359)	1:67:A:ASP:H	1:70:A:VAL:HG22	18	0.99
(1,4330)	1:58:B:LEU:H	1:58:B:LEU:HD13	4	0.99
(1,4329)	1:58:A:LEU:H	1:58:A:LEU:HD13	4	0.99
(1,4326)	1:42:B:LEU:H	1:79:B:LEU:HD21	18	0.99
(1,4325)	1:42:A:LEU:H	1:79:A:LEU:HD21	18	0.99
(1,4264)	1:33:B:GLU:H	1:34:B:LEU:HD12	1	0.99
(1,4264)	1:33:B:GLU:H	1:34:B:LEU:HD13	8	0.99
(1,4263)	1:33:A:GLU:H	1:34:A:LEU:HD12	1	0.99
(1,4263)	1:33:A:GLU:H	1:34:A:LEU:HD11	4	0.99
(1,4198)	1:50:B:THR:HB	1:54:B:ALA:H	5	0.99
(1,4197)	1:50:A:THR:HB	1:54:A:ALA:H	5	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4150)	1:76:B:SER:HB3	1:82:A:ILE:HB	11	0.99
(1,4114)	1:75:B:TYR:HA	1:70:B:VAL:HG22	10	0.99
(1,4113)	1:75:A:TYR:HA	1:70:A:VAL:HG22	10	0.99
(1,3896)	1:38:B:LEU:HB2	1:36:B:GLU:HG3	10	0.99
(1,3895)	1:38:A:LEU:HB2	1:36:A:GLU:HG3	10	0.99
(1,3894)	1:79:B:LEU:HD21	1:37:B:LEU:HB3	17	0.99
(1,3890)	1:7:B:LYS:HE3	1:38:A:LEU:HD13	2	0.99
(1,3889)	1:7:A:LYS:HE3	1:38:B:LEU:HD13	2	0.99
(1,3854)	1:32:B:SER:H	1:31:B:LYS:HE3	7	0.99
(1,3853)	1:32:A:SER:H	1:31:A:LYS:HE3	7	0.99
(1,3810)	1:75:B:TYR:HB2	1:37:B:LEU:HD13	1	0.99
(1,3809)	1:75:A:TYR:HB2	1:37:A:LEU:HD13	1	0.99
(1,3804)	1:16:B:PHE:HB2	1:79:B:LEU:HG	15	0.99
(1,3803)	1:16:A:PHE:HB2	1:79:A:LEU:HG	15	0.99
(1,3768)	1:84:B:MET:HB3	1:87:B:ASN:HB2	5	0.99
(1,3767)	1:84:A:MET:HB3	1:87:A:ASN:HB2	5	0.99
(1,3674)	1:59:B:MET:HG3	1:31:B:LYS:HB3	4	0.99
(1,3597)	1:7:A:LYS:HD3	1:9:A:LEU:HD13	1	0.99
(1,3544)	1:29:B:LEU:HD21	1:69:B:GLU:HA	18	0.99
(1,3543)	1:29:A:LEU:HD21	1:69:A:GLU:HA	18	0.99
(1,3542)	1:37:B:LEU:HD13	1:17:B:HIS:HA	8	0.99
(1,3541)	1:37:A:LEU:HD13	1:17:A:HIS:HA	8	0.99
(1,3538)	1:5:B:LEU:HG	1:79:A:LEU:HD11	13	0.99
(1,3364)	1:39:B:THR:HG23	1:37:B:LEU:HB3	14	0.99
(1,3363)	1:39:A:THR:HG23	1:37:A:LEU:HB3	14	0.99
(1,3312)	1:82:B:ILE:HD11	1:10:A:ASP:HB2	3	0.99
(1,3311)	1:82:A:ILE:HD11	1:10:B:ASP:HB2	3	0.99
(1,3132)	1:73:B:GLN:HE22	1:62:B:LEU:HD22	13	0.99
(1,3124)	1:73:B:GLN:HE22	1:78:B:PHE:HB2	5	0.99
(1,3124)	1:73:B:GLN:HE22	1:78:B:PHE:HB2	17	0.99
(1,3123)	1:73:A:GLN:HE22	1:78:A:PHE:HB2	5	0.99
(1,2720)	1:61:B:ASN:H	1:66:B:ARG:HD2	13	0.99
(1,2719)	1:61:A:ASN:H	1:66:A:ARG:HD2	13	0.99
(1,2631)	1:95:A:ASP:H	1:97:A:GLN:HE22	16	0.99
(1,2626)	1:9:B:LEU:H	1:82:A:ILE:HD11	15	0.99
(1,2210)	1:30:B:ASN:H	1:33:B:GLU:HB3	15	0.99
(1,2209)	1:30:A:ASN:H	1:33:A:GLU:HB3	15	0.99
(1,2092)	1:26:B:LYS:H	1:21:B:GLY:HA3	10	0.99
(1,2091)	1:26:A:LYS:H	1:21:A:GLY:HA3	10	0.99
(1,1856)	1:19:B:TYR:HA	1:29:B:LEU:HD12	12	0.99
(1,1856)	1:19:B:TYR:HA	1:29:B:LEU:HD12	20	0.99
(1,1855)	1:19:A:TYR:HA	1:29:A:LEU:HD12	12	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1855)	1:19:A:TYR:HA	1:29:A:LEU:HD12	20	0.99
(1,1505)	1:92:A:GLY:HA3	1:91:A:GLU:HG3	5	0.99
(1,1356)	1:22:B:LYS:HE3	1:22:B:LYS:HB3	6	0.99
(1,1356)	1:22:B:LYS:HE3	1:22:B:LYS:HB3	15	0.99
(1,1355)	1:22:A:LYS:HE3	1:22:A:LYS:HB3	6	0.99
(1,1076)	1:31:B:LYS:HD3	1:52:B:GLU:HG2	17	0.99
(1,1075)	1:31:A:LYS:HD3	1:52:A:GLU:HG2	17	0.99
(1,1069)	1:88:A:GLU:HG3	1:96:A:LYS:HE2	3	0.99
(1,652)	1:39:B:THR:HG22	1:40:B:ARG:HG2	4	0.99
(1,652)	1:39:B:THR:HG21	1:40:B:ARG:HG2	5	0.99
(1,651)	1:39:A:THR:HG22	1:40:A:ARG:HG2	4	0.99
(1,651)	1:39:A:THR:HG21	1:40:A:ARG:HG2	5	0.99
(1,651)	1:39:A:THR:HG23	1:40:A:ARG:HG2	7	0.99
(1,651)	1:39:A:THR:HG21	1:40:A:ARG:HG2	9	0.99
(1,460)	1:46:B:LEU:HD21	1:82:B:ILE:HD13	2	0.99
(1,434)	1:5:B:LEU:HD22	1:6:B:GLU:HG2	7	0.99
(1,433)	1:5:A:LEU:HD22	1:6:A:GLU:HG2	7	0.99
(1,123)	1:2:A:ALA:HB3	1:5:A:LEU:HD12	19	0.99
(1,40)	1:82:B:ILE:HD11	1:6:A:GLU:HB2	12	0.99
(2,90)	1:61:B:ASN:HA	1:66:B:ARG:HD2	8	0.98
(2,89)	1:61:A:ASN:HA	1:66:A:ARG:HD2	8	0.98
(2,89)	1:61:A:ASN:HA	1:66:A:ARG:HD2	9	0.98
(2,67)	1:59:A:MET:HB3	1:34:A:LEU:HB3	19	0.98
(2,46)	1:59:B:MET:HG3	1:66:B:ARG:HD2	18	0.98
(2,45)	1:59:A:MET:HG3	1:66:A:ARG:HD2	18	0.98
(2,36)	1:33:B:GLU:HB3	1:31:B:LYS:HA	6	0.98
(2,35)	1:33:A:GLU:HB3	1:31:A:LYS:HA	6	0.98
(1,4563)	1:73:A:GLN:HE22	1:96:B:LYS:HD2	11	0.98
(1,4506)	1:32:B:SER:H	1:31:B:LYS:HE3	4	0.98
(1,4505)	1:32:A:SER:H	1:31:A:LYS:HE3	4	0.98
(1,4436)	1:38:B:LEU:H	1:41:B:GLU:HG3	11	0.98
(1,4435)	1:38:A:LEU:H	1:41:A:GLU:HG3	11	0.98
(1,4394)	1:7:B:LYS:H	1:79:A:LEU:HD23	12	0.98
(1,4380)	1:10:B:ASP:H	1:9:B:LEU:HD13	1	0.98
(1,4380)	1:10:B:ASP:H	1:9:B:LEU:HD13	10	0.98
(1,4379)	1:10:A:ASP:H	1:9:A:LEU:HD13	10	0.98
(1,4360)	1:67:B:ASP:H	1:70:B:VAL:HG23	14	0.98
(1,4360)	1:67:B:ASP:H	1:70:B:VAL:HG22	18	0.98
(1,4359)	1:67:A:ASP:H	1:70:A:VAL:HG23	7	0.98
(1,4359)	1:67:A:ASP:H	1:70:A:VAL:HG23	14	0.98
(1,4340)	1:13:B:VAL:H	1:79:B:LEU:HD13	7	0.98
(1,4339)	1:13:A:VAL:H	1:79:A:LEU:HD13	7	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4338)	1:13:B:VAL:H	1:13:B:VAL:HG12	4	0.98
(1,4338)	1:13:B:VAL:H	1:13:B:VAL:HG13	5	0.98
(1,4338)	1:13:B:VAL:H	1:13:B:VAL:HG12	6	0.98
(1,4337)	1:13:A:VAL:H	1:13:A:VAL:HG12	4	0.98
(1,4337)	1:13:A:VAL:H	1:13:A:VAL:HG13	5	0.98
(1,4337)	1:13:A:VAL:H	1:13:A:VAL:HG12	6	0.98
(1,4264)	1:33:B:GLU:H	1:34:B:LEU:HD11	4	0.98
(1,4264)	1:33:B:GLU:H	1:34:B:LEU:HD11	6	0.98
(1,4263)	1:33:A:GLU:H	1:34:A:LEU:HD11	6	0.98
(1,4178)	1:60:B:SER:HB2	1:58:B:LEU:HB3	8	0.98
(1,4177)	1:60:A:SER:HB2	1:58:A:LEU:HB3	8	0.98
(1,3892)	1:7:B:LYS:HE3	1:9:B:LEU:HD23	3	0.98
(1,3891)	1:7:A:LYS:HE3	1:9:A:LEU:HD23	3	0.98
(1,3879)	1:51:A:ASP:HB2	1:56:A:GLN:HB3	4	0.98
(1,3860)	1:31:B:LYS:HE3	1:60:B:SER:HA	18	0.98
(1,3859)	1:31:A:LYS:HE3	1:60:A:SER:HA	18	0.98
(1,3854)	1:32:B:SER:H	1:31:B:LYS:HE3	4	0.98
(1,3853)	1:32:A:SER:H	1:31:A:LYS:HE3	4	0.98
(1,3598)	1:7:B:LYS:HD3	1:9:B:LEU:HD13	1	0.98
(1,3546)	1:29:B:LEU:HD21	1:22:B:LYS:HE3	18	0.98
(1,3545)	1:29:A:LEU:HD21	1:22:A:LYS:HE3	18	0.98
(1,3538)	1:5:B:LEU:HG	1:79:A:LEU:HD12	4	0.98
(1,3470)	1:48:B:LYS:HG3	1:46:B:LEU:HD22	7	0.98
(1,3469)	1:48:A:LYS:HG3	1:46:A:LEU:HD22	7	0.98
(1,3434)	1:38:B:LEU:HD11	1:41:B:GLU:HB3	10	0.98
(1,3433)	1:38:A:LEU:HD11	1:41:A:GLU:HB3	10	0.98
(1,3124)	1:73:B:GLN:HE22	1:78:B:PHE:HB2	11	0.98
(1,3123)	1:73:A:GLN:HE22	1:78:A:PHE:HB2	11	0.98
(1,2632)	1:95:B:ASP:H	1:97:B:GLN:HE22	16	0.98
(1,2242)	1:33:B:GLU:H	1:29:B:LEU:HB2	16	0.98
(1,1856)	1:19:B:TYR:HA	1:29:B:LEU:HD12	17	0.98
(1,1855)	1:19:A:TYR:HA	1:29:A:LEU:HD12	17	0.98
(1,1748)	1:88:B:GLU:HB3	1:85:B:MET:HA	13	0.98
(1,1747)	1:88:A:GLU:HB3	1:85:A:MET:HA	13	0.98
(1,1520)	1:26:B:LYS:HB3	1:21:B:GLY:HA3	18	0.98
(1,1519)	1:26:A:LYS:HB3	1:21:A:GLY:HA3	18	0.98
(1,1506)	1:92:B:GLY:HA3	1:91:B:GLU:HG3	5	0.98
(1,1476)	1:42:B:LEU:HB3	1:39:B:THR:H	14	0.98
(1,1475)	1:42:A:LEU:HB3	1:39:A:THR:H	14	0.98
(1,652)	1:39:B:THR:HG23	1:40:B:ARG:HG2	7	0.98
(1,652)	1:39:B:THR:HG21	1:40:B:ARG:HG2	9	0.98
(1,652)	1:39:B:THR:HG23	1:40:B:ARG:HG2	18	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,651)	1:39:A:THR:HG23	1:40:A:ARG:HG2	18	0.98
(1,560)	1:94:B:PRO:HG2	1:101:B:LYS:HE2	18	0.98
(1,476)	1:28:B:LYS:HG2	1:25:B:ASP:HB2	6	0.98
(1,475)	1:28:A:LYS:HG2	1:25:A:ASP:HB2	6	0.98
(1,412)	1:39:B:THR:HG21	1:46:B:LEU:HD23	1	0.98
(1,411)	1:39:A:THR:HG21	1:46:A:LEU:HD23	1	0.98
(1,382)	1:31:B:LYS:HG2	1:68:B:ASN:HD21	13	0.98
(2,288)	1:50:B:THR:H	1:48:B:LYS:HB2	1	0.97
(2,287)	1:50:A:THR:H	1:48:A:LYS:HB2	1	0.97
(2,287)	1:50:A:THR:H	1:48:A:LYS:HB2	14	0.97
(2,90)	1:61:B:ASN:HA	1:66:B:ARG:HD2	9	0.97
(2,36)	1:33:B:GLU:HB3	1:31:B:LYS:HA	4	0.97
(2,36)	1:33:B:GLU:HB3	1:31:B:LYS:HA	20	0.97
(2,35)	1:33:A:GLU:HB3	1:31:A:LYS:HA	20	0.97
(1,4617)	1:97:A:GLN:HE22	1:96:A:LYS:HB2	20	0.97
(1,4604)	1:73:B:GLN:H	1:13:B:VAL:HG13	9	0.97
(1,4603)	1:73:A:GLN:H	1:13:A:VAL:HG13	9	0.97
(1,4584)	1:36:B:GLU:H	1:34:B:LEU:HD22	4	0.97
(1,4584)	1:36:B:GLU:H	1:34:B:LEU:HD21	5	0.97
(1,4583)	1:36:A:GLU:H	1:34:A:LEU:HD22	4	0.97
(1,4583)	1:36:A:GLU:H	1:34:A:LEU:HD21	5	0.97
(1,4564)	1:73:B:GLN:HE22	1:96:A:LYS:HD2	11	0.97
(1,4562)	1:73:B:GLN:HE22	1:76:B:SER:HB3	20	0.97
(1,4561)	1:73:A:GLN:HE22	1:76:A:SER:HB3	20	0.97
(1,4427)	1:34:A:LEU:H	1:22:A:LYS:HE3	5	0.97
(1,4394)	1:7:B:LYS:H	1:79:A:LEU:HD13	16	0.97
(1,4393)	1:7:A:LYS:H	1:79:B:LEU:HD23	12	0.97
(1,4393)	1:7:A:LYS:H	1:79:B:LEU:HD13	16	0.97
(1,4379)	1:10:A:ASP:H	1:9:A:LEU:HD13	1	0.97
(1,4360)	1:67:B:ASP:H	1:70:B:VAL:HG22	8	0.97
(1,4359)	1:67:A:ASP:H	1:70:A:VAL:HG22	8	0.97
(1,4338)	1:13:B:VAL:H	1:13:B:VAL:HG13	14	0.97
(1,4337)	1:13:A:VAL:H	1:13:A:VAL:HG13	14	0.97
(1,4264)	1:33:B:GLU:H	1:34:B:LEU:HD11	13	0.97
(1,4263)	1:33:A:GLU:H	1:34:A:LEU:HD11	13	0.97
(1,4064)	1:17:B:HIS:HA	1:13:B:VAL:HG11	7	0.97
(1,4063)	1:17:A:HIS:HA	1:13:A:VAL:HG11	7	0.97
(1,4027)	1:83:A:ALA:HA	1:9:B:LEU:HB3	12	0.97
(1,3880)	1:51:B:ASP:HB2	1:56:B:GLN:HB3	4	0.97
(1,3816)	1:79:B:LEU:HB3	1:6:A:GLU:HA	1	0.97
(1,3804)	1:16:B:PHE:HB2	1:79:B:LEU:HG	16	0.97
(1,3803)	1:16:A:PHE:HB2	1:79:A:LEU:HG	16	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3690)	1:56:B:GLN:HG3	1:55:B:PHE:HA	13	0.97
(1,3689)	1:56:A:GLN:HG3	1:55:A:PHE:HA	13	0.97
(1,3550)	1:37:B:LEU:HD11	1:18:B:LYS:HB3	11	0.97
(1,3549)	1:37:A:LEU:HD11	1:18:A:LYS:HB3	11	0.97
(1,3544)	1:29:B:LEU:HD22	1:69:B:GLU:HA	20	0.97
(1,3543)	1:29:A:LEU:HD22	1:69:A:GLU:HA	20	0.97
(1,3537)	1:5:A:LEU:HG	1:79:B:LEU:HD12	4	0.97
(1,3369)	1:70:A:VAL:HG12	1:28:A:LYS:HE2	5	0.97
(1,3343)	1:77:A:VAL:HG11	1:84:B:MET:HG2	10	0.97
(1,3334)	1:83:B:ALA:HB2	1:82:B:ILE:HG23	8	0.97
(1,3334)	1:83:B:ALA:HB3	1:82:B:ILE:HG23	13	0.97
(1,3333)	1:83:A:ALA:HB2	1:82:A:ILE:HG23	8	0.97
(1,3333)	1:83:A:ALA:HB3	1:82:A:ILE:HG23	13	0.97
(1,2719)	1:61:A:ASN:H	1:66:A:ARG:HD2	8	0.97
(1,2556)	1:27:B:PHE:H	1:21:B:GLY:HA3	14	0.97
(1,2555)	1:27:A:PHE:H	1:21:A:GLY:HA3	14	0.97
(1,2241)	1:33:A:GLU:H	1:29:A:LEU:HB2	16	0.97
(1,2133)	1:25:A:ASP:H	1:28:A:LYS:HG2	9	0.97
(1,1856)	1:19:B:TYR:HA	1:29:B:LEU:HD11	13	0.97
(1,1855)	1:19:A:TYR:HA	1:29:A:LEU:HD11	13	0.97
(1,1456)	1:29:B:LEU:HB3	1:70:B:VAL:HG11	13	0.97
(1,1455)	1:29:A:LEU:HB3	1:70:A:VAL:HG11	13	0.97
(1,1355)	1:22:A:LYS:HE3	1:22:A:LYS:HB3	17	0.97
(1,1346)	1:96:B:LYS:HE2	1:73:A:GLN:HG3	18	0.97
(1,1076)	1:31:B:LYS:HD3	1:52:B:GLU:HG2	3	0.97
(1,1076)	1:31:B:LYS:HD3	1:52:B:GLU:HG2	7	0.97
(1,1075)	1:31:A:LYS:HD3	1:52:A:GLU:HG2	3	0.97
(1,560)	1:94:B:PRO:HG2	1:101:B:LYS:HE2	16	0.97
(1,559)	1:94:A:PRO:HG2	1:101:A:LYS:HE2	16	0.97
(1,559)	1:94:A:PRO:HG2	1:101:A:LYS:HE2	18	0.97
(1,516)	1:42:B:LEU:HD12	1:5:A:LEU:HD21	19	0.97
(1,381)	1:31:A:LYS:HG2	1:68:A:ASN:HD21	13	0.97
(1,106)	1:83:B:ALA:HB2	1:82:B:ILE:HD13	10	0.97
(1,105)	1:83:A:ALA:HB2	1:82:A:ILE:HD13	10	0.97
(1,8)	1:79:B:LEU:HD13	1:9:A:LEU:HD23	6	0.97
(2,288)	1:50:B:THR:H	1:48:B:LYS:HB2	14	0.96
(2,36)	1:33:B:GLU:HB3	1:31:B:LYS:HA	7	0.96
(2,35)	1:33:A:GLU:HB3	1:31:A:LYS:HA	4	0.96
(1,4524)	1:80:B:SER:H	1:79:B:LEU:HD21	2	0.96
(1,4523)	1:80:A:SER:H	1:79:A:LEU:HD21	2	0.96
(1,4506)	1:32:B:SER:H	1:31:B:LYS:HE3	13	0.96
(1,4505)	1:32:A:SER:H	1:31:A:LYS:HE3	13	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4503)	1:28:A:LYS:H	1:33:A:GLU:HB3	13	0.96
(1,4482)	1:14:B:SER:H	1:79:B:LEU:HD13	17	0.96
(1,4481)	1:14:A:SER:H	1:79:A:LEU:HD13	17	0.96
(1,4454)	1:69:B:GLU:H	1:28:B:LYS:HG3	20	0.96
(1,4453)	1:69:A:GLU:H	1:28:A:LYS:HG3	20	0.96
(1,4448)	1:69:B:GLU:H	1:28:B:LYS:HA	15	0.96
(1,4447)	1:69:A:GLU:H	1:28:A:LYS:HA	15	0.96
(1,4434)	1:38:B:LEU:H	1:55:B:PHE:HB3	5	0.96
(1,4433)	1:38:A:LEU:H	1:55:A:PHE:HB3	5	0.96
(1,4430)	1:34:B:LEU:H	1:34:B:LEU:HD11	6	0.96
(1,4429)	1:34:A:LEU:H	1:34:A:LEU:HD11	6	0.96
(1,4428)	1:34:B:LEU:H	1:22:B:LYS:HE3	5	0.96
(1,4340)	1:13:B:VAL:H	1:79:B:LEU:HD11	16	0.96
(1,4339)	1:13:A:VAL:H	1:79:A:LEU:HD11	16	0.96
(1,4332)	1:57:B:LYS:H	1:34:B:LEU:HD23	15	0.96
(1,4331)	1:57:A:LYS:H	1:34:A:LEU:HD23	15	0.96
(1,4264)	1:33:B:GLU:H	1:34:B:LEU:HD11	19	0.96
(1,4263)	1:33:A:GLU:H	1:34:A:LEU:HD11	19	0.96
(1,4197)	1:50:A:THR:HB	1:39:A:THR:H	17	0.96
(1,4180)	1:60:B:SER:HB3	1:58:B:LEU:HD11	19	0.96
(1,4179)	1:60:A:SER:HB3	1:58:A:LEU:HD11	19	0.96
(1,4076)	1:37:B:LEU:HD22	1:40:B:ARG:HA	2	0.96
(1,4075)	1:37:A:LEU:HD22	1:40:A:ARG:HA	2	0.96
(1,4028)	1:83:B:ALA:HA	1:9:A:LEU:HB3	8	0.96
(1,4028)	1:83:B:ALA:HA	1:9:A:LEU:HB3	12	0.96
(1,4027)	1:83:A:ALA:HA	1:9:B:LEU:HB3	8	0.96
(1,3926)	1:49:B:ARG:HD3	1:46:B:LEU:HD12	10	0.96
(1,3925)	1:49:A:ARG:HD3	1:46:A:LEU:HD12	10	0.96
(1,3918)	1:40:B:ARG:HD2	1:39:B:THR:HA	1	0.96
(1,3917)	1:40:A:ARG:HD2	1:39:A:THR:HA	1	0.96
(1,3854)	1:32:B:SER:H	1:31:B:LYS:HE3	13	0.96
(1,3853)	1:32:A:SER:H	1:31:A:LYS:HE3	13	0.96
(1,3820)	1:79:B:LEU:HB2	1:79:A:LEU:HB2	7	0.96
(1,3820)	1:79:B:LEU:HB2	1:79:A:LEU:HB2	12	0.96
(1,3819)	1:79:A:LEU:HB2	1:79:B:LEU:HB2	7	0.96
(1,3819)	1:79:A:LEU:HB2	1:79:B:LEU:HB2	12	0.96
(1,3815)	1:79:A:LEU:HB3	1:6:B:GLU:HA	1	0.96
(1,3674)	1:59:B:MET:HG3	1:31:B:LYS:HB3	2	0.96
(1,3673)	1:59:A:MET:HG3	1:31:A:LYS:HB3	2	0.96
(1,3656)	1:7:B:LYS:HB3	1:7:B:LYS:HE3	13	0.96
(1,3655)	1:7:A:LYS:HB3	1:7:A:LYS:HE3	13	0.96
(1,3569)	1:100:A:LYS:HD2	1:100:A:LYS:HA	5	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3569)	1:100:A:LYS:HD2	1:100:A:LYS:HA	7	0.96
(1,3534)	1:98:B:PRO:HG2	1:99:B:ARG:HB2	18	0.96
(1,3533)	1:98:A:PRO:HG2	1:99:A:ARG:HB2	18	0.96
(1,3484)	1:34:B:LEU:HD21	1:38:B:LEU:H	14	0.96
(1,3483)	1:34:A:LEU:HD21	1:38:A:LEU:H	14	0.96
(1,3370)	1:70:B:VAL:HG12	1:28:B:LYS:HE2	5	0.96
(1,3344)	1:77:B:VAL:HG11	1:84:A:MET:HG2	10	0.96
(1,3344)	1:77:B:VAL:HG13	1:84:A:MET:HG2	14	0.96
(1,3334)	1:83:B:ALA:HB3	1:82:B:ILE:HG22	14	0.96
(1,3333)	1:83:A:ALA:HB3	1:82:A:ILE:HG22	14	0.96
(1,3123)	1:73:A:GLN:HE22	1:78:A:PHE:HB2	8	0.96
(1,2720)	1:61:B:ASN:H	1:66:B:ARG:HD2	8	0.96
(1,2556)	1:27:B:PHE:H	1:21:B:GLY:HA3	19	0.96
(1,2555)	1:27:A:PHE:H	1:21:A:GLY:HA3	19	0.96
(1,2134)	1:25:B:ASP:H	1:28:B:LYS:HG2	9	0.96
(1,2134)	1:25:B:ASP:H	1:28:B:LYS:HG2	20	0.96
(1,1504)	1:92:B:GLY:HA2	1:90:B:PHE:HB3	10	0.96
(1,1472)	1:42:B:LEU:HB3	1:38:B:LEU:H	12	0.96
(1,1472)	1:42:B:LEU:HB3	1:38:B:LEU:H	18	0.96
(1,1471)	1:42:A:LEU:HB3	1:38:A:LEU:H	12	0.96
(1,1471)	1:42:A:LEU:HB3	1:38:A:LEU:H	18	0.96
(1,1356)	1:22:B:LYS:HE3	1:22:B:LYS:HB3	17	0.96
(1,1345)	1:96:A:LYS:HE2	1:73:B:GLN:HG3	18	0.96
(1,1075)	1:31:A:LYS:HD3	1:52:A:GLU:HG2	7	0.96
(1,1060)	1:88:B:GLU:HG2	1:84:B:MET:HA	4	0.96
(1,1059)	1:88:A:GLU:HG2	1:84:A:MET:HA	4	0.96
(1,1047)	1:23:A:GLU:HG3	1:33:A:GLU:HG2	11	0.96
(1,936)	1:98:B:PRO:HB3	1:101:B:LYS:HG2	7	0.96
(1,935)	1:98:A:PRO:HB3	1:101:A:LYS:HG2	7	0.96
(1,840)	1:59:B:MET:HB3	1:62:B:LEU:HD13	12	0.96
(1,839)	1:59:A:MET:HB3	1:62:A:LEU:HD13	12	0.96
(1,680)	1:88:B:GLU:HB2	1:97:B:GLN:HE21	13	0.96
(1,679)	1:88:A:GLU:HB2	1:97:A:GLN:HE21	13	0.96
(1,652)	1:39:B:THR:HG21	1:40:B:ARG:HG2	12	0.96
(1,651)	1:39:A:THR:HG22	1:40:A:ARG:HG2	6	0.96
(1,651)	1:39:A:THR:HG21	1:40:A:ARG:HG2	12	0.96
(1,515)	1:42:A:LEU:HD12	1:5:B:LEU:HD21	19	0.96
(1,64)	1:82:B:ILE:HG23	1:13:A:VAL:HG23	8	0.96
(1,63)	1:82:A:ILE:HG21	1:13:B:VAL:HG22	19	0.96
(1,40)	1:82:B:ILE:HD12	1:6:A:GLU:HB2	18	0.96
(1,39)	1:82:A:ILE:HD12	1:6:B:GLU:HB2	18	0.96
(1,7)	1:79:A:LEU:HD13	1:9:B:LEU:HD23	6	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2)	1:96:B:LYS:HD2	1:75:A:TYR:HB3	2	0.96
(2,90)	1:61:B:ASN:HA	1:66:B:ARG:HD2	18	0.95
(2,89)	1:61:A:ASN:HA	1:66:A:ARG:HD2	18	0.95
(2,35)	1:33:A:GLU:HB3	1:31:A:LYS:HA	7	0.95
(1,4618)	1:97:B:GLN:HE22	1:96:B:LYS:HB2	20	0.95
(1,4605)	1:73:A:GLN:H	1:29:A:LEU:HD11	8	0.95
(1,4583)	1:36:A:GLU:H	1:34:A:LEU:HD21	15	0.95
(1,4562)	1:73:B:GLN:HE22	1:76:B:SER:HB3	14	0.95
(1,4561)	1:73:A:GLN:HE22	1:76:A:SER:HB3	14	0.95
(1,4535)	1:41:A:GLU:H	1:79:A:LEU:HD21	14	0.95
(1,4524)	1:80:B:SER:H	1:79:B:LEU:HD22	18	0.95
(1,4523)	1:80:A:SER:H	1:79:A:LEU:HD22	18	0.95
(1,4506)	1:32:B:SER:H	1:31:B:LYS:HE3	14	0.95
(1,4505)	1:32:A:SER:H	1:31:A:LYS:HE3	14	0.95
(1,4504)	1:28:B:LYS:H	1:33:B:GLU:HB3	13	0.95
(1,4504)	1:28:B:LYS:H	1:33:B:GLU:HB3	14	0.95
(1,4503)	1:28:A:LYS:H	1:33:A:GLU:HB3	14	0.95
(1,4464)	1:31:B:LYS:H	1:34:B:LEU:HD21	8	0.95
(1,4448)	1:69:B:GLU:H	1:71:B:ASP:HA	4	0.95
(1,4448)	1:69:B:GLU:H	1:28:B:LYS:HA	19	0.95
(1,4447)	1:69:A:GLU:H	1:71:A:ASP:HA	4	0.95
(1,4447)	1:69:A:GLU:H	1:28:A:LYS:HA	19	0.95
(1,4394)	1:7:B:LYS:H	1:79:A:LEU:HD23	11	0.95
(1,4380)	1:10:B:ASP:H	1:9:B:LEU:HD21	15	0.95
(1,4379)	1:10:A:ASP:H	1:9:A:LEU:HD21	15	0.95
(1,4332)	1:57:B:LYS:H	1:34:B:LEU:HD23	3	0.95
(1,4331)	1:57:A:LYS:H	1:34:A:LEU:HD23	3	0.95
(1,4330)	1:58:B:LEU:H	1:58:B:LEU:HD12	11	0.95
(1,4330)	1:58:B:LEU:H	1:58:B:LEU:HD11	14	0.95
(1,4330)	1:58:B:LEU:H	1:58:B:LEU:HD13	19	0.95
(1,4329)	1:58:A:LEU:H	1:58:A:LEU:HD12	11	0.95
(1,4329)	1:58:A:LEU:H	1:58:A:LEU:HD11	14	0.95
(1,4329)	1:58:A:LEU:H	1:58:A:LEU:HD13	19	0.95
(1,4326)	1:42:B:LEU:H	1:79:B:LEU:HD21	15	0.95
(1,4325)	1:42:A:LEU:H	1:79:A:LEU:HD21	15	0.95
(1,4263)	1:33:A:GLU:H	1:34:A:LEU:HD12	15	0.95
(1,4193)	1:77:A:VAL:HA	1:83:B:ALA:HB2	11	0.95
(1,4114)	1:75:B:TYR:HA	1:70:B:VAL:HG21	15	0.95
(1,4113)	1:75:A:TYR:HA	1:70:A:VAL:HG21	15	0.95
(1,3910)	1:62:B:LEU:HB2	1:75:B:TYR:HB2	6	0.95
(1,3909)	1:62:A:LEU:HB2	1:75:A:TYR:HB2	6	0.95
(1,3896)	1:43:B:PRO:HB3	1:46:B:LEU:HB2	15	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3895)	1:43:A:PRO:HB3	1:46:A:LEU:HB2	15	0.95
(1,3854)	1:32:B:SER:H	1:31:B:LYS:HE3	14	0.95
(1,3853)	1:32:A:SER:H	1:31:A:LYS:HE3	14	0.95
(1,3816)	1:79:B:LEU:HB3	1:80:B:SER:HB2	5	0.95
(1,3815)	1:79:A:LEU:HB3	1:80:A:SER:HB2	5	0.95
(1,3772)	1:87:B:ASN:HB3	1:16:A:PHE:HB2	5	0.95
(1,3771)	1:87:A:ASN:HB3	1:16:B:PHE:HB2	5	0.95
(1,3768)	1:84:B:MET:HB3	1:87:B:ASN:HB2	16	0.95
(1,3767)	1:84:A:MET:HB3	1:87:A:ASN:HB2	16	0.95
(1,3689)	1:56:A:GLN:HG2	1:55:A:PHE:HA	12	0.95
(1,3628)	1:59:B:MET:HB3	1:55:B:PHE:HB3	20	0.95
(1,3627)	1:59:A:MET:HB3	1:55:A:PHE:HB3	20	0.95
(1,3620)	1:17:B:HIS:HB2	1:13:B:VAL:HG11	1	0.95
(1,3619)	1:17:A:HIS:HB2	1:13:A:VAL:HG11	1	0.95
(1,3570)	1:100:B:LYS:HD2	1:100:B:LYS:HA	5	0.95
(1,3570)	1:100:B:LYS:HD2	1:100:B:LYS:HA	7	0.95
(1,3546)	1:29:B:LEU:HD21	1:22:B:LYS:HE2	4	0.95
(1,3545)	1:29:A:LEU:HD21	1:22:A:LYS:HE2	4	0.95
(1,3442)	1:58:B:LEU:HD12	1:38:B:LEU:HB3	17	0.95
(1,3441)	1:58:A:LEU:HD12	1:38:A:LEU:HB3	17	0.95
(1,3440)	1:58:B:LEU:HD12	1:38:B:LEU:HB3	17	0.95
(1,3439)	1:58:A:LEU:HD12	1:38:A:LEU:HB3	17	0.95
(1,3370)	1:50:B:THR:HG22	1:49:B:ARG:HD2	17	0.95
(1,3343)	1:77:A:VAL:HG13	1:84:B:MET:HG2	11	0.95
(1,3343)	1:77:A:VAL:HG13	1:84:B:MET:HG2	14	0.95
(1,3340)	1:2:B:ALA:HB1	1:42:A:LEU:HD21	9	0.95
(1,3124)	1:73:B:GLN:HE22	1:78:B:PHE:HB2	8	0.95
(1,3046)	1:41:B:GLU:H	1:29:B:LEU:HD11	2	0.95
(1,3045)	1:41:A:GLU:H	1:29:A:LEU:HD11	2	0.95
(1,2962)	1:28:B:LYS:H	1:29:B:LEU:HD13	14	0.95
(1,2961)	1:28:A:LYS:H	1:29:A:LEU:HD11	11	0.95
(1,2720)	1:61:B:ASN:H	1:66:B:ARG:HD2	1	0.95
(1,2719)	1:61:A:ASN:H	1:66:A:ARG:HD2	1	0.95
(1,2510)	1:42:B:LEU:H	1:82:B:ILE:HD11	8	0.95
(1,2133)	1:25:A:ASP:H	1:28:A:LYS:HG2	20	0.95
(1,2096)	1:26:B:LYS:H	1:26:B:LYS:HG3	8	0.95
(1,2095)	1:26:A:LYS:H	1:26:A:LYS:HG3	8	0.95
(1,2040)	1:43:B:PRO:HA	1:46:B:LEU:HD13	10	0.95
(1,2039)	1:43:A:PRO:HA	1:46:A:LEU:HD13	10	0.95
(1,1995)	1:32:A:SER:HB2	1:33:A:GLU:HG3	9	0.95
(1,1856)	1:19:B:TYR:HA	1:29:B:LEU:HD12	5	0.95
(1,1856)	1:19:B:TYR:HA	1:29:B:LEU:HD13	19	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1855)	1:19:A:TYR:HA	1:29:A:LEU:HD12	5	0.95
(1,1855)	1:19:A:TYR:HA	1:29:A:LEU:HD13	19	0.95
(1,1503)	1:92:A:GLY:HA2	1:90:A:PHE:HB3	10	0.95
(1,1076)	1:31:B:LYS:HD3	1:52:B:GLU:HG2	1	0.95
(1,1075)	1:31:A:LYS:HD3	1:52:A:GLU:HG2	1	0.95
(1,1068)	1:91:B:GLU:HG3	1:90:B:PHE:HB3	13	0.95
(1,1067)	1:91:A:GLU:HG3	1:90:A:PHE:HB3	13	0.95
(1,1048)	1:23:B:GLU:HG3	1:33:B:GLU:HG2	11	0.95
(1,732)	1:52:B:GLU:HB3	1:31:B:LYS:HE3	8	0.95
(1,731)	1:52:A:GLU:HB3	1:31:A:LYS:HE3	8	0.95
(1,652)	1:39:B:THR:HG22	1:40:B:ARG:HG2	6	0.95
(1,416)	1:46:B:LEU:HD21	1:62:B:LEU:HD11	7	0.95
(1,415)	1:46:A:LEU:HD21	1:62:A:LEU:HD11	5	0.95
(1,415)	1:46:A:LEU:HD21	1:62:A:LEU:HD11	7	0.95
(1,64)	1:82:B:ILE:HG22	1:13:A:VAL:HG23	3	0.95
(1,64)	1:82:B:ILE:HG21	1:13:A:VAL:HG22	19	0.95
(1,63)	1:82:A:ILE:HG22	1:13:B:VAL:HG23	3	0.95
(1,63)	1:82:A:ILE:HG23	1:13:B:VAL:HG23	8	0.95
(1,1)	1:96:A:LYS:HD2	1:75:B:TYR:HB3	2	0.95
(2,46)	1:59:B:MET:HG3	1:66:B:ARG:HD2	2	0.94
(2,45)	1:59:A:MET:HG3	1:66:A:ARG:HD2	2	0.94
(2,36)	1:33:B:GLU:HB3	1:31:B:LYS:HA	11	0.94
(1,4606)	1:73:B:GLN:H	1:29:B:LEU:HD11	8	0.94
(1,4584)	1:36:B:GLU:H	1:34:B:LEU:HD21	15	0.94
(1,4570)	1:30:B:ASN:HD22	1:34:B:LEU:HD12	9	0.94
(1,4570)	1:30:B:ASN:HD22	1:34:B:LEU:HD11	13	0.94
(1,4569)	1:30:A:ASN:HD22	1:34:A:LEU:HD12	9	0.94
(1,4569)	1:30:A:ASN:HD22	1:34:A:LEU:HD11	13	0.94
(1,4561)	1:73:A:GLN:HE22	1:77:A:VAL:HA	10	0.94
(1,4536)	1:41:B:GLU:H	1:79:B:LEU:HD21	14	0.94
(1,4524)	1:80:B:SER:H	1:79:B:LEU:HD23	8	0.94
(1,4523)	1:80:A:SER:H	1:79:A:LEU:HD23	8	0.94
(1,4506)	1:32:B:SER:H	1:31:B:LYS:HE3	3	0.94
(1,4505)	1:32:A:SER:H	1:31:A:LYS:HE3	3	0.94
(1,4504)	1:28:B:LYS:H	1:69:B:GLU:HG2	1	0.94
(1,4504)	1:28:B:LYS:H	1:33:B:GLU:HB3	12	0.94
(1,4503)	1:28:A:LYS:H	1:69:A:GLU:HG2	1	0.94
(1,4503)	1:28:A:LYS:H	1:33:A:GLU:HB3	12	0.94
(1,4477)	1:85:A:MET:H	1:82:A:ILE:HG13	9	0.94
(1,4463)	1:31:A:LYS:H	1:34:A:LEU:HD21	8	0.94
(1,4434)	1:38:B:LEU:H	1:55:B:PHE:HB3	8	0.94
(1,4433)	1:38:A:LEU:H	1:55:A:PHE:HB3	8	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4392)	1:7:B:LYS:H	1:42:A:LEU:HD23	7	0.94
(1,4391)	1:7:A:LYS:H	1:42:B:LEU:HD23	7	0.94
(1,4380)	1:10:B:ASP:H	1:9:B:LEU:HD23	20	0.94
(1,4379)	1:10:A:ASP:H	1:9:A:LEU:HD23	20	0.94
(1,4360)	1:67:B:ASP:H	1:70:B:VAL:HG21	1	0.94
(1,4359)	1:67:A:ASP:H	1:70:A:VAL:HG21	1	0.94
(1,4340)	1:13:B:VAL:H	1:79:B:LEU:HD13	2	0.94
(1,4331)	1:57:A:LYS:H	1:58:A:LEU:HD13	19	0.94
(1,4326)	1:42:B:LEU:H	1:79:B:LEU:HD23	1	0.94
(1,4325)	1:42:A:LEU:H	1:79:A:LEU:HD23	1	0.94
(1,4264)	1:33:B:GLU:H	1:34:B:LEU:HD12	15	0.94
(1,4198)	1:50:B:THR:HB	1:39:B:THR:H	17	0.94
(1,4076)	1:37:B:LEU:HD23	1:40:B:ARG:HA	1	0.94
(1,4075)	1:37:A:LEU:HD23	1:40:A:ARG:HA	1	0.94
(1,4027)	1:83:A:ALA:HA	1:9:B:LEU:HB3	11	0.94
(1,4015)	1:41:A:GLU:HA	1:42:A:LEU:HD21	9	0.94
(1,3896)	1:43:B:PRO:HB3	1:46:B:LEU:HB2	4	0.94
(1,3895)	1:43:A:PRO:HB3	1:46:A:LEU:HB2	4	0.94
(1,3888)	1:31:B:LYS:HE2	1:35:B:LYS:HD2	19	0.94
(1,3887)	1:31:A:LYS:HE2	1:35:A:LYS:HD2	19	0.94
(1,3880)	1:51:B:ASP:HB3	1:56:B:GLN:HB3	7	0.94
(1,3879)	1:51:A:ASP:HB3	1:56:A:GLN:HB3	7	0.94
(1,3854)	1:32:B:SER:H	1:31:B:LYS:HE3	3	0.94
(1,3853)	1:32:A:SER:H	1:31:A:LYS:HE3	3	0.94
(1,3848)	1:9:B:LEU:HB2	1:79:A:LEU:HD13	5	0.94
(1,3847)	1:9:A:LEU:HB2	1:79:B:LEU:HD13	5	0.94
(1,3792)	1:61:B:ASN:HB3	1:81:B:SER:HB2	1	0.94
(1,3792)	1:61:B:ASN:HB3	1:81:B:SER:HB2	11	0.94
(1,3791)	1:61:A:ASN:HB3	1:81:A:SER:HB2	1	0.94
(1,3791)	1:61:A:ASN:HB3	1:81:A:SER:HB2	11	0.94
(1,3770)	1:16:B:PHE:HB2	1:87:A:ASN:HB2	13	0.94
(1,3766)	1:87:B:ASN:HB3	1:89:B:PHE:HB2	6	0.94
(1,3765)	1:87:A:ASN:HB3	1:89:A:PHE:HB2	6	0.94
(1,3732)	1:69:B:GLU:HB3	1:29:B:LEU:HD13	6	0.94
(1,3731)	1:69:A:GLU:HB3	1:29:A:LEU:HD13	6	0.94
(1,3690)	1:56:B:GLN:HG2	1:55:B:PHE:HA	12	0.94
(1,3634)	1:43:B:PRO:HB3	1:46:B:LEU:HB2	3	0.94
(1,3633)	1:43:A:PRO:HB3	1:46:A:LEU:HB2	3	0.94
(1,3628)	1:59:B:MET:HB3	1:55:B:PHE:HB3	10	0.94
(1,3627)	1:59:A:MET:HB3	1:55:A:PHE:HB3	10	0.94
(1,3576)	1:88:B:GLU:HB2	1:90:B:PHE:HB3	4	0.94
(1,3575)	1:88:A:GLU:HB2	1:90:A:PHE:HB3	4	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3557)	1:40:A:ARG:HG2	1:36:A:GLU:HG2	7	0.94
(1,3544)	1:29:B:LEU:HD23	1:69:B:GLU:HA	6	0.94
(1,3543)	1:29:A:LEU:HD23	1:69:A:GLU:HA	6	0.94
(1,3533)	1:98:A:PRO:HG2	1:99:A:ARG:HB2	11	0.94
(1,3497)	1:79:A:LEU:HG	1:80:B:SER:HB3	13	0.94
(1,3494)	1:79:B:LEU:HD21	1:15:B:THR:HB	16	0.94
(1,3493)	1:79:A:LEU:HD21	1:15:A:THR:HB	16	0.94
(1,3391)	1:68:A:ASN:HD21	1:70:A:VAL:HG21	6	0.94
(1,3369)	1:50:A:THR:HG22	1:49:A:ARG:HD2	17	0.94
(1,3339)	1:2:A:ALA:HB1	1:42:B:LEU:HD21	9	0.94
(1,3334)	1:83:B:ALA:HB1	1:82:B:ILE:HG21	4	0.94
(1,3334)	1:83:B:ALA:HB2	1:82:B:ILE:HG21	6	0.94
(1,3333)	1:83:A:ALA:HB1	1:82:A:ILE:HG21	4	0.94
(1,3333)	1:83:A:ALA:HB2	1:82:A:ILE:HG21	6	0.94
(1,3304)	1:9:B:LEU:HD12	1:15:A:THR:HB	20	0.94
(1,3303)	1:9:A:LEU:HD12	1:15:B:THR:HB	20	0.94
(1,2962)	1:28:B:LYS:H	1:29:B:LEU:HD11	11	0.94
(1,2961)	1:28:A:LYS:H	1:29:A:LEU:HD13	14	0.94
(1,2509)	1:42:A:LEU:H	1:82:A:ILE:HD11	8	0.94
(1,2074)	1:15:B:THR:HA	1:5:A:LEU:HD23	17	0.94
(1,2073)	1:15:A:THR:HA	1:5:B:LEU:HD23	17	0.94
(1,1996)	1:32:B:SER:HB2	1:33:B:GLU:HG3	9	0.94
(1,1748)	1:88:B:GLU:HB3	1:85:B:MET:HA	5	0.94
(1,1747)	1:88:A:GLU:HB3	1:85:A:MET:HA	5	0.94
(1,1504)	1:92:B:GLY:HA2	1:90:B:PHE:HB3	8	0.94
(1,1503)	1:92:A:GLY:HA2	1:90:A:PHE:HB3	8	0.94
(1,1076)	1:31:B:LYS:HD3	1:52:B:GLU:HG2	2	0.94
(1,1062)	1:88:B:GLU:HG2	1:85:B:MET:HA	3	0.94
(1,1061)	1:88:A:GLU:HG2	1:85:A:MET:HA	3	0.94
(1,1026)	1:41:B:GLU:HG3	1:40:B:ARG:HA	20	0.94
(1,1025)	1:41:A:GLU:HG3	1:40:A:ARG:HA	20	0.94
(1,936)	1:98:B:PRO:HB3	1:101:B:LYS:HG2	8	0.94
(1,840)	1:59:B:MET:HB3	1:62:B:LEU:HD12	13	0.94
(1,839)	1:59:A:MET:HB3	1:62:A:LEU:HD12	13	0.94
(1,706)	1:88:B:GLU:HB2	1:96:B:LYS:HG2	11	0.94
(1,705)	1:88:A:GLU:HB2	1:96:A:LYS:HG2	11	0.94
(1,610)	1:37:B:LEU:HD11	1:41:B:GLU:HG2	7	0.94
(1,604)	1:40:B:ARG:HG2	1:36:B:GLU:HA	17	0.94
(1,603)	1:40:A:ARG:HG2	1:36:A:GLU:HA	17	0.94
(1,416)	1:46:B:LEU:HD21	1:62:B:LEU:HD11	5	0.94
(1,382)	1:31:B:LYS:HG2	1:68:B:ASN:HD21	19	0.94
(1,381)	1:31:A:LYS:HG2	1:68:A:ASN:HD21	19	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,116)	1:2:B:ALA:HB1	1:7:B:LYS:HE2	15	0.94
(1,115)	1:2:A:ALA:HB1	1:7:A:LYS:HE2	15	0.94
(1,106)	1:83:B:ALA:HB3	1:82:B:ILE:HD12	19	0.94
(1,105)	1:83:A:ALA:HB3	1:82:A:ILE:HD12	19	0.94
(1,63)	1:82:A:ILE:HG23	1:13:B:VAL:HG21	7	0.94
(1,39)	1:82:A:ILE:HD13	1:6:B:GLU:HB2	16	0.94
(2,90)	1:61:B:ASN:HA	1:66:B:ARG:HD2	14	0.93
(2,89)	1:61:A:ASN:HA	1:66:A:ARG:HD2	14	0.93
(2,35)	1:33:A:GLU:HB3	1:31:A:LYS:HA	11	0.93
(1,4564)	1:73:B:GLN:HE22	1:96:A:LYS:HD3	10	0.93
(1,4563)	1:73:A:GLN:HE22	1:96:B:LYS:HD3	10	0.93
(1,4562)	1:73:B:GLN:HE22	1:76:B:SER:HB3	5	0.93
(1,4562)	1:73:B:GLN:HE22	1:77:B:VAL:HA	10	0.93
(1,4561)	1:73:A:GLN:HE22	1:76:A:SER:HB3	5	0.93
(1,4554)	1:56:B:GLN:HE21	1:34:B:LEU:HD21	11	0.93
(1,4553)	1:56:A:GLN:HE21	1:34:A:LEU:HD21	11	0.93
(1,4524)	1:80:B:SER:H	1:79:B:LEU:HD22	17	0.93
(1,4523)	1:80:A:SER:H	1:79:A:LEU:HD22	17	0.93
(1,4504)	1:28:B:LYS:H	1:69:B:GLU:HG2	5	0.93
(1,4504)	1:28:B:LYS:H	1:33:B:GLU:HB3	18	0.93
(1,4503)	1:28:A:LYS:H	1:69:A:GLU:HG2	5	0.93
(1,4478)	1:85:B:MET:H	1:82:B:ILE:HG13	9	0.93
(1,4454)	1:69:B:GLU:H	1:28:B:LYS:HG3	11	0.93
(1,4453)	1:69:A:GLU:H	1:28:A:LYS:HG3	11	0.93
(1,4448)	1:69:B:GLU:H	1:28:B:LYS:HA	20	0.93
(1,4447)	1:69:A:GLU:H	1:28:A:LYS:HA	20	0.93
(1,4434)	1:38:B:LEU:H	1:55:B:PHE:HB3	4	0.93
(1,4433)	1:38:A:LEU:H	1:55:A:PHE:HB3	4	0.93
(1,4393)	1:7:A:LYS:H	1:79:B:LEU:HD23	11	0.93
(1,4339)	1:13:A:VAL:H	1:79:A:LEU:HD13	2	0.93
(1,4332)	1:57:B:LYS:H	1:58:B:LEU:HD13	19	0.93
(1,4330)	1:58:B:LEU:H	1:58:B:LEU:HD13	3	0.93
(1,4329)	1:58:A:LEU:H	1:58:A:LEU:HD12	13	0.93
(1,4264)	1:33:B:GLU:H	1:34:B:LEU:HD12	7	0.93
(1,4263)	1:33:A:GLU:H	1:34:A:LEU:HD12	7	0.93
(1,4194)	1:77:B:VAL:HA	1:83:A:ALA:HB2	11	0.93
(1,4194)	1:77:B:VAL:HA	1:83:A:ALA:HB1	20	0.93
(1,4076)	1:37:B:LEU:HD21	1:40:B:ARG:HA	17	0.93
(1,4075)	1:37:A:LEU:HD21	1:40:A:ARG:HA	17	0.93
(1,4028)	1:83:B:ALA:HA	1:9:A:LEU:HB3	11	0.93
(1,4016)	1:41:B:GLU:HA	1:42:B:LEU:HD21	9	0.93
(1,3914)	1:40:B:ARG:HD3	1:37:B:LEU:HD22	2	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3913)	1:40:A:ARG:HD3	1:37:A:LEU:HD22	2	0.93
(1,3896)	1:38:B:LEU:HB2	1:36:B:GLU:HG3	12	0.93
(1,3896)	1:38:B:LEU:HB2	1:36:B:GLU:HG3	17	0.93
(1,3895)	1:38:A:LEU:HB2	1:36:A:GLU:HG3	17	0.93
(1,3769)	1:16:A:PHE:HB2	1:87:B:ASN:HB2	13	0.93
(1,3636)	1:33:B:GLU:HB3	1:34:B:LEU:HB2	10	0.93
(1,3635)	1:33:A:GLU:HB3	1:34:A:LEU:HB2	10	0.93
(1,3628)	1:59:B:MET:HB3	1:55:B:PHE:HB3	9	0.93
(1,3627)	1:59:A:MET:HB3	1:55:A:PHE:HB3	9	0.93
(1,3596)	1:11:B:VAL:HG23	1:7:B:LYS:HD3	19	0.93
(1,3595)	1:11:A:VAL:HG23	1:7:A:LYS:HD3	19	0.93
(1,3537)	1:5:A:LEU:HG	1:79:B:LEU:HD13	6	0.93
(1,3534)	1:98:B:PRO:HG2	1:99:B:ARG:HB2	11	0.93
(1,3522)	1:38:B:LEU:HD22	1:39:B:THR:H	5	0.93
(1,3522)	1:38:B:LEU:HD21	1:39:B:THR:H	7	0.93
(1,3521)	1:38:A:LEU:HD21	1:39:A:THR:H	7	0.93
(1,3498)	1:79:B:LEU:HG	1:80:B:SER:HB2	6	0.93
(1,3498)	1:79:B:LEU:HG	1:80:A:SER:HB3	13	0.93
(1,3497)	1:79:A:LEU:HG	1:80:A:SER:HB2	6	0.93
(1,3497)	1:79:A:LEU:HG	1:80:B:SER:HB3	17	0.93
(1,3490)	1:34:B:LEU:HD22	1:35:B:LYS:H	17	0.93
(1,3489)	1:34:A:LEU:HD22	1:35:A:LYS:H	17	0.93
(1,3484)	1:34:B:LEU:HD23	1:38:B:LEU:H	8	0.93
(1,3483)	1:34:A:LEU:HD23	1:38:A:LEU:H	8	0.93
(1,3392)	1:68:B:ASN:HD21	1:70:B:VAL:HG21	6	0.93
(1,3370)	1:50:B:THR:HG21	1:49:B:ARG:HD2	9	0.93
(1,3369)	1:50:A:THR:HG21	1:49:A:ARG:HD2	9	0.93
(1,3364)	1:39:B:THR:HG22	1:37:B:LEU:HB3	17	0.93
(1,3363)	1:39:A:THR:HG22	1:37:A:LEU:HB3	17	0.93
(1,3344)	1:77:B:VAL:HG13	1:84:A:MET:HG2	11	0.93
(1,3344)	1:77:B:VAL:HG12	1:84:A:MET:HG3	17	0.93
(1,3339)	1:2:A:ALA:HB1	1:11:B:VAL:HG13	2	0.93
(1,3164)	1:21:B:GLY:H	1:37:B:LEU:HD11	1	0.93
(1,3163)	1:21:A:GLY:H	1:37:A:LEU:HD11	1	0.93
(1,3046)	1:41:B:GLU:H	1:29:B:LEU:HD13	11	0.93
(1,3045)	1:41:A:GLU:H	1:29:A:LEU:HD13	11	0.93
(1,2625)	1:9:A:LEU:H	1:82:B:ILE:HD13	6	0.93
(1,2556)	1:27:B:PHE:H	1:21:B:GLY:HA3	4	0.93
(1,2555)	1:27:A:PHE:H	1:21:A:GLY:HA3	4	0.93
(1,2209)	1:30:A:ASN:H	1:33:A:GLU:HB3	1	0.93
(1,2164)	1:70:B:VAL:H	1:29:B:LEU:HB3	4	0.93
(1,1856)	1:19:B:TYR:HA	1:29:B:LEU:HD12	8	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1856)	1:19:B:TYR:HA	1:29:B:LEU:HD13	9	0.93
(1,1855)	1:19:A:TYR:HA	1:29:A:LEU:HD12	8	0.93
(1,1855)	1:19:A:TYR:HA	1:29:A:LEU:HD13	9	0.93
(1,1504)	1:92:B:GLY:HA2	1:90:B:PHE:HB3	7	0.93
(1,1476)	1:42:B:LEU:HB3	1:39:B:THR:H	6	0.93
(1,1472)	1:42:B:LEU:HB3	1:38:B:LEU:H	4	0.93
(1,1471)	1:42:A:LEU:HB3	1:38:A:LEU:H	4	0.93
(1,1212)	1:28:B:LYS:HB3	1:70:B:VAL:HG11	12	0.93
(1,1211)	1:28:A:LYS:HB3	1:70:A:VAL:HG11	12	0.93
(1,1075)	1:31:A:LYS:HD3	1:52:A:GLU:HG2	2	0.93
(1,944)	1:59:B:MET:HG3	1:31:B:LYS:HE3	3	0.93
(1,943)	1:59:A:MET:HG3	1:31:A:LYS:HE3	3	0.93
(1,935)	1:98:A:PRO:HB3	1:101:A:LYS:HG2	8	0.93
(1,776)	1:28:B:LYS:HD2	1:71:B:ASP:HB3	13	0.93
(1,775)	1:28:A:LYS:HD2	1:71:A:ASP:HB3	13	0.93
(1,756)	1:31:B:LYS:HD3	1:56:B:GLN:HE21	18	0.93
(1,755)	1:31:A:LYS:HD3	1:56:A:GLN:HE21	18	0.93
(1,609)	1:37:A:LEU:HD11	1:41:A:GLU:HG2	7	0.93
(1,393)	1:46:A:LEU:HD21	1:61:A:ASN:HD21	14	0.93
(1,64)	1:82:B:ILE:HG23	1:13:A:VAL:HG21	7	0.93
(1,40)	1:82:B:ILE:HD13	1:6:A:GLU:HB2	16	0.93
(1,4584)	1:36:B:GLU:H	1:37:B:LEU:HD21	13	0.92
(1,4583)	1:36:A:GLU:H	1:37:A:LEU:HD21	13	0.92
(1,4562)	1:73:B:GLN:HE22	1:76:B:SER:HB3	19	0.92
(1,4561)	1:73:A:GLN:HE22	1:76:A:SER:HB3	19	0.92
(1,4554)	1:56:B:GLN:HE21	1:34:B:LEU:HD22	18	0.92
(1,4553)	1:56:A:GLN:HE21	1:34:A:LEU:HD22	18	0.92
(1,4524)	1:80:B:SER:H	1:79:B:LEU:HD23	20	0.92
(1,4523)	1:80:A:SER:H	1:79:A:LEU:HD23	20	0.92
(1,4505)	1:32:A:SER:H	1:31:A:LYS:HE3	6	0.92
(1,4503)	1:28:A:LYS:H	1:33:A:GLU:HB3	18	0.92
(1,4482)	1:14:B:SER:H	1:79:B:LEU:HD12	6	0.92
(1,4481)	1:14:A:SER:H	1:79:A:LEU:HD12	6	0.92
(1,4370)	1:95:B:ASP:H	1:27:A:PHE:HB2	20	0.92
(1,4369)	1:95:A:ASP:H	1:27:B:PHE:HB2	6	0.92
(1,4369)	1:95:A:ASP:H	1:27:B:PHE:HB2	20	0.92
(1,4330)	1:58:B:LEU:H	1:58:B:LEU:HD12	13	0.92
(1,4329)	1:58:A:LEU:H	1:58:A:LEU:HD13	3	0.92
(1,4329)	1:58:A:LEU:H	1:58:A:LEU:HD13	6	0.92
(1,4264)	1:33:B:GLU:H	1:34:B:LEU:HD13	10	0.92
(1,4263)	1:33:A:GLU:H	1:34:A:LEU:HD13	10	0.92
(1,4257)	1:30:A:ASN:H	1:28:A:LYS:HD2	13	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4193)	1:77:A:VAL:HA	1:83:B:ALA:HB1	20	0.92
(1,4177)	1:60:A:SER:HB3	1:58:A:LEU:HB3	5	0.92
(1,4030)	1:49:B:ARG:HA	1:46:B:LEU:HD11	14	0.92
(1,3914)	1:40:B:ARG:HD2	1:37:B:LEU:HD23	1	0.92
(1,3913)	1:40:A:ARG:HD2	1:37:A:LEU:HD23	1	0.92
(1,3895)	1:38:A:LEU:HB2	1:36:A:GLU:HG3	12	0.92
(1,3880)	1:51:B:ASP:HB3	1:56:B:GLN:HB2	12	0.92
(1,3879)	1:51:A:ASP:HB3	1:56:A:GLN:HB2	12	0.92
(1,3853)	1:32:A:SER:H	1:31:A:LYS:HE3	6	0.92
(1,3732)	1:69:B:GLU:HB3	1:29:B:LEU:HD11	17	0.92
(1,3731)	1:69:A:GLU:HB3	1:29:A:LEU:HD11	17	0.92
(1,3633)	1:43:A:PRO:HB3	1:7:B:LYS:HG3	14	0.92
(1,3620)	1:17:B:HIS:HB2	1:13:B:VAL:HG12	4	0.92
(1,3619)	1:17:A:HIS:HB2	1:13:A:VAL:HG12	4	0.92
(1,3558)	1:40:B:ARG:HG2	1:36:B:GLU:HG2	7	0.92
(1,3546)	1:29:B:LEU:HD22	1:22:B:LYS:HE3	11	0.92
(1,3545)	1:29:A:LEU:HD22	1:22:A:LYS:HE3	11	0.92
(1,3528)	1:5:B:LEU:HG	1:10:A:ASP:H	12	0.92
(1,3527)	1:5:A:LEU:HG	1:10:B:ASP:H	12	0.92
(1,3521)	1:38:A:LEU:HD21	1:39:A:THR:H	4	0.92
(1,3521)	1:38:A:LEU:HD22	1:39:A:THR:H	5	0.92
(1,3498)	1:79:B:LEU:HG	1:80:A:SER:HB3	17	0.92
(1,3497)	1:79:A:LEU:HG	1:80:B:SER:HB3	20	0.92
(1,3484)	1:34:B:LEU:HD22	1:38:B:LEU:H	1	0.92
(1,3483)	1:34:A:LEU:HD22	1:38:A:LEU:H	1	0.92
(1,3442)	1:58:B:LEU:HD11	1:38:B:LEU:HB3	16	0.92
(1,3441)	1:58:A:LEU:HD11	1:38:A:LEU:HB3	16	0.92
(1,3440)	1:58:B:LEU:HD11	1:38:B:LEU:HB3	16	0.92
(1,3439)	1:58:A:LEU:HD11	1:38:A:LEU:HB3	16	0.92
(1,3370)	1:70:B:VAL:HG11	1:28:B:LYS:HE2	1	0.92
(1,3369)	1:70:A:VAL:HG11	1:28:A:LYS:HE2	1	0.92
(1,3340)	1:2:B:ALA:HB1	1:11:A:VAL:HG13	2	0.92
(1,3304)	1:9:B:LEU:HD11	1:15:A:THR:HB	7	0.92
(1,3164)	1:21:B:GLY:H	1:37:B:LEU:HD13	9	0.92
(1,3163)	1:21:A:GLY:H	1:37:A:LEU:HD13	9	0.92
(1,2626)	1:9:B:LEU:H	1:82:A:ILE:HD11	9	0.92
(1,2626)	1:9:B:LEU:H	1:82:A:ILE:HD11	11	0.92
(1,2210)	1:30:B:ASN:H	1:33:B:GLU:HB3	1	0.92
(1,2163)	1:70:A:VAL:H	1:29:A:LEU:HB3	4	0.92
(1,2040)	1:43:B:PRO:HA	1:46:B:LEU:HD12	14	0.92
(1,2039)	1:43:A:PRO:HA	1:46:A:LEU:HD12	14	0.92
(1,1503)	1:92:A:GLY:HA2	1:90:A:PHE:HB3	7	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1475)	1:42:A:LEU:HB3	1:39:A:THR:H	6	0.92
(1,952)	1:79:B:LEU:HD11	1:12:B:MET:HB3	6	0.92
(1,951)	1:79:A:LEU:HD11	1:12:A:MET:HB3	6	0.92
(1,794)	1:17:B:HIS:HB3	1:16:B:PHE:HA	8	0.92
(1,793)	1:17:A:HIS:HB3	1:16:A:PHE:HA	8	0.92
(1,706)	1:88:B:GLU:HB2	1:96:B:LYS:HG2	14	0.92
(1,622)	1:29:B:LEU:HD21	1:70:B:VAL:HG11	15	0.92
(1,621)	1:29:A:LEU:HD21	1:70:A:VAL:HG11	15	0.92
(1,394)	1:46:B:LEU:HD21	1:61:B:ASN:HD21	14	0.92
(1,64)	1:82:B:ILE:HG22	1:13:A:VAL:HG22	5	0.92
(1,64)	1:82:B:ILE:HG21	1:13:A:VAL:HG21	10	0.92
(1,63)	1:82:A:ILE:HG22	1:13:B:VAL:HG22	5	0.92
(1,63)	1:82:A:ILE:HG21	1:13:B:VAL:HG21	10	0.92
(1,9)	1:5:A:LEU:HD13	1:15:B:THR:HB	7	0.92
(2,46)	1:59:B:MET:HG3	1:66:B:ARG:HD2	1	0.91
(1,4562)	1:73:B:GLN:HE22	1:76:B:SER:HB2	2	0.91
(1,4561)	1:73:A:GLN:HE22	1:76:A:SER:HB2	2	0.91
(1,4544)	1:97:B:GLN:HE21	1:98:B:PRO:HD3	19	0.91
(1,4543)	1:97:A:GLN:HE21	1:98:A:PRO:HD3	19	0.91
(1,4524)	1:80:B:SER:H	1:79:B:LEU:HD21	13	0.91
(1,4523)	1:80:A:SER:H	1:79:A:LEU:HD21	13	0.91
(1,4506)	1:32:B:SER:H	1:31:B:LYS:HE3	6	0.91
(1,4506)	1:32:B:SER:H	1:31:B:LYS:HE2	20	0.91
(1,4505)	1:32:A:SER:H	1:31:A:LYS:HE2	20	0.91
(1,4464)	1:31:B:LYS:H	1:34:B:LEU:HD22	4	0.91
(1,4463)	1:31:A:LYS:H	1:34:A:LEU:HD22	4	0.91
(1,4448)	1:69:B:GLU:H	1:28:B:LYS:HA	3	0.91
(1,4448)	1:69:B:GLU:H	1:28:B:LYS:HA	9	0.91
(1,4447)	1:69:A:GLU:H	1:28:A:LYS:HA	3	0.91
(1,4447)	1:69:A:GLU:H	1:28:A:LYS:HA	9	0.91
(1,4370)	1:95:B:ASP:H	1:27:A:PHE:HB2	6	0.91
(1,4349)	1:16:A:PHE:H	1:79:A:LEU:HD13	10	0.91
(1,4330)	1:58:B:LEU:H	1:58:B:LEU:HD13	6	0.91
(1,4328)	1:58:B:LEU:H	1:56:B:GLN:HB3	4	0.91
(1,4258)	1:30:B:ASN:H	1:28:B:LYS:HD2	13	0.91
(1,4178)	1:60:B:SER:HB3	1:58:B:LEU:HB3	5	0.91
(1,4114)	1:75:B:TYR:HA	1:70:B:VAL:HG21	3	0.91
(1,4114)	1:75:B:TYR:HA	1:70:B:VAL:HG23	16	0.91
(1,4113)	1:75:A:TYR:HA	1:70:A:VAL:HG21	3	0.91
(1,4113)	1:75:A:TYR:HA	1:70:A:VAL:HG23	16	0.91
(1,4064)	1:37:B:LEU:HD12	1:17:B:HIS:HA	19	0.91
(1,4063)	1:37:A:LEU:HD12	1:17:A:HIS:HA	19	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4030)	1:49:B:ARG:HA	1:46:B:LEU:HD11	12	0.91
(1,4029)	1:49:A:ARG:HA	1:46:A:LEU:HD11	12	0.91
(1,4029)	1:49:A:ARG:HA	1:46:A:LEU:HD11	14	0.91
(1,4016)	1:41:B:GLU:HA	1:42:B:LEU:HD22	3	0.91
(1,4015)	1:41:A:GLU:HA	1:42:A:LEU:HD22	3	0.91
(1,3896)	1:43:B:PRO:HB3	1:46:B:LEU:HB2	9	0.91
(1,3895)	1:43:A:PRO:HB3	1:46:A:LEU:HB2	9	0.91
(1,3880)	1:51:B:ASP:HB3	1:56:B:GLN:HB3	3	0.91
(1,3880)	1:51:B:ASP:HB3	1:56:B:GLN:HB3	6	0.91
(1,3879)	1:51:A:ASP:HB3	1:56:A:GLN:HB3	6	0.91
(1,3879)	1:51:A:ASP:HB3	1:56:A:GLN:HB3	9	0.91
(1,3870)	1:51:B:ASP:HB3	1:49:B:ARG:HD2	9	0.91
(1,3854)	1:32:B:SER:H	1:31:B:LYS:HE3	6	0.91
(1,3854)	1:32:B:SER:H	1:31:B:LYS:HE2	20	0.91
(1,3853)	1:32:A:SER:H	1:31:A:LYS:HE2	20	0.91
(1,3820)	1:79:B:LEU:HB2	1:79:A:LEU:HB2	16	0.91
(1,3820)	1:79:B:LEU:HB2	1:79:A:LEU:HB2	18	0.91
(1,3819)	1:79:A:LEU:HB2	1:79:B:LEU:HB2	16	0.91
(1,3819)	1:79:A:LEU:HB2	1:79:B:LEU:HB2	18	0.91
(1,3771)	1:85:A:MET:HG2	1:89:A:PHE:HB2	15	0.91
(1,3738)	1:33:B:GLU:HG3	1:29:B:LEU:HD11	18	0.91
(1,3737)	1:33:A:GLU:HG3	1:29:A:LEU:HD11	18	0.91
(1,3674)	1:59:B:MET:HG3	1:31:B:LYS:HB3	3	0.91
(1,3673)	1:59:A:MET:HG3	1:31:A:LYS:HB3	3	0.91
(1,3620)	1:17:B:HIS:HB2	1:13:B:VAL:HG13	6	0.91
(1,3619)	1:17:A:HIS:HB2	1:13:A:VAL:HG13	6	0.91
(1,3598)	1:7:B:LYS:HD3	1:9:B:LEU:HD12	13	0.91
(1,3596)	1:11:B:VAL:HG21	1:7:B:LYS:HD2	13	0.91
(1,3595)	1:11:A:VAL:HG21	1:7:A:LYS:HD2	13	0.91
(1,3588)	1:97:B:GLN:HB3	1:101:B:LYS:HD3	15	0.91
(1,3587)	1:97:A:GLN:HB3	1:101:A:LYS:HD3	15	0.91
(1,3557)	1:40:A:ARG:HG2	1:36:A:GLU:HG2	5	0.91
(1,3544)	1:29:B:LEU:HD23	1:69:B:GLU:HA	12	0.91
(1,3543)	1:29:A:LEU:HD23	1:69:A:GLU:HA	12	0.91
(1,3538)	1:5:B:LEU:HG	1:79:A:LEU:HD13	6	0.91
(1,3528)	1:5:B:LEU:HG	1:10:B:ASP:H	8	0.91
(1,3527)	1:5:A:LEU:HG	1:10:A:ASP:H	8	0.91
(1,3522)	1:38:B:LEU:HD21	1:39:B:THR:H	4	0.91
(1,3498)	1:79:B:LEU:HG	1:80:A:SER:HB3	20	0.91
(1,3489)	1:34:A:LEU:HD21	1:35:A:LYS:H	16	0.91
(1,3392)	1:68:B:ASN:HD21	1:70:B:VAL:HG23	20	0.91
(1,3364)	1:39:B:THR:HG22	1:37:B:LEU:HB3	10	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3364)	1:39:B:THR:HG22	1:37:B:LEU:HB3	20	0.91
(1,3363)	1:39:A:THR:HG22	1:37:A:LEU:HB3	10	0.91
(1,3363)	1:39:A:THR:HG22	1:37:A:LEU:HB3	20	0.91
(1,3343)	1:77:A:VAL:HG12	1:84:B:MET:HG3	17	0.91
(1,3334)	1:83:B:ALA:HB3	1:79:A:LEU:HD11	5	0.91
(1,3333)	1:83:A:ALA:HB3	1:79:B:LEU:HD11	5	0.91
(1,3303)	1:9:A:LEU:HD11	1:15:B:THR:HB	7	0.91
(1,3122)	1:73:B:GLN:HE22	1:73:B:GLN:HA	9	0.91
(1,3121)	1:73:A:GLN:HE22	1:73:A:GLN:HA	9	0.91
(1,2786)	1:89:B:PHE:H	1:13:A:VAL:HG13	3	0.91
(1,2720)	1:61:B:ASN:H	1:66:B:ARG:HD2	5	0.91
(1,2720)	1:61:B:ASN:H	1:66:B:ARG:HD2	20	0.91
(1,2719)	1:61:A:ASN:H	1:66:A:ARG:HD2	5	0.91
(1,2719)	1:61:A:ASN:H	1:66:A:ARG:HD2	20	0.91
(1,2626)	1:9:B:LEU:H	1:82:A:ILE:HD13	6	0.91
(1,2625)	1:9:A:LEU:H	1:82:B:ILE:HD12	3	0.91
(1,2625)	1:9:A:LEU:H	1:82:B:ILE:HD11	9	0.91
(1,2625)	1:9:A:LEU:H	1:82:B:ILE:HD12	14	0.91
(1,2564)	1:27:B:PHE:H	1:28:B:LYS:HG2	18	0.91
(1,2556)	1:27:B:PHE:H	1:21:B:GLY:HA3	3	0.91
(1,2555)	1:27:A:PHE:H	1:21:A:GLY:HA3	3	0.91
(1,1856)	1:19:B:TYR:HA	1:29:B:LEU:HD12	1	0.91
(1,1856)	1:19:B:TYR:HA	1:29:B:LEU:HD11	14	0.91
(1,1856)	1:19:B:TYR:HA	1:29:B:LEU:HD13	16	0.91
(1,1855)	1:19:A:TYR:HA	1:29:A:LEU:HD12	1	0.91
(1,1698)	1:9:B:LEU:HB3	1:10:B:ASP:HA	7	0.91
(1,1697)	1:9:A:LEU:HB3	1:10:A:ASP:HA	7	0.91
(1,1610)	1:25:B:ASP:HB2	1:28:B:LYS:HA	17	0.91
(1,1504)	1:92:B:GLY:HA2	1:90:B:PHE:HB3	14	0.91
(1,1503)	1:92:A:GLY:HA2	1:90:A:PHE:HB3	14	0.91
(1,1212)	1:28:B:LYS:HB3	1:70:B:VAL:HG12	17	0.91
(1,1211)	1:28:A:LYS:HB3	1:70:A:VAL:HG12	17	0.91
(1,1076)	1:31:B:LYS:HD3	1:52:B:GLU:HG2	4	0.91
(1,1076)	1:31:B:LYS:HD2	1:52:B:GLU:HG3	15	0.91
(1,1070)	1:88:B:GLU:HG3	1:96:B:LYS:HE3	18	0.91
(1,1069)	1:88:A:GLU:HG3	1:96:A:LYS:HE3	18	0.91
(1,1026)	1:41:B:GLU:HG3	1:40:B:ARG:HA	18	0.91
(1,1025)	1:41:A:GLU:HG3	1:40:A:ARG:HA	18	0.91
(1,908)	1:94:B:PRO:HB3	1:99:B:ARG:HG3	11	0.91
(1,706)	1:88:B:GLU:HB2	1:96:B:LYS:HG2	9	0.91
(1,705)	1:88:A:GLU:HB2	1:96:A:LYS:HG2	9	0.91
(1,705)	1:88:A:GLU:HB2	1:96:A:LYS:HG2	14	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,64)	1:82:B:ILE:HG21	1:13:A:VAL:HG21	1	0.91
(1,63)	1:82:A:ILE:HG21	1:13:B:VAL:HG21	1	0.91
(1,10)	1:5:B:LEU:HD13	1:15:A:THR:HB	7	0.91
(2,45)	1:59:A:MET:HG3	1:66:A:ARG:HD2	1	0.9
(1,4564)	1:73:B:GLN:HE22	1:96:A:LYS:HD3	20	0.9
(1,4562)	1:73:B:GLN:HE22	1:76:B:SER:HB2	4	0.9
(1,4561)	1:73:A:GLN:HE22	1:76:A:SER:HB2	4	0.9
(1,4506)	1:32:B:SER:H	1:31:B:LYS:HE3	17	0.9
(1,4505)	1:32:A:SER:H	1:31:A:LYS:HE3	17	0.9
(1,4504)	1:28:B:LYS:H	1:33:B:GLU:HB3	16	0.9
(1,4482)	1:14:B:SER:H	1:79:B:LEU:HD13	11	0.9
(1,4481)	1:14:A:SER:H	1:79:A:LEU:HD13	11	0.9
(1,4477)	1:85:A:MET:H	1:82:A:ILE:HG13	12	0.9
(1,4462)	1:31:B:LYS:H	1:33:B:GLU:HG2	3	0.9
(1,4461)	1:31:A:LYS:H	1:33:A:GLU:HG2	3	0.9
(1,4454)	1:69:B:GLU:H	1:31:B:LYS:HG2	9	0.9
(1,4453)	1:69:A:GLU:H	1:31:A:LYS:HG2	9	0.9
(1,4448)	1:69:B:GLU:H	1:28:B:LYS:HA	18	0.9
(1,4447)	1:69:A:GLU:H	1:28:A:LYS:HA	18	0.9
(1,4394)	1:7:B:LYS:H	1:79:A:LEU:HD23	18	0.9
(1,4380)	1:10:B:ASP:H	1:9:B:LEU:HD11	11	0.9
(1,4379)	1:10:A:ASP:H	1:9:A:LEU:HD11	11	0.9
(1,4360)	1:67:B:ASP:H	1:70:B:VAL:HG23	4	0.9
(1,4360)	1:67:B:ASP:H	1:70:B:VAL:HG22	5	0.9
(1,4359)	1:67:A:ASP:H	1:70:A:VAL:HG23	4	0.9
(1,4359)	1:67:A:ASP:H	1:70:A:VAL:HG22	5	0.9
(1,4350)	1:16:B:PHE:H	1:79:B:LEU:HD13	10	0.9
(1,4348)	1:16:B:PHE:H	1:37:B:LEU:HD12	4	0.9
(1,4347)	1:16:A:PHE:H	1:37:A:LEU:HD12	4	0.9
(1,4331)	1:57:A:LYS:H	1:34:A:LEU:HD23	11	0.9
(1,4330)	1:58:B:LEU:H	1:58:B:LEU:HD12	12	0.9
(1,4327)	1:58:A:LEU:H	1:56:A:GLN:HB3	4	0.9
(1,4197)	1:50:A:THR:HB	1:54:A:ALA:H	3	0.9
(1,4180)	1:60:B:SER:HB3	1:58:B:LEU:HD11	7	0.9
(1,4179)	1:60:A:SER:HB3	1:58:A:LEU:HD11	7	0.9
(1,4168)	1:76:B:SER:HB2	1:79:B:LEU:HB3	18	0.9
(1,4167)	1:76:A:SER:HB2	1:79:A:LEU:HB3	18	0.9
(1,4163)	1:14:A:SER:HB3	1:18:A:LYS:HD3	20	0.9
(1,4114)	1:75:B:TYR:HA	1:70:B:VAL:HG21	4	0.9
(1,4113)	1:75:A:TYR:HA	1:70:A:VAL:HG21	4	0.9
(1,3950)	1:21:B:GLY:HA3	1:22:B:LYS:HD3	5	0.9
(1,3949)	1:21:A:GLY:HA3	1:22:A:LYS:HD3	5	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3944)	1:42:B:LEU:HB3	1:79:B:LEU:HD23	4	0.9
(1,3943)	1:42:A:LEU:HB3	1:79:A:LEU:HD23	4	0.9
(1,3896)	1:43:B:PRO:HB3	1:46:B:LEU:HB2	5	0.9
(1,3895)	1:43:A:PRO:HB3	1:46:A:LEU:HB2	5	0.9
(1,3895)	1:43:A:PRO:HB3	1:46:A:LEU:HB2	8	0.9
(1,3879)	1:51:A:ASP:HB3	1:56:A:GLN:HB3	3	0.9
(1,3869)	1:51:A:ASP:HB3	1:49:A:ARG:HD2	9	0.9
(1,3854)	1:32:B:SER:H	1:31:B:LYS:HE3	17	0.9
(1,3853)	1:32:A:SER:H	1:31:A:LYS:HE3	17	0.9
(1,3772)	1:85:B:MET:HG2	1:89:B:PHE:HB2	15	0.9
(1,3766)	1:87:B:ASN:HB3	1:89:B:PHE:HB3	18	0.9
(1,3765)	1:87:A:ASN:HB3	1:89:A:PHE:HB3	18	0.9
(1,3732)	1:69:B:GLU:HB3	1:29:B:LEU:HD11	1	0.9
(1,3731)	1:69:A:GLU:HB3	1:29:A:LEU:HD11	1	0.9
(1,3634)	1:43:B:PRO:HB3	1:7:A:LYS:HG3	14	0.9
(1,3597)	1:7:A:LYS:HD3	1:9:A:LEU:HD12	13	0.9
(1,3558)	1:40:B:ARG:HG2	1:36:B:GLU:HG2	5	0.9
(1,3550)	1:37:B:LEU:HD12	1:18:B:LYS:HB3	1	0.9
(1,3549)	1:37:A:LEU:HD12	1:18:A:LYS:HB3	1	0.9
(1,3528)	1:5:B:LEU:HG	1:10:B:ASP:H	10	0.9
(1,3528)	1:5:B:LEU:HG	1:10:B:ASP:H	11	0.9
(1,3527)	1:5:A:LEU:HG	1:10:A:ASP:H	10	0.9
(1,3527)	1:5:A:LEU:HG	1:10:A:ASP:H	11	0.9
(1,3490)	1:34:B:LEU:HD21	1:35:B:LYS:H	16	0.9
(1,3449)	1:18:A:LYS:HG2	1:22:A:LYS:HB3	10	0.9
(1,3391)	1:68:A:ASN:HD21	1:70:A:VAL:HG23	20	0.9
(1,3356)	1:77:B:VAL:HG12	1:74:B:GLU:HG3	14	0.9
(1,3355)	1:77:A:VAL:HG12	1:74:A:GLU:HG3	14	0.9
(1,3318)	1:82:B:ILE:HG22	1:45:B:PHE:HA	11	0.9
(1,3317)	1:82:A:ILE:HG22	1:45:A:PHE:HA	11	0.9
(1,3164)	1:21:B:GLY:H	1:37:B:LEU:HD12	16	0.9
(1,3124)	1:73:B:GLN:HE22	1:78:B:PHE:HB2	7	0.9
(1,3123)	1:73:A:GLN:HE22	1:78:A:PHE:HB2	7	0.9
(1,2785)	1:89:A:PHE:H	1:13:B:VAL:HG13	3	0.9
(1,2626)	1:9:B:LEU:H	1:82:A:ILE:HD12	3	0.9
(1,2626)	1:9:B:LEU:H	1:82:A:ILE:HD12	14	0.9
(1,2625)	1:9:A:LEU:H	1:82:B:ILE:HD11	11	0.9
(1,2564)	1:27:B:PHE:H	1:28:B:LYS:HG2	14	0.9
(1,2563)	1:27:A:PHE:H	1:28:A:LYS:HG2	18	0.9
(1,2556)	1:27:B:PHE:H	1:21:B:GLY:HA3	20	0.9
(1,2555)	1:27:A:PHE:H	1:21:A:GLY:HA3	20	0.9
(1,1856)	1:19:B:TYR:HA	1:29:B:LEU:HD13	2	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1855)	1:19:A:TYR:HA	1:29:A:LEU:HD13	2	0.9
(1,1855)	1:19:A:TYR:HA	1:29:A:LEU:HD11	14	0.9
(1,1855)	1:19:A:TYR:HA	1:29:A:LEU:HD13	16	0.9
(1,1609)	1:25:A:ASP:HB2	1:28:A:LYS:HA	17	0.9
(1,1524)	1:47:B:GLY:HA3	1:48:B:LYS:HB3	4	0.9
(1,1523)	1:47:A:GLY:HA3	1:48:A:LYS:HB3	4	0.9
(1,1506)	1:92:B:GLY:HA3	1:91:B:GLU:HG3	10	0.9
(1,1505)	1:92:A:GLY:HA3	1:91:A:GLU:HG3	10	0.9
(1,1075)	1:31:A:LYS:HD3	1:52:A:GLU:HG2	4	0.9
(1,1075)	1:31:A:LYS:HD2	1:52:A:GLU:HG3	15	0.9
(1,1059)	1:88:A:GLU:HG2	1:84:A:MET:HA	7	0.9
(1,1026)	1:41:B:GLU:HG3	1:40:B:ARG:HA	9	0.9
(1,1025)	1:41:A:GLU:HG3	1:40:A:ARG:HA	9	0.9
(1,907)	1:94:A:PRO:HB3	1:99:A:ARG:HG3	11	0.9
(1,840)	1:59:B:MET:HB3	1:62:B:LEU:HD12	11	0.9
(1,839)	1:59:A:MET:HB3	1:62:A:LEU:HD12	11	0.9
(1,794)	1:17:B:HIS:HB3	1:16:B:PHE:HA	7	0.9
(1,794)	1:17:B:HIS:HB3	1:16:B:PHE:HA	15	0.9
(1,793)	1:17:A:HIS:HB3	1:16:A:PHE:HA	7	0.9
(1,793)	1:17:A:HIS:HB3	1:16:A:PHE:HA	9	0.9
(1,793)	1:17:A:HIS:HB3	1:16:A:PHE:HA	15	0.9
(1,520)	1:42:B:LEU:HG	1:82:B:ILE:HD13	8	0.9
(1,519)	1:42:A:LEU:HG	1:82:A:ILE:HD13	8	0.9
(1,434)	1:5:B:LEU:HD23	1:6:B:GLU:HG3	5	0.9
(1,433)	1:5:A:LEU:HD23	1:6:A:GLU:HG3	5	0.9
(1,416)	1:46:B:LEU:HD23	1:62:B:LEU:HD12	6	0.9
(1,394)	1:46:B:LEU:HD22	1:61:B:ASN:HD21	18	0.9
(1,393)	1:46:A:LEU:HD22	1:61:A:ASN:HD21	18	0.9
(1,115)	1:2:A:ALA:HB1	1:7:A:LYS:HE3	18	0.9
(1,106)	1:83:B:ALA:HB2	1:82:B:ILE:HD12	5	0.9
(1,105)	1:83:A:ALA:HB2	1:82:A:ILE:HD12	5	0.9
(1,64)	1:82:B:ILE:HG21	1:13:A:VAL:HG23	15	0.9
(1,63)	1:82:A:ILE:HG21	1:13:B:VAL:HG22	18	0.9
(2,52)	1:91:B:GLU:HG3	1:87:B:ASN:HD21	16	0.89
(2,51)	1:91:A:GLU:HG3	1:87:A:ASN:HD21	16	0.89
(2,47)	1:23:A:GLU:HB3	1:33:A:GLU:HB2	9	0.89
(2,46)	1:59:B:MET:HG3	1:66:B:ARG:HD2	10	0.89
(2,45)	1:59:A:MET:HG3	1:66:A:ARG:HD2	10	0.89
(1,4619)	1:56:A:GLN:HE22	1:34:A:LEU:HD23	6	0.89
(1,4564)	1:73:B:GLN:HE22	1:96:A:LYS:HD2	12	0.89
(1,4563)	1:73:A:GLN:HE22	1:96:B:LYS:HD2	12	0.89
(1,4563)	1:73:A:GLN:HE22	1:96:B:LYS:HD3	20	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4562)	1:73:B:GLN:HE22	1:76:B:SER:HB2	11	0.89
(1,4561)	1:73:A:GLN:HE22	1:76:A:SER:HB2	11	0.89
(1,4524)	1:80:B:SER:H	1:79:B:LEU:HD22	4	0.89
(1,4524)	1:80:B:SER:H	1:79:B:LEU:HD22	12	0.89
(1,4523)	1:80:A:SER:H	1:79:A:LEU:HD22	4	0.89
(1,4523)	1:80:A:SER:H	1:79:A:LEU:HD22	12	0.89
(1,4506)	1:32:B:SER:H	1:31:B:LYS:HE3	1	0.89
(1,4505)	1:32:A:SER:H	1:31:A:LYS:HE3	1	0.89
(1,4503)	1:28:A:LYS:H	1:33:A:GLU:HB3	16	0.89
(1,4477)	1:85:A:MET:H	1:82:A:ILE:HG13	18	0.89
(1,4434)	1:38:B:LEU:H	1:55:B:PHE:HB3	2	0.89
(1,4434)	1:38:B:LEU:H	1:55:B:PHE:HB3	17	0.89
(1,4433)	1:38:A:LEU:H	1:55:A:PHE:HB3	2	0.89
(1,4433)	1:38:A:LEU:H	1:55:A:PHE:HB3	17	0.89
(1,4400)	1:72:B:PHE:H	1:13:B:VAL:HG11	18	0.89
(1,4399)	1:72:A:PHE:H	1:13:A:VAL:HG11	18	0.89
(1,4380)	1:10:B:ASP:H	1:9:B:LEU:HD23	8	0.89
(1,4380)	1:10:B:ASP:H	1:9:B:LEU:HD23	16	0.89
(1,4379)	1:10:A:ASP:H	1:9:A:LEU:HD23	8	0.89
(1,4379)	1:10:A:ASP:H	1:9:A:LEU:HD23	16	0.89
(1,4370)	1:95:B:ASP:H	1:27:A:PHE:HB2	8	0.89
(1,4360)	1:67:B:ASP:H	1:70:B:VAL:HG23	3	0.89
(1,4340)	1:13:B:VAL:H	1:79:B:LEU:HD12	10	0.89
(1,4339)	1:13:A:VAL:H	1:79:A:LEU:HD12	10	0.89
(1,4332)	1:57:B:LYS:H	1:34:B:LEU:HD21	10	0.89
(1,4332)	1:57:B:LYS:H	1:34:B:LEU:HD23	11	0.89
(1,4331)	1:57:A:LYS:H	1:34:A:LEU:HD21	10	0.89
(1,4329)	1:58:A:LEU:H	1:58:A:LEU:HD12	12	0.89
(1,4198)	1:50:B:THR:HB	1:54:B:ALA:H	3	0.89
(1,4198)	1:50:B:THR:HB	1:54:B:ALA:H	13	0.89
(1,4197)	1:50:A:THR:HB	1:54:A:ALA:H	13	0.89
(1,4194)	1:77:B:VAL:HA	1:62:B:LEU:HB3	17	0.89
(1,4193)	1:77:A:VAL:HA	1:62:A:LEU:HB3	17	0.89
(1,4178)	1:32:B:SER:HB2	1:31:B:LYS:HG3	16	0.89
(1,4164)	1:14:B:SER:HB3	1:18:B:LYS:HD3	20	0.89
(1,4113)	1:75:A:TYR:HA	1:70:A:VAL:HG21	17	0.89
(1,3918)	1:40:B:ARG:HD2	1:39:B:THR:HA	10	0.89
(1,3918)	1:40:B:ARG:HD2	1:39:B:THR:HA	15	0.89
(1,3918)	1:40:B:ARG:HD2	1:39:B:THR:HA	17	0.89
(1,3917)	1:40:A:ARG:HD2	1:39:A:THR:HA	10	0.89
(1,3917)	1:40:A:ARG:HD2	1:39:A:THR:HA	15	0.89
(1,3917)	1:40:A:ARG:HD2	1:39:A:THR:HA	17	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3896)	1:43:B:PRO:HB3	1:46:B:LEU:HB2	7	0.89
(1,3896)	1:43:B:PRO:HB3	1:46:B:LEU:HB2	8	0.89
(1,3895)	1:43:A:PRO:HB3	1:46:A:LEU:HB2	7	0.89
(1,3880)	1:51:B:ASP:HB3	1:56:B:GLN:HB3	9	0.89
(1,3860)	1:31:B:LYS:HE3	1:60:B:SER:HA	4	0.89
(1,3859)	1:31:A:LYS:HE3	1:60:A:SER:HA	4	0.89
(1,3854)	1:32:B:SER:H	1:31:B:LYS:HE3	1	0.89
(1,3853)	1:32:A:SER:H	1:31:A:LYS:HE3	1	0.89
(1,3848)	1:9:B:LEU:HB2	1:79:A:LEU:HD11	14	0.89
(1,3847)	1:9:A:LEU:HB2	1:79:B:LEU:HD11	14	0.89
(1,3766)	1:87:B:ASN:HB3	1:89:B:PHE:HB3	13	0.89
(1,3765)	1:87:A:ASN:HB3	1:89:A:PHE:HB3	13	0.89
(1,3738)	1:33:B:GLU:HG2	1:29:B:LEU:HD13	12	0.89
(1,3737)	1:33:A:GLU:HG2	1:29:A:LEU:HD13	12	0.89
(1,3732)	1:69:B:GLU:HB3	1:29:B:LEU:HD12	10	0.89
(1,3731)	1:69:A:GLU:HB3	1:29:A:LEU:HD12	10	0.89
(1,3705)	1:23:A:GLU:HB3	1:33:A:GLU:HB2	9	0.89
(1,3636)	1:33:B:GLU:HB3	1:34:B:LEU:HB2	15	0.89
(1,3635)	1:33:A:GLU:HB3	1:34:A:LEU:HB2	15	0.89
(1,3620)	1:17:B:HIS:HB2	1:13:B:VAL:HG13	11	0.89
(1,3620)	1:17:B:HIS:HB2	1:13:B:VAL:HG11	17	0.89
(1,3619)	1:17:A:HIS:HB2	1:13:A:VAL:HG13	11	0.89
(1,3596)	1:11:B:VAL:HG21	1:7:B:LYS:HD3	15	0.89
(1,3595)	1:11:A:VAL:HG21	1:7:A:LYS:HD3	15	0.89
(1,3552)	1:94:B:PRO:HG3	1:101:B:LYS:HD2	3	0.89
(1,3551)	1:94:A:PRO:HG3	1:101:A:LYS:HD2	3	0.89
(1,3549)	1:37:A:LEU:HD13	1:18:A:LYS:HB3	12	0.89
(1,3542)	1:37:B:LEU:HD13	1:17:B:HIS:HA	9	0.89
(1,3541)	1:37:A:LEU:HD13	1:17:A:HIS:HA	9	0.89
(1,3528)	1:5:B:LEU:HG	1:10:A:ASP:H	16	0.89
(1,3528)	1:5:B:LEU:HG	1:10:B:ASP:H	20	0.89
(1,3522)	1:38:B:LEU:HD21	1:39:B:THR:H	3	0.89
(1,3522)	1:38:B:LEU:HD21	1:35:B:LYS:H	13	0.89
(1,3521)	1:38:A:LEU:HD21	1:39:A:THR:H	3	0.89
(1,3450)	1:18:B:LYS:HG2	1:22:B:LYS:HB3	10	0.89
(1,3404)	1:77:B:VAL:HG23	1:62:B:LEU:HB3	15	0.89
(1,3403)	1:77:A:VAL:HG23	1:62:A:LEU:HB3	15	0.89
(1,3364)	1:39:B:THR:HG22	1:37:B:LEU:HB3	5	0.89
(1,3163)	1:21:A:GLY:H	1:37:A:LEU:HD12	16	0.89
(1,3047)	1:97:A:GLN:HE22	1:96:A:LYS:H	17	0.89
(1,2786)	1:89:B:PHE:H	1:13:A:VAL:HG12	9	0.89
(1,2720)	1:61:B:ASN:H	1:66:B:ARG:HD2	10	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2719)	1:61:A:ASN:H	1:66:A:ARG:HD2	2	0.89
(1,2719)	1:61:A:ASN:H	1:66:A:ARG:HD2	10	0.89
(1,2625)	1:9:A:LEU:H	1:82:B:ILE:HD12	7	0.89
(1,2563)	1:27:A:PHE:H	1:28:A:LYS:HG2	13	0.89
(1,2563)	1:27:A:PHE:H	1:28:A:LYS:HG2	14	0.89
(1,2510)	1:42:B:LEU:H	1:82:B:ILE:HD11	14	0.89
(1,2509)	1:42:A:LEU:H	1:82:A:ILE:HD11	14	0.89
(1,2092)	1:26:B:LYS:H	1:21:B:GLY:HA3	17	0.89
(1,2091)	1:26:A:LYS:H	1:21:A:GLY:HA3	17	0.89
(1,2040)	1:43:B:PRO:HA	1:46:B:LEU:HD12	12	0.89
(1,1995)	1:32:A:SER:HB2	1:33:A:GLU:HG2	11	0.89
(1,1856)	1:19:B:TYR:HA	1:29:B:LEU:HD13	18	0.89
(1,1855)	1:19:A:TYR:HA	1:29:A:LEU:HD13	18	0.89
(1,1211)	1:28:A:LYS:HB3	1:70:A:VAL:HG13	18	0.89
(1,1203)	1:87:A:ASN:HB3	1:73:B:GLN:HG3	6	0.89
(1,1060)	1:88:B:GLU:HG2	1:84:B:MET:HA	7	0.89
(1,1026)	1:41:B:GLU:HG3	1:40:B:ARG:HA	4	0.89
(1,794)	1:17:B:HIS:HB3	1:16:B:PHE:HA	9	0.89
(1,744)	1:39:B:THR:HG23	1:35:B:LYS:HD3	14	0.89
(1,743)	1:39:A:THR:HG23	1:35:A:LYS:HD3	14	0.89
(1,652)	1:39:B:THR:HG22	1:40:B:ARG:HG2	1	0.89
(1,651)	1:39:A:THR:HG22	1:40:A:ARG:HG2	1	0.89
(1,506)	1:42:B:LEU:HD11	1:45:B:PHE:HB3	19	0.89
(1,505)	1:42:A:LEU:HD11	1:45:A:PHE:HB3	19	0.89
(1,460)	1:46:B:LEU:HD21	1:82:B:ILE:HD13	11	0.89
(1,459)	1:46:A:LEU:HD21	1:82:A:ILE:HD13	11	0.89
(1,415)	1:46:A:LEU:HD23	1:62:A:LEU:HD12	6	0.89
(1,412)	1:39:B:THR:HG23	1:46:B:LEU:HD23	8	0.89
(1,411)	1:39:A:THR:HG23	1:46:A:LEU:HD23	8	0.89
(1,116)	1:2:B:ALA:HB1	1:7:B:LYS:HE3	18	0.89
(1,116)	1:2:B:ALA:HB2	1:7:B:LYS:HE2	20	0.89
(1,115)	1:2:A:ALA:HB2	1:7:A:LYS:HE2	20	0.89
(1,64)	1:82:B:ILE:HG21	1:13:A:VAL:HG22	18	0.89
(1,63)	1:82:A:ILE:HG21	1:13:B:VAL:HG23	15	0.89
(1,63)	1:82:A:ILE:HG23	1:13:B:VAL:HG21	17	0.89
(2,288)	1:50:B:THR:H	1:48:B:LYS:HB2	12	0.88
(2,287)	1:50:A:THR:H	1:48:A:LYS:HB2	12	0.88
(2,285)	1:65:A:ASN:HD21	1:68:A:ASN:HD21	9	0.88
(2,90)	1:61:B:ASN:HA	1:66:B:ARG:HD2	2	0.88
(2,90)	1:61:B:ASN:HA	1:66:B:ARG:HD2	11	0.88
(2,89)	1:61:A:ASN:HA	1:66:A:ARG:HD2	2	0.88
(2,48)	1:23:B:GLU:HB3	1:33:B:GLU:HB2	9	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4620)	1:56:B:GLN:HE22	1:34:B:LEU:HD23	6	0.88
(1,4562)	1:73:B:GLN:HE22	1:76:B:SER:HB2	6	0.88
(1,4561)	1:73:A:GLN:HE22	1:76:A:SER:HB2	6	0.88
(1,4561)	1:73:A:GLN:HE22	1:76:A:SER:HB3	17	0.88
(1,4554)	1:56:B:GLN:HE21	1:34:B:LEU:HD23	5	0.88
(1,4554)	1:56:B:GLN:HE21	1:34:B:LEU:HD22	6	0.88
(1,4553)	1:56:A:GLN:HE21	1:34:A:LEU:HD22	6	0.88
(1,4544)	1:97:B:GLN:HE21	1:98:B:PRO:HD3	8	0.88
(1,4543)	1:97:A:GLN:HE21	1:98:A:PRO:HD3	8	0.88
(1,4478)	1:85:B:MET:H	1:82:B:ILE:HG13	12	0.88
(1,4478)	1:85:B:MET:H	1:82:B:ILE:HG13	18	0.88
(1,4448)	1:69:B:GLU:H	1:28:B:LYS:HA	6	0.88
(1,4447)	1:69:A:GLU:H	1:28:A:LYS:HA	6	0.88
(1,4393)	1:7:A:LYS:H	1:79:B:LEU:HD23	18	0.88
(1,4391)	1:7:A:LYS:H	1:9:A:LEU:HD22	19	0.88
(1,4382)	1:10:B:ASP:H	1:79:A:LEU:HD22	2	0.88
(1,4381)	1:10:A:ASP:H	1:79:B:LEU:HD22	2	0.88
(1,4380)	1:10:B:ASP:H	1:9:B:LEU:HD23	5	0.88
(1,4380)	1:10:B:ASP:H	1:9:B:LEU:HD21	6	0.88
(1,4380)	1:10:B:ASP:H	1:9:B:LEU:HD22	9	0.88
(1,4379)	1:10:A:ASP:H	1:9:A:LEU:HD23	5	0.88
(1,4379)	1:10:A:ASP:H	1:9:A:LEU:HD22	9	0.88
(1,4369)	1:95:A:ASP:H	1:27:B:PHE:HB2	8	0.88
(1,4366)	1:9:B:LEU:H	1:79:A:LEU:HD13	5	0.88
(1,4366)	1:9:B:LEU:H	1:79:A:LEU:HD11	14	0.88
(1,4365)	1:9:A:LEU:H	1:79:B:LEU:HD13	5	0.88
(1,4365)	1:9:A:LEU:H	1:79:B:LEU:HD11	14	0.88
(1,4359)	1:67:A:ASP:H	1:70:A:VAL:HG23	3	0.88
(1,4340)	1:13:B:VAL:H	1:79:B:LEU:HD12	17	0.88
(1,4339)	1:13:A:VAL:H	1:79:A:LEU:HD12	17	0.88
(1,4332)	1:57:B:LYS:H	1:34:B:LEU:HD23	5	0.88
(1,4332)	1:57:B:LYS:H	1:58:B:LEU:HD12	16	0.88
(1,4331)	1:57:A:LYS:H	1:58:A:LEU:HD13	5	0.88
(1,4331)	1:57:A:LYS:H	1:58:A:LEU:HD12	16	0.88
(1,4177)	1:32:A:SER:HB2	1:31:A:LYS:HG3	16	0.88
(1,4114)	1:75:B:TYR:HA	1:70:B:VAL:HG21	17	0.88
(1,4076)	1:37:B:LEU:HD21	1:40:B:ARG:HA	14	0.88
(1,4075)	1:37:A:LEU:HD21	1:40:A:ARG:HA	14	0.88
(1,3918)	1:40:B:ARG:HD2	1:39:B:THR:HA	9	0.88
(1,3918)	1:40:B:ARG:HD3	1:39:B:THR:HA	19	0.88
(1,3917)	1:40:A:ARG:HD2	1:39:A:THR:HA	9	0.88
(1,3917)	1:40:A:ARG:HD3	1:39:A:THR:HA	19	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3910)	1:62:B:LEU:HB2	1:75:B:TYR:HB2	14	0.88
(1,3909)	1:62:A:LEU:HB2	1:75:A:TYR:HB2	14	0.88
(1,3896)	1:38:B:LEU:HB2	1:36:B:GLU:HG3	13	0.88
(1,3895)	1:38:A:LEU:HB2	1:36:A:GLU:HG3	13	0.88
(1,3706)	1:23:B:GLU:HB3	1:33:B:GLU:HB2	9	0.88
(1,3676)	1:59:B:MET:HG2	1:31:B:LYS:HB3	2	0.88
(1,3676)	1:59:B:MET:HG2	1:31:B:LYS:HB3	4	0.88
(1,3675)	1:59:A:MET:HG2	1:31:A:LYS:HB3	2	0.88
(1,3675)	1:59:A:MET:HG2	1:31:A:LYS:HB3	4	0.88
(1,3619)	1:17:A:HIS:HB2	1:13:A:VAL:HG11	17	0.88
(1,3604)	1:31:B:LYS:HD3	1:35:B:LYS:H	1	0.88
(1,3603)	1:31:A:LYS:HD3	1:35:A:LYS:H	1	0.88
(1,3558)	1:40:B:ARG:HG2	1:36:B:GLU:HG2	16	0.88
(1,3557)	1:40:A:ARG:HG2	1:36:A:GLU:HG2	16	0.88
(1,3550)	1:37:B:LEU:HD13	1:18:B:LYS:HB3	12	0.88
(1,3550)	1:37:B:LEU:HD11	1:18:B:LYS:HB3	15	0.88
(1,3549)	1:37:A:LEU:HD11	1:18:A:LYS:HB3	13	0.88
(1,3549)	1:37:A:LEU:HD11	1:18:A:LYS:HB3	15	0.88
(1,3544)	1:29:B:LEU:HD23	1:69:B:GLU:HA	16	0.88
(1,3543)	1:29:A:LEU:HD23	1:69:A:GLU:HA	16	0.88
(1,3527)	1:5:A:LEU:HG	1:10:B:ASP:H	16	0.88
(1,3527)	1:5:A:LEU:HG	1:10:A:ASP:H	20	0.88
(1,3522)	1:38:B:LEU:HD21	1:39:B:THR:H	15	0.88
(1,3522)	1:38:B:LEU:HD21	1:39:B:THR:H	16	0.88
(1,3521)	1:38:A:LEU:HD21	1:35:A:LYS:H	13	0.88
(1,3521)	1:38:A:LEU:HD21	1:39:A:THR:H	16	0.88
(1,3498)	1:79:B:LEU:HG	1:80:A:SER:HB3	18	0.88
(1,3497)	1:79:A:LEU:HG	1:80:B:SER:HB3	18	0.88
(1,3470)	1:48:B:LYS:HG2	1:46:B:LEU:HD21	11	0.88
(1,3469)	1:48:A:LYS:HG2	1:46:A:LEU:HD21	11	0.88
(1,3442)	1:58:B:LEU:HD13	1:38:B:LEU:HB3	15	0.88
(1,3441)	1:58:A:LEU:HD13	1:38:A:LEU:HB3	15	0.88
(1,3440)	1:58:B:LEU:HD13	1:38:B:LEU:HB3	15	0.88
(1,3439)	1:58:A:LEU:HD13	1:38:A:LEU:HB3	15	0.88
(1,3364)	1:39:B:THR:HG22	1:37:B:LEU:HB3	12	0.88
(1,3363)	1:39:A:THR:HG22	1:37:A:LEU:HB3	5	0.88
(1,3363)	1:39:A:THR:HG22	1:37:A:LEU:HB3	12	0.88
(1,3164)	1:21:B:GLY:H	1:37:B:LEU:HD12	10	0.88
(1,3163)	1:21:A:GLY:H	1:37:A:LEU:HD12	10	0.88
(1,3048)	1:97:B:GLN:HE22	1:96:B:LYS:H	2	0.88
(1,3048)	1:97:B:GLN:HE22	1:96:B:LYS:H	17	0.88
(1,3047)	1:97:A:GLN:HE22	1:96:A:LYS:H	2	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2785)	1:89:A:PHE:H	1:13:B:VAL:HG12	9	0.88
(1,2720)	1:61:B:ASN:H	1:66:B:ARG:HD2	2	0.88
(1,2708)	1:15:B:THR:H	1:16:B:PHE:HB3	11	0.88
(1,2707)	1:15:A:THR:H	1:16:A:PHE:HB3	11	0.88
(1,2626)	1:9:B:LEU:H	1:82:A:ILE:HD11	2	0.88
(1,2626)	1:9:B:LEU:H	1:82:A:ILE:HD12	7	0.88
(1,2626)	1:9:B:LEU:H	1:82:A:ILE:HD13	10	0.88
(1,2625)	1:9:A:LEU:H	1:82:B:ILE:HD11	2	0.88
(1,2625)	1:9:A:LEU:H	1:82:B:ILE:HD12	5	0.88
(1,2625)	1:9:A:LEU:H	1:82:B:ILE:HD13	10	0.88
(1,2625)	1:9:A:LEU:H	1:82:B:ILE:HD13	17	0.88
(1,2564)	1:27:B:PHE:H	1:28:B:LYS:HG2	9	0.88
(1,2564)	1:27:B:PHE:H	1:28:B:LYS:HG2	13	0.88
(1,2563)	1:27:A:PHE:H	1:28:A:LYS:HG2	9	0.88
(1,2134)	1:25:B:ASP:H	1:28:B:LYS:HG2	4	0.88
(1,2133)	1:25:A:ASP:H	1:28:A:LYS:HG2	4	0.88
(1,2091)	1:26:A:LYS:H	1:21:A:GLY:HA3	14	0.88
(1,2040)	1:43:B:PRO:HA	1:46:B:LEU:HD11	1	0.88
(1,2039)	1:43:A:PRO:HA	1:46:A:LEU:HD11	1	0.88
(1,2039)	1:43:A:PRO:HA	1:46:A:LEU:HD12	12	0.88
(1,1996)	1:32:B:SER:HB2	1:33:B:GLU:HG2	11	0.88
(1,1856)	1:19:B:TYR:HA	1:29:B:LEU:HD13	15	0.88
(1,1855)	1:19:A:TYR:HA	1:29:A:LEU:HD13	15	0.88
(1,1698)	1:9:B:LEU:HB3	1:10:B:ASP:HA	1	0.88
(1,1697)	1:9:A:LEU:HB3	1:10:A:ASP:HA	1	0.88
(1,1476)	1:42:B:LEU:HB3	1:39:B:THR:H	13	0.88
(1,1475)	1:42:A:LEU:HB3	1:39:A:THR:H	13	0.88
(1,1368)	1:18:B:LYS:HE2	1:11:B:VAL:HG13	8	0.88
(1,1367)	1:18:A:LYS:HE2	1:11:A:VAL:HG13	8	0.88
(1,1212)	1:28:B:LYS:HB3	1:70:B:VAL:HG12	3	0.88
(1,1212)	1:28:B:LYS:HB3	1:70:B:VAL:HG13	7	0.88
(1,1212)	1:28:B:LYS:HB3	1:70:B:VAL:HG13	18	0.88
(1,1211)	1:28:A:LYS:HB3	1:70:A:VAL:HG13	7	0.88
(1,1204)	1:87:B:ASN:HB3	1:73:A:GLN:HG3	6	0.88
(1,1026)	1:41:B:GLU:HG3	1:40:B:ARG:HA	15	0.88
(1,1026)	1:41:B:GLU:HG3	1:40:B:ARG:HA	16	0.88
(1,1025)	1:41:A:GLU:HG3	1:40:A:ARG:HA	4	0.88
(1,1025)	1:41:A:GLU:HG3	1:40:A:ARG:HA	16	0.88
(1,793)	1:17:A:HIS:HB3	1:16:A:PHE:HA	18	0.88
(1,622)	1:29:B:LEU:HD21	1:70:B:VAL:HG13	20	0.88
(1,621)	1:29:A:LEU:HD21	1:70:A:VAL:HG13	20	0.88
(1,604)	1:40:B:ARG:HG2	1:36:B:GLU:HA	3	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,603)	1:40:A:ARG:HG2	1:36:A:GLU:HA	3	0.88
(1,560)	1:94:B:PRO:HG3	1:101:B:LYS:HE3	8	0.88
(1,559)	1:94:A:PRO:HG3	1:101:A:LYS:HE3	8	0.88
(1,125)	1:77:A:VAL:HG11	1:76:A:SER:H	16	0.88
(1,105)	1:83:A:ALA:HB1	1:82:A:ILE:HD13	17	0.88
(1,63)	1:82:A:ILE:HG21	1:13:B:VAL:HG22	4	0.88
(2,286)	1:65:B:ASN:HD21	1:68:B:ASN:HD21	9	0.87
(2,90)	1:61:B:ASN:HA	1:66:B:ARG:HD2	3	0.87
(2,89)	1:61:A:ASN:HA	1:66:A:ARG:HD2	11	0.87
(1,4619)	1:56:A:GLN:HE22	1:34:A:LEU:HD22	3	0.87
(1,4606)	1:73:B:GLN:H	1:29:B:LEU:HD11	17	0.87
(1,4562)	1:73:B:GLN:HE22	1:76:B:SER:HB3	17	0.87
(1,4553)	1:56:A:GLN:HE21	1:34:A:LEU:HD21	5	0.87
(1,4538)	1:97:B:GLN:HE22	1:88:B:GLU:H	1	0.87
(1,4537)	1:97:A:GLN:HE22	1:88:A:GLU:H	1	0.87
(1,4524)	1:80:B:SER:H	1:79:B:LEU:HD21	9	0.87
(1,4523)	1:80:A:SER:H	1:79:A:LEU:HD21	9	0.87
(1,4506)	1:32:B:SER:H	1:31:B:LYS:HE3	12	0.87
(1,4505)	1:32:A:SER:H	1:31:A:LYS:HE3	12	0.87
(1,4464)	1:31:B:LYS:H	1:34:B:LEU:HD21	2	0.87
(1,4463)	1:31:A:LYS:H	1:34:A:LEU:HD21	2	0.87
(1,4458)	1:68:B:ASN:H	1:66:B:ARG:HB2	15	0.87
(1,4448)	1:69:B:GLU:H	1:28:B:LYS:HA	12	0.87
(1,4447)	1:69:A:GLU:H	1:28:A:LYS:HA	12	0.87
(1,4392)	1:7:B:LYS:H	1:9:B:LEU:HD22	19	0.87
(1,4380)	1:10:B:ASP:H	1:9:B:LEU:HD22	2	0.87
(1,4380)	1:10:B:ASP:H	1:9:B:LEU:HD11	12	0.87
(1,4379)	1:10:A:ASP:H	1:9:A:LEU:HD22	2	0.87
(1,4379)	1:10:A:ASP:H	1:9:A:LEU:HD21	6	0.87
(1,4366)	1:9:B:LEU:H	1:79:A:LEU:HD11	1	0.87
(1,4365)	1:9:A:LEU:H	1:79:B:LEU:HD11	1	0.87
(1,4360)	1:67:B:ASP:H	1:70:B:VAL:HG23	17	0.87
(1,4359)	1:67:A:ASP:H	1:70:A:VAL:HG23	17	0.87
(1,4330)	1:58:B:LEU:H	1:58:B:LEU:HD13	7	0.87
(1,4329)	1:58:A:LEU:H	1:58:A:LEU:HD13	7	0.87
(1,4258)	1:30:B:ASN:H	1:28:B:LYS:HD2	2	0.87
(1,4257)	1:30:A:ASN:H	1:28:A:LYS:HD2	2	0.87
(1,4118)	1:64:B:SER:HA	1:60:B:SER:HB2	12	0.87
(1,4117)	1:64:A:SER:HA	1:60:A:SER:HB2	12	0.87
(1,4114)	1:75:B:TYR:HA	1:70:B:VAL:HG21	7	0.87
(1,4114)	1:75:B:TYR:HA	1:70:B:VAL:HG21	11	0.87
(1,4113)	1:75:A:TYR:HA	1:70:A:VAL:HG21	7	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4113)	1:75:A:TYR:HA	1:70:A:VAL:HG21	11	0.87
(1,4064)	1:37:B:LEU:HD11	1:17:B:HIS:HA	13	0.87
(1,4063)	1:37:A:LEU:HD11	1:17:A:HIS:HA	13	0.87
(1,3944)	1:42:B:LEU:HB3	1:79:B:LEU:HD23	1	0.87
(1,3943)	1:42:A:LEU:HB3	1:79:A:LEU:HD23	1	0.87
(1,3854)	1:32:B:SER:H	1:31:B:LYS:HE3	12	0.87
(1,3853)	1:32:A:SER:H	1:31:A:LYS:HE3	12	0.87
(1,3816)	1:79:B:LEU:HB3	1:6:A:GLU:HA	19	0.87
(1,3804)	1:16:B:PHE:HB2	1:79:B:LEU:HG	13	0.87
(1,3803)	1:16:A:PHE:HB2	1:79:A:LEU:HG	13	0.87
(1,3772)	1:85:B:MET:HG2	1:89:B:PHE:HB2	7	0.87
(1,3756)	1:70:B:VAL:HG22	1:74:B:GLU:HG3	5	0.87
(1,3755)	1:70:A:VAL:HG22	1:74:A:GLU:HG3	5	0.87
(1,3737)	1:33:A:GLU:HG2	1:29:A:LEU:HD11	9	0.87
(1,3675)	1:59:A:MET:HG2	1:31:A:LYS:HB2	15	0.87
(1,3620)	1:17:B:HIS:HB2	1:13:B:VAL:HG13	19	0.87
(1,3619)	1:17:A:HIS:HB2	1:13:A:VAL:HG13	19	0.87
(1,3550)	1:37:B:LEU:HD11	1:18:B:LYS:HB3	13	0.87
(1,3550)	1:37:B:LEU:HD13	1:18:B:LYS:HB3	20	0.87
(1,3549)	1:37:A:LEU:HD12	1:18:A:LYS:HB3	19	0.87
(1,3549)	1:37:A:LEU:HD13	1:18:A:LYS:HB3	20	0.87
(1,3528)	1:5:B:LEU:HG	1:10:A:ASP:H	2	0.87
(1,3528)	1:5:B:LEU:HG	1:10:A:ASP:H	18	0.87
(1,3527)	1:5:A:LEU:HG	1:10:B:ASP:H	2	0.87
(1,3522)	1:38:B:LEU:HD21	1:39:B:THR:H	19	0.87
(1,3521)	1:38:A:LEU:HD21	1:39:A:THR:H	15	0.87
(1,3521)	1:38:A:LEU:HD21	1:39:A:THR:H	19	0.87
(1,3470)	1:48:B:LYS:HG3	1:46:B:LEU:HD22	5	0.87
(1,3469)	1:48:A:LYS:HG3	1:46:A:LEU:HD22	5	0.87
(1,3450)	1:18:B:LYS:HG2	1:22:B:LYS:HB3	19	0.87
(1,3449)	1:18:A:LYS:HG2	1:22:A:LYS:HB3	19	0.87
(1,3364)	1:39:B:THR:HG23	1:37:B:LEU:HB3	11	0.87
(1,3363)	1:39:A:THR:HG23	1:37:A:LEU:HB3	11	0.87
(1,3336)	1:2:B:ALA:HB2	1:7:B:LYS:HA	7	0.87
(1,3335)	1:2:A:ALA:HB2	1:7:A:LYS:HA	7	0.87
(1,2786)	1:89:B:PHE:H	1:13:A:VAL:HG13	20	0.87
(1,2719)	1:61:A:ASN:H	1:66:A:ARG:HD2	9	0.87
(1,2650)	1:10:B:ASP:H	1:82:A:ILE:HD12	7	0.87
(1,2649)	1:10:A:ASP:H	1:82:B:ILE:HD12	7	0.87
(1,2626)	1:9:B:LEU:H	1:82:A:ILE:HD13	4	0.87
(1,2626)	1:9:B:LEU:H	1:82:A:ILE:HD12	5	0.87
(1,2626)	1:9:B:LEU:H	1:82:A:ILE:HD13	16	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2626)	1:9:B:LEU:H	1:82:A:ILE:HD13	17	0.87
(1,2220)	1:100:B:LYS:H	1:97:B:GLN:HG3	2	0.87
(1,2092)	1:26:B:LYS:H	1:21:B:GLY:HA3	14	0.87
(1,2040)	1:43:B:PRO:HA	1:46:B:LEU:HD12	18	0.87
(1,2039)	1:43:A:PRO:HA	1:46:A:LEU:HD12	18	0.87
(1,2039)	1:43:A:PRO:HA	1:46:A:LEU:HD11	20	0.87
(1,1856)	1:19:B:TYR:HA	1:29:B:LEU:HD12	11	0.87
(1,1855)	1:19:A:TYR:HA	1:29:A:LEU:HD12	11	0.87
(1,1504)	1:92:B:GLY:HA2	1:90:B:PHE:HB3	12	0.87
(1,1503)	1:92:A:GLY:HA2	1:90:A:PHE:HB3	12	0.87
(1,1211)	1:28:A:LYS:HB3	1:70:A:VAL:HG12	3	0.87
(1,1204)	1:87:B:ASN:HB3	1:73:A:GLN:HG3	2	0.87
(1,1203)	1:87:A:ASN:HB3	1:73:B:GLN:HG3	2	0.87
(1,1070)	1:88:B:GLU:HG3	1:96:B:LYS:HE3	5	0.87
(1,1025)	1:41:A:GLU:HG3	1:40:A:ARG:HA	15	0.87
(1,802)	1:41:B:GLU:HB2	1:5:A:LEU:HD21	6	0.87
(1,794)	1:17:B:HIS:HB3	1:16:B:PHE:HA	18	0.87
(1,652)	1:39:B:THR:HG21	1:40:B:ARG:HG2	3	0.87
(1,652)	1:39:B:THR:HG21	1:40:B:ARG:HG2	8	0.87
(1,652)	1:39:B:THR:HG22	1:40:B:ARG:HG2	14	0.87
(1,651)	1:39:A:THR:HG21	1:40:A:ARG:HG2	8	0.87
(1,651)	1:39:A:THR:HG22	1:40:A:ARG:HG2	14	0.87
(1,622)	1:29:B:LEU:HD21	1:70:B:VAL:HG12	5	0.87
(1,621)	1:29:A:LEU:HD21	1:70:A:VAL:HG12	5	0.87
(1,604)	1:40:B:ARG:HG2	1:36:B:GLU:HA	2	0.87
(1,603)	1:40:A:ARG:HG2	1:36:A:GLU:HA	2	0.87
(1,556)	1:95:B:ASP:H	1:99:B:ARG:HG3	20	0.87
(1,126)	1:77:B:VAL:HG11	1:76:B:SER:H	16	0.87
(1,106)	1:83:B:ALA:HB1	1:82:B:ILE:HD13	17	0.87
(1,64)	1:82:B:ILE:HG22	1:13:A:VAL:HG22	2	0.87
(1,64)	1:82:B:ILE:HG23	1:13:A:VAL:HG23	12	0.87
(1,64)	1:82:B:ILE:HG23	1:13:A:VAL:HG21	17	0.87
(1,63)	1:82:A:ILE:HG23	1:13:B:VAL:HG23	12	0.87
(1,63)	1:82:A:ILE:HG21	1:13:B:VAL:HG22	16	0.87
(1,59)	1:82:A:ILE:HG22	1:85:A:MET:HG2	12	0.87
(2,280)	1:56:B:GLN:HE22	1:59:B:MET:HG3	2	0.86
(2,89)	1:61:A:ASN:HA	1:66:A:ARG:HD2	3	0.86
(1,4620)	1:56:B:GLN:HE22	1:34:B:LEU:HD22	3	0.86
(1,4605)	1:73:A:GLN:H	1:29:A:LEU:HD11	17	0.86
(1,4570)	1:30:B:ASN:HD22	1:37:B:LEU:HD12	2	0.86
(1,4569)	1:30:A:ASN:HD22	1:37:A:LEU:HD12	2	0.86
(1,4562)	1:73:B:GLN:HE22	1:76:B:SER:HB3	16	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4561)	1:73:A:GLN:HE22	1:76:A:SER:HB3	16	0.86
(1,4536)	1:41:B:GLU:H	1:79:B:LEU:HD22	20	0.86
(1,4535)	1:41:A:GLU:H	1:79:A:LEU:HD22	20	0.86
(1,4502)	1:87:B:ASN:HD21	1:86:B:SER:HA	4	0.86
(1,4501)	1:87:A:ASN:HD21	1:86:A:SER:HA	4	0.86
(1,4482)	1:14:B:SER:H	1:79:B:LEU:HD12	1	0.86
(1,4481)	1:14:A:SER:H	1:79:A:LEU:HD12	1	0.86
(1,4457)	1:68:A:ASN:H	1:66:A:ARG:HB2	15	0.86
(1,4454)	1:69:B:GLU:H	1:28:B:LYS:HG3	3	0.86
(1,4453)	1:69:A:GLU:H	1:28:A:LYS:HG3	3	0.86
(1,4422)	1:46:B:LEU:H	1:7:A:LYS:HD2	19	0.86
(1,4421)	1:46:A:LEU:H	1:7:B:LYS:HD2	19	0.86
(1,4379)	1:10:A:ASP:H	1:9:A:LEU:HD11	12	0.86
(1,4350)	1:16:B:PHE:H	1:79:B:LEU:HD12	8	0.86
(1,4349)	1:16:A:PHE:H	1:79:A:LEU:HD12	8	0.86
(1,4330)	1:58:B:LEU:H	1:58:B:LEU:HD13	5	0.86
(1,4330)	1:58:B:LEU:H	1:58:B:LEU:HD11	9	0.86
(1,4330)	1:58:B:LEU:H	1:58:B:LEU:HD13	10	0.86
(1,4329)	1:58:A:LEU:H	1:58:A:LEU:HD13	5	0.86
(1,4329)	1:58:A:LEU:H	1:58:A:LEU:HD11	9	0.86
(1,4329)	1:58:A:LEU:H	1:58:A:LEU:HD13	10	0.86
(1,4327)	1:58:A:LEU:H	1:56:A:GLN:HB3	8	0.86
(1,4323)	1:42:A:LEU:H	1:37:A:LEU:HD22	20	0.86
(1,4193)	1:77:A:VAL:HA	1:83:B:ALA:HB2	12	0.86
(1,4180)	1:60:B:SER:HB3	1:58:B:LEU:HD11	6	0.86
(1,4179)	1:60:A:SER:HB3	1:58:A:LEU:HD11	6	0.86
(1,4168)	1:76:B:SER:HB2	1:79:B:LEU:HB3	16	0.86
(1,4167)	1:76:A:SER:HB2	1:79:A:LEU:HB3	16	0.86
(1,4114)	1:75:B:TYR:HA	1:70:B:VAL:HG22	20	0.86
(1,4113)	1:75:A:TYR:HA	1:70:A:VAL:HG22	20	0.86
(1,4028)	1:83:B:ALA:HA	1:9:A:LEU:HB3	3	0.86
(1,4027)	1:83:A:ALA:HA	1:9:B:LEU:HB3	3	0.86
(1,3917)	1:40:A:ARG:HD2	1:39:A:THR:HA	8	0.86
(1,3815)	1:79:A:LEU:HB3	1:6:B:GLU:HA	19	0.86
(1,3771)	1:85:A:MET:HG2	1:89:A:PHE:HB2	7	0.86
(1,3738)	1:33:B:GLU:HG2	1:29:B:LEU:HD11	9	0.86
(1,3676)	1:59:B:MET:HG2	1:31:B:LYS:HB2	15	0.86
(1,3550)	1:37:B:LEU:HD12	1:18:B:LYS:HB3	19	0.86
(1,3527)	1:5:A:LEU:HG	1:10:B:ASP:H	18	0.86
(1,3434)	1:38:B:LEU:HD13	1:41:B:GLU:HB3	2	0.86
(1,3434)	1:38:B:LEU:HD11	1:41:B:GLU:HB3	6	0.86
(1,3433)	1:38:A:LEU:HD13	1:41:A:GLU:HB3	2	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3433)	1:38:A:LEU:HD11	1:41:A:GLU:HB3	6	0.86
(1,3369)	1:50:A:THR:HG21	1:49:A:ARG:HD2	16	0.86
(1,3318)	1:82:B:ILE:HG22	1:45:B:PHE:HA	12	0.86
(1,3317)	1:82:A:ILE:HG22	1:45:A:PHE:HA	12	0.86
(1,3164)	1:21:B:GLY:H	1:37:B:LEU:HD13	12	0.86
(1,3164)	1:21:B:GLY:H	1:37:B:LEU:HD13	18	0.86
(1,3163)	1:21:A:GLY:H	1:37:A:LEU:HD13	12	0.86
(1,3163)	1:21:A:GLY:H	1:37:A:LEU:HD13	18	0.86
(1,2785)	1:89:A:PHE:H	1:13:B:VAL:HG13	20	0.86
(1,2720)	1:61:B:ASN:H	1:66:B:ARG:HD2	9	0.86
(1,2625)	1:9:A:LEU:H	1:82:B:ILE:HD13	4	0.86
(1,2625)	1:9:A:LEU:H	1:82:B:ILE:HD13	16	0.86
(1,2242)	1:33:B:GLU:H	1:29:B:LEU:HB2	17	0.86
(1,2219)	1:100:A:LYS:H	1:97:A:GLN:HG3	2	0.86
(1,2092)	1:26:B:LYS:H	1:21:B:GLY:HA3	16	0.86
(1,2040)	1:43:B:PRO:HA	1:46:B:LEU:HD11	20	0.86
(1,1504)	1:92:B:GLY:HA2	1:90:B:PHE:HB3	20	0.86
(1,1503)	1:92:A:GLY:HA2	1:90:A:PHE:HB3	20	0.86
(1,1402)	1:40:B:ARG:HB2	1:40:B:ARG:HD2	20	0.86
(1,1401)	1:40:A:ARG:HB2	1:40:A:ARG:HD2	20	0.86
(1,1338)	1:71:B:ASP:HB2	1:75:B:TYR:HB3	2	0.86
(1,1337)	1:71:A:ASP:HB2	1:75:A:TYR:HB3	2	0.86
(1,1212)	1:28:B:LYS:HB3	1:70:B:VAL:HG13	2	0.86
(1,1212)	1:28:B:LYS:HB3	1:70:B:VAL:HG13	20	0.86
(1,1211)	1:28:A:LYS:HB3	1:70:A:VAL:HG13	2	0.86
(1,1211)	1:28:A:LYS:HB3	1:70:A:VAL:HG13	20	0.86
(1,1069)	1:88:A:GLU:HG3	1:96:A:LYS:HE3	5	0.86
(1,1068)	1:91:B:GLU:HG3	1:90:B:PHE:HB3	5	0.86
(1,1067)	1:91:A:GLU:HG3	1:90:A:PHE:HB3	5	0.86
(1,801)	1:41:A:GLU:HB2	1:5:B:LEU:HD21	6	0.86
(1,651)	1:39:A:THR:HG21	1:40:A:ARG:HG2	3	0.86
(1,622)	1:29:B:LEU:HD21	1:70:B:VAL:HG13	7	0.86
(1,621)	1:29:A:LEU:HD21	1:70:A:VAL:HG13	7	0.86
(1,555)	1:95:A:ASP:H	1:99:A:ARG:HG3	20	0.86
(1,415)	1:46:A:LEU:HD21	1:62:A:LEU:HD11	14	0.86
(1,394)	1:46:B:LEU:HD21	1:61:B:ASN:HD21	10	0.86
(1,393)	1:46:A:LEU:HD21	1:61:A:ASN:HD21	10	0.86
(1,393)	1:46:A:LEU:HD23	1:61:A:ASN:HD21	12	0.86
(1,126)	1:77:B:VAL:HG13	1:76:B:SER:H	6	0.86
(1,125)	1:77:A:VAL:HG13	1:76:A:SER:H	6	0.86
(1,106)	1:83:B:ALA:HB3	1:82:B:ILE:HD11	11	0.86
(1,106)	1:83:B:ALA:HB3	1:82:B:ILE:HD11	12	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,106)	1:83:B:ALA:HB2	1:82:B:ILE:HD13	16	0.86
(1,106)	1:83:B:ALA:HB2	1:82:B:ILE:HD13	20	0.86
(1,105)	1:83:A:ALA:HB3	1:82:A:ILE:HD11	11	0.86
(1,105)	1:83:A:ALA:HB3	1:82:A:ILE:HD11	12	0.86
(1,105)	1:83:A:ALA:HB2	1:82:A:ILE:HD13	16	0.86
(1,64)	1:82:B:ILE:HG21	1:13:A:VAL:HG22	4	0.86
(1,64)	1:82:B:ILE:HG21	1:13:A:VAL:HG21	9	0.86
(1,64)	1:82:B:ILE:HG23	1:13:A:VAL:HG23	11	0.86
(1,63)	1:82:A:ILE:HG22	1:13:B:VAL:HG22	2	0.86
(1,63)	1:82:A:ILE:HG23	1:13:B:VAL:HG23	11	0.86
(1,63)	1:82:A:ILE:HG21	1:13:B:VAL:HG23	20	0.86
(1,60)	1:82:B:ILE:HG22	1:85:B:MET:HG2	12	0.86
(1,9)	1:5:A:LEU:HD12	1:15:B:THR:HB	17	0.86
(2,288)	1:50:B:THR:H	1:48:B:LYS:HB2	20	0.85
(2,279)	1:56:A:GLN:HE22	1:59:A:MET:HG3	2	0.85
(2,47)	1:23:A:GLU:HB3	1:33:A:GLU:HB2	19	0.85
(1,4584)	1:36:B:GLU:H	1:34:B:LEU:HD21	3	0.85
(1,4584)	1:36:B:GLU:H	1:34:B:LEU:HD23	20	0.85
(1,4583)	1:36:A:GLU:H	1:34:A:LEU:HD23	20	0.85
(1,4554)	1:56:B:GLN:HE21	1:34:B:LEU:HD22	2	0.85
(1,4553)	1:56:A:GLN:HE21	1:34:A:LEU:HD21	9	0.85
(1,4524)	1:80:B:SER:H	1:79:B:LEU:HD22	11	0.85
(1,4523)	1:80:A:SER:H	1:79:A:LEU:HD22	11	0.85
(1,4504)	1:28:B:LYS:H	1:33:B:GLU:HB3	9	0.85
(1,4503)	1:28:A:LYS:H	1:33:A:GLU:HB3	9	0.85
(1,4457)	1:68:A:ASN:H	1:66:A:ARG:HB2	20	0.85
(1,4448)	1:69:B:GLU:H	1:28:B:LYS:HA	8	0.85
(1,4447)	1:69:A:GLU:H	1:28:A:LYS:HA	8	0.85
(1,4400)	1:72:B:PHE:H	1:13:B:VAL:HG12	6	0.85
(1,4399)	1:72:A:PHE:H	1:13:A:VAL:HG12	6	0.85
(1,4394)	1:7:B:LYS:H	1:79:A:LEU:HD21	20	0.85
(1,4393)	1:7:A:LYS:H	1:79:B:LEU:HD13	15	0.85
(1,4393)	1:7:A:LYS:H	1:79:B:LEU:HD21	20	0.85
(1,4380)	1:10:B:ASP:H	1:9:B:LEU:HD23	18	0.85
(1,4379)	1:10:A:ASP:H	1:9:A:LEU:HD23	18	0.85
(1,4356)	1:79:B:LEU:H	1:82:B:ILE:HG13	13	0.85
(1,4355)	1:79:A:LEU:H	1:82:A:ILE:HG13	13	0.85
(1,4350)	1:16:B:PHE:H	1:79:B:LEU:HD13	18	0.85
(1,4340)	1:13:B:VAL:H	1:79:B:LEU:HD13	11	0.85
(1,4339)	1:13:A:VAL:H	1:79:A:LEU:HD13	11	0.85
(1,4328)	1:58:B:LEU:H	1:56:B:GLN:HB3	8	0.85
(1,4324)	1:42:B:LEU:H	1:42:B:LEU:HD22	3	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4324)	1:42:B:LEU:H	1:37:B:LEU:HD22	20	0.85
(1,4194)	1:77:B:VAL:HA	1:83:A:ALA:HB2	12	0.85
(1,4193)	1:77:A:VAL:HA	1:83:B:ALA:HB1	10	0.85
(1,4178)	1:32:B:SER:HB2	1:31:B:LYS:HG3	3	0.85
(1,4168)	1:76:B:SER:HB3	1:79:B:LEU:HB3	2	0.85
(1,4167)	1:76:A:SER:HB3	1:79:A:LEU:HB3	2	0.85
(1,4158)	1:32:B:SER:HB2	1:23:B:GLU:HG3	9	0.85
(1,4157)	1:32:A:SER:HB2	1:23:A:GLU:HG3	9	0.85
(1,4114)	1:75:B:TYR:HA	1:70:B:VAL:HG22	1	0.85
(1,4113)	1:75:A:TYR:HA	1:70:A:VAL:HG22	1	0.85
(1,4064)	1:37:B:LEU:HD13	1:17:B:HIS:HA	11	0.85
(1,4063)	1:37:A:LEU:HD13	1:17:A:HIS:HA	11	0.85
(1,3972)	1:2:B:ALA:HA	1:11:A:VAL:HG11	4	0.85
(1,3960)	1:99:B:ARG:HD3	1:98:B:PRO:HD2	4	0.85
(1,3959)	1:99:A:ARG:HD3	1:98:A:PRO:HD2	4	0.85
(1,3918)	1:40:B:ARG:HD2	1:39:B:THR:HA	6	0.85
(1,3918)	1:40:B:ARG:HD2	1:39:B:THR:HA	8	0.85
(1,3918)	1:40:B:ARG:HD2	1:39:B:THR:HA	14	0.85
(1,3917)	1:40:A:ARG:HD2	1:39:A:THR:HA	6	0.85
(1,3917)	1:40:A:ARG:HD2	1:39:A:THR:HA	14	0.85
(1,3880)	1:51:B:ASP:HB3	1:56:B:GLN:HB3	17	0.85
(1,3879)	1:51:A:ASP:HB3	1:56:A:GLN:HB3	17	0.85
(1,3860)	1:31:B:LYS:HE2	1:53:B:ALA:HA	7	0.85
(1,3860)	1:31:B:LYS:HE2	1:52:B:GLU:HA	14	0.85
(1,3859)	1:31:A:LYS:HE2	1:53:A:ALA:HA	7	0.85
(1,3859)	1:31:A:LYS:HE2	1:52:A:GLU:HA	14	0.85
(1,3766)	1:87:B:ASN:HB3	1:89:B:PHE:HB3	12	0.85
(1,3765)	1:87:A:ASN:HB3	1:89:A:PHE:HB3	12	0.85
(1,3705)	1:23:A:GLU:HB3	1:33:A:GLU:HB2	19	0.85
(1,3620)	1:17:B:HIS:HB2	1:13:B:VAL:HG12	13	0.85
(1,3619)	1:17:A:HIS:HB2	1:13:A:VAL:HG12	13	0.85
(1,3604)	1:31:B:LYS:HD3	1:35:B:LYS:H	3	0.85
(1,3603)	1:31:A:LYS:HD3	1:35:A:LYS:H	3	0.85
(1,3596)	1:11:B:VAL:HG22	1:7:B:LYS:HD3	6	0.85
(1,3595)	1:11:A:VAL:HG22	1:7:A:LYS:HD3	3	0.85
(1,3595)	1:11:A:VAL:HG22	1:7:A:LYS:HD3	6	0.85
(1,3570)	1:48:B:LYS:HD2	1:48:B:LYS:HA	18	0.85
(1,3569)	1:48:A:LYS:HD2	1:48:A:LYS:HA	18	0.85
(1,3558)	1:40:B:ARG:HG2	1:36:B:GLU:HG2	9	0.85
(1,3558)	1:40:B:ARG:HG2	1:36:B:GLU:HG2	11	0.85
(1,3557)	1:40:A:ARG:HG2	1:36:A:GLU:HG2	4	0.85
(1,3557)	1:40:A:ARG:HG2	1:36:A:GLU:HG2	9	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3557)	1:40:A:ARG:HG2	1:36:A:GLU:HG2	11	0.85
(1,3550)	1:37:B:LEU:HD12	1:18:B:LYS:HB3	10	0.85
(1,3546)	1:29:B:LEU:HD23	1:22:B:LYS:HE2	2	0.85
(1,3546)	1:29:B:LEU:HD21	1:22:B:LYS:HE3	17	0.85
(1,3545)	1:29:A:LEU:HD23	1:22:A:LYS:HE2	2	0.85
(1,3545)	1:29:A:LEU:HD21	1:22:A:LYS:HE3	9	0.85
(1,3545)	1:29:A:LEU:HD21	1:22:A:LYS:HE3	17	0.85
(1,3537)	1:5:A:LEU:HG	1:79:B:LEU:HD11	17	0.85
(1,3522)	1:38:B:LEU:HD23	1:39:B:THR:H	9	0.85
(1,3521)	1:38:A:LEU:HD23	1:39:A:THR:H	9	0.85
(1,3470)	1:48:B:LYS:HG2	1:46:B:LEU:HD21	2	0.85
(1,3469)	1:48:A:LYS:HG2	1:46:A:LEU:HD21	2	0.85
(1,3434)	1:38:B:LEU:HD12	1:41:B:GLU:HB3	8	0.85
(1,3433)	1:38:A:LEU:HD12	1:41:A:GLU:HB3	8	0.85
(1,3370)	1:50:B:THR:HG21	1:49:B:ARG:HD2	3	0.85
(1,3370)	1:50:B:THR:HG21	1:49:B:ARG:HD2	16	0.85
(1,3369)	1:50:A:THR:HG21	1:49:A:ARG:HD2	3	0.85
(1,3364)	1:39:B:THR:HG21	1:37:B:LEU:HB3	7	0.85
(1,3364)	1:39:B:THR:HG21	1:37:B:LEU:HB3	13	0.85
(1,3364)	1:39:B:THR:HG21	1:37:B:LEU:HB3	18	0.85
(1,3363)	1:39:A:THR:HG21	1:37:A:LEU:HB3	13	0.85
(1,3363)	1:39:A:THR:HG21	1:37:A:LEU:HB3	18	0.85
(1,3352)	1:13:B:VAL:HG12	1:90:A:PHE:H	9	0.85
(1,3351)	1:11:A:VAL:HG11	1:10:A:ASP:H	9	0.85
(1,3318)	1:82:B:ILE:HG23	1:45:B:PHE:HA	1	0.85
(1,3317)	1:82:A:ILE:HG23	1:45:A:PHE:HA	1	0.85
(1,3048)	1:97:B:GLN:HE22	1:96:B:LYS:H	16	0.85
(1,3047)	1:97:A:GLN:HE22	1:96:A:LYS:H	16	0.85
(1,2626)	1:9:B:LEU:H	1:82:A:ILE:HD12	19	0.85
(1,2625)	1:9:A:LEU:H	1:82:B:ILE:HD12	19	0.85
(1,2241)	1:33:A:GLU:H	1:29:A:LEU:HB2	17	0.85
(1,2164)	1:70:B:VAL:H	1:29:B:LEU:HB3	14	0.85
(1,2163)	1:70:A:VAL:H	1:29:A:LEU:HB3	14	0.85
(1,2091)	1:26:A:LYS:H	1:21:A:GLY:HA3	16	0.85
(1,1856)	1:19:B:TYR:HA	1:29:B:LEU:HD13	10	0.85
(1,1698)	1:9:B:LEU:HB3	1:10:B:ASP:HA	16	0.85
(1,1697)	1:9:A:LEU:HB3	1:10:A:ASP:HA	16	0.85
(1,1524)	1:47:B:GLY:HA3	1:48:B:LYS:HB3	18	0.85
(1,1523)	1:47:A:GLY:HA3	1:48:A:LYS:HB3	18	0.85
(1,1447)	1:29:A:LEU:HB2	1:33:A:GLU:HB3	5	0.85
(1,1212)	1:28:B:LYS:HB3	1:70:B:VAL:HG11	14	0.85
(1,1211)	1:28:A:LYS:HB3	1:70:A:VAL:HG11	14	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,970)	1:97:B:GLN:HG3	1:95:B:ASP:HB3	18	0.85
(1,969)	1:97:A:GLN:HG3	1:95:A:ASP:HB3	18	0.85
(1,898)	1:85:B:MET:HG2	1:85:B:MET:HA	15	0.85
(1,898)	1:85:B:MET:HG2	1:85:B:MET:HA	20	0.85
(1,897)	1:85:A:MET:HG2	1:85:A:MET:HA	15	0.85
(1,897)	1:85:A:MET:HG2	1:85:A:MET:HA	20	0.85
(1,416)	1:46:B:LEU:HD21	1:62:B:LEU:HD11	14	0.85
(1,394)	1:46:B:LEU:HD23	1:61:B:ASN:HD21	12	0.85
(1,394)	1:46:B:LEU:HD22	1:61:B:ASN:HD21	13	0.85
(1,393)	1:46:A:LEU:HD22	1:61:A:ASN:HD21	13	0.85
(1,242)	1:34:B:LEU:HD13	1:34:B:LEU:HB3	6	0.85
(1,242)	1:34:B:LEU:HD13	1:34:B:LEU:HB3	12	0.85
(1,242)	1:34:B:LEU:HD11	1:34:B:LEU:HB3	13	0.85
(1,242)	1:34:B:LEU:HD11	1:34:B:LEU:HB3	19	0.85
(1,241)	1:34:A:LEU:HD13	1:34:A:LEU:HB3	6	0.85
(1,241)	1:34:A:LEU:HD12	1:34:A:LEU:HB3	9	0.85
(1,241)	1:34:A:LEU:HD13	1:34:A:LEU:HB3	12	0.85
(1,241)	1:34:A:LEU:HD11	1:34:A:LEU:HB3	13	0.85
(1,241)	1:34:A:LEU:HD11	1:34:A:LEU:HB3	19	0.85
(1,106)	1:83:B:ALA:HB1	1:82:B:ILE:HD13	4	0.85
(1,106)	1:83:B:ALA:HB1	1:82:B:ILE:HD12	7	0.85
(1,105)	1:83:A:ALA:HB1	1:82:A:ILE:HD13	4	0.85
(1,105)	1:83:A:ALA:HB1	1:82:A:ILE:HD12	7	0.85
(1,105)	1:83:A:ALA:HB2	1:82:A:ILE:HD13	20	0.85
(1,64)	1:82:B:ILE:HG21	1:13:A:VAL:HG22	16	0.85
(1,64)	1:82:B:ILE:HG21	1:13:A:VAL:HG23	20	0.85
(1,63)	1:82:A:ILE:HG21	1:13:B:VAL:HG21	9	0.85
(1,22)	1:31:B:LYS:HG2	1:31:B:LYS:HE2	8	0.85
(1,21)	1:31:A:LYS:HG2	1:31:A:LYS:HE2	8	0.85
(1,10)	1:5:B:LEU:HD12	1:15:A:THR:HB	17	0.85
(1,2)	1:96:B:LYS:HD2	1:75:A:TYR:HB3	1	0.85
(1,2)	1:96:B:LYS:HD3	1:75:A:TYR:HB3	5	0.85
(1,2)	1:96:B:LYS:HD2	1:75:A:TYR:HB3	15	0.85
(1,1)	1:96:A:LYS:HD2	1:75:B:TYR:HB3	1	0.85
(1,1)	1:96:A:LYS:HD3	1:75:B:TYR:HB3	5	0.85
(2,287)	1:50:A:THR:H	1:48:A:LYS:HB2	20	0.84
(2,48)	1:23:B:GLU:HB3	1:33:B:GLU:HB2	19	0.84
(2,36)	1:33:B:GLU:HB3	1:31:B:LYS:HA	13	0.84
(2,35)	1:33:A:GLU:HB3	1:31:A:LYS:HA	13	0.84
(2,35)	1:33:A:GLU:HB3	1:31:A:LYS:HA	18	0.84
(1,4583)	1:36:A:GLU:H	1:34:A:LEU:HD21	3	0.84
(1,4569)	1:30:A:ASN:HD22	1:37:A:LEU:HD12	20	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4554)	1:56:B:GLN:HE21	1:34:B:LEU:HD21	9	0.84
(1,4553)	1:56:A:GLN:HE21	1:34:A:LEU:HD22	2	0.84
(1,4526)	1:68:B:ASN:HD21	1:56:B:GLN:HA	20	0.84
(1,4525)	1:68:A:ASN:HD21	1:56:A:GLN:HA	20	0.84
(1,4506)	1:32:B:SER:H	1:31:B:LYS:HE3	11	0.84
(1,4505)	1:32:A:SER:H	1:31:A:LYS:HE3	11	0.84
(1,4478)	1:85:B:MET:H	1:82:B:ILE:HG13	1	0.84
(1,4477)	1:85:A:MET:H	1:82:A:ILE:HG13	1	0.84
(1,4458)	1:68:B:ASN:H	1:66:B:ARG:HB2	6	0.84
(1,4458)	1:68:B:ASN:H	1:66:B:ARG:HB2	20	0.84
(1,4457)	1:68:A:ASN:H	1:66:A:ARG:HB2	6	0.84
(1,4394)	1:7:B:LYS:H	1:79:A:LEU:HD13	15	0.84
(1,4380)	1:10:B:ASP:H	1:9:B:LEU:HD11	14	0.84
(1,4356)	1:79:B:LEU:H	1:82:B:ILE:HG13	12	0.84
(1,4355)	1:79:A:LEU:H	1:82:A:ILE:HG13	12	0.84
(1,4349)	1:16:A:PHE:H	1:79:A:LEU:HD13	18	0.84
(1,4332)	1:57:B:LYS:H	1:34:B:LEU:HD22	20	0.84
(1,4331)	1:57:A:LYS:H	1:58:A:LEU:HD11	18	0.84
(1,4331)	1:57:A:LYS:H	1:34:A:LEU:HD22	20	0.84
(1,4323)	1:42:A:LEU:H	1:42:A:LEU:HD22	3	0.84
(1,4194)	1:77:B:VAL:HA	1:62:B:LEU:HB3	7	0.84
(1,4194)	1:77:B:VAL:HA	1:83:A:ALA:HB1	10	0.84
(1,4193)	1:77:A:VAL:HA	1:62:A:LEU:HB3	7	0.84
(1,4177)	1:32:A:SER:HB2	1:31:A:LYS:HG3	3	0.84
(1,4163)	1:14:A:SER:HB3	1:18:A:LYS:HD3	19	0.84
(1,4114)	1:75:B:TYR:HA	1:70:B:VAL:HG22	12	0.84
(1,4113)	1:75:A:TYR:HA	1:70:A:VAL:HG22	12	0.84
(1,4028)	1:83:B:ALA:HA	1:9:A:LEU:HB3	19	0.84
(1,4027)	1:83:A:ALA:HA	1:9:B:LEU:HB3	19	0.84
(1,3950)	1:21:B:GLY:HA3	1:18:B:LYS:HB2	16	0.84
(1,3949)	1:21:A:GLY:HA3	1:18:A:LYS:HB2	16	0.84
(1,3918)	1:40:B:ARG:HD2	1:39:B:THR:HA	3	0.84
(1,3918)	1:40:B:ARG:HD2	1:39:B:THR:HA	4	0.84
(1,3918)	1:40:B:ARG:HD2	1:39:B:THR:HA	16	0.84
(1,3917)	1:40:A:ARG:HD2	1:39:A:THR:HA	3	0.84
(1,3917)	1:40:A:ARG:HD2	1:39:A:THR:HA	4	0.84
(1,3880)	1:51:B:ASP:HB3	1:56:B:GLN:HB3	13	0.84
(1,3879)	1:51:A:ASP:HB3	1:56:A:GLN:HB3	13	0.84
(1,3854)	1:32:B:SER:H	1:31:B:LYS:HE3	11	0.84
(1,3853)	1:32:A:SER:H	1:31:A:LYS:HE3	11	0.84
(1,3792)	1:61:B:ASN:HB3	1:81:B:SER:HB2	14	0.84
(1,3772)	1:85:B:MET:HG2	1:89:B:PHE:HB3	19	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3706)	1:23:B:GLU:HB3	1:33:B:GLU:HB2	19	0.84
(1,3604)	1:31:B:LYS:HD3	1:35:B:LYS:H	4	0.84
(1,3603)	1:31:A:LYS:HD3	1:35:A:LYS:H	4	0.84
(1,3596)	1:11:B:VAL:HG22	1:7:B:LYS:HD3	3	0.84
(1,3558)	1:40:B:ARG:HG2	1:36:B:GLU:HG2	4	0.84
(1,3549)	1:37:A:LEU:HD12	1:18:A:LYS:HB3	10	0.84
(1,3546)	1:29:B:LEU:HD21	1:22:B:LYS:HE3	9	0.84
(1,3544)	1:29:B:LEU:HD22	1:69:B:GLU:HA	15	0.84
(1,3543)	1:29:A:LEU:HD22	1:69:A:GLU:HA	15	0.84
(1,3528)	1:5:B:LEU:HG	1:10:B:ASP:H	4	0.84
(1,3527)	1:5:A:LEU:HG	1:10:A:ASP:H	4	0.84
(1,3524)	1:38:B:LEU:HD21	1:55:B:PHE:HB3	20	0.84
(1,3523)	1:38:A:LEU:HD21	1:55:A:PHE:HB3	20	0.84
(1,3498)	1:79:B:LEU:HG	1:80:B:SER:HB2	11	0.84
(1,3497)	1:79:A:LEU:HG	1:80:A:SER:HB2	11	0.84
(1,3494)	1:79:B:LEU:HD23	1:15:B:THR:HB	1	0.84
(1,3493)	1:79:A:LEU:HD22	1:15:A:THR:HB	8	0.84
(1,3434)	1:38:B:LEU:HD12	1:41:B:GLU:HB3	17	0.84
(1,3433)	1:38:A:LEU:HD12	1:41:A:GLU:HB3	17	0.84
(1,3364)	1:39:B:THR:HG21	1:37:B:LEU:HB3	2	0.84
(1,3364)	1:39:B:THR:HG22	1:37:B:LEU:HB3	3	0.84
(1,3363)	1:39:A:THR:HG21	1:37:A:LEU:HB3	2	0.84
(1,3363)	1:39:A:THR:HG22	1:37:A:LEU:HB3	3	0.84
(1,3363)	1:39:A:THR:HG21	1:37:A:LEU:HB3	7	0.84
(1,3334)	1:83:B:ALA:HB1	1:82:B:ILE:HG23	17	0.84
(1,3333)	1:83:A:ALA:HB1	1:82:A:ILE:HG23	17	0.84
(1,3322)	1:54:B:ALA:HB3	1:46:B:LEU:HD22	6	0.84
(1,3321)	1:54:A:ALA:HB3	1:46:A:LEU:HD22	6	0.84
(1,3318)	1:82:B:ILE:HG21	1:45:B:PHE:HA	14	0.84
(1,3318)	1:82:B:ILE:HG23	1:45:B:PHE:HA	18	0.84
(1,3318)	1:82:B:ILE:HG23	1:45:B:PHE:HA	19	0.84
(1,3317)	1:82:A:ILE:HG21	1:45:A:PHE:HA	14	0.84
(1,3317)	1:82:A:ILE:HG23	1:45:A:PHE:HA	18	0.84
(1,3048)	1:97:B:GLN:HE22	1:96:B:LYS:H	14	0.84
(1,3047)	1:97:A:GLN:HE22	1:96:A:LYS:H	14	0.84
(1,2786)	1:89:B:PHE:H	1:13:A:VAL:HG12	7	0.84
(1,2785)	1:89:A:PHE:H	1:13:B:VAL:HG13	18	0.84
(1,2632)	1:95:B:ASP:H	1:97:B:GLN:HE22	6	0.84
(1,2632)	1:95:B:ASP:H	1:97:B:GLN:HE22	8	0.84
(1,2631)	1:95:A:ASP:H	1:97:A:GLN:HE22	6	0.84
(1,2631)	1:95:A:ASP:H	1:97:A:GLN:HE22	8	0.84
(1,2626)	1:9:B:LEU:H	1:82:A:ILE:HD12	18	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2625)	1:9:A:LEU:H	1:82:B:ILE:HD12	18	0.84
(1,2510)	1:42:B:LEU:H	1:82:B:ILE:HD13	2	0.84
(1,2509)	1:42:A:LEU:H	1:82:A:ILE:HD13	2	0.84
(1,1855)	1:19:A:TYR:HA	1:29:A:LEU:HD13	10	0.84
(1,1748)	1:88:B:GLU:HB3	1:85:B:MET:HA	8	0.84
(1,1747)	1:88:A:GLU:HB3	1:85:A:MET:HA	8	0.84
(1,1698)	1:9:B:LEU:HB3	1:10:B:ASP:HA	18	0.84
(1,1697)	1:9:A:LEU:HB3	1:10:A:ASP:HA	18	0.84
(1,1647)	1:49:A:ARG:HD2	1:49:A:ARG:HA	5	0.84
(1,1524)	1:47:B:GLY:HA3	1:48:B:LYS:HB3	1	0.84
(1,1448)	1:29:B:LEU:HB2	1:33:B:GLU:HB3	5	0.84
(1,1356)	1:22:B:LYS:HE3	1:22:B:LYS:HB3	11	0.84
(1,1355)	1:22:A:LYS:HE3	1:22:A:LYS:HB3	11	0.84
(1,1338)	1:71:B:ASP:HB2	1:75:B:TYR:HB2	9	0.84
(1,1338)	1:71:B:ASP:HB2	1:75:B:TYR:HB2	16	0.84
(1,1337)	1:71:A:ASP:HB2	1:75:A:TYR:HB2	9	0.84
(1,1154)	1:30:B:ASN:HB3	1:31:B:LYS:HA	15	0.84
(1,1153)	1:30:A:ASN:HB3	1:31:A:LYS:HA	15	0.84
(1,1075)	1:31:A:LYS:HD3	1:52:A:GLU:HG2	18	0.84
(1,1075)	1:31:A:LYS:HD2	1:52:A:GLU:HG2	19	0.84
(1,898)	1:85:B:MET:HG2	1:85:B:MET:HA	6	0.84
(1,897)	1:85:A:MET:HG2	1:85:A:MET:HA	6	0.84
(1,897)	1:85:A:MET:HG2	1:85:A:MET:HA	14	0.84
(1,840)	1:59:B:MET:HB3	1:62:B:LEU:HD13	8	0.84
(1,839)	1:59:A:MET:HB3	1:62:A:LEU:HD13	8	0.84
(1,688)	1:57:B:LYS:HD2	1:57:B:LYS:HA	20	0.84
(1,687)	1:57:A:LYS:HD2	1:57:A:LYS:HA	20	0.84
(1,536)	1:38:B:LEU:HD21	1:82:B:ILE:HD11	6	0.84
(1,535)	1:38:A:LEU:HD21	1:82:A:ILE:HD11	6	0.84
(1,394)	1:46:B:LEU:HD21	1:61:B:ASN:HD21	1	0.84
(1,394)	1:46:B:LEU:HD21	1:61:B:ASN:HD21	19	0.84
(1,393)	1:46:A:LEU:HD21	1:61:A:ASN:HD21	1	0.84
(1,242)	1:34:B:LEU:HD11	1:34:B:LEU:HB3	5	0.84
(1,242)	1:34:B:LEU:HD12	1:34:B:LEU:HB3	9	0.84
(1,242)	1:34:B:LEU:HD12	1:34:B:LEU:HB3	10	0.84
(1,242)	1:34:B:LEU:HD13	1:34:B:LEU:HB3	18	0.84
(1,241)	1:34:A:LEU:HD11	1:34:A:LEU:HB3	5	0.84
(1,241)	1:34:A:LEU:HD13	1:34:A:LEU:HB3	18	0.84
(1,106)	1:83:B:ALA:HB3	1:82:B:ILE:HD12	3	0.84
(1,105)	1:83:A:ALA:HB3	1:82:A:ILE:HD12	3	0.84
(1,63)	1:82:A:ILE:HG21	1:13:B:VAL:HG23	6	0.84
(1,60)	1:82:B:ILE:HG22	1:85:B:MET:HG2	11	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,8)	1:79:B:LEU:HD11	1:9:A:LEU:HD21	17	0.84
(2,286)	1:65:B:ASN:HD21	1:68:B:ASN:HD21	4	0.83
(2,285)	1:65:A:ASN:HD21	1:68:A:ASN:HD21	4	0.83
(2,36)	1:33:B:GLU:HB3	1:31:B:LYS:HA	18	0.83
(1,4604)	1:73:B:GLN:H	1:13:B:VAL:HG11	20	0.83
(1,4603)	1:73:A:GLN:H	1:13:A:VAL:HG11	20	0.83
(1,4583)	1:36:A:GLU:H	1:37:A:LEU:HD23	7	0.83
(1,4570)	1:30:B:ASN:HD22	1:37:B:LEU:HD12	20	0.83
(1,4569)	1:30:A:ASN:HD22	1:37:A:LEU:HD12	8	0.83
(1,4562)	1:73:B:GLN:HE22	1:77:B:VAL:HA	13	0.83
(1,4561)	1:73:A:GLN:HE22	1:77:A:VAL:HA	13	0.83
(1,4518)	1:20:B:SER:H	1:26:B:LYS:HD2	20	0.83
(1,4504)	1:28:B:LYS:H	1:33:B:GLU:HB3	17	0.83
(1,4503)	1:28:A:LYS:H	1:33:A:GLU:HB3	17	0.83
(1,4482)	1:14:B:SER:H	1:79:B:LEU:HD13	7	0.83
(1,4394)	1:7:B:LYS:H	1:79:A:LEU:HD23	19	0.83
(1,4393)	1:7:A:LYS:H	1:79:B:LEU:HD23	19	0.83
(1,4388)	1:76:B:SER:H	1:13:B:VAL:HG13	10	0.83
(1,4387)	1:76:A:SER:H	1:13:A:VAL:HG13	10	0.83
(1,4380)	1:10:B:ASP:H	1:9:B:LEU:HD11	3	0.83
(1,4380)	1:10:B:ASP:H	1:9:B:LEU:HD12	13	0.83
(1,4379)	1:10:A:ASP:H	1:9:A:LEU:HD11	3	0.83
(1,4379)	1:10:A:ASP:H	1:9:A:LEU:HD11	14	0.83
(1,4370)	1:95:B:ASP:H	1:28:A:LYS:HE2	3	0.83
(1,4369)	1:95:A:ASP:H	1:28:B:LYS:HE2	3	0.83
(1,4360)	1:67:B:ASP:H	1:70:B:VAL:HG22	9	0.83
(1,4360)	1:67:B:ASP:H	1:70:B:VAL:HG21	12	0.83
(1,4359)	1:67:A:ASP:H	1:70:A:VAL:HG22	9	0.83
(1,4359)	1:67:A:ASP:H	1:70:A:VAL:HG21	12	0.83
(1,4350)	1:16:B:PHE:H	1:79:B:LEU:HD13	17	0.83
(1,4349)	1:16:A:PHE:H	1:79:A:LEU:HD13	17	0.83
(1,4332)	1:57:B:LYS:H	1:58:B:LEU:HD11	18	0.83
(1,4330)	1:58:B:LEU:H	1:58:B:LEU:HD13	1	0.83
(1,4194)	1:77:B:VAL:HA	1:83:A:ALA:HB2	14	0.83
(1,4064)	1:37:B:LEU:HD11	1:17:B:HIS:HA	17	0.83
(1,4063)	1:37:A:LEU:HD11	1:17:A:HIS:HA	17	0.83
(1,3971)	1:2:A:ALA:HA	1:11:B:VAL:HG11	4	0.83
(1,3944)	1:42:B:LEU:HB3	1:79:B:LEU:HD23	19	0.83
(1,3943)	1:42:A:LEU:HB3	1:79:A:LEU:HD23	19	0.83
(1,3917)	1:40:A:ARG:HD2	1:39:A:THR:HA	16	0.83
(1,3896)	1:38:B:LEU:HB2	1:36:B:GLU:HG3	20	0.83
(1,3895)	1:38:A:LEU:HB2	1:36:A:GLU:HG3	20	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3820)	1:79:B:LEU:HB2	1:79:A:LEU:HB2	3	0.83
(1,3819)	1:79:A:LEU:HB2	1:79:B:LEU:HB2	3	0.83
(1,3791)	1:61:A:ASN:HB3	1:81:A:SER:HB2	14	0.83
(1,3771)	1:85:A:MET:HG2	1:89:A:PHE:HB3	19	0.83
(1,3695)	1:56:A:GLN:HG2	1:55:A:PHE:HB3	15	0.83
(1,3690)	1:73:B:GLN:HG2	1:80:A:SER:HA	16	0.83
(1,3627)	1:59:A:MET:HB3	1:55:A:PHE:HB3	2	0.83
(1,3604)	1:31:B:LYS:HD3	1:35:B:LYS:H	12	0.83
(1,3603)	1:31:A:LYS:HD3	1:35:A:LYS:H	12	0.83
(1,3586)	1:88:B:GLU:HB2	1:91:B:GLU:HB2	3	0.83
(1,3585)	1:88:A:GLU:HB2	1:91:A:GLU:HB2	3	0.83
(1,3558)	1:40:B:ARG:HG2	1:36:B:GLU:HG2	1	0.83
(1,3557)	1:40:A:ARG:HG2	1:36:A:GLU:HG2	1	0.83
(1,3534)	1:98:B:PRO:HG2	1:99:B:ARG:HB2	15	0.83
(1,3522)	1:38:B:LEU:HD23	1:39:B:THR:H	8	0.83
(1,3521)	1:38:A:LEU:HD23	1:39:A:THR:H	8	0.83
(1,3521)	1:38:A:LEU:HD21	1:39:A:THR:H	10	0.83
(1,3494)	1:79:B:LEU:HD21	1:15:B:THR:HB	3	0.83
(1,3494)	1:79:B:LEU:HD22	1:15:B:THR:HB	8	0.83
(1,3493)	1:79:A:LEU:HD23	1:15:A:THR:HB	1	0.83
(1,3493)	1:79:A:LEU:HD21	1:15:A:THR:HB	3	0.83
(1,3460)	1:29:B:LEU:HD12	1:29:B:LEU:HA	2	0.83
(1,3460)	1:29:B:LEU:HD11	1:29:B:LEU:HA	4	0.83
(1,3460)	1:29:B:LEU:HD11	1:29:B:LEU:HA	8	0.83
(1,3460)	1:29:B:LEU:HD11	1:29:B:LEU:HA	11	0.83
(1,3460)	1:29:B:LEU:HD13	1:29:B:LEU:HA	17	0.83
(1,3460)	1:29:B:LEU:HD12	1:29:B:LEU:HA	19	0.83
(1,3459)	1:29:A:LEU:HD12	1:29:A:LEU:HA	2	0.83
(1,3459)	1:29:A:LEU:HD11	1:29:A:LEU:HA	4	0.83
(1,3459)	1:29:A:LEU:HD11	1:29:A:LEU:HA	8	0.83
(1,3459)	1:29:A:LEU:HD11	1:29:A:LEU:HA	11	0.83
(1,3459)	1:29:A:LEU:HD13	1:29:A:LEU:HA	17	0.83
(1,3459)	1:29:A:LEU:HD12	1:29:A:LEU:HA	19	0.83
(1,3364)	1:39:B:THR:HG22	1:37:B:LEU:HB3	8	0.83
(1,3364)	1:39:B:THR:HG23	1:37:B:LEU:HB3	19	0.83
(1,3363)	1:39:A:THR:HG22	1:37:A:LEU:HB3	8	0.83
(1,3352)	1:11:B:VAL:HG11	1:10:B:ASP:H	3	0.83
(1,3351)	1:11:A:VAL:HG11	1:10:A:ASP:H	3	0.83
(1,3317)	1:82:A:ILE:HG23	1:45:A:PHE:HA	19	0.83
(1,2786)	1:89:B:PHE:H	1:13:A:VAL:HG13	18	0.83
(1,2785)	1:89:A:PHE:H	1:13:B:VAL:HG12	7	0.83
(1,2556)	1:27:B:PHE:H	1:21:B:GLY:HA3	1	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2555)	1:27:A:PHE:H	1:21:A:GLY:HA3	1	0.83
(1,2210)	1:30:B:ASN:H	1:33:B:GLU:HB3	3	0.83
(1,2209)	1:30:A:ASN:H	1:33:A:GLU:HB3	3	0.83
(1,2164)	1:70:B:VAL:H	1:29:B:LEU:HB3	6	0.83
(1,2163)	1:70:A:VAL:H	1:29:A:LEU:HB3	6	0.83
(1,1922)	1:86:B:SER:HA	1:13:A:VAL:HG23	15	0.83
(1,1856)	1:19:B:TYR:HA	1:29:B:LEU:HD11	6	0.83
(1,1855)	1:19:A:TYR:HA	1:29:A:LEU:HD11	6	0.83
(1,1697)	1:9:A:LEU:HB3	1:10:A:ASP:HA	3	0.83
(1,1648)	1:49:B:ARG:HD2	1:49:B:ARG:HA	5	0.83
(1,1523)	1:47:A:GLY:HA3	1:48:A:LYS:HB3	1	0.83
(1,1338)	1:71:B:ASP:HB2	1:75:B:TYR:HB2	4	0.83
(1,1337)	1:71:A:ASP:HB2	1:75:A:TYR:HB2	4	0.83
(1,1337)	1:71:A:ASP:HB2	1:75:A:TYR:HB2	16	0.83
(1,1212)	1:28:B:LYS:HB3	1:70:B:VAL:HG12	6	0.83
(1,1212)	1:28:B:LYS:HB3	1:70:B:VAL:HG13	19	0.83
(1,1211)	1:28:A:LYS:HB3	1:70:A:VAL:HG12	6	0.83
(1,1211)	1:28:A:LYS:HB3	1:70:A:VAL:HG13	19	0.83
(1,1154)	1:30:B:ASN:HB3	1:31:B:LYS:HA	10	0.83
(1,1153)	1:30:A:ASN:HB3	1:31:A:LYS:HA	10	0.83
(1,1076)	1:31:B:LYS:HD3	1:52:B:GLU:HG2	18	0.83
(1,1076)	1:31:B:LYS:HD2	1:52:B:GLU:HG2	19	0.83
(1,1025)	1:41:A:GLU:HG3	1:40:A:ARG:HA	13	0.83
(1,898)	1:85:B:MET:HG2	1:85:B:MET:HA	10	0.83
(1,898)	1:85:B:MET:HG2	1:85:B:MET:HA	14	0.83
(1,898)	1:85:B:MET:HG2	1:85:B:MET:HA	19	0.83
(1,897)	1:85:A:MET:HG2	1:85:A:MET:HA	10	0.83
(1,897)	1:85:A:MET:HG2	1:85:A:MET:HA	19	0.83
(1,622)	1:29:B:LEU:HD21	1:70:B:VAL:HG13	19	0.83
(1,621)	1:29:A:LEU:HD21	1:70:A:VAL:HG13	19	0.83
(1,604)	1:40:B:ARG:HG2	1:36:B:GLU:HA	8	0.83
(1,603)	1:40:A:ARG:HG2	1:36:A:GLU:HA	8	0.83
(1,476)	1:28:B:LYS:HG2	1:25:B:ASP:HB2	17	0.83
(1,475)	1:28:A:LYS:HG2	1:25:A:ASP:HB2	17	0.83
(1,411)	1:39:A:THR:HG23	1:46:A:LEU:HD23	9	0.83
(1,393)	1:46:A:LEU:HD21	1:61:A:ASN:HD21	19	0.83
(1,242)	1:34:B:LEU:HD12	1:34:B:LEU:HB3	7	0.83
(1,242)	1:34:B:LEU:HD13	1:34:B:LEU:HB3	11	0.83
(1,241)	1:34:A:LEU:HD12	1:34:A:LEU:HB3	7	0.83
(1,241)	1:34:A:LEU:HD12	1:34:A:LEU:HB3	10	0.83
(1,241)	1:34:A:LEU:HD13	1:34:A:LEU:HB3	11	0.83
(1,126)	1:77:B:VAL:HG13	1:76:B:SER:H	2	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,126)	1:77:B:VAL:HG12	1:76:B:SER:H	5	0.83
(1,125)	1:77:A:VAL:HG13	1:76:A:SER:H	2	0.83
(1,125)	1:77:A:VAL:HG12	1:76:A:SER:H	5	0.83
(1,64)	1:82:B:ILE:HG21	1:13:A:VAL:HG23	6	0.83
(1,63)	1:82:A:ILE:HG23	1:13:B:VAL:HG23	13	0.83
(1,60)	1:82:B:ILE:HG23	1:85:B:MET:HG2	9	0.83
(1,60)	1:82:B:ILE:HG23	1:85:B:MET:HG2	18	0.83
(1,59)	1:82:A:ILE:HG23	1:85:A:MET:HG2	9	0.83
(1,59)	1:82:A:ILE:HG22	1:85:A:MET:HG2	11	0.83
(1,59)	1:82:A:ILE:HG23	1:85:A:MET:HG2	18	0.83
(1,7)	1:79:A:LEU:HD11	1:9:B:LEU:HD21	17	0.83
(1,1)	1:96:A:LYS:HD2	1:75:B:TYR:HB3	15	0.83
(2,35)	1:33:A:GLU:HB3	1:31:A:LYS:HA	16	0.82
(1,4596)	1:88:B:GLU:H	1:94:B:PRO:HG3	13	0.82
(1,4595)	1:88:A:GLU:H	1:94:A:PRO:HG3	13	0.82
(1,4584)	1:36:B:GLU:H	1:37:B:LEU:HD23	7	0.82
(1,4570)	1:30:B:ASN:HD22	1:37:B:LEU:HD12	8	0.82
(1,4570)	1:30:B:ASN:HD22	1:37:B:LEU:HD11	14	0.82
(1,4569)	1:30:A:ASN:HD22	1:37:A:LEU:HD11	14	0.82
(1,4524)	1:80:B:SER:H	1:79:B:LEU:HD23	6	0.82
(1,4524)	1:80:B:SER:H	1:79:B:LEU:HD21	10	0.82
(1,4524)	1:80:B:SER:H	1:79:B:LEU:HD22	15	0.82
(1,4523)	1:80:A:SER:H	1:79:A:LEU:HD23	6	0.82
(1,4523)	1:80:A:SER:H	1:79:A:LEU:HD21	10	0.82
(1,4523)	1:80:A:SER:H	1:79:A:LEU:HD22	15	0.82
(1,4517)	1:20:A:SER:H	1:26:A:LYS:HD2	20	0.82
(1,4481)	1:14:A:SER:H	1:79:A:LEU:HD13	7	0.82
(1,4477)	1:86:A:SER:H	1:13:B:VAL:HG11	11	0.82
(1,4379)	1:10:A:ASP:H	1:9:A:LEU:HD12	13	0.82
(1,4360)	1:67:B:ASP:H	1:70:B:VAL:HG22	2	0.82
(1,4359)	1:67:A:ASP:H	1:70:A:VAL:HG22	2	0.82
(1,4350)	1:16:B:PHE:H	1:79:B:LEU:HD12	9	0.82
(1,4349)	1:16:A:PHE:H	1:79:A:LEU:HD12	9	0.82
(1,4331)	1:57:A:LYS:H	1:34:A:LEU:HD21	7	0.82
(1,4329)	1:58:A:LEU:H	1:58:A:LEU:HD13	1	0.82
(1,4258)	1:30:B:ASN:H	1:28:B:LYS:HD2	7	0.82
(1,4257)	1:30:A:ASN:H	1:28:A:LYS:HD2	7	0.82
(1,4193)	1:77:A:VAL:HA	1:83:B:ALA:HB2	14	0.82
(1,4168)	1:76:B:SER:HB2	1:79:B:LEU:HB3	19	0.82
(1,4167)	1:76:A:SER:HB2	1:79:A:LEU:HB3	19	0.82
(1,4167)	1:76:A:SER:HB2	1:79:A:LEU:HB3	20	0.82
(1,4164)	1:14:B:SER:HB3	1:18:B:LYS:HD3	19	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4114)	1:75:B:TYR:HA	1:70:B:VAL:HG23	9	0.82
(1,4113)	1:75:A:TYR:HA	1:70:A:VAL:HG23	9	0.82
(1,3920)	1:40:B:ARG:HD3	1:19:B:TYR:HB3	19	0.82
(1,3919)	1:40:A:ARG:HD3	1:19:A:TYR:HB3	19	0.82
(1,3918)	1:40:B:ARG:HD2	1:39:B:THR:HA	11	0.82
(1,3918)	1:40:B:ARG:HD2	1:39:B:THR:HA	13	0.82
(1,3917)	1:40:A:ARG:HD2	1:39:A:THR:HA	11	0.82
(1,3917)	1:40:A:ARG:HD2	1:39:A:THR:HA	13	0.82
(1,3820)	1:79:B:LEU:HB2	1:79:A:LEU:HB2	17	0.82
(1,3819)	1:79:A:LEU:HB2	1:79:B:LEU:HB2	17	0.82
(1,3767)	1:84:A:MET:HB3	1:87:A:ASN:HB2	7	0.82
(1,3765)	1:87:A:ASN:HB3	1:89:A:PHE:HB2	16	0.82
(1,3696)	1:56:B:GLN:HG2	1:55:B:PHE:HB3	15	0.82
(1,3690)	1:73:B:GLN:HG2	1:81:A:SER:HB3	15	0.82
(1,3689)	1:73:A:GLN:HG2	1:81:B:SER:HB3	15	0.82
(1,3689)	1:73:A:GLN:HG2	1:80:B:SER:HA	16	0.82
(1,3628)	1:59:B:MET:HB3	1:55:B:PHE:HB3	1	0.82
(1,3628)	1:59:B:MET:HB3	1:55:B:PHE:HB3	2	0.82
(1,3628)	1:59:B:MET:HB3	1:55:B:PHE:HB3	16	0.82
(1,3627)	1:59:A:MET:HB3	1:55:A:PHE:HB3	1	0.82
(1,3627)	1:59:A:MET:HB3	1:55:A:PHE:HB3	16	0.82
(1,3576)	1:88:B:GLU:HB2	1:90:B:PHE:HB2	3	0.82
(1,3575)	1:88:A:GLU:HB2	1:90:A:PHE:HB2	3	0.82
(1,3538)	1:5:B:LEU:HG	1:79:A:LEU:HD11	17	0.82
(1,3537)	1:5:A:LEU:HG	1:79:B:LEU:HD11	1	0.82
(1,3533)	1:98:A:PRO:HG2	1:99:A:ARG:HB2	15	0.82
(1,3528)	1:5:B:LEU:HG	1:10:A:ASP:H	14	0.82
(1,3528)	1:5:B:LEU:HG	1:10:B:ASP:H	15	0.82
(1,3527)	1:5:A:LEU:HG	1:10:B:ASP:H	14	0.82
(1,3527)	1:5:A:LEU:HG	1:10:A:ASP:H	15	0.82
(1,3522)	1:38:B:LEU:HD23	1:39:B:THR:H	2	0.82
(1,3522)	1:38:B:LEU:HD21	1:39:B:THR:H	10	0.82
(1,3521)	1:38:A:LEU:HD23	1:39:A:THR:H	2	0.82
(1,3472)	1:31:B:LYS:HG3	1:34:B:LEU:HD22	4	0.82
(1,3471)	1:31:A:LYS:HG3	1:34:A:LEU:HD22	4	0.82
(1,3470)	1:48:B:LYS:HG2	1:46:B:LEU:HD22	8	0.82
(1,3460)	1:29:B:LEU:HD13	1:29:B:LEU:HA	3	0.82
(1,3460)	1:29:B:LEU:HD13	1:29:B:LEU:HA	13	0.82
(1,3460)	1:29:B:LEU:HD13	1:29:B:LEU:HA	14	0.82
(1,3460)	1:29:B:LEU:HD11	1:29:B:LEU:HA	16	0.82
(1,3459)	1:29:A:LEU:HD13	1:29:A:LEU:HA	3	0.82
(1,3459)	1:29:A:LEU:HD13	1:29:A:LEU:HA	13	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3459)	1:29:A:LEU:HD13	1:29:A:LEU:HA	14	0.82
(1,3450)	1:18:B:LYS:HG2	1:22:B:LYS:HB3	18	0.82
(1,3449)	1:18:A:LYS:HG2	1:22:A:LYS:HB3	18	0.82
(1,3364)	1:39:B:THR:HG22	1:37:B:LEU:HB3	9	0.82
(1,3363)	1:39:A:THR:HG22	1:37:A:LEU:HB3	9	0.82
(1,3363)	1:39:A:THR:HG23	1:37:A:LEU:HB3	19	0.82
(1,3334)	1:83:B:ALA:HB3	1:82:B:ILE:HG21	15	0.82
(1,3333)	1:83:A:ALA:HB3	1:82:A:ILE:HG21	15	0.82
(1,3164)	1:21:B:GLY:H	1:37:B:LEU:HD11	5	0.82
(1,3163)	1:21:A:GLY:H	1:37:A:LEU:HD11	5	0.82
(1,2393)	1:18:A:LYS:H	1:37:A:LEU:HD13	8	0.82
(1,1698)	1:9:B:LEU:HB3	1:10:B:ASP:HA	2	0.82
(1,1698)	1:9:B:LEU:HB3	1:10:B:ASP:HA	3	0.82
(1,1698)	1:9:B:LEU:HB3	1:10:B:ASP:HA	20	0.82
(1,1697)	1:9:A:LEU:HB3	1:10:A:ASP:HA	2	0.82
(1,1697)	1:9:A:LEU:HB3	1:10:A:ASP:HA	20	0.82
(1,1524)	1:47:B:GLY:HA3	1:48:B:LYS:HB3	12	0.82
(1,1504)	1:92:B:GLY:HA2	1:90:B:PHE:HB3	15	0.82
(1,1503)	1:92:A:GLY:HA2	1:90:A:PHE:HB3	15	0.82
(1,1204)	1:87:B:ASN:HB3	1:73:A:GLN:HG3	20	0.82
(1,1203)	1:87:A:ASN:HB3	1:73:B:GLN:HG3	20	0.82
(1,1154)	1:30:B:ASN:HB3	1:31:B:LYS:HA	18	0.82
(1,1153)	1:30:A:ASN:HB3	1:31:A:LYS:HA	18	0.82
(1,1142)	1:65:B:ASN:HB2	1:98:A:PRO:HB2	3	0.82
(1,1141)	1:65:A:ASN:HB2	1:98:B:PRO:HB2	3	0.82
(1,1068)	1:91:B:GLU:HG3	1:90:B:PHE:HB3	18	0.82
(1,1067)	1:91:A:GLU:HG3	1:90:A:PHE:HB3	18	0.82
(1,1026)	1:41:B:GLU:HG3	1:40:B:ARG:HA	12	0.82
(1,1026)	1:41:B:GLU:HG3	1:40:B:ARG:HA	13	0.82
(1,1025)	1:41:A:GLU:HG3	1:40:A:ARG:HA	12	0.82
(1,898)	1:85:B:MET:HG2	1:85:B:MET:HA	13	0.82
(1,897)	1:85:A:MET:HG2	1:85:A:MET:HA	13	0.82
(1,706)	1:88:B:GLU:HB2	1:96:B:LYS:HG3	13	0.82
(1,705)	1:88:A:GLU:HB2	1:96:A:LYS:HG3	13	0.82
(1,412)	1:39:B:THR:HG23	1:46:B:LEU:HD23	9	0.82
(1,242)	1:34:B:LEU:HD11	1:34:B:LEU:HB3	2	0.82
(1,242)	1:34:B:LEU:HD12	1:34:B:LEU:HB3	8	0.82
(1,242)	1:34:B:LEU:HD11	1:34:B:LEU:HB3	15	0.82
(1,242)	1:34:B:LEU:HD12	1:34:B:LEU:HB3	20	0.82
(1,241)	1:34:A:LEU:HD11	1:34:A:LEU:HB3	2	0.82
(1,241)	1:34:A:LEU:HD12	1:34:A:LEU:HB3	8	0.82
(1,241)	1:34:A:LEU:HD11	1:34:A:LEU:HB3	15	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,241)	1:34:A:LEU:HD12	1:34:A:LEU:HB3	16	0.82
(1,241)	1:34:A:LEU:HD12	1:34:A:LEU:HB3	20	0.82
(1,126)	1:77:B:VAL:HG13	1:76:B:SER:H	20	0.82
(1,125)	1:77:A:VAL:HG13	1:76:A:SER:H	20	0.82
(1,106)	1:83:B:ALA:HB3	1:82:B:ILE:HD13	13	0.82
(1,105)	1:83:A:ALA:HB3	1:82:A:ILE:HD13	13	0.82
(1,64)	1:82:B:ILE:HG23	1:13:A:VAL:HG23	13	0.82
(1,63)	1:82:A:ILE:HG22	1:13:B:VAL:HG22	14	0.82
(1,60)	1:82:B:ILE:HG21	1:85:B:MET:HG2	2	0.82
(1,59)	1:82:A:ILE:HG21	1:85:A:MET:HG2	2	0.82
(2,294)	1:21:B:GLY:H	1:26:B:LYS:HB3	12	0.81
(2,293)	1:21:A:GLY:H	1:26:A:LYS:HB3	12	0.81
(2,36)	1:33:B:GLU:HB3	1:31:B:LYS:HA	8	0.81
(2,36)	1:33:B:GLU:HB3	1:31:B:LYS:HA	16	0.81
(2,35)	1:33:A:GLU:HB3	1:31:A:LYS:HA	8	0.81
(1,4554)	1:56:B:GLN:HE21	1:34:B:LEU:HD23	20	0.81
(1,4553)	1:56:A:GLN:HE21	1:34:A:LEU:HD23	20	0.81
(1,4524)	1:80:B:SER:H	1:79:B:LEU:HD22	16	0.81
(1,4523)	1:80:A:SER:H	1:79:A:LEU:HD22	16	0.81
(1,4481)	1:14:A:SER:H	1:79:A:LEU:HD11	12	0.81
(1,4478)	1:86:B:SER:H	1:13:A:VAL:HG11	11	0.81
(1,4478)	1:85:B:MET:H	1:82:B:ILE:HG13	15	0.81
(1,4477)	1:85:A:MET:H	1:82:A:ILE:HG13	15	0.81
(1,4454)	1:69:B:GLU:H	1:28:B:LYS:HG3	10	0.81
(1,4453)	1:69:A:GLU:H	1:28:A:LYS:HG3	10	0.81
(1,4453)	1:69:A:GLU:H	1:31:A:LYS:HG2	12	0.81
(1,4448)	1:69:B:GLU:H	1:28:B:LYS:HA	13	0.81
(1,4447)	1:69:A:GLU:H	1:28:A:LYS:HA	13	0.81
(1,4410)	1:61:B:ASN:H	1:58:B:LEU:HD11	17	0.81
(1,4409)	1:61:A:ASN:H	1:58:A:LEU:HD11	17	0.81
(1,4380)	1:10:B:ASP:H	1:9:B:LEU:HD23	19	0.81
(1,4379)	1:10:A:ASP:H	1:9:A:LEU:HD23	19	0.81
(1,4359)	1:67:A:ASP:H	1:70:A:VAL:HG23	11	0.81
(1,4332)	1:57:B:LYS:H	1:34:B:LEU:HD21	7	0.81
(1,4330)	1:58:B:LEU:H	1:58:B:LEU:HD11	18	0.81
(1,4329)	1:58:A:LEU:H	1:58:A:LEU:HD11	18	0.81
(1,4324)	1:42:B:LEU:H	1:37:B:LEU:HD21	14	0.81
(1,4323)	1:42:A:LEU:H	1:37:A:LEU:HD21	14	0.81
(1,4198)	1:50:B:THR:HB	1:54:B:ALA:H	15	0.81
(1,4197)	1:50:A:THR:HB	1:54:A:ALA:H	15	0.81
(1,4194)	1:77:B:VAL:HA	1:83:A:ALA:HB2	2	0.81
(1,4168)	1:76:B:SER:HB2	1:79:B:LEU:HB3	20	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4114)	1:75:B:TYR:HA	1:70:B:VAL:HG23	8	0.81
(1,4114)	1:75:B:TYR:HA	1:70:B:VAL:HG23	18	0.81
(1,4113)	1:75:A:TYR:HA	1:70:A:VAL:HG23	8	0.81
(1,4113)	1:75:A:TYR:HA	1:70:A:VAL:HG21	14	0.81
(1,4113)	1:75:A:TYR:HA	1:70:A:VAL:HG23	18	0.81
(1,4064)	1:37:B:LEU:HD13	1:17:B:HIS:HA	6	0.81
(1,4063)	1:37:A:LEU:HD13	1:17:A:HIS:HA	6	0.81
(1,3914)	1:40:B:ARG:HD2	1:37:B:LEU:HD21	17	0.81
(1,3913)	1:40:A:ARG:HD2	1:37:A:LEU:HD21	17	0.81
(1,3909)	1:62:A:LEU:HB2	1:75:A:TYR:HB2	11	0.81
(1,3880)	1:51:B:ASP:HB3	1:56:B:GLN:HB3	5	0.81
(1,3879)	1:51:A:ASP:HB3	1:56:A:GLN:HB3	5	0.81
(1,3804)	1:16:B:PHE:HB2	1:70:B:VAL:HG11	14	0.81
(1,3803)	1:16:A:PHE:HB2	1:70:A:VAL:HG11	14	0.81
(1,3768)	1:84:B:MET:HB3	1:87:B:ASN:HB2	7	0.81
(1,3766)	1:87:B:ASN:HB3	1:89:B:PHE:HB2	16	0.81
(1,3690)	1:56:B:GLN:HG3	1:55:B:PHE:HA	9	0.81
(1,3689)	1:56:A:GLN:HG3	1:55:A:PHE:HA	9	0.81
(1,3676)	1:59:B:MET:HG2	1:31:B:LYS:HB3	3	0.81
(1,3675)	1:59:A:MET:HG2	1:31:A:LYS:HB3	3	0.81
(1,3634)	1:43:B:PRO:HB3	1:7:A:LYS:HG3	10	0.81
(1,3596)	1:11:B:VAL:HG21	1:7:B:LYS:HD3	9	0.81
(1,3595)	1:11:A:VAL:HG21	1:7:A:LYS:HD3	9	0.81
(1,3546)	1:29:B:LEU:HD22	1:22:B:LYS:HE2	3	0.81
(1,3545)	1:29:A:LEU:HD22	1:22:A:LYS:HE2	3	0.81
(1,3538)	1:5:B:LEU:HG	1:79:A:LEU:HD11	1	0.81
(1,3528)	1:5:B:LEU:HG	1:10:A:ASP:H	13	0.81
(1,3527)	1:5:A:LEU:HG	1:10:B:ASP:H	13	0.81
(1,3498)	1:79:B:LEU:HG	1:80:B:SER:HB2	1	0.81
(1,3497)	1:79:A:LEU:HG	1:80:A:SER:HB2	1	0.81
(1,3494)	1:79:B:LEU:HD23	1:15:B:THR:HB	13	0.81
(1,3493)	1:79:A:LEU:HD23	1:15:A:THR:HB	13	0.81
(1,3472)	1:31:B:LYS:HG3	1:34:B:LEU:HD22	14	0.81
(1,3471)	1:31:A:LYS:HG3	1:34:A:LEU:HD22	14	0.81
(1,3469)	1:48:A:LYS:HG2	1:46:A:LEU:HD22	8	0.81
(1,3460)	1:29:B:LEU:HD11	1:29:B:LEU:HA	18	0.81
(1,3459)	1:29:A:LEU:HD11	1:29:A:LEU:HA	16	0.81
(1,3459)	1:29:A:LEU:HD11	1:29:A:LEU:HA	18	0.81
(1,3364)	1:39:B:THR:HG21	1:37:B:LEU:HB3	15	0.81
(1,3344)	1:77:B:VAL:HG12	1:84:A:MET:HG2	12	0.81
(1,3343)	1:77:A:VAL:HG12	1:84:B:MET:HG2	12	0.81
(1,3334)	1:83:B:ALA:HB2	1:82:B:ILE:HG21	9	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3334)	1:83:B:ALA:HB2	1:82:B:ILE:HG21	20	0.81
(1,3333)	1:83:A:ALA:HB2	1:82:A:ILE:HG21	9	0.81
(1,3333)	1:83:A:ALA:HB2	1:82:A:ILE:HG21	20	0.81
(1,3318)	1:82:B:ILE:HG23	1:45:B:PHE:HA	6	0.81
(1,3317)	1:82:A:ILE:HG23	1:45:A:PHE:HA	6	0.81
(1,3294)	1:56:B:GLN:HE22	1:60:B:SER:HB2	8	0.81
(1,3163)	1:21:A:GLY:H	1:37:A:LEU:HD11	7	0.81
(1,3123)	1:73:A:GLN:HE22	1:78:A:PHE:HB2	15	0.81
(1,3046)	1:41:B:GLU:H	1:29:B:LEU:HD12	14	0.81
(1,3045)	1:41:A:GLU:H	1:29:A:LEU:HD12	14	0.81
(1,2720)	1:61:B:ASN:H	1:66:B:ARG:HD2	11	0.81
(1,2719)	1:61:A:ASN:H	1:66:A:ARG:HD2	11	0.81
(1,2626)	1:9:B:LEU:H	1:82:A:ILE:HD11	12	0.81
(1,2518)	1:58:B:LEU:H	1:62:B:LEU:HD13	15	0.81
(1,2517)	1:58:A:LEU:H	1:62:A:LEU:HD13	15	0.81
(1,2394)	1:18:B:LYS:H	1:37:B:LEU:HD13	8	0.81
(1,2394)	1:18:B:LYS:H	1:37:B:LEU:HD12	14	0.81
(1,2164)	1:70:B:VAL:H	1:29:B:LEU:HB3	7	0.81
(1,2164)	1:70:B:VAL:H	1:29:B:LEU:HB3	19	0.81
(1,2163)	1:70:A:VAL:H	1:29:A:LEU:HB3	7	0.81
(1,2163)	1:70:A:VAL:H	1:29:A:LEU:HB3	19	0.81
(1,2092)	1:26:B:LYS:H	1:21:B:GLY:HA3	13	0.81
(1,1921)	1:86:A:SER:HA	1:13:B:VAL:HG23	15	0.81
(1,1747)	1:88:A:GLU:HB3	1:85:A:MET:HA	7	0.81
(1,1698)	1:9:B:LEU:HB3	1:10:B:ASP:HA	19	0.81
(1,1697)	1:9:A:LEU:HB3	1:10:A:ASP:HA	19	0.81
(1,1610)	1:25:B:ASP:HB2	1:28:B:LYS:HA	16	0.81
(1,1524)	1:47:B:GLY:HA3	1:48:B:LYS:HB3	15	0.81
(1,1523)	1:47:A:GLY:HA3	1:48:A:LYS:HB3	12	0.81
(1,1523)	1:47:A:GLY:HA3	1:48:A:LYS:HB3	15	0.81
(1,1506)	1:92:B:GLY:HA3	1:91:B:GLU:HG3	1	0.81
(1,1505)	1:92:A:GLY:HA3	1:91:A:GLU:HG3	1	0.81
(1,1504)	1:92:B:GLY:HA2	1:90:B:PHE:HB3	6	0.81
(1,1504)	1:92:B:GLY:HA2	1:90:B:PHE:HB3	13	0.81
(1,1503)	1:92:A:GLY:HA2	1:90:A:PHE:HB3	6	0.81
(1,1503)	1:92:A:GLY:HA2	1:90:A:PHE:HB3	13	0.81
(1,1338)	1:71:B:ASP:HB2	1:75:B:TYR:HB3	8	0.81
(1,1337)	1:71:A:ASP:HB2	1:75:A:TYR:HB3	8	0.81
(1,559)	1:94:A:PRO:HG2	1:101:A:LYS:HE3	15	0.81
(1,536)	1:38:B:LEU:HD21	1:82:B:ILE:HD12	1	0.81
(1,535)	1:38:A:LEU:HD21	1:82:A:ILE:HD12	1	0.81
(1,416)	1:46:B:LEU:HD22	1:62:B:LEU:HD13	13	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,415)	1:46:A:LEU:HD22	1:62:A:LEU:HD13	13	0.81
(1,412)	1:39:B:THR:HG21	1:46:B:LEU:HD22	11	0.81
(1,411)	1:39:A:THR:HG21	1:46:A:LEU:HD22	11	0.81
(1,242)	1:34:B:LEU:HD12	1:34:B:LEU:HB3	14	0.81
(1,242)	1:34:B:LEU:HD12	1:34:B:LEU:HB3	16	0.81
(1,241)	1:34:A:LEU:HD12	1:34:A:LEU:HB3	1	0.81
(1,241)	1:34:A:LEU:HD12	1:34:A:LEU:HB3	14	0.81
(1,90)	1:54:B:ALA:HB2	1:52:B:GLU:HB2	2	0.81
(1,89)	1:54:A:ALA:HB2	1:52:A:GLU:HB2	2	0.81
(1,64)	1:82:B:ILE:HG22	1:13:A:VAL:HG22	14	0.81
(1,60)	1:82:B:ILE:HG22	1:85:B:MET:HG2	7	0.81
(1,59)	1:82:A:ILE:HG22	1:85:A:MET:HG2	7	0.81
(2,48)	1:23:B:GLU:HB3	1:33:B:GLU:HB2	14	0.8
(2,47)	1:23:A:GLU:HB3	1:33:A:GLU:HB2	14	0.8
(1,4482)	1:14:B:SER:H	1:79:B:LEU:HD11	12	0.8
(1,4478)	1:85:B:MET:H	1:82:B:ILE:HG13	7	0.8
(1,4477)	1:85:A:MET:H	1:82:A:ILE:HG13	7	0.8
(1,4454)	1:69:B:GLU:H	1:31:B:LYS:HG2	12	0.8
(1,4388)	1:76:B:SER:H	1:13:B:VAL:HG12	6	0.8
(1,4387)	1:76:A:SER:H	1:13:A:VAL:HG12	6	0.8
(1,4360)	1:67:B:ASP:H	1:70:B:VAL:HG23	11	0.8
(1,4360)	1:67:B:ASP:H	1:70:B:VAL:HG21	20	0.8
(1,4350)	1:16:B:PHE:H	1:79:B:LEU:HD11	2	0.8
(1,4350)	1:16:B:PHE:H	1:79:B:LEU:HD11	11	0.8
(1,4350)	1:16:B:PHE:H	1:79:B:LEU:HD12	15	0.8
(1,4349)	1:16:A:PHE:H	1:79:A:LEU:HD13	1	0.8
(1,4349)	1:16:A:PHE:H	1:79:A:LEU:HD11	2	0.8
(1,4349)	1:16:A:PHE:H	1:79:A:LEU:HD11	11	0.8
(1,4349)	1:16:A:PHE:H	1:79:A:LEU:HD12	15	0.8
(1,4348)	1:16:B:PHE:H	1:37:B:LEU:HD12	7	0.8
(1,4347)	1:16:A:PHE:H	1:37:A:LEU:HD12	7	0.8
(1,4346)	1:16:B:PHE:H	1:2:A:ALA:HB2	14	0.8
(1,4345)	1:16:A:PHE:H	1:2:B:ALA:HB2	14	0.8
(1,4332)	1:57:B:LYS:H	1:58:B:LEU:HD13	1	0.8
(1,4332)	1:57:B:LYS:H	1:34:B:LEU:HD21	6	0.8
(1,4332)	1:57:B:LYS:H	1:34:B:LEU:HD21	8	0.8
(1,4331)	1:57:A:LYS:H	1:58:A:LEU:HD13	1	0.8
(1,4331)	1:57:A:LYS:H	1:34:A:LEU:HD21	6	0.8
(1,4331)	1:57:A:LYS:H	1:34:A:LEU:HD21	8	0.8
(1,4324)	1:42:B:LEU:H	1:37:B:LEU:HD23	15	0.8
(1,4323)	1:42:A:LEU:H	1:37:A:LEU:HD23	15	0.8
(1,4196)	1:77:B:VAL:HA	1:79:B:LEU:HD12	1	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4195)	1:77:A:VAL:HA	1:79:A:LEU:HD12	1	0.8
(1,4193)	1:77:A:VAL:HA	1:83:B:ALA:HB2	2	0.8
(1,4114)	1:75:B:TYR:HA	1:70:B:VAL:HG21	14	0.8
(1,3918)	1:40:B:ARG:HD3	1:39:B:THR:HA	12	0.8
(1,3917)	1:40:A:ARG:HD3	1:39:A:THR:HA	12	0.8
(1,3910)	1:62:B:LEU:HB2	1:75:B:TYR:HB2	11	0.8
(1,3896)	1:43:B:PRO:HB3	1:46:B:LEU:HB2	19	0.8
(1,3894)	1:79:B:LEU:HD21	1:37:B:LEU:HB3	14	0.8
(1,3893)	1:79:A:LEU:HD21	1:37:A:LEU:HB3	14	0.8
(1,3804)	1:16:B:PHE:HB2	1:79:B:LEU:HG	6	0.8
(1,3803)	1:16:A:PHE:HB2	1:79:A:LEU:HG	6	0.8
(1,3772)	1:85:B:MET:HG2	1:89:B:PHE:HB3	20	0.8
(1,3771)	1:85:A:MET:HG2	1:89:A:PHE:HB3	20	0.8
(1,3706)	1:23:B:GLU:HB3	1:33:B:GLU:HB2	14	0.8
(1,3705)	1:23:A:GLU:HB3	1:33:A:GLU:HB2	14	0.8
(1,3628)	1:59:B:MET:HB3	1:55:B:PHE:HB3	8	0.8
(1,3627)	1:59:A:MET:HB3	1:55:A:PHE:HB3	8	0.8
(1,3604)	1:31:B:LYS:HD3	1:35:B:LYS:H	2	0.8
(1,3604)	1:31:B:LYS:HD3	1:35:B:LYS:H	10	0.8
(1,3603)	1:31:A:LYS:HD3	1:35:A:LYS:H	2	0.8
(1,3603)	1:31:A:LYS:HD3	1:35:A:LYS:H	10	0.8
(1,3558)	1:40:B:ARG:HG2	1:36:B:GLU:HG2	10	0.8
(1,3557)	1:40:A:ARG:HG2	1:36:A:GLU:HG2	10	0.8
(1,3522)	1:38:B:LEU:HD23	1:35:B:LYS:H	18	0.8
(1,3521)	1:38:A:LEU:HD23	1:35:A:LYS:H	18	0.8
(1,3494)	1:79:B:LEU:HD21	1:15:B:THR:HB	15	0.8
(1,3493)	1:79:A:LEU:HD21	1:15:A:THR:HB	15	0.8
(1,3460)	1:29:B:LEU:HD11	1:29:B:LEU:HA	7	0.8
(1,3460)	1:29:B:LEU:HD11	1:29:B:LEU:HA	9	0.8
(1,3460)	1:29:B:LEU:HD11	1:29:B:LEU:HA	20	0.8
(1,3459)	1:29:A:LEU:HD11	1:29:A:LEU:HA	7	0.8
(1,3459)	1:29:A:LEU:HD11	1:29:A:LEU:HA	9	0.8
(1,3459)	1:29:A:LEU:HD11	1:29:A:LEU:HA	20	0.8
(1,3363)	1:39:A:THR:HG21	1:37:A:LEU:HB3	15	0.8
(1,3344)	1:77:B:VAL:HG12	1:84:A:MET:HG3	9	0.8
(1,3343)	1:77:A:VAL:HG12	1:84:B:MET:HG3	9	0.8
(1,3334)	1:83:B:ALA:HB3	1:82:B:ILE:HG23	12	0.8
(1,3333)	1:83:A:ALA:HB3	1:82:A:ILE:HG23	12	0.8
(1,3318)	1:82:B:ILE:HG22	1:45:B:PHE:HA	17	0.8
(1,3317)	1:82:A:ILE:HG22	1:45:A:PHE:HA	17	0.8
(1,3293)	1:56:A:GLN:HE22	1:60:A:SER:HB2	8	0.8
(1,3164)	1:21:B:GLY:H	1:37:B:LEU:HD11	7	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3164)	1:21:B:GLY:H	1:37:B:LEU:HD11	15	0.8
(1,3163)	1:21:A:GLY:H	1:37:A:LEU:HD11	15	0.8
(1,3124)	1:73:B:GLN:HE22	1:78:B:PHE:HB2	15	0.8
(1,3085)	1:65:A:ASN:HD22	1:98:B:PRO:HG3	8	0.8
(1,2720)	1:61:B:ASN:H	1:66:B:ARG:HD2	18	0.8
(1,2719)	1:61:A:ASN:H	1:66:A:ARG:HD2	18	0.8
(1,2625)	1:9:A:LEU:H	1:82:B:ILE:HD11	12	0.8
(1,2393)	1:18:A:LYS:H	1:37:A:LEU:HD12	14	0.8
(1,2092)	1:26:B:LYS:H	1:21:B:GLY:HA3	20	0.8
(1,2091)	1:26:A:LYS:H	1:21:A:GLY:HA3	13	0.8
(1,2091)	1:26:A:LYS:H	1:21:A:GLY:HA3	20	0.8
(1,2074)	1:15:B:THR:HA	1:5:A:LEU:HD23	1	0.8
(1,2073)	1:15:A:THR:HA	1:5:B:LEU:HD23	1	0.8
(1,1856)	1:19:B:TYR:HA	1:29:B:LEU:HD13	7	0.8
(1,1855)	1:19:A:TYR:HA	1:29:A:LEU:HD13	7	0.8
(1,1748)	1:88:B:GLU:HB3	1:85:B:MET:HA	7	0.8
(1,1698)	1:9:B:LEU:HB3	1:10:B:ASP:HA	4	0.8
(1,1697)	1:9:A:LEU:HB3	1:10:A:ASP:HA	4	0.8
(1,1609)	1:25:A:ASP:HB2	1:28:A:LYS:HA	16	0.8
(1,1523)	1:47:A:GLY:HA3	1:48:A:LYS:HB3	20	0.8
(1,1356)	1:22:B:LYS:HE3	1:22:B:LYS:HB3	9	0.8
(1,1212)	1:28:B:LYS:HB3	1:70:B:VAL:HG11	4	0.8
(1,1211)	1:28:A:LYS:HB3	1:70:A:VAL:HG11	4	0.8
(1,1026)	1:41:B:GLU:HG3	1:40:B:ARG:HA	3	0.8
(1,1025)	1:41:A:GLU:HG3	1:40:A:ARG:HA	3	0.8
(1,943)	1:59:A:MET:HG3	1:31:A:LYS:HE2	14	0.8
(1,840)	1:59:B:MET:HB3	1:62:B:LEU:HD13	3	0.8
(1,839)	1:59:A:MET:HB3	1:62:A:LEU:HD13	3	0.8
(1,622)	1:29:B:LEU:HD23	1:70:B:VAL:HG11	14	0.8
(1,621)	1:29:A:LEU:HD23	1:70:A:VAL:HG11	14	0.8
(1,560)	1:94:B:PRO:HG2	1:101:B:LYS:HE3	15	0.8
(1,556)	1:95:B:ASP:H	1:99:B:ARG:HG2	15	0.8
(1,555)	1:95:A:ASP:H	1:99:A:ARG:HG2	15	0.8
(1,416)	1:46:B:LEU:HD21	1:62:B:LEU:HD13	15	0.8
(1,416)	1:46:B:LEU:HD22	1:62:B:LEU:HD13	17	0.8
(1,415)	1:46:A:LEU:HD21	1:62:A:LEU:HD13	15	0.8
(1,415)	1:46:A:LEU:HD22	1:62:A:LEU:HD13	17	0.8
(1,242)	1:34:B:LEU:HD12	1:34:B:LEU:HB3	1	0.8
(1,242)	1:34:B:LEU:HD13	1:34:B:LEU:HB3	4	0.8
(1,241)	1:34:A:LEU:HD13	1:34:A:LEU:HB3	4	0.8
(1,126)	1:77:B:VAL:HG11	1:76:B:SER:H	7	0.8
(1,125)	1:77:A:VAL:HG11	1:76:A:SER:H	7	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,124)	1:2:B:ALA:HB1	1:5:B:LEU:HD13	17	0.8
(1,123)	1:2:A:ALA:HB1	1:5:A:LEU:HD13	17	0.8
(1,106)	1:83:B:ALA:HB1	1:82:B:ILE:HD12	18	0.8
(1,105)	1:83:A:ALA:HB1	1:82:A:ILE:HD12	18	0.8
(1,94)	1:54:B:ALA:HB2	1:46:B:LEU:HB3	10	0.8
(1,93)	1:54:A:ALA:HB2	1:46:A:LEU:HB3	10	0.8
(1,60)	1:82:B:ILE:HG23	1:85:B:MET:HG2	1	0.8
(1,59)	1:82:A:ILE:HG23	1:85:A:MET:HG2	1	0.8
(1,10)	1:5:B:LEU:HD12	1:15:A:THR:HB	15	0.8
(1,9)	1:5:A:LEU:HD12	1:15:B:THR:HB	15	0.8
(2,293)	1:21:A:GLY:H	1:26:A:LYS:HB3	7	0.79
(2,286)	1:65:B:ASN:HD21	1:68:B:ASN:HD21	15	0.79
(2,46)	1:59:B:MET:HG3	1:66:B:ARG:HD2	5	0.79
(2,45)	1:59:A:MET:HG3	1:66:A:ARG:HD2	5	0.79
(1,4596)	1:88:B:GLU:H	1:94:B:PRO:HG3	6	0.79
(1,4595)	1:88:A:GLU:H	1:94:A:PRO:HG3	6	0.79
(1,4553)	1:56:A:GLN:HE21	1:34:A:LEU:HD22	13	0.79
(1,4524)	1:80:B:SER:H	1:79:B:LEU:HD12	1	0.79
(1,4523)	1:80:A:SER:H	1:79:A:LEU:HD12	1	0.79
(1,4502)	1:87:B:ASN:HD21	1:89:B:PHE:HA	7	0.79
(1,4458)	1:68:B:ASN:H	1:66:B:ARG:HB2	8	0.79
(1,4457)	1:68:A:ASN:H	1:66:A:ARG:HB2	8	0.79
(1,4453)	1:69:A:GLU:H	1:28:A:LYS:HG3	8	0.79
(1,4434)	1:38:B:LEU:H	1:55:B:PHE:HB3	6	0.79
(1,4433)	1:38:A:LEU:H	1:55:A:PHE:HB3	3	0.79
(1,4433)	1:38:A:LEU:H	1:55:A:PHE:HB3	6	0.79
(1,4421)	1:46:A:LEU:H	1:7:B:LYS:HD2	7	0.79
(1,4392)	1:7:B:LYS:H	1:42:A:LEU:HD22	13	0.79
(1,4391)	1:7:A:LYS:H	1:42:B:LEU:HD22	13	0.79
(1,4390)	1:76:B:SER:H	1:79:B:LEU:HD11	15	0.79
(1,4389)	1:76:A:SER:H	1:79:A:LEU:HD11	15	0.79
(1,4380)	1:10:B:ASP:H	1:9:B:LEU:HD21	4	0.79
(1,4379)	1:10:A:ASP:H	1:9:A:LEU:HD21	4	0.79
(1,4359)	1:67:A:ASP:H	1:70:A:VAL:HG21	19	0.79
(1,4359)	1:67:A:ASP:H	1:70:A:VAL:HG21	20	0.79
(1,4350)	1:16:B:PHE:H	1:79:B:LEU:HD13	1	0.79
(1,4350)	1:16:B:PHE:H	1:79:B:LEU:HD11	7	0.79
(1,4349)	1:16:A:PHE:H	1:79:A:LEU:HD11	7	0.79
(1,4332)	1:57:B:LYS:H	1:34:B:LEU:HD23	14	0.79
(1,4331)	1:57:A:LYS:H	1:34:A:LEU:HD23	14	0.79
(1,4326)	1:42:B:LEU:H	1:79:B:LEU:HD22	20	0.79
(1,4325)	1:42:A:LEU:H	1:79:A:LEU:HD22	20	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4324)	1:42:B:LEU:H	1:37:B:LEU:HD23	1	0.79
(1,4323)	1:42:A:LEU:H	1:37:A:LEU:HD23	1	0.79
(1,4258)	1:30:B:ASN:H	1:28:B:LYS:HD2	14	0.79
(1,4257)	1:30:A:ASN:H	1:28:A:LYS:HD2	14	0.79
(1,4200)	1:50:B:THR:HB	1:49:B:ARG:HD2	19	0.79
(1,4199)	1:50:A:THR:HB	1:49:A:ARG:HD2	19	0.79
(1,4163)	1:14:A:SER:HB3	1:18:A:LYS:HD3	14	0.79
(1,4016)	1:41:B:GLU:HA	1:37:B:LEU:HD22	2	0.79
(1,4015)	1:41:A:GLU:HA	1:37:A:LEU:HD22	2	0.79
(1,3959)	1:99:A:ARG:HD3	1:98:A:PRO:HD2	12	0.79
(1,3896)	1:38:B:LEU:HB2	1:36:B:GLU:HG3	6	0.79
(1,3895)	1:38:A:LEU:HB2	1:36:A:GLU:HG3	6	0.79
(1,3895)	1:43:A:PRO:HB3	1:46:A:LEU:HB2	19	0.79
(1,3880)	1:51:B:ASP:HB3	1:56:B:GLN:HB3	14	0.79
(1,3879)	1:51:A:ASP:HB3	1:56:A:GLN:HB3	14	0.79
(1,3766)	1:87:B:ASN:HB3	1:89:B:PHE:HB3	5	0.79
(1,3765)	1:87:A:ASN:HB3	1:89:A:PHE:HB3	5	0.79
(1,3756)	1:70:B:VAL:HG23	1:74:B:GLU:HG3	17	0.79
(1,3755)	1:70:A:VAL:HG23	1:74:A:GLU:HG3	17	0.79
(1,3634)	1:43:B:PRO:HB3	1:46:B:LEU:HB2	9	0.79
(1,3633)	1:43:A:PRO:HB3	1:46:A:LEU:HB2	9	0.79
(1,3633)	1:43:A:PRO:HB3	1:7:B:LYS:HG3	10	0.79
(1,3628)	1:59:B:MET:HB3	1:55:B:PHE:HB3	3	0.79
(1,3575)	1:88:A:GLU:HB2	1:90:A:PHE:HB3	1	0.79
(1,3498)	1:79:B:LEU:HG	1:80:B:SER:HB2	5	0.79
(1,3497)	1:79:A:LEU:HG	1:80:A:SER:HB2	5	0.79
(1,3497)	1:79:A:LEU:HG	1:80:B:SER:HB3	7	0.79
(1,3472)	1:31:B:LYS:HG3	1:34:B:LEU:HD21	2	0.79
(1,3472)	1:31:B:LYS:HG3	1:34:B:LEU:HD23	12	0.79
(1,3471)	1:31:A:LYS:HG3	1:34:A:LEU:HD21	2	0.79
(1,3471)	1:31:A:LYS:HG3	1:34:A:LEU:HD23	12	0.79
(1,3460)	1:29:B:LEU:HD13	1:29:B:LEU:HA	1	0.79
(1,3460)	1:29:B:LEU:HD13	1:29:B:LEU:HA	6	0.79
(1,3460)	1:29:B:LEU:HD13	1:29:B:LEU:HA	12	0.79
(1,3459)	1:29:A:LEU:HD13	1:29:A:LEU:HA	1	0.79
(1,3459)	1:29:A:LEU:HD13	1:29:A:LEU:HA	6	0.79
(1,3459)	1:29:A:LEU:HD13	1:29:A:LEU:HA	12	0.79
(1,3352)	1:11:B:VAL:HG11	1:10:B:ASP:H	18	0.79
(1,3351)	1:11:A:VAL:HG11	1:10:A:ASP:H	18	0.79
(1,3317)	1:82:A:ILE:HG23	1:45:A:PHE:HA	15	0.79
(1,3086)	1:65:B:ASN:HD22	1:98:A:PRO:HG3	8	0.79
(1,2708)	1:15:B:THR:H	1:16:B:PHE:HB3	17	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2707)	1:15:A:THR:H	1:16:A:PHE:HB3	17	0.79
(1,2626)	1:9:B:LEU:H	1:82:A:ILE:HD11	1	0.79
(1,2625)	1:9:A:LEU:H	1:82:B:ILE:HD11	1	0.79
(1,2394)	1:18:B:LYS:H	1:37:B:LEU:HD13	2	0.79
(1,2393)	1:18:A:LYS:H	1:37:A:LEU:HD13	2	0.79
(1,2134)	1:25:B:ASP:H	1:28:B:LYS:HG2	17	0.79
(1,2133)	1:25:A:ASP:H	1:28:A:LYS:HG2	17	0.79
(1,1748)	1:88:B:GLU:HB3	1:85:B:MET:HA	12	0.79
(1,1747)	1:88:A:GLU:HB3	1:85:A:MET:HA	12	0.79
(1,1698)	1:9:B:LEU:HB3	1:10:B:ASP:HA	8	0.79
(1,1698)	1:9:B:LEU:HB3	1:10:B:ASP:HA	15	0.79
(1,1697)	1:9:A:LEU:HB3	1:10:A:ASP:HA	8	0.79
(1,1524)	1:47:B:GLY:HA3	1:48:B:LYS:HB3	14	0.79
(1,1524)	1:47:B:GLY:HA3	1:48:B:LYS:HB3	20	0.79
(1,1523)	1:47:A:GLY:HA3	1:48:A:LYS:HB3	14	0.79
(1,1338)	1:71:B:ASP:HB2	1:75:B:TYR:HB2	13	0.79
(1,1337)	1:71:A:ASP:HB2	1:75:A:TYR:HB2	13	0.79
(1,1212)	1:28:B:LYS:HB3	1:70:B:VAL:HG13	10	0.79
(1,1212)	1:28:B:LYS:HB3	1:70:B:VAL:HG11	15	0.79
(1,1211)	1:28:A:LYS:HB3	1:70:A:VAL:HG13	10	0.79
(1,1211)	1:28:A:LYS:HB3	1:70:A:VAL:HG11	15	0.79
(1,1198)	1:87:B:ASN:HB2	1:76:A:SER:HB2	9	0.79
(1,1198)	1:87:B:ASN:HB2	1:76:A:SER:HB3	15	0.79
(1,1154)	1:30:B:ASN:HB3	1:31:B:LYS:HA	11	0.79
(1,1153)	1:30:A:ASN:HB3	1:31:A:LYS:HA	11	0.79
(1,1026)	1:41:B:GLU:HG3	1:40:B:ARG:HA	11	0.79
(1,1025)	1:41:A:GLU:HG3	1:40:A:ARG:HA	11	0.79
(1,952)	1:79:B:LEU:HD13	1:12:B:MET:HB2	8	0.79
(1,951)	1:79:A:LEU:HD13	1:12:A:MET:HB2	8	0.79
(1,944)	1:59:B:MET:HG3	1:31:B:LYS:HE2	14	0.79
(1,906)	1:31:B:LYS:HB3	1:35:B:LYS:HE3	6	0.79
(1,840)	1:59:B:MET:HB3	1:62:B:LEU:HD12	1	0.79
(1,839)	1:59:A:MET:HB3	1:62:A:LEU:HD12	1	0.79
(1,838)	1:34:B:LEU:HD23	1:59:B:MET:HB3	19	0.79
(1,706)	1:88:B:GLU:HB2	1:96:B:LYS:HG3	7	0.79
(1,705)	1:88:A:GLU:HB2	1:96:A:LYS:HG3	7	0.79
(1,622)	1:29:B:LEU:HD23	1:70:B:VAL:HG13	9	0.79
(1,622)	1:29:B:LEU:HD23	1:70:B:VAL:HG13	10	0.79
(1,622)	1:29:B:LEU:HD21	1:70:B:VAL:HG11	11	0.79
(1,621)	1:29:A:LEU:HD23	1:70:A:VAL:HG13	10	0.79
(1,600)	1:37:B:LEU:HD11	1:34:B:LEU:HA	6	0.79
(1,599)	1:37:A:LEU:HD11	1:34:A:LEU:HA	6	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,460)	1:46:B:LEU:HD22	1:82:B:ILE:HD11	3	0.79
(1,416)	1:46:B:LEU:HD23	1:62:B:LEU:HD13	2	0.79
(1,416)	1:46:B:LEU:HD22	1:62:B:LEU:HD12	18	0.79
(1,415)	1:46:A:LEU:HD23	1:62:A:LEU:HD13	2	0.79
(1,412)	1:39:B:THR:HG23	1:46:B:LEU:HD23	20	0.79
(1,411)	1:39:A:THR:HG23	1:46:A:LEU:HD23	20	0.79
(1,394)	1:46:B:LEU:HD21	1:61:B:ASN:HD21	5	0.79
(1,393)	1:46:A:LEU:HD21	1:61:A:ASN:HD21	5	0.79
(1,241)	1:34:A:LEU:HD11	1:34:A:LEU:HB3	3	0.79
(1,106)	1:83:B:ALA:HB3	1:82:B:ILE:HD11	2	0.79
(1,105)	1:83:A:ALA:HB3	1:82:A:ILE:HD11	2	0.79
(1,90)	1:54:B:ALA:HB2	1:52:B:GLU:HB2	20	0.79
(1,89)	1:54:A:ALA:HB2	1:52:A:GLU:HB2	1	0.79
(1,89)	1:54:A:ALA:HB2	1:52:A:GLU:HB2	20	0.79
(2,294)	1:21:B:GLY:H	1:26:B:LYS:HB3	7	0.78
(2,285)	1:65:A:ASN:HD21	1:68:A:ASN:HD21	15	0.78
(2,276)	1:20:B:SER:H	1:29:B:LEU:HB2	4	0.78
(2,275)	1:20:A:SER:H	1:29:A:LEU:HB2	4	0.78
(1,4596)	1:88:B:GLU:H	1:94:B:PRO:HG3	1	0.78
(1,4595)	1:88:A:GLU:H	1:94:A:PRO:HG3	1	0.78
(1,4570)	1:30:B:ASN:HD22	1:34:B:LEU:HD11	17	0.78
(1,4569)	1:30:A:ASN:HD22	1:34:A:LEU:HD11	17	0.78
(1,4554)	1:56:B:GLN:HE21	1:34:B:LEU:HD22	13	0.78
(1,4502)	1:87:B:ASN:HD21	1:89:B:PHE:HA	12	0.78
(1,4501)	1:87:A:ASN:HD21	1:89:A:PHE:HA	7	0.78
(1,4454)	1:69:B:GLU:H	1:28:B:LYS:HG3	8	0.78
(1,4434)	1:38:B:LEU:H	1:55:B:PHE:HB3	3	0.78
(1,4422)	1:46:B:LEU:H	1:7:A:LYS:HD2	7	0.78
(1,4400)	1:72:B:PHE:H	1:13:B:VAL:HG13	2	0.78
(1,4399)	1:72:A:PHE:H	1:13:A:VAL:HG13	2	0.78
(1,4388)	1:76:B:SER:H	1:13:B:VAL:HG12	12	0.78
(1,4387)	1:76:A:SER:H	1:13:A:VAL:HG12	12	0.78
(1,4380)	1:10:B:ASP:H	1:9:B:LEU:HD22	17	0.78
(1,4370)	1:95:B:ASP:H	1:27:A:PHE:HB2	14	0.78
(1,4369)	1:95:A:ASP:H	1:27:B:PHE:HB2	14	0.78
(1,4360)	1:67:B:ASP:H	1:70:B:VAL:HG21	19	0.78
(1,4350)	1:16:B:PHE:H	1:79:B:LEU:HD12	16	0.78
(1,4349)	1:16:A:PHE:H	1:79:A:LEU:HD12	16	0.78
(1,4325)	1:42:A:LEU:H	1:79:A:LEU:HD21	11	0.78
(1,4198)	1:50:B:THR:HB	1:39:B:THR:H	9	0.78
(1,4198)	1:50:B:THR:HB	1:54:B:ALA:H	11	0.78
(1,4197)	1:50:A:THR:HB	1:39:A:THR:H	9	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4197)	1:50:A:THR:HB	1:54:A:ALA:H	11	0.78
(1,4168)	1:76:B:SER:HB2	1:79:B:LEU:HB3	5	0.78
(1,4167)	1:76:A:SER:HB2	1:79:A:LEU:HB3	5	0.78
(1,4114)	1:75:B:TYR:HA	1:70:B:VAL:HG23	2	0.78
(1,4114)	1:75:B:TYR:HA	1:70:B:VAL:HG23	5	0.78
(1,4113)	1:75:A:TYR:HA	1:70:A:VAL:HG23	2	0.78
(1,4113)	1:75:A:TYR:HA	1:70:A:VAL:HG23	5	0.78
(1,4064)	1:37:B:LEU:HD11	1:17:B:HIS:HA	4	0.78
(1,4063)	1:37:A:LEU:HD11	1:17:A:HIS:HA	4	0.78
(1,4016)	1:41:B:GLU:HA	1:37:B:LEU:HD23	8	0.78
(1,3960)	1:99:B:ARG:HD3	1:98:B:PRO:HD2	12	0.78
(1,3944)	1:42:B:LEU:HB3	1:79:B:LEU:HD23	17	0.78
(1,3943)	1:42:A:LEU:HB3	1:79:A:LEU:HD23	17	0.78
(1,3920)	1:40:B:ARG:HD2	1:19:B:TYR:HB3	10	0.78
(1,3919)	1:40:A:ARG:HD2	1:19:A:TYR:HB3	10	0.78
(1,3918)	1:40:B:ARG:HD2	1:39:B:THR:HA	5	0.78
(1,3918)	1:40:B:ARG:HD3	1:39:B:THR:HA	18	0.78
(1,3917)	1:40:A:ARG:HD2	1:39:A:THR:HA	5	0.78
(1,3917)	1:40:A:ARG:HD3	1:39:A:THR:HA	18	0.78
(1,3848)	1:9:B:LEU:HB2	1:79:A:LEU:HD11	1	0.78
(1,3847)	1:9:A:LEU:HB2	1:79:B:LEU:HD11	1	0.78
(1,3634)	1:43:B:PRO:HB3	1:46:B:LEU:HB2	8	0.78
(1,3633)	1:43:A:PRO:HB3	1:7:B:LYS:HG3	2	0.78
(1,3633)	1:43:A:PRO:HB3	1:46:A:LEU:HB2	8	0.78
(1,3627)	1:59:A:MET:HB3	1:55:A:PHE:HB3	3	0.78
(1,3620)	1:17:B:HIS:HB2	1:13:B:VAL:HG12	3	0.78
(1,3620)	1:17:B:HIS:HB2	1:13:B:VAL:HG11	10	0.78
(1,3619)	1:17:A:HIS:HB2	1:13:A:VAL:HG12	3	0.78
(1,3619)	1:17:A:HIS:HB2	1:13:A:VAL:HG11	10	0.78
(1,3576)	1:88:B:GLU:HB2	1:90:B:PHE:HB3	1	0.78
(1,3558)	1:40:B:ARG:HG2	1:36:B:GLU:HG2	13	0.78
(1,3557)	1:40:A:ARG:HG2	1:36:A:GLU:HG2	19	0.78
(1,3544)	1:29:B:LEU:HD21	1:27:B:PHE:HA	17	0.78
(1,3543)	1:29:A:LEU:HD21	1:27:A:PHE:HA	17	0.78
(1,3498)	1:79:B:LEU:HG	1:80:A:SER:HB3	7	0.78
(1,3460)	1:29:B:LEU:HD11	1:29:B:LEU:HA	10	0.78
(1,3460)	1:29:B:LEU:HD12	1:29:B:LEU:HA	15	0.78
(1,3459)	1:29:A:LEU:HD11	1:29:A:LEU:HA	10	0.78
(1,3459)	1:29:A:LEU:HD12	1:29:A:LEU:HA	15	0.78
(1,3334)	1:83:B:ALA:HB3	1:82:B:ILE:HG23	11	0.78
(1,3333)	1:83:A:ALA:HB3	1:82:A:ILE:HG23	11	0.78
(1,3318)	1:82:B:ILE:HG21	1:45:B:PHE:HA	2	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3318)	1:82:B:ILE:HG23	1:45:B:PHE:HA	10	0.78
(1,3318)	1:82:B:ILE:HG23	1:45:B:PHE:HA	15	0.78
(1,3317)	1:82:A:ILE:HG21	1:45:A:PHE:HA	2	0.78
(1,3317)	1:82:A:ILE:HG23	1:45:A:PHE:HA	10	0.78
(1,3312)	1:82:B:ILE:HD13	1:10:A:ASP:HB2	1	0.78
(1,3312)	1:82:B:ILE:HD11	1:10:A:ASP:HB2	8	0.78
(1,3312)	1:82:B:ILE:HD12	1:10:A:ASP:HB2	14	0.78
(1,3311)	1:82:A:ILE:HD13	1:10:B:ASP:HB2	1	0.78
(1,3311)	1:82:A:ILE:HD11	1:10:B:ASP:HB2	8	0.78
(1,3311)	1:82:A:ILE:HD12	1:10:B:ASP:HB2	14	0.78
(1,3164)	1:21:B:GLY:H	1:37:B:LEU:HD12	19	0.78
(1,3163)	1:21:A:GLY:H	1:37:A:LEU:HD12	19	0.78
(1,3046)	1:41:B:GLU:H	1:29:B:LEU:HD13	8	0.78
(1,3045)	1:41:A:GLU:H	1:29:A:LEU:HD13	8	0.78
(1,3045)	1:41:A:GLU:H	1:29:A:LEU:HD13	17	0.78
(1,2510)	1:42:B:LEU:H	1:82:B:ILE:HD11	5	0.78
(1,2430)	1:74:B:GLU:H	1:97:A:GLN:HE21	10	0.78
(1,2429)	1:74:A:GLU:H	1:97:B:GLN:HE21	10	0.78
(1,2164)	1:70:B:VAL:H	1:29:B:LEU:HB3	2	0.78
(1,2163)	1:70:A:VAL:H	1:29:A:LEU:HB3	2	0.78
(1,1991)	1:60:A:SER:HB2	1:66:A:ARG:HD3	4	0.78
(1,1856)	1:19:B:TYR:HA	1:29:B:LEU:HD11	3	0.78
(1,1855)	1:19:A:TYR:HA	1:29:A:LEU:HD11	3	0.78
(1,1698)	1:9:B:LEU:HB3	1:10:B:ASP:HA	9	0.78
(1,1698)	1:9:B:LEU:HB3	1:10:B:ASP:HA	13	0.78
(1,1697)	1:9:A:LEU:HB3	1:10:A:ASP:HA	9	0.78
(1,1697)	1:9:A:LEU:HB3	1:10:A:ASP:HA	13	0.78
(1,1697)	1:9:A:LEU:HB3	1:10:A:ASP:HA	15	0.78
(1,1524)	1:47:B:GLY:HA3	1:48:B:LYS:HB3	10	0.78
(1,1523)	1:47:A:GLY:HA3	1:48:A:LYS:HB3	10	0.78
(1,1472)	1:42:B:LEU:HB3	1:38:B:LEU:H	2	0.78
(1,1471)	1:42:A:LEU:HB3	1:38:A:LEU:H	2	0.78
(1,1356)	1:22:B:LYS:HE3	1:22:B:LYS:HB3	18	0.78
(1,1355)	1:22:A:LYS:HE3	1:22:A:LYS:HB3	9	0.78
(1,1355)	1:22:A:LYS:HE3	1:22:A:LYS:HB3	18	0.78
(1,1345)	1:96:A:LYS:HE2	1:73:B:GLN:HG3	15	0.78
(1,1252)	1:63:B:ASP:HB2	1:60:B:SER:HA	7	0.78
(1,1251)	1:63:A:ASP:HB2	1:60:A:SER:HA	7	0.78
(1,1212)	1:28:B:LYS:HB3	1:70:B:VAL:HG12	5	0.78
(1,1211)	1:28:A:LYS:HB3	1:70:A:VAL:HG12	5	0.78
(1,1203)	1:87:A:ASN:HB3	1:73:B:GLN:HG3	7	0.78
(1,1197)	1:87:A:ASN:HB2	1:76:B:SER:HB2	9	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1197)	1:87:A:ASN:HB2	1:76:B:SER:HB3	15	0.78
(1,1154)	1:30:B:ASN:HB3	1:31:B:LYS:HA	1	0.78
(1,1154)	1:30:B:ASN:HB3	1:31:B:LYS:HA	5	0.78
(1,1153)	1:30:A:ASN:HB3	1:31:A:LYS:HA	5	0.78
(1,1081)	1:33:A:GLU:HG2	1:29:A:LEU:HB2	5	0.78
(1,1026)	1:41:B:GLU:HG3	1:40:B:ARG:HA	8	0.78
(1,1025)	1:41:A:GLU:HG3	1:40:A:ARG:HA	8	0.78
(1,970)	1:97:B:GLN:HG3	1:95:B:ASP:HB3	5	0.78
(1,969)	1:97:A:GLN:HG3	1:95:A:ASP:HB3	5	0.78
(1,905)	1:31:A:LYS:HB3	1:35:A:LYS:HE3	6	0.78
(1,837)	1:34:A:LEU:HD23	1:59:A:MET:HB3	19	0.78
(1,652)	1:39:B:THR:HG21	1:40:B:ARG:HG2	10	0.78
(1,651)	1:39:A:THR:HG21	1:40:A:ARG:HG2	10	0.78
(1,621)	1:29:A:LEU:HD23	1:70:A:VAL:HG13	9	0.78
(1,621)	1:29:A:LEU:HD21	1:70:A:VAL:HG11	11	0.78
(1,459)	1:46:A:LEU:HD22	1:82:A:ILE:HD11	3	0.78
(1,416)	1:46:B:LEU:HD21	1:62:B:LEU:HD11	3	0.78
(1,416)	1:46:B:LEU:HD23	1:62:B:LEU:HD11	16	0.78
(1,415)	1:46:A:LEU:HD23	1:62:A:LEU:HD11	16	0.78
(1,415)	1:46:A:LEU:HD22	1:62:A:LEU:HD12	18	0.78
(1,382)	1:31:B:LYS:HG2	1:68:B:ASN:HD21	15	0.78
(1,381)	1:31:A:LYS:HG2	1:68:A:ASN:HD21	15	0.78
(1,242)	1:34:B:LEU:HD11	1:34:B:LEU:HB3	3	0.78
(1,90)	1:54:B:ALA:HB2	1:52:B:GLU:HB2	1	0.78
(1,1)	1:96:A:LYS:HD2	1:75:B:TYR:HB3	19	0.78
(2,287)	1:50:A:THR:H	1:48:A:LYS:HB2	4	0.77
(2,130)	1:21:B:GLY:HA2	1:18:B:LYS:HA	1	0.77
(2,129)	1:21:A:GLY:HA2	1:18:A:LYS:HA	1	0.77
(1,4596)	1:88:B:GLU:H	1:94:B:PRO:HG3	12	0.77
(1,4595)	1:88:A:GLU:H	1:94:A:PRO:HG3	12	0.77
(1,4584)	1:36:B:GLU:H	1:34:B:LEU:HD21	2	0.77
(1,4584)	1:36:B:GLU:H	1:34:B:LEU:HD21	11	0.77
(1,4583)	1:36:A:GLU:H	1:34:A:LEU:HD21	2	0.77
(1,4583)	1:36:A:GLU:H	1:34:A:LEU:HD21	11	0.77
(1,4554)	1:56:B:GLN:HE21	1:34:B:LEU:HD22	16	0.77
(1,4553)	1:56:A:GLN:HE21	1:34:A:LEU:HD22	16	0.77
(1,4524)	1:80:B:SER:H	1:79:B:LEU:HD22	19	0.77
(1,4523)	1:80:A:SER:H	1:79:A:LEU:HD22	19	0.77
(1,4501)	1:87:A:ASN:HD21	1:89:A:PHE:HA	12	0.77
(1,4428)	1:34:B:LEU:H	1:22:B:LYS:HE2	13	0.77
(1,4427)	1:34:A:LEU:H	1:22:A:LYS:HE2	13	0.77
(1,4379)	1:10:A:ASP:H	1:9:A:LEU:HD22	17	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4356)	1:79:B:LEU:H	1:82:B:ILE:HG13	3	0.77
(1,4355)	1:79:A:LEU:H	1:82:A:ILE:HG13	3	0.77
(1,4350)	1:16:B:PHE:H	1:79:B:LEU:HD13	19	0.77
(1,4349)	1:16:A:PHE:H	1:79:A:LEU:HD13	19	0.77
(1,4346)	1:16:B:PHE:H	1:2:A:ALA:HB2	9	0.77
(1,4345)	1:16:A:PHE:H	1:2:B:ALA:HB2	9	0.77
(1,4326)	1:42:B:LEU:H	1:79:B:LEU:HD21	11	0.77
(1,4324)	1:42:B:LEU:H	1:37:B:LEU:HD23	18	0.77
(1,4323)	1:42:A:LEU:H	1:37:A:LEU:HD23	18	0.77
(1,4114)	1:75:B:TYR:HA	1:70:B:VAL:HG22	19	0.77
(1,4113)	1:75:A:TYR:HA	1:70:A:VAL:HG22	19	0.77
(1,4015)	1:41:A:GLU:HA	1:37:A:LEU:HD23	8	0.77
(1,3896)	1:38:B:LEU:HB2	1:36:B:GLU:HG3	2	0.77
(1,3896)	1:38:B:LEU:HB2	1:36:B:GLU:HG3	11	0.77
(1,3896)	1:38:B:LEU:HB2	1:36:B:GLU:HG3	14	0.77
(1,3895)	1:38:A:LEU:HB2	1:36:A:GLU:HG3	11	0.77
(1,3895)	1:38:A:LEU:HB2	1:36:A:GLU:HG3	14	0.77
(1,3891)	1:7:A:LYS:HE3	1:42:B:LEU:HD11	14	0.77
(1,3888)	1:7:B:LYS:HE2	1:11:B:VAL:HG22	2	0.77
(1,3887)	1:7:A:LYS:HE2	1:11:A:VAL:HG22	2	0.77
(1,3804)	1:16:B:PHE:HB2	1:79:B:LEU:HG	19	0.77
(1,3803)	1:16:A:PHE:HB2	1:79:A:LEU:HG	19	0.77
(1,3792)	1:61:B:ASN:HB3	1:81:B:SER:HB2	6	0.77
(1,3791)	1:61:A:ASN:HB3	1:81:A:SER:HB2	6	0.77
(1,3772)	1:85:B:MET:HG2	1:89:B:PHE:HB2	14	0.77
(1,3771)	1:85:A:MET:HG2	1:89:A:PHE:HB2	14	0.77
(1,3770)	1:16:B:PHE:HB2	1:87:A:ASN:HB2	6	0.77
(1,3769)	1:16:A:PHE:HB2	1:87:B:ASN:HB2	6	0.77
(1,3756)	1:70:B:VAL:HG22	1:74:B:GLU:HG3	6	0.77
(1,3755)	1:70:A:VAL:HG22	1:74:A:GLU:HG3	6	0.77
(1,3755)	1:70:A:VAL:HG21	1:74:A:GLU:HG3	12	0.77
(1,3636)	1:33:B:GLU:HB3	1:34:B:LEU:HB2	3	0.77
(1,3635)	1:33:A:GLU:HB3	1:34:A:LEU:HB2	3	0.77
(1,3634)	1:43:B:PRO:HB3	1:7:A:LYS:HG3	2	0.77
(1,3628)	1:59:B:MET:HB3	1:55:B:PHE:HB3	11	0.77
(1,3627)	1:59:A:MET:HB3	1:55:A:PHE:HB3	11	0.77
(1,3620)	1:17:B:HIS:HB2	1:13:B:VAL:HG11	2	0.77
(1,3619)	1:17:A:HIS:HB2	1:13:A:VAL:HG11	2	0.77
(1,3576)	1:88:B:GLU:HB2	1:90:B:PHE:HB3	17	0.77
(1,3562)	1:56:B:GLN:HB3	1:53:B:ALA:HB2	12	0.77
(1,3561)	1:56:A:GLN:HB3	1:53:A:ALA:HB2	12	0.77
(1,3558)	1:40:B:ARG:HG2	1:36:B:GLU:HG2	6	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3558)	1:40:B:ARG:HG2	1:36:B:GLU:HG2	19	0.77
(1,3557)	1:40:A:ARG:HG2	1:36:A:GLU:HG2	6	0.77
(1,3557)	1:40:A:ARG:HG2	1:36:A:GLU:HG2	13	0.77
(1,3528)	1:5:B:LEU:HG	1:10:B:ASP:H	6	0.77
(1,3527)	1:5:A:LEU:HG	1:10:A:ASP:H	6	0.77
(1,3527)	1:5:A:LEU:HG	1:10:B:ASP:H	9	0.77
(1,3460)	1:29:B:LEU:HD11	1:29:B:LEU:HA	5	0.77
(1,3459)	1:29:A:LEU:HD11	1:29:A:LEU:HA	5	0.77
(1,3403)	1:77:A:VAL:HG22	1:62:A:LEU:HB3	13	0.77
(1,3352)	1:11:B:VAL:HG11	1:10:B:ASP:H	7	0.77
(1,3351)	1:11:A:VAL:HG11	1:10:A:ASP:H	7	0.77
(1,3124)	1:73:B:GLN:HE22	1:78:B:PHE:HB2	10	0.77
(1,3124)	1:73:B:GLN:HE22	1:78:B:PHE:HB2	16	0.77
(1,3123)	1:73:A:GLN:HE22	1:78:A:PHE:HB2	10	0.77
(1,3086)	1:65:B:ASN:HD22	1:98:A:PRO:HG3	10	0.77
(1,3085)	1:65:A:ASN:HD22	1:98:B:PRO:HG3	10	0.77
(1,3048)	1:97:B:GLN:HE22	1:96:B:LYS:H	15	0.77
(1,3046)	1:41:B:GLU:H	1:29:B:LEU:HD13	17	0.77
(1,2649)	1:10:A:ASP:H	1:82:B:ILE:HD13	6	0.77
(1,2509)	1:42:A:LEU:H	1:82:A:ILE:HD11	5	0.77
(1,2220)	1:100:B:LYS:H	1:97:B:GLN:HG2	13	0.77
(1,2219)	1:100:A:LYS:H	1:97:A:GLN:HG2	13	0.77
(1,2164)	1:70:B:VAL:H	1:29:B:LEU:HB3	8	0.77
(1,2163)	1:70:A:VAL:H	1:29:A:LEU:HB3	8	0.77
(1,2163)	1:70:A:VAL:H	1:29:A:LEU:HB3	11	0.77
(1,2074)	1:15:B:THR:HA	1:5:A:LEU:HD22	19	0.77
(1,2073)	1:15:A:THR:HA	1:5:B:LEU:HD22	19	0.77
(1,1992)	1:60:B:SER:HB2	1:66:B:ARG:HD3	4	0.77
(1,1698)	1:9:B:LEU:HB3	1:10:B:ASP:HA	11	0.77
(1,1697)	1:9:A:LEU:HB3	1:10:A:ASP:HA	11	0.77
(1,1506)	1:92:B:GLY:HA3	1:91:B:GLU:HG3	6	0.77
(1,1506)	1:92:B:GLY:HA3	1:91:B:GLU:HG3	19	0.77
(1,1505)	1:92:A:GLY:HA3	1:91:A:GLU:HG3	6	0.77
(1,1505)	1:92:A:GLY:HA3	1:91:A:GLU:HG3	19	0.77
(1,1504)	1:92:B:GLY:HA2	1:90:B:PHE:HB3	18	0.77
(1,1503)	1:92:A:GLY:HA2	1:90:A:PHE:HB3	18	0.77
(1,1346)	1:96:B:LYS:HE2	1:73:A:GLN:HG3	15	0.77
(1,1338)	1:71:B:ASP:HB2	1:75:B:TYR:HB2	10	0.77
(1,1338)	1:71:B:ASP:HB2	1:75:B:TYR:HB2	18	0.77
(1,1337)	1:71:A:ASP:HB2	1:75:A:TYR:HB2	10	0.77
(1,1337)	1:71:A:ASP:HB2	1:75:A:TYR:HB2	18	0.77
(1,1204)	1:87:B:ASN:HB3	1:73:A:GLN:HG3	7	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1153)	1:30:A:ASN:HB3	1:31:A:LYS:HA	1	0.77
(1,1082)	1:33:B:GLU:HG2	1:29:B:LEU:HB2	5	0.77
(1,1075)	1:31:A:LYS:HD3	1:52:A:GLU:HG2	16	0.77
(1,710)	1:22:B:LYS:HD3	1:37:B:LEU:HB2	16	0.77
(1,709)	1:22:A:LYS:HD3	1:37:A:LEU:HB2	16	0.77
(1,415)	1:46:A:LEU:HD21	1:62:A:LEU:HD11	3	0.77
(1,261)	1:38:A:LEU:HD12	1:45:A:PHE:HA	1	0.77
(1,156)	1:39:B:THR:HG22	1:40:B:ARG:HG3	20	0.77
(1,155)	1:39:A:THR:HG22	1:40:A:ARG:HG3	20	0.77
(1,126)	1:77:B:VAL:HG12	1:76:B:SER:H	13	0.77
(1,125)	1:77:A:VAL:HG12	1:76:A:SER:H	13	0.77
(1,106)	1:83:B:ALA:HB3	1:82:B:ILE:HD12	14	0.77
(1,105)	1:83:A:ALA:HB3	1:82:A:ILE:HD12	14	0.77
(1,59)	1:82:A:ILE:HG22	1:85:A:MET:HG2	17	0.77
(1,2)	1:96:B:LYS:HD2	1:75:A:TYR:HB3	19	0.77
(2,294)	1:21:B:GLY:H	1:26:B:LYS:HB3	15	0.76
(2,293)	1:21:A:GLY:H	1:26:A:LYS:HB3	15	0.76
(2,288)	1:50:B:THR:H	1:48:B:LYS:HB2	4	0.76
(2,46)	1:59:B:MET:HG3	1:66:B:ARG:HD2	8	0.76
(2,46)	1:59:B:MET:HG3	1:66:B:ARG:HD2	13	0.76
(2,45)	1:59:A:MET:HG3	1:66:A:ARG:HD2	8	0.76
(2,45)	1:59:A:MET:HG3	1:66:A:ARG:HD2	13	0.76
(1,4526)	1:68:B:ASN:HD21	1:56:B:GLN:HA	18	0.76
(1,4525)	1:68:A:ASN:HD21	1:56:A:GLN:HA	18	0.76
(1,4504)	1:28:B:LYS:H	1:33:B:GLU:HB3	11	0.76
(1,4503)	1:28:A:LYS:H	1:33:A:GLU:HB3	11	0.76
(1,4391)	1:7:A:LYS:H	1:42:B:LEU:HD22	3	0.76
(1,4388)	1:76:B:SER:H	1:13:B:VAL:HG13	2	0.76
(1,4387)	1:76:A:SER:H	1:13:A:VAL:HG13	2	0.76
(1,4362)	1:9:B:LEU:H	1:11:B:VAL:HB	14	0.76
(1,4361)	1:9:A:LEU:H	1:11:A:VAL:HB	14	0.76
(1,4356)	1:79:B:LEU:H	1:82:B:ILE:HG13	7	0.76
(1,4355)	1:79:A:LEU:H	1:82:A:ILE:HG13	7	0.76
(1,4345)	1:16:A:PHE:H	1:2:B:ALA:HB3	11	0.76
(1,4340)	1:13:B:VAL:H	1:79:B:LEU:HD12	1	0.76
(1,4339)	1:13:A:VAL:H	1:79:A:LEU:HD12	1	0.76
(1,4324)	1:42:B:LEU:H	1:37:B:LEU:HD23	16	0.76
(1,4288)	1:45:B:PHE:H	1:82:B:ILE:HG23	2	0.76
(1,4287)	1:45:A:PHE:H	1:82:A:ILE:HG23	2	0.76
(1,4178)	1:60:B:SER:HB3	1:58:B:LEU:HB3	19	0.76
(1,4177)	1:60:A:SER:HB3	1:58:A:LEU:HB3	19	0.76
(1,4167)	1:76:A:SER:HB2	1:79:A:LEU:HB3	10	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4164)	1:14:B:SER:HB3	1:18:B:LYS:HD3	14	0.76
(1,4158)	1:32:B:SER:HB2	1:23:B:GLU:HG3	19	0.76
(1,4157)	1:32:A:SER:HB2	1:23:A:GLU:HG3	19	0.76
(1,4114)	1:75:B:TYR:HA	1:70:B:VAL:HG23	6	0.76
(1,4113)	1:75:A:TYR:HA	1:70:A:VAL:HG23	6	0.76
(1,4064)	1:37:B:LEU:HD11	1:17:B:HIS:HA	14	0.76
(1,4063)	1:37:A:LEU:HD11	1:17:A:HIS:HA	14	0.76
(1,3960)	1:99:B:ARG:HD3	1:98:B:PRO:HD2	2	0.76
(1,3926)	1:46:B:LEU:HD23	1:49:B:ARG:HD3	8	0.76
(1,3925)	1:46:A:LEU:HD23	1:49:A:ARG:HD3	8	0.76
(1,3895)	1:38:A:LEU:HB2	1:36:A:GLU:HG3	2	0.76
(1,3892)	1:7:B:LYS:HE3	1:42:A:LEU:HD11	14	0.76
(1,3820)	1:79:B:LEU:HB2	1:79:A:LEU:HB2	15	0.76
(1,3819)	1:79:A:LEU:HB2	1:79:B:LEU:HB2	15	0.76
(1,3768)	1:84:B:MET:HB3	1:87:B:ASN:HB2	6	0.76
(1,3767)	1:84:A:MET:HB3	1:87:A:ASN:HB2	6	0.76
(1,3756)	1:70:B:VAL:HG21	1:74:B:GLU:HG3	12	0.76
(1,3604)	1:31:B:LYS:HD3	1:35:B:LYS:H	11	0.76
(1,3603)	1:31:A:LYS:HD3	1:35:A:LYS:H	11	0.76
(1,3575)	1:88:A:GLU:HB2	1:90:A:PHE:HB3	17	0.76
(1,3534)	1:98:B:PRO:HG2	1:99:B:ARG:HB2	20	0.76
(1,3533)	1:98:A:PRO:HG2	1:99:A:ARG:HB2	20	0.76
(1,3528)	1:5:B:LEU:HG	1:10:A:ASP:H	9	0.76
(1,3522)	1:38:B:LEU:HD23	1:35:B:LYS:H	12	0.76
(1,3521)	1:38:A:LEU:HD23	1:35:A:LYS:H	12	0.76
(1,3498)	1:79:B:LEU:HG	1:80:A:SER:HB3	9	0.76
(1,3497)	1:79:A:LEU:HG	1:80:B:SER:HB3	9	0.76
(1,3494)	1:79:B:LEU:HD23	1:15:B:THR:HB	9	0.76
(1,3493)	1:79:A:LEU:HD23	1:15:A:THR:HB	9	0.76
(1,3484)	1:34:B:LEU:HD21	1:38:B:LEU:H	4	0.76
(1,3484)	1:34:B:LEU:HD21	1:38:B:LEU:H	16	0.76
(1,3483)	1:34:A:LEU:HD21	1:38:A:LEU:H	4	0.76
(1,3483)	1:34:A:LEU:HD21	1:38:A:LEU:H	16	0.76
(1,3472)	1:31:B:LYS:HG3	1:34:B:LEU:HD21	3	0.76
(1,3471)	1:31:A:LYS:HG3	1:34:A:LEU:HD21	3	0.76
(1,3470)	1:48:B:LYS:HG2	1:46:B:LEU:HD22	9	0.76
(1,3469)	1:48:A:LYS:HG2	1:46:A:LEU:HD22	9	0.76
(1,3453)	1:35:A:LYS:HG2	1:34:A:LEU:HD21	16	0.76
(1,3404)	1:77:B:VAL:HG22	1:62:B:LEU:HB3	13	0.76
(1,3394)	1:77:B:VAL:HG22	1:74:B:GLU:HA	3	0.76
(1,3393)	1:77:A:VAL:HG22	1:74:A:GLU:HA	3	0.76
(1,3370)	1:50:B:THR:HG22	1:49:B:ARG:HD2	13	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3369)	1:50:A:THR:HG22	1:49:A:ARG:HD2	13	0.76
(1,3352)	1:13:B:VAL:HG11	1:90:A:PHE:H	12	0.76
(1,3351)	1:13:A:VAL:HG11	1:90:B:PHE:H	12	0.76
(1,3339)	1:2:A:ALA:HB3	1:11:B:VAL:HG13	8	0.76
(1,3123)	1:73:A:GLN:HE22	1:78:A:PHE:HB2	16	0.76
(1,3122)	1:73:B:GLN:HE22	1:73:B:GLN:HA	12	0.76
(1,3121)	1:73:A:GLN:HE22	1:73:A:GLN:HA	12	0.76
(1,3074)	1:60:B:SER:H	1:62:B:LEU:HD13	20	0.76
(1,3073)	1:60:A:SER:H	1:62:A:LEU:HD13	20	0.76
(1,3047)	1:97:A:GLN:HE22	1:96:A:LYS:H	4	0.76
(1,3047)	1:97:A:GLN:HE22	1:96:A:LYS:H	15	0.76
(1,2650)	1:10:B:ASP:H	1:82:A:ILE:HD13	6	0.76
(1,2510)	1:42:B:LEU:H	1:82:B:ILE:HD11	19	0.76
(1,2509)	1:42:A:LEU:H	1:82:A:ILE:HD11	19	0.76
(1,2372)	1:11:B:VAL:H	1:8:B:ALA:HB2	3	0.76
(1,2371)	1:11:A:VAL:H	1:8:A:ALA:HB2	3	0.76
(1,2164)	1:70:B:VAL:H	1:29:B:LEU:HB3	11	0.76
(1,1762)	1:61:B:ASN:HB3	1:58:B:LEU:HA	20	0.76
(1,1761)	1:61:A:ASN:HB3	1:58:A:LEU:HA	20	0.76
(1,1698)	1:9:B:LEU:HB3	1:10:B:ASP:HA	14	0.76
(1,1697)	1:9:A:LEU:HB3	1:10:A:ASP:HA	14	0.76
(1,1562)	1:30:B:ASN:HA	1:31:B:LYS:HG2	5	0.76
(1,1561)	1:30:A:ASN:HA	1:31:A:LYS:HG2	5	0.76
(1,1506)	1:92:B:GLY:HA3	1:91:B:GLU:HG3	3	0.76
(1,1212)	1:28:B:LYS:HB3	1:70:B:VAL:HG11	13	0.76
(1,1211)	1:28:A:LYS:HB3	1:70:A:VAL:HG11	13	0.76
(1,1154)	1:30:B:ASN:HB3	1:31:B:LYS:HA	19	0.76
(1,1153)	1:30:A:ASN:HB3	1:31:A:LYS:HA	19	0.76
(1,1076)	1:31:B:LYS:HD3	1:52:B:GLU:HG2	16	0.76
(1,1026)	1:41:B:GLU:HG3	1:40:B:ARG:HA	10	0.76
(1,970)	1:97:B:GLN:HG3	1:95:B:ASP:HB3	16	0.76
(1,573)	1:9:A:LEU:HG	1:83:B:ALA:HB1	7	0.76
(1,402)	1:31:B:LYS:HG2	1:59:B:MET:HG3	5	0.76
(1,401)	1:31:A:LYS:HG2	1:59:A:MET:HG3	5	0.76
(1,262)	1:38:B:LEU:HD12	1:45:B:PHE:HA	1	0.76
(1,126)	1:77:B:VAL:HG11	1:76:B:SER:H	19	0.76
(1,125)	1:77:A:VAL:HG11	1:76:A:SER:H	19	0.76
(1,124)	1:2:B:ALA:HB3	1:5:B:LEU:HD13	4	0.76
(1,123)	1:2:A:ALA:HB3	1:5:A:LEU:HD13	4	0.76
(1,90)	1:54:B:ALA:HB1	1:52:B:GLU:HB2	8	0.76
(1,60)	1:82:B:ILE:HG23	1:85:B:MET:HG2	16	0.76
(1,60)	1:82:B:ILE:HG22	1:85:B:MET:HG2	17	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,59)	1:82:A:ILE:HG23	1:85:A:MET:HG2	4	0.76
(2,275)	1:20:A:SER:H	1:29:A:LEU:HB2	6	0.75
(1,4538)	1:97:B:GLN:HE22	1:88:B:GLU:H	17	0.75
(1,4537)	1:97:A:GLN:HE22	1:88:A:GLU:H	17	0.75
(1,4524)	1:80:B:SER:H	1:79:B:LEU:HD22	3	0.75
(1,4523)	1:80:A:SER:H	1:79:A:LEU:HD22	3	0.75
(1,4502)	1:87:B:ASN:HD21	1:89:B:PHE:HA	9	0.75
(1,4501)	1:87:A:ASN:HD21	1:89:A:PHE:HA	9	0.75
(1,4399)	1:72:A:PHE:H	1:13:A:VAL:HG12	19	0.75
(1,4392)	1:7:B:LYS:H	1:42:A:LEU:HD22	3	0.75
(1,4360)	1:67:B:ASP:H	1:70:B:VAL:HG22	16	0.75
(1,4359)	1:67:A:ASP:H	1:70:A:VAL:HG22	16	0.75
(1,4356)	1:79:B:LEU:H	1:82:B:ILE:HG13	20	0.75
(1,4355)	1:79:A:LEU:H	1:82:A:ILE:HG13	20	0.75
(1,4346)	1:16:B:PHE:H	1:2:A:ALA:HB3	11	0.75
(1,4346)	1:16:B:PHE:H	1:2:A:ALA:HB3	13	0.75
(1,4345)	1:16:A:PHE:H	1:2:B:ALA:HB3	13	0.75
(1,4330)	1:58:B:LEU:H	1:58:B:LEU:HD12	16	0.75
(1,4324)	1:42:B:LEU:H	1:42:B:LEU:HD21	9	0.75
(1,4323)	1:42:A:LEU:H	1:42:A:LEU:HD21	9	0.75
(1,4323)	1:42:A:LEU:H	1:37:A:LEU:HD23	16	0.75
(1,4198)	1:50:B:THR:HB	1:39:B:THR:H	6	0.75
(1,4197)	1:50:A:THR:HB	1:39:A:THR:H	6	0.75
(1,4194)	1:77:B:VAL:HA	1:83:A:ALA:HB1	16	0.75
(1,4193)	1:77:A:VAL:HA	1:83:B:ALA:HB1	16	0.75
(1,4168)	1:76:B:SER:HB2	1:79:B:LEU:HB3	10	0.75
(1,4150)	1:76:B:SER:HB3	1:82:A:ILE:HB	2	0.75
(1,4150)	1:76:B:SER:HB3	1:82:A:ILE:HB	12	0.75
(1,4149)	1:76:A:SER:HB3	1:82:B:ILE:HB	2	0.75
(1,4149)	1:76:A:SER:HB3	1:82:B:ILE:HB	12	0.75
(1,4028)	1:83:B:ALA:HA	1:9:A:LEU:HB3	13	0.75
(1,3959)	1:99:A:ARG:HD3	1:98:A:PRO:HD2	2	0.75
(1,3880)	1:51:B:ASP:HB3	1:56:B:GLN:HB3	19	0.75
(1,3879)	1:51:A:ASP:HB3	1:56:A:GLN:HB3	19	0.75
(1,3860)	1:31:B:LYS:HE2	1:53:B:ALA:HA	15	0.75
(1,3859)	1:31:A:LYS:HE2	1:53:A:ALA:HA	15	0.75
(1,3804)	1:16:B:PHE:HB2	1:79:B:LEU:HG	3	0.75
(1,3803)	1:16:A:PHE:HB2	1:79:A:LEU:HG	3	0.75
(1,3771)	1:87:A:ASN:HB3	1:16:B:PHE:HB2	16	0.75
(1,3697)	1:56:A:GLN:HG3	1:57:A:LYS:HE2	4	0.75
(1,3544)	1:29:B:LEU:HD22	1:69:B:GLU:HA	1	0.75
(1,3543)	1:29:A:LEU:HD22	1:69:A:GLU:HA	1	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3494)	1:79:B:LEU:HD21	1:15:B:THR:HB	17	0.75
(1,3494)	1:79:B:LEU:HD21	1:15:B:THR:HB	18	0.75
(1,3493)	1:79:A:LEU:HD21	1:15:A:THR:HB	17	0.75
(1,3493)	1:79:A:LEU:HD21	1:15:A:THR:HB	18	0.75
(1,3454)	1:35:B:LYS:HG2	1:34:B:LEU:HD21	16	0.75
(1,3364)	1:39:B:THR:HG22	1:37:B:LEU:HB3	16	0.75
(1,3340)	1:2:B:ALA:HB3	1:11:A:VAL:HG13	8	0.75
(1,3340)	1:2:B:ALA:HB3	1:9:B:LEU:HD12	19	0.75
(1,3339)	1:2:A:ALA:HB3	1:9:A:LEU:HD12	19	0.75
(1,3312)	1:82:B:ILE:HD12	1:10:A:ASP:HB2	6	0.75
(1,3311)	1:82:A:ILE:HD12	1:10:B:ASP:HB2	6	0.75
(1,3164)	1:21:B:GLY:H	1:37:B:LEU:HD11	13	0.75
(1,3163)	1:21:A:GLY:H	1:37:A:LEU:HD11	13	0.75
(1,3104)	1:65:B:ASN:HD21	1:69:B:GLU:HG3	11	0.75
(1,3103)	1:65:A:ASN:HD21	1:69:A:GLU:HG3	11	0.75
(1,3074)	1:60:B:SER:H	1:62:B:LEU:HD13	5	0.75
(1,3073)	1:60:A:SER:H	1:62:A:LEU:HD13	5	0.75
(1,3048)	1:97:B:GLN:HE22	1:96:B:LYS:H	4	0.75
(1,2625)	1:9:A:LEU:H	1:82:B:ILE:HD13	13	0.75
(1,2625)	1:9:A:LEU:H	1:82:B:ILE:HD13	20	0.75
(1,2164)	1:70:B:VAL:H	1:29:B:LEU:HB3	3	0.75
(1,2163)	1:70:A:VAL:H	1:29:A:LEU:HB3	3	0.75
(1,2092)	1:26:B:LYS:H	1:21:B:GLY:HA3	6	0.75
(1,1505)	1:92:A:GLY:HA3	1:91:A:GLU:HG3	3	0.75
(1,1504)	1:92:B:GLY:HA2	1:90:B:PHE:HB3	17	0.75
(1,1503)	1:92:A:GLY:HA2	1:90:A:PHE:HB3	1	0.75
(1,1503)	1:92:A:GLY:HA2	1:90:A:PHE:HB3	17	0.75
(1,1154)	1:30:B:ASN:HB3	1:31:B:LYS:HA	3	0.75
(1,1154)	1:30:B:ASN:HB3	1:31:B:LYS:HA	6	0.75
(1,1154)	1:30:B:ASN:HB3	1:31:B:LYS:HA	13	0.75
(1,1153)	1:30:A:ASN:HB3	1:31:A:LYS:HA	6	0.75
(1,1153)	1:30:A:ASN:HB3	1:31:A:LYS:HA	13	0.75
(1,1082)	1:33:B:GLU:HG3	1:29:B:LEU:HB2	19	0.75
(1,1025)	1:41:A:GLU:HG3	1:40:A:ARG:HA	10	0.75
(1,998)	1:73:B:GLN:HG3	1:97:A:GLN:HE21	6	0.75
(1,997)	1:73:A:GLN:HG3	1:97:B:GLN:HE21	6	0.75
(1,969)	1:97:A:GLN:HG3	1:95:A:ASP:HB3	16	0.75
(1,906)	1:31:B:LYS:HB3	1:35:B:LYS:HE2	10	0.75
(1,905)	1:31:A:LYS:HB3	1:35:A:LYS:HE2	10	0.75
(1,838)	1:34:B:LEU:HD21	1:59:B:MET:HB3	7	0.75
(1,837)	1:34:A:LEU:HD21	1:59:A:MET:HB3	7	0.75
(1,574)	1:9:B:LEU:HG	1:83:A:ALA:HB3	2	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,573)	1:9:A:LEU:HG	1:83:B:ALA:HB3	2	0.75
(1,394)	1:46:B:LEU:HD21	1:61:B:ASN:HD21	3	0.75
(1,393)	1:46:A:LEU:HD21	1:61:A:ASN:HD21	3	0.75
(1,126)	1:77:B:VAL:HG13	1:76:B:SER:H	12	0.75
(1,116)	1:2:B:ALA:HB2	1:7:B:LYS:HE2	17	0.75
(1,115)	1:2:A:ALA:HB2	1:7:A:LYS:HE2	17	0.75
(1,89)	1:54:A:ALA:HB1	1:52:A:GLU:HB2	8	0.75
(1,60)	1:82:B:ILE:HG23	1:85:B:MET:HG2	4	0.75
(1,59)	1:82:A:ILE:HG23	1:85:A:MET:HG2	16	0.75
(1,22)	1:31:B:LYS:HG2	1:31:B:LYS:HE3	15	0.75
(1,21)	1:31:A:LYS:HG2	1:31:A:LYS:HE3	15	0.75
(1,18)	1:39:B:THR:HB	1:40:B:ARG:HG2	2	0.75
(1,17)	1:39:A:THR:HB	1:40:A:ARG:HG2	2	0.75
(1,10)	1:5:B:LEU:HD13	1:15:A:THR:HB	11	0.75
(2,294)	1:21:B:GLY:H	1:26:B:LYS:HB3	14	0.74
(2,294)	1:21:B:GLY:H	1:26:B:LYS:HB3	17	0.74
(2,293)	1:21:A:GLY:H	1:26:A:LYS:HB3	14	0.74
(2,293)	1:21:A:GLY:H	1:26:A:LYS:HB3	17	0.74
(2,276)	1:20:B:SER:H	1:29:B:LEU:HB2	6	0.74
(1,4596)	1:88:B:GLU:H	1:94:B:PRO:HG3	7	0.74
(1,4595)	1:88:A:GLU:H	1:94:A:PRO:HG3	7	0.74
(1,4526)	1:68:B:ASN:HD21	1:56:B:GLN:HA	14	0.74
(1,4525)	1:68:A:ASN:HD21	1:56:A:GLN:HA	14	0.74
(1,4482)	1:14:B:SER:H	1:79:B:LEU:HD11	4	0.74
(1,4481)	1:14:A:SER:H	1:79:A:LEU:HD11	4	0.74
(1,4458)	1:68:B:ASN:H	1:66:B:ARG:HB2	7	0.74
(1,4458)	1:68:B:ASN:H	1:66:B:ARG:HB2	12	0.74
(1,4457)	1:68:A:ASN:H	1:66:A:ARG:HB2	7	0.74
(1,4457)	1:68:A:ASN:H	1:66:A:ARG:HB2	12	0.74
(1,4447)	1:69:A:GLU:H	1:28:A:LYS:HA	2	0.74
(1,4400)	1:72:B:PHE:H	1:13:B:VAL:HG12	19	0.74
(1,4400)	1:72:B:PHE:H	1:13:B:VAL:HG11	20	0.74
(1,4399)	1:72:A:PHE:H	1:13:A:VAL:HG11	20	0.74
(1,4384)	1:76:B:SER:H	1:62:B:LEU:HB3	14	0.74
(1,4383)	1:76:A:SER:H	1:62:A:LEU:HB3	14	0.74
(1,4383)	1:76:A:SER:H	1:83:B:ALA:HB2	15	0.74
(1,4362)	1:9:B:LEU:H	1:12:B:MET:HB3	9	0.74
(1,4331)	1:57:A:LYS:H	1:34:A:LEU:HD22	12	0.74
(1,4329)	1:58:A:LEU:H	1:58:A:LEU:HD12	16	0.74
(1,4028)	1:83:B:ALA:HA	1:9:A:LEU:HB3	10	0.74
(1,4027)	1:83:A:ALA:HA	1:9:B:LEU:HB3	10	0.74
(1,4016)	1:41:B:GLU:HA	1:37:B:LEU:HD23	19	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4015)	1:41:A:GLU:HA	1:37:A:LEU:HD23	19	0.74
(1,4003)	1:59:A:MET:H	1:61:A:ASN:HA	10	0.74
(1,3926)	1:46:B:LEU:HD22	1:49:B:ARG:HD3	2	0.74
(1,3925)	1:46:A:LEU:HD22	1:49:A:ARG:HD3	2	0.74
(1,3920)	1:40:B:ARG:HD2	1:19:B:TYR:HB3	5	0.74
(1,3919)	1:40:A:ARG:HD2	1:19:A:TYR:HB3	5	0.74
(1,3779)	1:87:A:ASN:HB2	1:88:A:GLU:HB2	20	0.74
(1,3698)	1:56:B:GLN:HG3	1:57:B:LYS:HE2	4	0.74
(1,3633)	1:43:A:PRO:HB3	1:7:B:LYS:HG3	11	0.74
(1,3600)	1:31:B:LYS:HD2	1:32:B:SER:HB2	2	0.74
(1,3597)	1:96:A:LYS:HD2	1:13:B:VAL:HG13	10	0.74
(1,3562)	1:56:B:GLN:HB3	1:53:B:ALA:HB1	16	0.74
(1,3562)	1:56:B:GLN:HB3	1:53:B:ALA:HB1	18	0.74
(1,3561)	1:56:A:GLN:HB3	1:53:A:ALA:HB1	18	0.74
(1,3558)	1:40:B:ARG:HG2	1:36:B:GLU:HG2	15	0.74
(1,3545)	1:29:A:LEU:HD21	1:22:A:LYS:HE3	8	0.74
(1,3472)	1:31:B:LYS:HG3	1:34:B:LEU:HD22	1	0.74
(1,3471)	1:31:A:LYS:HG3	1:34:A:LEU:HD22	1	0.74
(1,3404)	1:77:B:VAL:HG22	1:62:B:LEU:HB3	18	0.74
(1,3403)	1:77:A:VAL:HG22	1:62:A:LEU:HB3	18	0.74
(1,3363)	1:39:A:THR:HG22	1:37:A:LEU:HB3	16	0.74
(1,3334)	1:83:B:ALA:HB2	1:82:B:ILE:HG21	16	0.74
(1,3333)	1:83:A:ALA:HB2	1:82:A:ILE:HG21	16	0.74
(1,3164)	1:21:B:GLY:H	1:37:B:LEU:HD11	4	0.74
(1,3163)	1:21:A:GLY:H	1:37:A:LEU:HD11	4	0.74
(1,3122)	1:73:B:GLN:HE22	1:73:B:GLN:HA	2	0.74
(1,3074)	1:60:B:SER:H	1:62:B:LEU:HD13	10	0.74
(1,3073)	1:60:A:SER:H	1:62:A:LEU:HD13	10	0.74
(1,3048)	1:97:B:GLN:HE22	1:96:B:LYS:H	19	0.74
(1,3047)	1:97:A:GLN:HE22	1:96:A:LYS:H	19	0.74
(1,2626)	1:9:B:LEU:H	1:82:A:ILE:HD13	13	0.74
(1,2626)	1:9:B:LEU:H	1:82:A:ILE:HD13	20	0.74
(1,2545)	1:93:A:PHE:H	1:96:A:LYS:HE3	16	0.74
(1,2518)	1:58:B:LEU:H	1:62:B:LEU:HD11	8	0.74
(1,2517)	1:58:A:LEU:H	1:62:A:LEU:HD11	8	0.74
(1,2376)	1:11:B:VAL:H	1:11:B:VAL:HG13	8	0.74
(1,2375)	1:11:A:VAL:H	1:11:A:VAL:HG13	8	0.74
(1,2372)	1:11:B:VAL:H	1:8:B:ALA:HB1	7	0.74
(1,2371)	1:11:A:VAL:H	1:8:A:ALA:HB1	7	0.74
(1,2306)	1:45:B:PHE:H	1:42:B:LEU:HD21	9	0.74
(1,2164)	1:70:B:VAL:H	1:29:B:LEU:HB3	9	0.74
(1,2164)	1:70:B:VAL:H	1:29:B:LEU:HB3	16	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2163)	1:70:A:VAL:H	1:29:A:LEU:HB3	9	0.74
(1,2163)	1:70:A:VAL:H	1:29:A:LEU:HB3	16	0.74
(1,2092)	1:26:B:LYS:H	1:21:B:GLY:HA3	3	0.74
(1,2091)	1:26:A:LYS:H	1:21:A:GLY:HA3	3	0.74
(1,2091)	1:26:A:LYS:H	1:21:A:GLY:HA3	6	0.74
(1,1922)	1:86:B:SER:HA	1:13:A:VAL:HG23	8	0.74
(1,1737)	1:34:A:LEU:HA	1:34:A:LEU:HD13	16	0.74
(1,1698)	1:9:B:LEU:HB3	1:10:B:ASP:HA	12	0.74
(1,1654)	1:83:B:ALA:HA	1:82:B:ILE:HD12	5	0.74
(1,1610)	1:25:B:ASP:HB2	1:28:B:LYS:HA	4	0.74
(1,1609)	1:25:A:ASP:HB2	1:28:A:LYS:HA	4	0.74
(1,1504)	1:92:B:GLY:HA2	1:90:B:PHE:HB3	1	0.74
(1,1486)	1:42:B:LEU:HB3	1:41:B:GLU:HB3	14	0.74
(1,1485)	1:42:A:LEU:HB3	1:41:A:GLU:HB3	14	0.74
(1,1368)	1:18:B:LYS:HE2	1:11:B:VAL:HG13	19	0.74
(1,1367)	1:18:A:LYS:HE2	1:11:A:VAL:HG13	19	0.74
(1,1321)	1:56:A:GLN:HE21	1:31:A:LYS:HE3	19	0.74
(1,1203)	1:87:A:ASN:HB3	1:73:B:GLN:HG2	16	0.74
(1,1153)	1:30:A:ASN:HB3	1:31:A:LYS:HA	3	0.74
(1,1153)	1:30:A:ASN:HB3	1:31:A:LYS:HA	7	0.74
(1,1081)	1:33:A:GLU:HG3	1:29:A:LEU:HB2	19	0.74
(1,1068)	1:91:B:GLU:HG3	1:90:B:PHE:HB3	11	0.74
(1,1067)	1:91:A:GLU:HG3	1:90:A:PHE:HB3	15	0.74
(1,1026)	1:41:B:GLU:HG3	1:40:B:ARG:HA	14	0.74
(1,1025)	1:41:A:GLU:HG3	1:40:A:ARG:HA	14	0.74
(1,905)	1:31:A:LYS:HB3	1:35:A:LYS:HE3	15	0.74
(1,840)	1:59:B:MET:HB3	1:62:B:LEU:HD11	4	0.74
(1,839)	1:59:A:MET:HB3	1:62:A:LEU:HD11	4	0.74
(1,705)	1:88:A:GLU:HB2	1:96:A:LYS:HG3	15	0.74
(1,622)	1:29:B:LEU:HD23	1:70:B:VAL:HG13	18	0.74
(1,621)	1:29:A:LEU:HD22	1:70:A:VAL:HG13	2	0.74
(1,621)	1:29:A:LEU:HD23	1:70:A:VAL:HG13	18	0.74
(1,574)	1:9:B:LEU:HG	1:83:A:ALA:HB1	7	0.74
(1,460)	1:46:B:LEU:HD22	1:82:B:ILE:HD13	14	0.74
(1,459)	1:46:A:LEU:HD22	1:82:A:ILE:HD13	14	0.74
(1,433)	1:5:A:LEU:HD21	1:6:A:GLU:HG2	3	0.74
(1,394)	1:46:B:LEU:HD21	1:61:B:ASN:HD21	7	0.74
(1,393)	1:46:A:LEU:HD21	1:61:A:ASN:HD21	7	0.74
(1,125)	1:77:A:VAL:HG13	1:76:A:SER:H	12	0.74
(1,124)	1:2:B:ALA:HB2	1:5:B:LEU:HD12	3	0.74
(1,123)	1:2:A:ALA:HB2	1:5:A:LEU:HD12	3	0.74
(1,40)	1:82:B:ILE:HD12	1:6:A:GLU:HB2	19	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:31:A:LYS:HG2	1:31:A:LYS:HE3	19	0.74
(1,9)	1:5:A:LEU:HD13	1:15:B:THR:HB	11	0.74
(1,4583)	1:36:A:GLU:H	1:37:A:LEU:HD11	1	0.73
(1,4482)	1:14:B:SER:H	1:79:B:LEU:HD12	13	0.73
(1,4481)	1:14:A:SER:H	1:79:A:LEU:HD12	13	0.73
(1,4478)	1:86:B:SER:H	1:13:A:VAL:HG12	2	0.73
(1,4448)	1:69:B:GLU:H	1:28:B:LYS:HA	2	0.73
(1,4434)	1:38:B:LEU:H	1:55:B:PHE:HB3	10	0.73
(1,4428)	1:34:B:LEU:H	1:22:B:LYS:HE3	15	0.73
(1,4384)	1:76:B:SER:H	1:83:A:ALA:HB2	15	0.73
(1,4361)	1:9:A:LEU:H	1:12:A:MET:HB3	9	0.73
(1,4350)	1:16:B:PHE:H	1:79:B:LEU:HD12	6	0.73
(1,4349)	1:16:A:PHE:H	1:79:A:LEU:HD12	6	0.73
(1,4332)	1:57:B:LYS:H	1:34:B:LEU:HD23	9	0.73
(1,4332)	1:57:B:LYS:H	1:34:B:LEU:HD22	12	0.73
(1,4332)	1:57:B:LYS:H	1:58:B:LEU:HD13	17	0.73
(1,4331)	1:57:A:LYS:H	1:34:A:LEU:HD23	9	0.73
(1,4331)	1:57:A:LYS:H	1:58:A:LEU:HD13	17	0.73
(1,4330)	1:58:B:LEU:H	1:58:B:LEU:HD13	17	0.73
(1,4329)	1:58:A:LEU:H	1:58:A:LEU:HD13	17	0.73
(1,4258)	1:30:B:ASN:H	1:28:B:LYS:HD2	19	0.73
(1,4257)	1:30:A:ASN:H	1:28:A:LYS:HD2	19	0.73
(1,4178)	1:60:B:SER:HB2	1:58:B:LEU:HB3	20	0.73
(1,4177)	1:60:A:SER:HB2	1:58:A:LEU:HB3	20	0.73
(1,4030)	1:49:B:ARG:HA	1:46:B:LEU:HD13	20	0.73
(1,4027)	1:83:A:ALA:HA	1:9:B:LEU:HB3	13	0.73
(1,4008)	1:69:B:GLU:HG2	1:28:B:LYS:HA	19	0.73
(1,4004)	1:59:B:MET:H	1:61:B:ASN:HA	10	0.73
(1,3926)	1:46:B:LEU:HD21	1:49:B:ARG:HD3	4	0.73
(1,3925)	1:46:A:LEU:HD21	1:49:A:ARG:HD3	4	0.73
(1,3910)	1:62:B:LEU:HB2	1:75:B:TYR:HB2	17	0.73
(1,3909)	1:62:A:LEU:HB2	1:75:A:TYR:HB2	17	0.73
(1,3792)	1:61:B:ASN:HB3	1:81:B:SER:HB2	8	0.73
(1,3791)	1:61:A:ASN:HB3	1:81:A:SER:HB2	8	0.73
(1,3780)	1:87:B:ASN:HB2	1:88:B:GLU:HB2	20	0.73
(1,3772)	1:87:B:ASN:HB3	1:16:A:PHE:HB2	16	0.73
(1,3768)	1:84:B:MET:HB3	1:87:B:ASN:HB2	2	0.73
(1,3767)	1:84:A:MET:HB3	1:87:A:ASN:HB2	2	0.73
(1,3766)	1:87:B:ASN:HB3	1:89:B:PHE:HB3	7	0.73
(1,3765)	1:87:A:ASN:HB3	1:89:A:PHE:HB3	7	0.73
(1,3698)	1:56:B:GLN:HG3	1:57:B:LYS:HE2	8	0.73
(1,3697)	1:56:A:GLN:HG3	1:57:A:LYS:HE2	8	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3634)	1:43:B:PRO:HB3	1:7:A:LYS:HG3	11	0.73
(1,3633)	1:43:A:PRO:HB3	1:7:B:LYS:HG3	4	0.73
(1,3599)	1:31:A:LYS:HD2	1:32:A:SER:HB2	2	0.73
(1,3598)	1:96:B:LYS:HD2	1:13:A:VAL:HG13	10	0.73
(1,3575)	1:88:A:GLU:HB2	1:90:A:PHE:HB3	7	0.73
(1,3562)	1:56:B:GLN:HB3	1:53:B:ALA:HB2	13	0.73
(1,3561)	1:56:A:GLN:HB3	1:53:A:ALA:HB2	13	0.73
(1,3561)	1:56:A:GLN:HB3	1:53:A:ALA:HB1	16	0.73
(1,3557)	1:40:A:ARG:HG2	1:36:A:GLU:HG2	15	0.73
(1,3546)	1:29:B:LEU:HD21	1:22:B:LYS:HE3	8	0.73
(1,3528)	1:5:B:LEU:HG	1:10:A:ASP:H	19	0.73
(1,3527)	1:5:A:LEU:HG	1:10:B:ASP:H	19	0.73
(1,3512)	1:42:B:LEU:HD23	1:6:A:GLU:HA	9	0.73
(1,3511)	1:42:A:LEU:HD23	1:6:B:GLU:HA	9	0.73
(1,3442)	1:58:B:LEU:HD13	1:38:B:LEU:HB3	20	0.73
(1,3441)	1:58:A:LEU:HD13	1:38:A:LEU:HB3	20	0.73
(1,3440)	1:58:B:LEU:HD13	1:38:B:LEU:HB3	20	0.73
(1,3439)	1:58:A:LEU:HD13	1:38:A:LEU:HB3	20	0.73
(1,3364)	1:39:B:THR:HG23	1:37:B:LEU:HB3	4	0.73
(1,3363)	1:39:A:THR:HG23	1:37:A:LEU:HB3	4	0.73
(1,3164)	1:21:B:GLY:H	1:37:B:LEU:HD12	2	0.73
(1,3163)	1:21:A:GLY:H	1:37:A:LEU:HD12	2	0.73
(1,3163)	1:21:A:GLY:H	1:37:A:LEU:HD11	17	0.73
(1,3132)	1:73:B:GLN:HE22	1:62:B:LEU:HD21	3	0.73
(1,3132)	1:73:B:GLN:HE22	1:62:B:LEU:HD21	10	0.73
(1,3131)	1:73:A:GLN:HE22	1:62:A:LEU:HD21	10	0.73
(1,3124)	1:73:B:GLN:HE22	1:78:B:PHE:HB2	13	0.73
(1,3123)	1:73:A:GLN:HE22	1:78:A:PHE:HB2	13	0.73
(1,3121)	1:73:A:GLN:HE22	1:73:A:GLN:HA	2	0.73
(1,3074)	1:60:B:SER:H	1:62:B:LEU:HD12	17	0.73
(1,3073)	1:60:A:SER:H	1:62:A:LEU:HD12	17	0.73
(1,2720)	1:61:B:ASN:H	1:66:B:ARG:HD2	6	0.73
(1,2720)	1:61:B:ASN:H	1:66:B:ARG:HD2	7	0.73
(1,2719)	1:61:A:ASN:H	1:66:A:ARG:HD2	6	0.73
(1,2719)	1:61:A:ASN:H	1:66:A:ARG:HD2	7	0.73
(1,2622)	1:55:B:PHE:H	1:50:B:THR:HG22	1	0.73
(1,2622)	1:55:B:PHE:H	1:50:B:THR:HG23	18	0.73
(1,2621)	1:55:A:PHE:H	1:50:A:THR:HG22	1	0.73
(1,2621)	1:55:A:PHE:H	1:50:A:THR:HG21	14	0.73
(1,2621)	1:55:A:PHE:H	1:50:A:THR:HG23	18	0.73
(1,2546)	1:93:B:PHE:H	1:96:B:LYS:HE3	16	0.73
(1,2510)	1:42:B:LEU:H	1:82:B:ILE:HD12	6	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2510)	1:42:B:LEU:H	1:82:B:ILE:HD12	9	0.73
(1,2509)	1:42:A:LEU:H	1:82:A:ILE:HD12	6	0.73
(1,2509)	1:42:A:LEU:H	1:82:A:ILE:HD12	9	0.73
(1,2376)	1:11:B:VAL:H	1:11:B:VAL:HG12	6	0.73
(1,2376)	1:11:B:VAL:H	1:11:B:VAL:HG11	9	0.73
(1,2376)	1:11:B:VAL:H	1:11:B:VAL:HG11	15	0.73
(1,2376)	1:11:B:VAL:H	1:11:B:VAL:HG11	18	0.73
(1,2375)	1:11:A:VAL:H	1:11:A:VAL:HG12	6	0.73
(1,2375)	1:11:A:VAL:H	1:11:A:VAL:HG11	9	0.73
(1,2375)	1:11:A:VAL:H	1:11:A:VAL:HG11	15	0.73
(1,2375)	1:11:A:VAL:H	1:11:A:VAL:HG11	18	0.73
(1,2372)	1:11:B:VAL:H	1:8:B:ALA:HB3	14	0.73
(1,2371)	1:11:A:VAL:H	1:8:A:ALA:HB3	14	0.73
(1,2305)	1:45:A:PHE:H	1:42:A:LEU:HD21	9	0.73
(1,2220)	1:100:B:LYS:H	1:97:B:GLN:HG3	12	0.73
(1,2219)	1:100:A:LYS:H	1:97:A:GLN:HG3	12	0.73
(1,2164)	1:70:B:VAL:H	1:29:B:LEU:HB3	17	0.73
(1,2163)	1:70:A:VAL:H	1:29:A:LEU:HB3	17	0.73
(1,1921)	1:86:A:SER:HA	1:13:B:VAL:HG23	8	0.73
(1,1738)	1:34:B:LEU:HA	1:34:B:LEU:HD13	16	0.73
(1,1697)	1:9:A:LEU:HB3	1:10:A:ASP:HA	12	0.73
(1,1653)	1:83:A:ALA:HA	1:82:A:ILE:HD11	1	0.73
(1,1653)	1:83:A:ALA:HA	1:82:A:ILE:HD12	5	0.73
(1,1472)	1:42:B:LEU:HB3	1:38:B:LEU:H	1	0.73
(1,1472)	1:42:B:LEU:HB3	1:38:B:LEU:H	3	0.73
(1,1471)	1:42:A:LEU:HB3	1:38:A:LEU:H	1	0.73
(1,1471)	1:42:A:LEU:HB3	1:38:A:LEU:H	3	0.73
(1,1322)	1:56:B:GLN:HE21	1:31:B:LYS:HE3	19	0.73
(1,1252)	1:63:B:ASP:HB2	1:60:B:SER:HA	6	0.73
(1,1204)	1:87:B:ASN:HB3	1:73:A:GLN:HG2	16	0.73
(1,1154)	1:30:B:ASN:HB3	1:31:B:LYS:HA	7	0.73
(1,1068)	1:91:B:GLU:HG3	1:90:B:PHE:HB3	15	0.73
(1,1067)	1:91:A:GLU:HG3	1:90:A:PHE:HB3	11	0.73
(1,906)	1:31:B:LYS:HB3	1:35:B:LYS:HE3	15	0.73
(1,802)	1:41:B:GLU:HB2	1:5:A:LEU:HD21	19	0.73
(1,801)	1:41:A:GLU:HB2	1:5:B:LEU:HD21	19	0.73
(1,731)	1:52:A:GLU:HB3	1:31:A:LYS:HE3	10	0.73
(1,731)	1:52:A:GLU:HB3	1:31:A:LYS:HE2	12	0.73
(1,706)	1:88:B:GLU:HB2	1:96:B:LYS:HG3	15	0.73
(1,686)	1:100:B:LYS:HD2	1:101:B:LYS:HA	2	0.73
(1,685)	1:100:A:LYS:HD2	1:101:A:LYS:HA	2	0.73
(1,622)	1:29:B:LEU:HD22	1:70:B:VAL:HG13	2	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,573)	1:9:A:LEU:HG	1:83:B:ALA:HB3	13	0.73
(1,518)	1:42:B:LEU:HD13	1:82:B:ILE:HD13	19	0.73
(1,517)	1:42:A:LEU:HD13	1:82:A:ILE:HD13	19	0.73
(1,480)	1:79:B:LEU:HG	1:12:B:MET:HB3	6	0.73
(1,479)	1:79:A:LEU:HG	1:12:A:MET:HB3	6	0.73
(1,460)	1:46:B:LEU:HD23	1:82:B:ILE:HD13	18	0.73
(1,459)	1:46:A:LEU:HD23	1:82:A:ILE:HD13	18	0.73
(1,416)	1:46:B:LEU:HD22	1:62:B:LEU:HD12	4	0.73
(1,415)	1:46:A:LEU:HD22	1:62:A:LEU:HD12	4	0.73
(1,393)	1:46:A:LEU:HD23	1:61:A:ASN:HD21	16	0.73
(1,366)	1:96:B:LYS:HG2	1:91:B:GLU:H	3	0.73
(1,365)	1:96:A:LYS:HG2	1:91:A:GLU:H	3	0.73
(1,232)	1:13:B:VAL:HG21	1:84:A:MET:HA	19	0.73
(1,231)	1:13:A:VAL:HG21	1:84:B:MET:HA	19	0.73
(1,126)	1:77:B:VAL:HG12	1:76:B:SER:H	10	0.73
(1,125)	1:77:A:VAL:HG12	1:76:A:SER:H	10	0.73
(1,39)	1:82:A:ILE:HD12	1:6:B:GLU:HB2	19	0.73
(1,22)	1:31:B:LYS:HG2	1:31:B:LYS:HE3	19	0.73
(1,8)	1:79:B:LEU:HD12	1:9:A:LEU:HD23	7	0.73
(2,294)	1:21:B:GLY:H	1:26:B:LYS:HB3	13	0.72
(1,4583)	1:36:A:GLU:H	1:37:A:LEU:HD12	6	0.72
(1,4526)	1:68:B:ASN:HD21	1:56:B:GLN:HA	1	0.72
(1,4525)	1:68:A:ASN:HD21	1:56:A:GLN:HA	1	0.72
(1,4524)	1:80:B:SER:H	1:79:B:LEU:HD11	5	0.72
(1,4523)	1:80:A:SER:H	1:79:A:LEU:HD11	5	0.72
(1,4502)	1:87:B:ASN:HD21	1:86:B:SER:HA	1	0.72
(1,4502)	1:87:B:ASN:HD21	1:89:B:PHE:HA	8	0.72
(1,4502)	1:87:B:ASN:HD21	1:86:B:SER:HA	19	0.72
(1,4501)	1:87:A:ASN:HD21	1:86:A:SER:HA	1	0.72
(1,4501)	1:87:A:ASN:HD21	1:89:A:PHE:HA	8	0.72
(1,4501)	1:87:A:ASN:HD21	1:86:A:SER:HA	19	0.72
(1,4477)	1:86:A:SER:H	1:13:B:VAL:HG12	2	0.72
(1,4457)	1:68:A:ASN:H	1:66:A:ARG:HB2	2	0.72
(1,4454)	1:69:B:GLU:H	1:28:B:LYS:HG3	1	0.72
(1,4453)	1:69:A:GLU:H	1:28:A:LYS:HG3	1	0.72
(1,4448)	1:69:B:GLU:H	1:28:B:LYS:HA	5	0.72
(1,4447)	1:69:A:GLU:H	1:28:A:LYS:HA	5	0.72
(1,4434)	1:38:B:LEU:H	1:55:B:PHE:HB3	9	0.72
(1,4433)	1:38:A:LEU:H	1:55:A:PHE:HB3	9	0.72
(1,4433)	1:38:A:LEU:H	1:55:A:PHE:HB3	10	0.72
(1,4427)	1:34:A:LEU:H	1:22:A:LYS:HE3	15	0.72
(1,4422)	1:46:B:LEU:H	1:7:A:LYS:HD2	6	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4410)	1:61:B:ASN:H	1:58:B:LEU:HD13	16	0.72
(1,4409)	1:61:A:ASN:H	1:58:A:LEU:HD13	16	0.72
(1,4362)	1:9:B:LEU:H	1:11:B:VAL:HB	8	0.72
(1,4361)	1:9:A:LEU:H	1:11:A:VAL:HB	8	0.72
(1,4355)	1:79:A:LEU:H	1:82:A:ILE:HG13	2	0.72
(1,4350)	1:16:B:PHE:H	1:79:B:LEU:HD11	4	0.72
(1,4350)	1:16:B:PHE:H	1:79:B:LEU:HD12	12	0.72
(1,4324)	1:42:B:LEU:H	1:37:B:LEU:HD21	10	0.72
(1,4323)	1:42:A:LEU:H	1:37:A:LEU:HD21	10	0.72
(1,4323)	1:42:A:LEU:H	1:37:A:LEU:HD22	11	0.72
(1,4178)	1:60:B:SER:HB3	1:58:B:LEU:HB3	11	0.72
(1,4177)	1:60:A:SER:HB3	1:58:A:LEU:HB3	11	0.72
(1,4029)	1:49:A:ARG:HA	1:46:A:LEU:HD13	20	0.72
(1,4008)	1:69:B:GLU:HG2	1:28:B:LYS:HA	17	0.72
(1,4007)	1:69:A:GLU:HG2	1:28:A:LYS:HA	17	0.72
(1,4007)	1:69:A:GLU:HG2	1:28:A:LYS:HA	19	0.72
(1,3888)	1:7:B:LYS:HE2	1:11:B:VAL:HG21	4	0.72
(1,3887)	1:7:A:LYS:HE2	1:11:A:VAL:HG21	4	0.72
(1,3880)	1:51:B:ASP:HB3	1:56:B:GLN:HB3	10	0.72
(1,3870)	1:51:B:ASP:HB2	1:49:B:ARG:HD2	5	0.72
(1,3869)	1:51:A:ASP:HB2	1:49:A:ARG:HD2	5	0.72
(1,3816)	1:79:B:LEU:HB3	1:6:A:GLU:HA	6	0.72
(1,3772)	1:87:B:ASN:HB3	1:16:A:PHE:HB2	2	0.72
(1,3766)	1:87:B:ASN:HB3	1:89:B:PHE:HB2	9	0.72
(1,3766)	1:87:B:ASN:HB3	1:89:B:PHE:HB3	15	0.72
(1,3766)	1:87:B:ASN:HB3	1:89:B:PHE:HB3	20	0.72
(1,3765)	1:87:A:ASN:HB3	1:89:A:PHE:HB2	9	0.72
(1,3765)	1:87:A:ASN:HB3	1:89:A:PHE:HB3	15	0.72
(1,3765)	1:87:A:ASN:HB3	1:89:A:PHE:HB3	20	0.72
(1,3734)	1:36:B:GLU:HG3	1:40:B:ARG:HB2	9	0.72
(1,3734)	1:36:B:GLU:HG3	1:40:B:ARG:HB2	11	0.72
(1,3734)	1:36:B:GLU:HG3	1:40:B:ARG:HB2	12	0.72
(1,3734)	1:36:B:GLU:HG3	1:40:B:ARG:HB2	14	0.72
(1,3733)	1:36:A:GLU:HG3	1:40:A:ARG:HB2	9	0.72
(1,3733)	1:36:A:GLU:HG3	1:40:A:ARG:HB2	11	0.72
(1,3733)	1:36:A:GLU:HG3	1:40:A:ARG:HB2	14	0.72
(1,3733)	1:36:A:GLU:HG3	1:40:A:ARG:HB2	15	0.72
(1,3636)	1:33:B:GLU:HB3	1:34:B:LEU:HB2	1	0.72
(1,3635)	1:33:A:GLU:HB3	1:34:A:LEU:HB2	1	0.72
(1,3628)	1:59:B:MET:HB3	1:55:B:PHE:HB3	17	0.72
(1,3627)	1:59:A:MET:HB3	1:55:A:PHE:HB3	17	0.72
(1,3576)	1:88:B:GLU:HB2	1:90:B:PHE:HB3	5	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3576)	1:88:B:GLU:HB2	1:90:B:PHE:HB3	7	0.72
(1,3576)	1:88:B:GLU:HB2	1:90:B:PHE:HB3	19	0.72
(1,3575)	1:88:A:GLU:HB2	1:90:A:PHE:HB3	5	0.72
(1,3575)	1:88:A:GLU:HB2	1:90:A:PHE:HB3	19	0.72
(1,3558)	1:40:B:ARG:HG2	1:36:B:GLU:HG2	14	0.72
(1,3552)	1:94:B:PRO:HG2	1:101:B:LYS:HD3	15	0.72
(1,3551)	1:94:A:PRO:HG2	1:101:A:LYS:HD3	15	0.72
(1,3550)	1:37:B:LEU:HD13	1:18:B:LYS:HB3	18	0.72
(1,3549)	1:37:A:LEU:HD13	1:18:A:LYS:HB3	18	0.72
(1,3540)	1:29:B:LEU:HD22	1:22:B:LYS:H	15	0.72
(1,3539)	1:29:A:LEU:HD22	1:22:A:LYS:H	15	0.72
(1,3524)	1:38:B:LEU:HD22	1:55:B:PHE:HB3	1	0.72
(1,3523)	1:38:A:LEU:HD22	1:55:A:PHE:HB3	1	0.72
(1,3494)	1:79:B:LEU:HD21	1:15:B:THR:HB	12	0.72
(1,3493)	1:79:A:LEU:HD21	1:15:A:THR:HB	12	0.72
(1,3375)	1:50:A:THR:HG22	1:48:A:LYS:HB2	4	0.72
(1,3344)	1:77:B:VAL:HG12	1:84:A:MET:HG2	20	0.72
(1,3334)	1:83:B:ALA:HB1	1:82:B:ILE:HG21	18	0.72
(1,3164)	1:21:B:GLY:H	1:37:B:LEU:HD11	17	0.72
(1,3131)	1:73:A:GLN:HE22	1:62:A:LEU:HD21	3	0.72
(1,3122)	1:73:B:GLN:HE22	1:73:B:GLN:HA	20	0.72
(1,3121)	1:73:A:GLN:HE22	1:73:A:GLN:HA	20	0.72
(1,3074)	1:60:B:SER:H	1:62:B:LEU:HD13	14	0.72
(1,3074)	1:60:B:SER:H	1:62:B:LEU:HD13	19	0.72
(1,3073)	1:60:A:SER:H	1:62:A:LEU:HD13	14	0.72
(1,3073)	1:60:A:SER:H	1:62:A:LEU:HD13	19	0.72
(1,3048)	1:97:B:GLN:HE22	1:96:B:LYS:H	20	0.72
(1,3047)	1:97:A:GLN:HE22	1:96:A:LYS:H	20	0.72
(1,2649)	1:10:A:ASP:H	1:82:B:ILE:HD12	3	0.72
(1,2622)	1:55:B:PHE:H	1:50:B:THR:HG21	14	0.72
(1,2622)	1:55:B:PHE:H	1:50:B:THR:HG21	20	0.72
(1,2518)	1:58:B:LEU:H	1:62:B:LEU:HD11	14	0.72
(1,2518)	1:58:B:LEU:H	1:62:B:LEU:HD11	20	0.72
(1,2517)	1:58:A:LEU:H	1:62:A:LEU:HD11	14	0.72
(1,2517)	1:58:A:LEU:H	1:62:A:LEU:HD11	20	0.72
(1,2510)	1:42:B:LEU:H	1:82:B:ILE:HD12	10	0.72
(1,2510)	1:42:B:LEU:H	1:82:B:ILE:HD12	17	0.72
(1,2509)	1:42:A:LEU:H	1:82:A:ILE:HD12	10	0.72
(1,2509)	1:42:A:LEU:H	1:82:A:ILE:HD12	17	0.72
(1,2393)	1:18:A:LYS:H	1:37:A:LEU:HD12	5	0.72
(1,2376)	1:11:B:VAL:H	1:11:B:VAL:HG13	2	0.72
(1,2376)	1:11:B:VAL:H	1:11:B:VAL:HG12	16	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2376)	1:11:B:VAL:H	1:11:B:VAL:HG13	19	0.72
(1,2375)	1:11:A:VAL:H	1:11:A:VAL:HG13	2	0.72
(1,2375)	1:11:A:VAL:H	1:11:A:VAL:HG13	19	0.72
(1,2372)	1:11:B:VAL:H	1:8:B:ALA:HB2	6	0.72
(1,2164)	1:70:B:VAL:H	1:29:B:LEU:HB3	20	0.72
(1,2163)	1:70:A:VAL:H	1:29:A:LEU:HB3	20	0.72
(1,2134)	1:25:B:ASP:H	1:28:B:LYS:HG2	13	0.72
(1,2133)	1:25:A:ASP:H	1:28:A:LYS:HG2	13	0.72
(1,2073)	1:15:A:THR:HA	1:5:B:LEU:HD21	4	0.72
(1,1698)	1:9:B:LEU:HB3	1:10:B:ASP:HA	6	0.72
(1,1654)	1:83:B:ALA:HA	1:82:B:ILE:HD11	1	0.72
(1,1654)	1:83:B:ALA:HA	1:82:B:ILE:HD12	7	0.72
(1,1653)	1:83:A:ALA:HA	1:82:A:ILE:HD12	7	0.72
(1,1552)	1:98:B:PRO:HD2	1:101:B:LYS:HG2	18	0.72
(1,1551)	1:98:A:PRO:HD2	1:101:A:LYS:HG2	18	0.72
(1,1506)	1:92:B:GLY:HA2	1:91:B:GLU:HG3	17	0.72
(1,1505)	1:92:A:GLY:HA2	1:91:A:GLU:HG3	17	0.72
(1,1504)	1:92:B:GLY:HA2	1:90:B:PHE:HB3	19	0.72
(1,1503)	1:92:A:GLY:HA2	1:90:A:PHE:HB3	19	0.72
(1,1472)	1:42:B:LEU:HB3	1:38:B:LEU:H	7	0.72
(1,1471)	1:42:A:LEU:HB3	1:38:A:LEU:H	7	0.72
(1,1356)	1:22:B:LYS:HE3	1:22:B:LYS:HB3	1	0.72
(1,1355)	1:22:A:LYS:HE3	1:22:A:LYS:HB3	1	0.72
(1,1338)	1:71:B:ASP:HB2	1:75:B:TYR:HB3	15	0.72
(1,1337)	1:71:A:ASP:HB2	1:75:A:TYR:HB3	15	0.72
(1,1251)	1:63:A:ASP:HB2	1:60:A:SER:HA	6	0.72
(1,1154)	1:30:B:ASN:HB3	1:31:B:LYS:HA	8	0.72
(1,1153)	1:30:A:ASN:HB3	1:31:A:LYS:HA	8	0.72
(1,1076)	1:31:B:LYS:HD3	1:52:B:GLU:HG2	9	0.72
(1,1075)	1:31:A:LYS:HD3	1:52:A:GLU:HG2	9	0.72
(1,1026)	1:41:B:GLU:HG3	1:40:B:ARG:HA	5	0.72
(1,1025)	1:41:A:GLU:HG3	1:40:A:ARG:HA	5	0.72
(1,918)	1:85:B:MET:HG3	1:84:B:MET:HG3	7	0.72
(1,917)	1:85:A:MET:HG3	1:84:A:MET:HG3	7	0.72
(1,732)	1:52:B:GLU:HB3	1:31:B:LYS:HE2	1	0.72
(1,732)	1:52:B:GLU:HB3	1:31:B:LYS:HE2	3	0.72
(1,732)	1:52:B:GLU:HB3	1:31:B:LYS:HE3	10	0.72
(1,732)	1:52:B:GLU:HB3	1:31:B:LYS:HE2	12	0.72
(1,731)	1:52:A:GLU:HB3	1:31:A:LYS:HE2	1	0.72
(1,731)	1:52:A:GLU:HB3	1:31:A:LYS:HE2	3	0.72
(1,574)	1:9:B:LEU:HG	1:83:A:ALA:HB3	13	0.72
(1,573)	1:9:A:LEU:HG	1:83:B:ALA:HB2	20	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,434)	1:5:B:LEU:HD21	1:6:B:GLU:HG2	3	0.72
(1,394)	1:46:B:LEU:HD23	1:61:B:ASN:HD21	6	0.72
(1,394)	1:46:B:LEU:HD23	1:61:B:ASN:HD21	16	0.72
(1,393)	1:46:A:LEU:HD23	1:61:A:ASN:HD21	6	0.72
(1,242)	1:34:B:LEU:HD11	1:34:B:LEU:HB3	17	0.72
(1,241)	1:34:A:LEU:HD11	1:34:A:LEU:HB3	17	0.72
(1,126)	1:77:B:VAL:HG13	1:76:B:SER:H	9	0.72
(1,125)	1:77:A:VAL:HG13	1:76:A:SER:H	9	0.72
(1,17)	1:39:A:THR:HB	1:40:A:ARG:HG2	11	0.72
(1,7)	1:79:A:LEU:HD12	1:9:B:LEU:HD23	7	0.72
(2,293)	1:21:A:GLY:H	1:26:A:LYS:HB3	13	0.71
(2,293)	1:21:A:GLY:H	1:26:A:LYS:HB3	16	0.71
(2,67)	1:59:A:MET:HB3	1:34:A:LEU:HB3	15	0.71
(1,4584)	1:36:B:GLU:H	1:37:B:LEU:HD11	1	0.71
(1,4584)	1:36:B:GLU:H	1:37:B:LEU:HD12	6	0.71
(1,4570)	1:30:B:ASN:HD22	1:37:B:LEU:HD13	4	0.71
(1,4569)	1:30:A:ASN:HD22	1:37:A:LEU:HD13	4	0.71
(1,4526)	1:68:B:ASN:HD21	1:56:B:GLN:HA	10	0.71
(1,4525)	1:68:A:ASN:HD21	1:56:A:GLN:HA	10	0.71
(1,4518)	1:20:B:SER:H	1:26:B:LYS:HD2	5	0.71
(1,4517)	1:20:A:SER:H	1:26:A:LYS:HD2	5	0.71
(1,4505)	1:32:A:SER:H	1:31:A:LYS:HE2	10	0.71
(1,4478)	1:85:B:MET:H	1:82:B:ILE:HG13	20	0.71
(1,4477)	1:86:A:SER:H	1:13:B:VAL:HG12	17	0.71
(1,4477)	1:85:A:MET:H	1:82:A:ILE:HG13	20	0.71
(1,4458)	1:68:B:ASN:H	1:66:B:ARG:HB2	2	0.71
(1,4458)	1:68:B:ASN:H	1:66:B:ARG:HB2	19	0.71
(1,4457)	1:68:A:ASN:H	1:66:A:ARG:HB2	3	0.71
(1,4457)	1:68:A:ASN:H	1:66:A:ARG:HB2	19	0.71
(1,4454)	1:69:B:GLU:H	1:28:B:LYS:HG3	5	0.71
(1,4453)	1:69:A:GLU:H	1:28:A:LYS:HG3	5	0.71
(1,4428)	1:34:B:LEU:H	1:22:B:LYS:HE3	10	0.71
(1,4427)	1:34:A:LEU:H	1:22:A:LYS:HE3	10	0.71
(1,4422)	1:35:B:LYS:H	1:59:B:MET:HB2	1	0.71
(1,4422)	1:35:B:LYS:H	1:59:B:MET:HB2	17	0.71
(1,4421)	1:35:A:LYS:H	1:59:A:MET:HB2	1	0.71
(1,4421)	1:46:A:LEU:H	1:7:B:LYS:HD2	6	0.71
(1,4421)	1:35:A:LYS:H	1:59:A:MET:HB2	17	0.71
(1,4384)	1:76:B:SER:H	1:83:A:ALA:HB3	5	0.71
(1,4383)	1:76:A:SER:H	1:83:B:ALA:HB3	5	0.71
(1,4362)	1:9:B:LEU:H	1:11:B:VAL:HB	15	0.71
(1,4361)	1:9:A:LEU:H	1:11:A:VAL:HB	15	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4356)	1:79:B:LEU:H	1:82:B:ILE:HG13	2	0.71
(1,4349)	1:16:A:PHE:H	1:79:A:LEU:HD11	4	0.71
(1,4349)	1:16:A:PHE:H	1:79:A:LEU:HD12	12	0.71
(1,4345)	1:16:A:PHE:H	1:2:B:ALA:HB2	16	0.71
(1,4324)	1:42:B:LEU:H	1:37:B:LEU:HD22	11	0.71
(1,4168)	1:76:B:SER:HB2	1:79:B:LEU:HB3	14	0.71
(1,4168)	1:76:B:SER:HB2	1:79:B:LEU:HB3	17	0.71
(1,4167)	1:76:A:SER:HB2	1:79:A:LEU:HB3	14	0.71
(1,4167)	1:76:A:SER:HB2	1:79:A:LEU:HB3	17	0.71
(1,4150)	1:76:B:SER:HB3	1:82:A:ILE:HB	4	0.71
(1,4084)	1:61:B:ASN:HA	1:57:B:LYS:HA	6	0.71
(1,4083)	1:61:A:ASN:HA	1:57:A:LYS:HA	6	0.71
(1,4064)	1:37:B:LEU:HD11	1:17:B:HIS:HA	5	0.71
(1,4063)	1:37:A:LEU:HD11	1:17:A:HIS:HA	5	0.71
(1,4030)	1:49:B:ARG:HA	1:46:B:LEU:HD12	10	0.71
(1,4030)	1:49:B:ARG:HA	1:46:B:LEU:HD22	16	0.71
(1,4029)	1:49:A:ARG:HA	1:46:A:LEU:HD12	10	0.71
(1,4029)	1:49:A:ARG:HA	1:46:A:LEU:HD22	16	0.71
(1,4008)	1:69:B:GLU:HG2	1:28:B:LYS:HA	14	0.71
(1,4007)	1:69:A:GLU:HG2	1:28:A:LYS:HA	14	0.71
(1,4004)	1:59:B:MET:H	1:61:B:ASN:HA	1	0.71
(1,4004)	1:61:B:ASN:HA	1:64:B:SER:H	17	0.71
(1,4003)	1:59:A:MET:H	1:61:A:ASN:HA	1	0.71
(1,4003)	1:61:A:ASN:HA	1:64:A:SER:H	16	0.71
(1,4003)	1:61:A:ASN:HA	1:64:A:SER:H	17	0.71
(1,3920)	1:18:B:LYS:HE3	1:40:B:ARG:HD3	7	0.71
(1,3919)	1:18:A:LYS:HE3	1:40:A:ARG:HD3	7	0.71
(1,3892)	1:7:B:LYS:HE3	1:42:A:LEU:HD11	10	0.71
(1,3891)	1:7:A:LYS:HE3	1:42:B:LEU:HD11	10	0.71
(1,3879)	1:51:A:ASP:HB3	1:56:A:GLN:HB3	10	0.71
(1,3853)	1:32:A:SER:H	1:31:A:LYS:HE2	10	0.71
(1,3771)	1:87:A:ASN:HB3	1:16:B:PHE:HB2	2	0.71
(1,3766)	1:87:B:ASN:HB3	1:89:B:PHE:HB3	4	0.71
(1,3765)	1:87:A:ASN:HB3	1:89:A:PHE:HB3	4	0.71
(1,3734)	1:36:B:GLU:HG3	1:40:B:ARG:HB2	2	0.71
(1,3734)	1:36:B:GLU:HG3	1:40:B:ARG:HB2	6	0.71
(1,3734)	1:36:B:GLU:HG3	1:40:B:ARG:HB2	13	0.71
(1,3734)	1:36:B:GLU:HG3	1:40:B:ARG:HB2	15	0.71
(1,3733)	1:36:A:GLU:HG3	1:40:A:ARG:HB2	2	0.71
(1,3733)	1:36:A:GLU:HG3	1:40:A:ARG:HB2	12	0.71
(1,3733)	1:36:A:GLU:HG3	1:40:A:ARG:HB2	13	0.71
(1,3634)	1:43:B:PRO:HB3	1:7:A:LYS:HG3	4	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3596)	1:11:B:VAL:HG22	1:7:B:LYS:HD3	10	0.71
(1,3562)	1:56:B:GLN:HB3	1:53:B:ALA:HB1	19	0.71
(1,3557)	1:40:A:ARG:HG2	1:36:A:GLU:HG2	14	0.71
(1,3550)	1:37:B:LEU:HD11	1:18:B:LYS:HB3	7	0.71
(1,3549)	1:37:A:LEU:HD11	1:18:A:LYS:HB3	7	0.71
(1,3545)	1:29:A:LEU:HD23	1:22:A:LYS:HE3	12	0.71
(1,3544)	1:29:B:LEU:HD21	1:69:B:GLU:HA	10	0.71
(1,3543)	1:29:A:LEU:HD21	1:69:A:GLU:HA	10	0.71
(1,3494)	1:79:B:LEU:HD21	1:15:B:THR:HB	19	0.71
(1,3376)	1:50:B:THR:HG22	1:48:B:LYS:HB2	4	0.71
(1,3344)	1:77:B:VAL:HG12	1:84:A:MET:HG2	2	0.71
(1,3343)	1:77:A:VAL:HG12	1:84:B:MET:HG2	2	0.71
(1,3343)	1:77:A:VAL:HG12	1:84:B:MET:HG2	20	0.71
(1,3333)	1:83:A:ALA:HB1	1:82:A:ILE:HG21	18	0.71
(1,3122)	1:73:B:GLN:HE22	1:73:B:GLN:HA	6	0.71
(1,3122)	1:73:B:GLN:HE22	1:73:B:GLN:HA	19	0.71
(1,3121)	1:73:A:GLN:HE22	1:73:A:GLN:HA	6	0.71
(1,3121)	1:73:A:GLN:HE22	1:73:A:GLN:HA	19	0.71
(1,3074)	1:60:B:SER:H	1:62:B:LEU:HD12	11	0.71
(1,3073)	1:60:A:SER:H	1:62:A:LEU:HD12	11	0.71
(1,3048)	1:97:B:GLN:HE22	1:96:B:LYS:H	6	0.71
(1,2650)	1:10:B:ASP:H	1:82:A:ILE:HD12	3	0.71
(1,2622)	1:55:B:PHE:H	1:50:B:THR:HG23	12	0.71
(1,2621)	1:55:A:PHE:H	1:50:A:THR:HG23	12	0.71
(1,2621)	1:55:A:PHE:H	1:50:A:THR:HG21	20	0.71
(1,2394)	1:18:B:LYS:H	1:37:B:LEU:HD12	5	0.71
(1,2376)	1:11:B:VAL:H	1:11:B:VAL:HG11	4	0.71
(1,2376)	1:11:B:VAL:H	1:11:B:VAL:HG11	7	0.71
(1,2376)	1:11:B:VAL:H	1:11:B:VAL:HG11	10	0.71
(1,2376)	1:11:B:VAL:H	1:11:B:VAL:HG12	17	0.71
(1,2375)	1:11:A:VAL:H	1:11:A:VAL:HG11	4	0.71
(1,2375)	1:11:A:VAL:H	1:11:A:VAL:HG13	5	0.71
(1,2375)	1:11:A:VAL:H	1:11:A:VAL:HG11	7	0.71
(1,2375)	1:11:A:VAL:H	1:11:A:VAL:HG11	10	0.71
(1,2375)	1:11:A:VAL:H	1:11:A:VAL:HG12	16	0.71
(1,2375)	1:11:A:VAL:H	1:11:A:VAL:HG12	17	0.71
(1,2371)	1:11:A:VAL:H	1:8:A:ALA:HB2	6	0.71
(1,2220)	1:100:B:LYS:H	1:97:B:GLN:HG3	14	0.71
(1,2219)	1:100:A:LYS:H	1:97:A:GLN:HG3	14	0.71
(1,2219)	1:100:A:LYS:H	1:97:A:GLN:HG3	19	0.71
(1,2194)	1:12:B:MET:H	1:79:B:LEU:HD11	6	0.71
(1,2134)	1:25:B:ASP:H	1:28:B:LYS:HG2	15	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2133)	1:25:A:ASP:H	1:28:A:LYS:HG2	15	0.71
(1,2074)	1:15:B:THR:HA	1:5:A:LEU:HD21	4	0.71
(1,1697)	1:9:A:LEU:HB3	1:10:A:ASP:HA	6	0.71
(1,1648)	1:49:B:ARG:HD2	1:49:B:ARG:HA	1	0.71
(1,1648)	1:49:B:ARG:HD2	1:49:B:ARG:HA	14	0.71
(1,1647)	1:49:A:ARG:HD2	1:49:A:ARG:HA	1	0.71
(1,1647)	1:49:A:ARG:HD2	1:49:A:ARG:HA	14	0.71
(1,1602)	1:69:B:GLU:HA	1:34:B:LEU:HD11	16	0.71
(1,1601)	1:69:A:GLU:HA	1:34:A:LEU:HD11	16	0.71
(1,1506)	1:92:B:GLY:HA2	1:91:B:GLU:HG3	9	0.71
(1,1505)	1:92:A:GLY:HA2	1:91:A:GLU:HG3	9	0.71
(1,1472)	1:42:B:LEU:HB3	1:38:B:LEU:H	17	0.71
(1,1471)	1:42:A:LEU:HB3	1:38:A:LEU:H	17	0.71
(1,1203)	1:87:A:ASN:HB3	1:73:B:GLN:HG2	13	0.71
(1,1198)	1:87:B:ASN:HB2	1:76:A:SER:HB2	12	0.71
(1,1154)	1:30:B:ASN:HB3	1:31:B:LYS:HA	20	0.71
(1,1153)	1:30:A:ASN:HB3	1:31:A:LYS:HA	20	0.71
(1,1082)	1:33:B:GLU:HG2	1:29:B:LEU:HB2	3	0.71
(1,1062)	1:88:B:GLU:HG2	1:85:B:MET:HA	15	0.71
(1,1061)	1:88:A:GLU:HG2	1:85:A:MET:HA	15	0.71
(1,1026)	1:41:B:GLU:HG3	1:40:B:ARG:HA	17	0.71
(1,838)	1:34:B:LEU:HD21	1:59:B:MET:HB3	6	0.71
(1,837)	1:34:A:LEU:HD21	1:59:A:MET:HB3	6	0.71
(1,744)	1:39:B:THR:HG21	1:35:B:LYS:HD3	13	0.71
(1,743)	1:39:A:THR:HG21	1:35:A:LYS:HD3	13	0.71
(1,732)	1:52:B:GLU:HB3	1:31:B:LYS:HE2	4	0.71
(1,732)	1:52:B:GLU:HB3	1:31:B:LYS:HE2	18	0.71
(1,731)	1:52:A:GLU:HB3	1:31:A:LYS:HE2	4	0.71
(1,731)	1:52:A:GLU:HB3	1:31:A:LYS:HE2	18	0.71
(1,622)	1:29:B:LEU:HD22	1:70:B:VAL:HG11	4	0.71
(1,600)	1:37:B:LEU:HD13	1:34:B:LEU:HA	5	0.71
(1,599)	1:37:A:LEU:HD13	1:34:A:LEU:HA	5	0.71
(1,574)	1:9:B:LEU:HG	1:83:A:ALA:HB2	9	0.71
(1,574)	1:9:B:LEU:HG	1:83:A:ALA:HB3	12	0.71
(1,574)	1:9:B:LEU:HG	1:83:A:ALA:HB2	20	0.71
(1,416)	1:46:B:LEU:HD21	1:62:B:LEU:HD11	8	0.71
(1,415)	1:46:A:LEU:HD21	1:62:A:LEU:HD11	8	0.71
(1,412)	1:39:B:THR:HG23	1:46:B:LEU:HD21	17	0.71
(1,411)	1:39:A:THR:HG23	1:46:A:LEU:HD21	17	0.71
(1,410)	1:54:B:ALA:HB3	1:46:B:LEU:HD22	6	0.71
(1,409)	1:54:A:ALA:HB3	1:46:A:LEU:HD22	6	0.71
(1,394)	1:46:B:LEU:HD23	1:61:B:ASN:HD21	11	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,394)	1:46:B:LEU:HD22	1:61:B:ASN:HD21	17	0.71
(1,393)	1:46:A:LEU:HD23	1:61:A:ASN:HD21	11	0.71
(1,393)	1:46:A:LEU:HD22	1:61:A:ASN:HD21	17	0.71
(1,371)	1:26:A:LYS:HG2	1:25:A:ASP:HB2	6	0.71
(1,124)	1:2:B:ALA:HB3	1:5:B:LEU:HD13	15	0.71
(1,124)	1:2:B:ALA:HB1	1:5:B:LEU:HD13	20	0.71
(1,123)	1:2:A:ALA:HB3	1:5:A:LEU:HD13	15	0.71
(1,90)	1:54:B:ALA:HB2	1:52:B:GLU:HB2	5	0.71
(1,89)	1:54:A:ALA:HB2	1:52:A:GLU:HB2	5	0.71
(1,18)	1:39:B:THR:HB	1:40:B:ARG:HG2	11	0.71
(1,8)	1:79:B:LEU:HD11	1:9:A:LEU:HD23	1	0.71
(1,7)	1:79:A:LEU:HD11	1:9:B:LEU:HD23	1	0.71
(1,7)	1:79:A:LEU:HD11	1:9:B:LEU:HD21	10	0.71
(1,1)	1:96:A:LYS:HD2	1:75:B:TYR:HB3	7	0.71
(2,294)	1:21:B:GLY:H	1:26:B:LYS:HB3	16	0.7
(2,68)	1:59:B:MET:HB3	1:34:B:LEU:HB3	15	0.7
(1,4600)	1:99:B:ARG:H	1:101:B:LYS:HE3	3	0.7
(1,4599)	1:99:A:ARG:H	1:101:A:LYS:HE3	3	0.7
(1,4584)	1:36:B:GLU:H	1:34:B:LEU:HD21	14	0.7
(1,4583)	1:36:A:GLU:H	1:34:A:LEU:HD21	14	0.7
(1,4524)	1:80:B:SER:H	1:79:B:LEU:HD21	7	0.7
(1,4523)	1:80:A:SER:H	1:79:A:LEU:HD21	7	0.7
(1,4506)	1:32:B:SER:H	1:31:B:LYS:HE2	10	0.7
(1,4501)	1:87:A:ASN:HD21	1:89:A:PHE:HA	5	0.7
(1,4482)	1:14:B:SER:H	1:79:B:LEU:HD13	14	0.7
(1,4478)	1:86:B:SER:H	1:13:A:VAL:HG12	17	0.7
(1,4477)	1:86:A:SER:H	1:13:B:VAL:HG13	4	0.7
(1,4458)	1:68:B:ASN:H	1:66:B:ARG:HB2	3	0.7
(1,4434)	1:38:B:LEU:H	1:55:B:PHE:HB3	11	0.7
(1,4434)	1:38:B:LEU:H	1:55:B:PHE:HB3	15	0.7
(1,4433)	1:38:A:LEU:H	1:55:A:PHE:HB3	11	0.7
(1,4433)	1:38:A:LEU:H	1:55:A:PHE:HB3	15	0.7
(1,4428)	1:34:B:LEU:H	1:22:B:LYS:HE3	18	0.7
(1,4428)	1:34:B:LEU:H	1:22:B:LYS:HE2	20	0.7
(1,4427)	1:34:A:LEU:H	1:22:A:LYS:HE3	18	0.7
(1,4427)	1:34:A:LEU:H	1:22:A:LYS:HE2	20	0.7
(1,4422)	1:46:B:LEU:H	1:7:A:LYS:HD2	16	0.7
(1,4421)	1:46:A:LEU:H	1:7:B:LYS:HD2	16	0.7
(1,4362)	1:9:B:LEU:H	1:11:B:VAL:HB	5	0.7
(1,4361)	1:9:A:LEU:H	1:11:A:VAL:HB	5	0.7
(1,4356)	1:79:B:LEU:H	1:82:B:ILE:HG13	4	0.7
(1,4355)	1:79:A:LEU:H	1:82:A:ILE:HG13	4	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4346)	1:16:B:PHE:H	1:2:A:ALA:HB2	16	0.7
(1,4328)	1:58:B:LEU:H	1:56:B:GLN:HB3	5	0.7
(1,4327)	1:58:A:LEU:H	1:56:A:GLN:HB3	5	0.7
(1,4178)	1:60:B:SER:HB3	1:58:B:LEU:HB3	4	0.7
(1,4177)	1:60:A:SER:HB3	1:58:A:LEU:HB3	4	0.7
(1,4149)	1:76:A:SER:HB3	1:82:B:ILE:HB	4	0.7
(1,4118)	1:64:B:SER:HA	1:60:B:SER:HB2	1	0.7
(1,4117)	1:64:A:SER:HA	1:60:A:SER:HB2	1	0.7
(1,4070)	1:17:B:HIS:HA	1:26:B:LYS:HG2	20	0.7
(1,4069)	1:17:A:HIS:HA	1:26:A:LYS:HG2	20	0.7
(1,4030)	1:49:B:ARG:HA	1:46:B:LEU:HD23	5	0.7
(1,4029)	1:49:A:ARG:HA	1:46:A:LEU:HD23	5	0.7
(1,4028)	1:83:B:ALA:HA	1:9:A:LEU:HB3	1	0.7
(1,4028)	1:83:B:ALA:HA	1:9:A:LEU:HB3	14	0.7
(1,4027)	1:83:A:ALA:HA	1:9:B:LEU:HB3	1	0.7
(1,4027)	1:83:A:ALA:HA	1:9:B:LEU:HB3	14	0.7
(1,4004)	1:61:B:ASN:HA	1:64:B:SER:H	8	0.7
(1,4004)	1:61:B:ASN:HA	1:64:B:SER:H	16	0.7
(1,4002)	1:69:B:GLU:HA	1:31:B:LYS:HB2	10	0.7
(1,4001)	1:69:A:GLU:HA	1:31:A:LYS:HB2	10	0.7
(1,3888)	1:7:B:LYS:HE2	1:11:B:VAL:HG23	20	0.7
(1,3887)	1:7:A:LYS:HE2	1:11:A:VAL:HG23	20	0.7
(1,3854)	1:32:B:SER:H	1:31:B:LYS:HE2	10	0.7
(1,3820)	1:79:B:LEU:HB2	1:79:A:LEU:HB2	9	0.7
(1,3819)	1:79:A:LEU:HB2	1:79:B:LEU:HB2	9	0.7
(1,3815)	1:79:A:LEU:HB3	1:6:B:GLU:HA	6	0.7
(1,3766)	1:87:B:ASN:HB3	1:89:B:PHE:HB3	8	0.7
(1,3765)	1:87:A:ASN:HB3	1:89:A:PHE:HB3	8	0.7
(1,3733)	1:36:A:GLU:HG3	1:40:A:ARG:HB2	6	0.7
(1,3628)	1:59:B:MET:HB3	1:55:B:PHE:HB3	4	0.7
(1,3627)	1:59:A:MET:HB3	1:55:A:PHE:HB3	4	0.7
(1,3604)	1:31:B:LYS:HD3	1:35:B:LYS:H	7	0.7
(1,3603)	1:31:A:LYS:HD3	1:35:A:LYS:H	7	0.7
(1,3596)	1:11:B:VAL:HG21	1:7:B:LYS:HD3	11	0.7
(1,3596)	1:11:B:VAL:HG22	1:7:B:LYS:HD3	14	0.7
(1,3595)	1:11:A:VAL:HG22	1:7:A:LYS:HD3	10	0.7
(1,3595)	1:11:A:VAL:HG22	1:7:A:LYS:HD3	14	0.7
(1,3561)	1:56:A:GLN:HB3	1:53:A:ALA:HB1	19	0.7
(1,3546)	1:29:B:LEU:HD23	1:22:B:LYS:HE3	6	0.7
(1,3546)	1:29:B:LEU:HD23	1:22:B:LYS:HE3	12	0.7
(1,3527)	1:5:A:LEU:HG	1:10:A:ASP:H	3	0.7
(1,3521)	1:38:A:LEU:HD21	1:35:A:LYS:H	20	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3493)	1:79:A:LEU:HD21	1:15:A:THR:HB	19	0.7
(1,3462)	1:29:B:LEU:HD11	1:69:B:GLU:HA	4	0.7
(1,3461)	1:29:A:LEU:HD11	1:69:A:GLU:HA	4	0.7
(1,3442)	1:58:B:LEU:HD12	1:38:B:LEU:HB3	19	0.7
(1,3441)	1:58:A:LEU:HD12	1:38:A:LEU:HB3	19	0.7
(1,3440)	1:58:B:LEU:HD12	1:38:B:LEU:HB3	19	0.7
(1,3439)	1:58:A:LEU:HD12	1:38:A:LEU:HB3	19	0.7
(1,3334)	1:83:B:ALA:HB3	1:82:B:ILE:HG22	2	0.7
(1,3333)	1:83:A:ALA:HB3	1:82:A:ILE:HG22	2	0.7
(1,3131)	1:73:A:GLN:HE22	1:62:A:LEU:HD23	8	0.7
(1,3124)	1:73:B:GLN:HE22	1:78:B:PHE:HB2	1	0.7
(1,3122)	1:73:B:GLN:HE22	1:73:B:GLN:HA	5	0.7
(1,3122)	1:73:B:GLN:HE22	1:73:B:GLN:HA	14	0.7
(1,3122)	1:73:B:GLN:HE22	1:73:B:GLN:HA	17	0.7
(1,3121)	1:73:A:GLN:HE22	1:73:A:GLN:HA	5	0.7
(1,3121)	1:73:A:GLN:HE22	1:73:A:GLN:HA	14	0.7
(1,3121)	1:73:A:GLN:HE22	1:73:A:GLN:HA	17	0.7
(1,3074)	1:60:B:SER:H	1:62:B:LEU:HD11	6	0.7
(1,3047)	1:97:A:GLN:HE22	1:96:A:LYS:H	6	0.7
(1,2924)	1:66:B:ARG:H	1:66:B:ARG:HB3	15	0.7
(1,2923)	1:66:A:ARG:H	1:66:A:ARG:HB3	15	0.7
(1,2720)	1:61:B:ASN:H	1:66:B:ARG:HD2	19	0.7
(1,2564)	1:27:B:PHE:H	1:28:B:LYS:HG2	16	0.7
(1,2563)	1:27:A:PHE:H	1:28:A:LYS:HG2	16	0.7
(1,2518)	1:58:B:LEU:H	1:62:B:LEU:HD12	4	0.7
(1,2518)	1:58:B:LEU:H	1:62:B:LEU:HD12	6	0.7
(1,2517)	1:58:A:LEU:H	1:62:A:LEU:HD12	4	0.7
(1,2376)	1:11:B:VAL:H	1:11:B:VAL:HG13	5	0.7
(1,2376)	1:11:B:VAL:H	1:11:B:VAL:HG12	11	0.7
(1,2376)	1:11:B:VAL:H	1:11:B:VAL:HG12	12	0.7
(1,2376)	1:11:B:VAL:H	1:11:B:VAL:HG11	13	0.7
(1,2376)	1:11:B:VAL:H	1:11:B:VAL:HG11	20	0.7
(1,2375)	1:11:A:VAL:H	1:11:A:VAL:HG12	11	0.7
(1,2375)	1:11:A:VAL:H	1:11:A:VAL:HG12	12	0.7
(1,2375)	1:11:A:VAL:H	1:11:A:VAL:HG11	13	0.7
(1,2375)	1:11:A:VAL:H	1:11:A:VAL:HG11	20	0.7
(1,2372)	1:11:B:VAL:H	1:8:B:ALA:HB1	5	0.7
(1,2372)	1:11:B:VAL:H	1:8:B:ALA:HB1	10	0.7
(1,2371)	1:11:A:VAL:H	1:8:A:ALA:HB1	5	0.7
(1,2371)	1:11:A:VAL:H	1:8:A:ALA:HB1	10	0.7
(1,2220)	1:100:B:LYS:H	1:97:B:GLN:HG3	8	0.7
(1,2220)	1:100:B:LYS:H	1:97:B:GLN:HG3	19	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2219)	1:100:A:LYS:H	1:97:A:GLN:HG3	8	0.7
(1,2214)	1:30:B:ASN:H	1:34:B:LEU:HD12	17	0.7
(1,2213)	1:30:A:ASN:H	1:34:A:LEU:HD12	17	0.7
(1,2193)	1:12:A:MET:H	1:79:A:LEU:HD11	6	0.7
(1,2164)	1:70:B:VAL:H	1:29:B:LEU:HB3	12	0.7
(1,2163)	1:70:A:VAL:H	1:29:A:LEU:HB3	12	0.7
(1,2075)	1:50:A:THR:HB	1:35:A:LYS:HE2	13	0.7
(1,1993)	1:60:A:SER:HB2	1:61:A:ASN:HB3	18	0.7
(1,1836)	1:37:B:LEU:HA	1:40:B:ARG:HB3	20	0.7
(1,1835)	1:37:A:LEU:HA	1:40:A:ARG:HB3	20	0.7
(1,1654)	1:83:B:ALA:HA	1:82:B:ILE:HD13	10	0.7
(1,1653)	1:83:A:ALA:HA	1:82:A:ILE:HD13	10	0.7
(1,1602)	1:69:B:GLU:HA	1:34:B:LEU:HD12	17	0.7
(1,1601)	1:69:A:GLU:HA	1:34:A:LEU:HD12	17	0.7
(1,1518)	1:21:B:GLY:HA2	1:26:B:LYS:HE3	5	0.7
(1,1517)	1:21:A:GLY:HA2	1:26:A:LYS:HE3	5	0.7
(1,1506)	1:92:B:GLY:HA3	1:91:B:GLU:HG3	20	0.7
(1,1505)	1:92:A:GLY:HA3	1:91:A:GLU:HG3	20	0.7
(1,1504)	1:92:B:GLY:HA2	1:90:B:PHE:HB3	5	0.7
(1,1503)	1:92:A:GLY:HA2	1:90:A:PHE:HB3	5	0.7
(1,1408)	1:39:B:THR:HG21	1:40:B:ARG:HD3	2	0.7
(1,1408)	1:39:B:THR:HG23	1:40:B:ARG:HD3	19	0.7
(1,1407)	1:39:A:THR:HG21	1:40:A:ARG:HD3	2	0.7
(1,1407)	1:39:A:THR:HG23	1:40:A:ARG:HD3	19	0.7
(1,1368)	1:18:B:LYS:HE2	1:11:B:VAL:HG12	6	0.7
(1,1252)	1:63:B:ASP:HB2	1:60:B:SER:HA	16	0.7
(1,1251)	1:63:A:ASP:HB2	1:60:A:SER:HA	16	0.7
(1,1212)	1:28:B:LYS:HB3	1:70:B:VAL:HG11	1	0.7
(1,1211)	1:28:A:LYS:HB3	1:70:A:VAL:HG11	1	0.7
(1,1204)	1:87:B:ASN:HB3	1:73:A:GLN:HG2	5	0.7
(1,1203)	1:87:A:ASN:HB3	1:73:B:GLN:HG2	5	0.7
(1,1197)	1:87:A:ASN:HB2	1:76:B:SER:HB2	12	0.7
(1,1154)	1:30:B:ASN:HB3	1:31:B:LYS:HA	4	0.7
(1,1154)	1:30:B:ASN:HB3	1:31:B:LYS:HA	14	0.7
(1,1153)	1:30:A:ASN:HB3	1:31:A:LYS:HA	4	0.7
(1,1153)	1:30:A:ASN:HB3	1:31:A:LYS:HA	14	0.7
(1,1081)	1:33:A:GLU:HG2	1:29:A:LEU:HB2	3	0.7
(1,1025)	1:41:A:GLU:HG3	1:40:A:ARG:HA	17	0.7
(1,744)	1:39:B:THR:HG23	1:35:B:LYS:HD3	6	0.7
(1,743)	1:39:A:THR:HG23	1:35:A:LYS:HD3	6	0.7
(1,622)	1:29:B:LEU:HD22	1:70:B:VAL:HG11	16	0.7
(1,621)	1:29:A:LEU:HD22	1:70:A:VAL:HG11	4	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,621)	1:29:A:LEU:HD22	1:70:A:VAL:HG11	16	0.7
(1,614)	1:29:B:LEU:HD21	1:22:B:LYS:HD3	3	0.7
(1,614)	1:29:B:LEU:HD23	1:22:B:LYS:HD2	16	0.7
(1,613)	1:29:A:LEU:HD21	1:22:A:LYS:HD3	3	0.7
(1,613)	1:29:A:LEU:HD23	1:22:A:LYS:HD2	16	0.7
(1,600)	1:37:B:LEU:HD11	1:34:B:LEU:HA	8	0.7
(1,599)	1:37:A:LEU:HD11	1:34:A:LEU:HA	8	0.7
(1,573)	1:9:A:LEU:HG	1:83:B:ALA:HB1	4	0.7
(1,573)	1:9:A:LEU:HG	1:83:B:ALA:HB2	9	0.7
(1,573)	1:9:A:LEU:HG	1:83:B:ALA:HB3	14	0.7
(1,412)	1:39:B:THR:HG22	1:46:B:LEU:HD22	2	0.7
(1,411)	1:39:A:THR:HG22	1:46:A:LEU:HD22	2	0.7
(1,394)	1:46:B:LEU:HD21	1:61:B:ASN:HD21	15	0.7
(1,393)	1:46:A:LEU:HD21	1:61:A:ASN:HD21	15	0.7
(1,372)	1:26:B:LYS:HG2	1:25:B:ASP:HB2	6	0.7
(1,126)	1:77:B:VAL:HG13	1:76:B:SER:H	17	0.7
(1,125)	1:77:A:VAL:HG13	1:76:A:SER:H	17	0.7
(1,123)	1:2:A:ALA:HB1	1:5:A:LEU:HD13	20	0.7
(1,122)	1:2:B:ALA:HB3	1:37:A:LEU:HG	6	0.7
(1,121)	1:2:A:ALA:HB3	1:37:B:LEU:HG	6	0.7
(1,90)	1:54:B:ALA:HB2	1:52:B:GLU:HB2	4	0.7
(1,90)	1:54:B:ALA:HB1	1:52:B:GLU:HB2	19	0.7
(1,89)	1:54:A:ALA:HB2	1:52:A:GLU:HB2	4	0.7
(1,89)	1:54:A:ALA:HB1	1:52:A:GLU:HB2	19	0.7
(1,8)	1:79:B:LEU:HD12	1:9:A:LEU:HD23	4	0.7
(1,8)	1:79:B:LEU:HD11	1:9:A:LEU:HD21	10	0.7
(1,8)	1:79:B:LEU:HD13	1:9:A:LEU:HD23	15	0.7
(1,7)	1:79:A:LEU:HD12	1:9:B:LEU:HD23	4	0.7
(1,2)	1:96:B:LYS:HD2	1:75:A:TYR:HB3	7	0.7
(2,276)	1:20:B:SER:H	1:29:B:LEU:HB2	14	0.69
(2,276)	1:20:B:SER:H	1:29:B:LEU:HB2	20	0.69
(2,275)	1:20:A:SER:H	1:29:A:LEU:HB2	14	0.69
(2,275)	1:20:A:SER:H	1:29:A:LEU:HB2	20	0.69
(1,4599)	1:73:A:GLN:H	1:75:A:TYR:HB3	12	0.69
(1,4502)	1:87:B:ASN:HD21	1:89:B:PHE:HA	5	0.69
(1,4481)	1:14:A:SER:H	1:79:A:LEU:HD13	14	0.69
(1,4478)	1:85:B:MET:H	1:82:B:ILE:HG13	3	0.69
(1,4477)	1:85:A:MET:H	1:82:A:ILE:HG13	3	0.69
(1,4458)	1:68:B:ASN:H	1:66:B:ARG:HB2	4	0.69
(1,4457)	1:68:A:ASN:H	1:66:A:ARG:HB2	4	0.69
(1,4454)	1:69:B:GLU:H	1:31:B:LYS:HG2	4	0.69
(1,4453)	1:69:A:GLU:H	1:31:A:LYS:HG2	4	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4428)	1:34:B:LEU:H	1:22:B:LYS:HE3	1	0.69
(1,4427)	1:34:A:LEU:H	1:22:A:LYS:HE3	1	0.69
(1,4422)	1:46:B:LEU:H	1:7:A:LYS:HD2	4	0.69
(1,4422)	1:46:B:LEU:H	1:7:A:LYS:HD2	10	0.69
(1,4421)	1:35:A:LYS:H	1:59:A:MET:HB2	4	0.69
(1,4421)	1:46:A:LEU:H	1:7:B:LYS:HD2	10	0.69
(1,4356)	1:79:B:LEU:H	1:82:B:ILE:HG13	10	0.69
(1,4356)	1:79:B:LEU:H	1:82:B:ILE:HG13	14	0.69
(1,4355)	1:79:A:LEU:H	1:82:A:ILE:HG13	10	0.69
(1,4350)	1:16:B:PHE:H	1:79:B:LEU:HD13	3	0.69
(1,4349)	1:16:A:PHE:H	1:79:A:LEU:HD13	3	0.69
(1,4346)	1:16:B:PHE:H	1:2:A:ALA:HB2	15	0.69
(1,4328)	1:58:B:LEU:H	1:56:B:GLN:HB3	11	0.69
(1,4327)	1:58:A:LEU:H	1:56:A:GLN:HB3	11	0.69
(1,4163)	1:14:A:SER:HB3	1:18:A:LYS:HD3	6	0.69
(1,4004)	1:59:B:MET:H	1:61:B:ASN:HA	5	0.69
(1,4004)	1:59:B:MET:H	1:61:B:ASN:HA	6	0.69
(1,4003)	1:59:A:MET:H	1:61:A:ASN:HA	5	0.69
(1,4003)	1:59:A:MET:H	1:61:A:ASN:HA	6	0.69
(1,4003)	1:61:A:ASN:HA	1:64:A:SER:H	8	0.69
(1,3926)	1:46:B:LEU:HD23	1:49:B:ARG:HD3	15	0.69
(1,3925)	1:46:A:LEU:HD23	1:49:A:ARG:HD3	15	0.69
(1,3920)	1:40:B:ARG:HD2	1:19:B:TYR:HB3	15	0.69
(1,3919)	1:40:A:ARG:HD2	1:19:A:TYR:HB3	15	0.69
(1,3880)	1:51:B:ASP:HB3	1:56:B:GLN:HB3	18	0.69
(1,3879)	1:51:A:ASP:HB3	1:56:A:GLN:HB3	18	0.69
(1,3860)	1:31:B:LYS:HE2	1:53:B:ALA:HA	3	0.69
(1,3859)	1:31:A:LYS:HE2	1:53:A:ALA:HA	3	0.69
(1,3840)	1:25:B:ASP:HB2	1:28:B:LYS:HG3	2	0.69
(1,3839)	1:25:A:ASP:HB2	1:28:A:LYS:HG3	2	0.69
(1,3770)	1:16:B:PHE:HB2	1:87:A:ASN:HB2	16	0.69
(1,3732)	1:69:B:GLU:HB3	1:29:B:LEU:HD11	11	0.69
(1,3731)	1:69:A:GLU:HB3	1:29:A:LEU:HD11	11	0.69
(1,3696)	1:56:B:GLN:HG2	1:55:B:PHE:HB3	20	0.69
(1,3695)	1:56:A:GLN:HG2	1:55:A:PHE:HB3	20	0.69
(1,3634)	1:43:B:PRO:HB3	1:7:A:LYS:HG3	13	0.69
(1,3633)	1:43:A:PRO:HB3	1:7:B:LYS:HG3	13	0.69
(1,3604)	1:31:B:LYS:HD3	1:35:B:LYS:H	9	0.69
(1,3603)	1:31:A:LYS:HD3	1:35:A:LYS:H	9	0.69
(1,3595)	1:11:A:VAL:HG21	1:7:A:LYS:HD3	11	0.69
(1,3576)	1:88:B:GLU:HB2	1:90:B:PHE:HB3	8	0.69
(1,3575)	1:88:A:GLU:HB2	1:90:A:PHE:HB3	8	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3545)	1:29:A:LEU:HD23	1:22:A:LYS:HE3	6	0.69
(1,3528)	1:5:B:LEU:HG	1:10:B:ASP:H	3	0.69
(1,3528)	1:5:B:LEU:HG	1:10:A:ASP:H	5	0.69
(1,3527)	1:5:A:LEU:HG	1:10:B:ASP:H	5	0.69
(1,3522)	1:38:B:LEU:HD21	1:35:B:LYS:H	20	0.69
(1,3344)	1:77:B:VAL:HG12	1:84:A:MET:HG2	4	0.69
(1,3343)	1:77:A:VAL:HG12	1:84:B:MET:HG2	4	0.69
(1,3334)	1:83:B:ALA:HB3	1:82:B:ILE:HG22	3	0.69
(1,3333)	1:83:A:ALA:HB3	1:82:A:ILE:HG22	3	0.69
(1,3214)	1:47:B:GLY:H	1:82:B:ILE:HD11	19	0.69
(1,3213)	1:47:A:GLY:H	1:82:A:ILE:HD11	19	0.69
(1,3164)	1:21:B:GLY:H	1:37:B:LEU:HD12	8	0.69
(1,3163)	1:21:A:GLY:H	1:37:A:LEU:HD12	8	0.69
(1,3132)	1:73:B:GLN:HE22	1:62:B:LEU:HD23	8	0.69
(1,3123)	1:73:A:GLN:HE22	1:78:A:PHE:HB2	1	0.69
(1,3122)	1:73:B:GLN:HE22	1:73:B:GLN:HA	7	0.69
(1,3122)	1:73:B:GLN:HE22	1:73:B:GLN:HA	15	0.69
(1,3122)	1:73:B:GLN:HE22	1:73:B:GLN:HA	18	0.69
(1,3121)	1:73:A:GLN:HE22	1:73:A:GLN:HA	7	0.69
(1,3121)	1:73:A:GLN:HE22	1:73:A:GLN:HA	15	0.69
(1,3121)	1:73:A:GLN:HE22	1:73:A:GLN:HA	18	0.69
(1,3074)	1:60:B:SER:H	1:62:B:LEU:HD13	16	0.69
(1,3073)	1:60:A:SER:H	1:62:A:LEU:HD11	6	0.69
(1,2923)	1:66:A:ARG:H	1:66:A:ARG:HB3	7	0.69
(1,2785)	1:89:A:PHE:H	1:13:B:VAL:HG12	10	0.69
(1,2720)	1:61:B:ASN:H	1:66:B:ARG:HD2	4	0.69
(1,2719)	1:61:A:ASN:H	1:66:A:ARG:HD2	19	0.69
(1,2518)	1:58:B:LEU:H	1:62:B:LEU:HD13	2	0.69
(1,2517)	1:58:A:LEU:H	1:62:A:LEU:HD13	2	0.69
(1,2517)	1:58:A:LEU:H	1:62:A:LEU:HD12	6	0.69
(1,2376)	1:11:B:VAL:H	1:11:B:VAL:HG11	14	0.69
(1,2375)	1:11:A:VAL:H	1:11:A:VAL:HG11	14	0.69
(1,2355)	1:54:A:ALA:H	1:46:A:LEU:HD13	6	0.69
(1,2316)	1:78:B:PHE:H	1:84:A:MET:HG2	8	0.69
(1,2315)	1:78:A:PHE:H	1:84:B:MET:HG2	8	0.69
(1,1994)	1:60:B:SER:HB2	1:61:B:ASN:HB3	18	0.69
(1,1697)	1:9:A:LEU:HB3	1:10:A:ASP:HA	10	0.69
(1,1506)	1:92:B:GLY:HA2	1:91:B:GLU:HG3	14	0.69
(1,1505)	1:92:A:GLY:HA2	1:91:A:GLU:HG3	14	0.69
(1,1367)	1:18:A:LYS:HE2	1:11:A:VAL:HG12	6	0.69
(1,1228)	1:57:B:LYS:HE2	1:56:B:GLN:HA	20	0.69
(1,1227)	1:57:A:LYS:HE2	1:56:A:GLN:HA	20	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1204)	1:87:B:ASN:HB3	1:73:A:GLN:HG2	13	0.69
(1,1076)	1:31:B:LYS:HD3	1:52:B:GLU:HG2	14	0.69
(1,1075)	1:31:A:LYS:HD3	1:52:A:GLU:HG2	14	0.69
(1,744)	1:39:B:THR:HG21	1:35:B:LYS:HD3	15	0.69
(1,622)	1:29:B:LEU:HD21	1:70:B:VAL:HG11	1	0.69
(1,621)	1:29:A:LEU:HD21	1:70:A:VAL:HG11	1	0.69
(1,584)	1:29:B:LEU:HD22	1:33:B:GLU:H	7	0.69
(1,583)	1:29:A:LEU:HD22	1:33:A:GLU:H	7	0.69
(1,574)	1:9:B:LEU:HG	1:83:A:ALA:HB1	4	0.69
(1,574)	1:9:B:LEU:HG	1:83:A:ALA:HB3	14	0.69
(1,574)	1:9:B:LEU:HG	1:83:A:ALA:HB1	18	0.69
(1,573)	1:9:A:LEU:HG	1:83:B:ALA:HB3	12	0.69
(1,560)	1:94:B:PRO:HG2	1:101:B:LYS:HE3	10	0.69
(1,559)	1:94:A:PRO:HG2	1:101:A:LYS:HE3	10	0.69
(1,482)	1:79:B:LEU:HD21	1:12:B:MET:HB2	6	0.69
(1,481)	1:79:A:LEU:HD21	1:12:A:MET:HB2	6	0.69
(1,480)	1:79:B:LEU:HG	1:12:B:MET:HB3	8	0.69
(1,479)	1:79:A:LEU:HG	1:12:A:MET:HB3	8	0.69
(1,420)	1:22:B:LYS:HG3	1:21:B:GLY:H	16	0.69
(1,419)	1:22:A:LYS:HG3	1:21:A:GLY:H	16	0.69
(1,394)	1:46:B:LEU:HD23	1:61:B:ASN:HD21	2	0.69
(1,393)	1:46:A:LEU:HD23	1:61:A:ASN:HD21	2	0.69
(1,122)	1:2:B:ALA:HB3	1:37:A:LEU:HG	7	0.69
(1,121)	1:2:A:ALA:HB3	1:37:B:LEU:HG	7	0.69
(1,106)	1:83:B:ALA:HB2	1:82:B:ILE:HD11	9	0.69
(1,105)	1:83:A:ALA:HB2	1:82:A:ILE:HD11	9	0.69
(1,90)	1:54:B:ALA:HB2	1:52:B:GLU:HB2	10	0.69
(1,89)	1:54:A:ALA:HB2	1:52:A:GLU:HB2	10	0.69
(1,89)	1:54:A:ALA:HB1	1:52:A:GLU:HB2	15	0.69
(1,18)	1:39:B:THR:HB	1:40:B:ARG:HG2	18	0.69
(1,17)	1:39:A:THR:HB	1:40:A:ARG:HG2	18	0.69
(1,7)	1:79:A:LEU:HD13	1:9:B:LEU:HD23	15	0.69
(2,46)	1:59:B:MET:HG3	1:66:B:ARG:HD2	4	0.68
(1,4600)	1:73:B:GLN:H	1:75:B:TYR:HB3	12	0.68
(1,4569)	1:30:A:ASN:HD22	1:34:A:LEU:HD12	7	0.68
(1,4543)	1:97:A:GLN:HE21	1:98:A:PRO:HD3	14	0.68
(1,4526)	1:68:B:ASN:HD21	1:56:B:GLN:HA	5	0.68
(1,4525)	1:68:A:ASN:HD21	1:56:A:GLN:HA	5	0.68
(1,4502)	1:87:B:ASN:HD21	1:86:B:SER:HA	17	0.68
(1,4501)	1:87:A:ASN:HD21	1:86:A:SER:HA	17	0.68
(1,4488)	1:17:B:HIS:H	1:26:B:LYS:HD2	20	0.68
(1,4487)	1:17:A:HIS:H	1:26:A:LYS:HD2	20	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4478)	1:86:B:SER:H	1:13:A:VAL:HG11	8	0.68
(1,4464)	1:31:B:LYS:H	1:34:B:LEU:HD22	14	0.68
(1,4454)	1:69:B:GLU:H	1:28:B:LYS:HG3	16	0.68
(1,4448)	1:69:B:GLU:H	1:28:B:LYS:HA	11	0.68
(1,4422)	1:35:B:LYS:H	1:59:B:MET:HB2	9	0.68
(1,4421)	1:35:A:LYS:H	1:59:A:MET:HB2	9	0.68
(1,4410)	1:61:B:ASN:H	1:58:B:LEU:HD11	14	0.68
(1,4384)	1:76:B:SER:H	1:83:A:ALA:HB3	6	0.68
(1,4362)	1:9:B:LEU:H	1:11:B:VAL:HB	13	0.68
(1,4362)	1:9:B:LEU:H	1:11:B:VAL:HB	19	0.68
(1,4361)	1:9:A:LEU:H	1:11:A:VAL:HB	13	0.68
(1,4356)	1:79:B:LEU:H	1:82:B:ILE:HG13	19	0.68
(1,4355)	1:79:A:LEU:H	1:82:A:ILE:HG13	14	0.68
(1,4355)	1:79:A:LEU:H	1:82:A:ILE:HG13	19	0.68
(1,4348)	1:16:B:PHE:H	1:37:B:LEU:HD13	6	0.68
(1,4340)	1:13:B:VAL:H	1:79:B:LEU:HD12	14	0.68
(1,4328)	1:58:B:LEU:H	1:56:B:GLN:HB3	10	0.68
(1,4327)	1:58:A:LEU:H	1:56:A:GLN:HB3	10	0.68
(1,4200)	1:50:B:THR:HB	1:49:B:ARG:HD2	15	0.68
(1,4199)	1:50:A:THR:HB	1:49:A:ARG:HD2	15	0.68
(1,4194)	1:77:B:VAL:HA	1:83:A:ALA:HB3	4	0.68
(1,4193)	1:77:A:VAL:HA	1:83:B:ALA:HB3	4	0.68
(1,4164)	1:14:B:SER:HB3	1:18:B:LYS:HD3	6	0.68
(1,4157)	1:32:A:SER:HB3	1:23:A:GLU:HG2	1	0.68
(1,4150)	1:76:B:SER:HB3	1:82:A:ILE:HB	13	0.68
(1,4004)	1:59:B:MET:H	1:61:B:ASN:HA	3	0.68
(1,4003)	1:59:A:MET:H	1:61:A:ASN:HA	3	0.68
(1,3950)	1:21:B:GLY:HA3	1:22:B:LYS:HD3	1	0.68
(1,3949)	1:21:A:GLY:HA3	1:22:A:LYS:HD3	1	0.68
(1,3772)	1:85:B:MET:HG2	1:89:B:PHE:HB2	13	0.68
(1,3769)	1:16:A:PHE:HB2	1:87:B:ASN:HB2	16	0.68
(1,3734)	1:36:B:GLU:HG3	1:40:B:ARG:HB2	1	0.68
(1,3734)	1:36:B:GLU:HG3	1:40:B:ARG:HB2	4	0.68
(1,3734)	1:36:B:GLU:HG3	1:40:B:ARG:HB2	17	0.68
(1,3733)	1:36:A:GLU:HG3	1:40:A:ARG:HB2	1	0.68
(1,3733)	1:36:A:GLU:HG3	1:40:A:ARG:HB2	17	0.68
(1,3633)	1:43:A:PRO:HB3	1:7:B:LYS:HG3	7	0.68
(1,3588)	1:97:B:GLN:HB3	1:101:B:LYS:HD3	18	0.68
(1,3587)	1:97:A:GLN:HB3	1:101:A:LYS:HD3	18	0.68
(1,3576)	1:88:B:GLU:HB2	1:90:B:PHE:HB3	10	0.68
(1,3575)	1:88:A:GLU:HB2	1:90:A:PHE:HB3	10	0.68
(1,3528)	1:5:B:LEU:HG	1:10:B:ASP:H	1	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3524)	1:38:B:LEU:HD23	1:55:B:PHE:HB3	11	0.68
(1,3523)	1:38:A:LEU:HD23	1:55:A:PHE:HB3	11	0.68
(1,3497)	1:79:A:LEU:HG	1:80:A:SER:HB2	16	0.68
(1,3462)	1:29:B:LEU:HD12	1:69:B:GLU:HA	19	0.68
(1,3461)	1:29:A:LEU:HD12	1:69:A:GLU:HA	19	0.68
(1,3369)	1:50:A:THR:HG21	1:49:A:ARG:HD2	10	0.68
(1,3344)	1:77:B:VAL:HG13	1:84:A:MET:HG2	19	0.68
(1,3334)	1:83:B:ALA:HB2	1:82:B:ILE:HG21	10	0.68
(1,3333)	1:83:A:ALA:HB2	1:82:A:ILE:HG21	10	0.68
(1,3074)	1:60:B:SER:H	1:62:B:LEU:HD13	7	0.68
(1,3074)	1:60:B:SER:H	1:62:B:LEU:HD13	9	0.68
(1,3074)	1:60:B:SER:H	1:62:B:LEU:HD11	18	0.68
(1,3073)	1:60:A:SER:H	1:62:A:LEU:HD13	7	0.68
(1,3073)	1:60:A:SER:H	1:62:A:LEU:HD13	9	0.68
(1,3073)	1:60:A:SER:H	1:62:A:LEU:HD13	16	0.68
(1,3073)	1:60:A:SER:H	1:62:A:LEU:HD11	18	0.68
(1,2924)	1:66:B:ARG:H	1:66:B:ARG:HB3	6	0.68
(1,2924)	1:66:B:ARG:H	1:66:B:ARG:HB3	7	0.68
(1,2923)	1:66:A:ARG:H	1:66:A:ARG:HB3	6	0.68
(1,2786)	1:89:B:PHE:H	1:13:A:VAL:HG12	10	0.68
(1,2722)	1:61:B:ASN:H	1:61:B:ASN:HB3	5	0.68
(1,2722)	1:61:B:ASN:H	1:61:B:ASN:HB3	13	0.68
(1,2722)	1:61:B:ASN:H	1:61:B:ASN:HB3	20	0.68
(1,2721)	1:61:A:ASN:H	1:61:A:ASN:HB3	13	0.68
(1,2721)	1:61:A:ASN:H	1:61:A:ASN:HB3	20	0.68
(1,2719)	1:61:A:ASN:H	1:66:A:ARG:HD2	4	0.68
(1,2376)	1:11:B:VAL:H	1:11:B:VAL:HG11	3	0.68
(1,2375)	1:11:A:VAL:H	1:11:A:VAL:HG11	3	0.68
(1,2372)	1:11:B:VAL:H	1:8:B:ALA:HB1	1	0.68
(1,2372)	1:11:B:VAL:H	1:8:B:ALA:HB1	13	0.68
(1,2371)	1:11:A:VAL:H	1:8:A:ALA:HB1	1	0.68
(1,2371)	1:11:A:VAL:H	1:8:A:ALA:HB1	13	0.68
(1,2356)	1:54:B:ALA:H	1:46:B:LEU:HD13	6	0.68
(1,2355)	1:54:A:ALA:H	1:46:A:LEU:HD11	2	0.68
(1,2194)	1:12:B:MET:H	1:79:B:LEU:HD11	8	0.68
(1,2193)	1:12:A:MET:H	1:79:A:LEU:HD13	8	0.68
(1,2076)	1:50:B:THR:HB	1:35:B:LYS:HE2	13	0.68
(1,1996)	1:32:B:SER:HB2	1:33:B:GLU:HG2	18	0.68
(1,1995)	1:32:A:SER:HB2	1:33:A:GLU:HG2	18	0.68
(1,1994)	1:60:B:SER:HB2	1:61:B:ASN:HB3	3	0.68
(1,1993)	1:60:A:SER:HB2	1:61:A:ASN:HB3	3	0.68
(1,1698)	1:9:B:LEU:HB3	1:10:B:ASP:HA	5	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1698)	1:9:B:LEU:HB3	1:10:B:ASP:HA	10	0.68
(1,1654)	1:83:B:ALA:HA	1:82:B:ILE:HD13	16	0.68
(1,1653)	1:83:A:ALA:HA	1:82:A:ILE:HD13	16	0.68
(1,1492)	1:42:B:LEU:HB3	1:37:B:LEU:HD23	1	0.68
(1,1491)	1:42:A:LEU:HB3	1:37:A:LEU:HD23	1	0.68
(1,1338)	1:71:B:ASP:HB2	1:75:B:TYR:HB2	14	0.68
(1,1198)	1:87:B:ASN:HB2	1:76:A:SER:HB2	8	0.68
(1,1197)	1:87:A:ASN:HB2	1:76:B:SER:HB2	8	0.68
(1,1154)	1:30:B:ASN:HB3	1:31:B:LYS:HA	2	0.68
(1,1153)	1:30:A:ASN:HB3	1:31:A:LYS:HA	2	0.68
(1,1026)	1:41:B:GLU:HG3	1:40:B:ARG:HA	1	0.68
(1,1026)	1:41:B:GLU:HG3	1:40:B:ARG:HA	2	0.68
(1,1025)	1:41:A:GLU:HG3	1:40:A:ARG:HA	2	0.68
(1,952)	1:79:B:LEU:HD12	1:12:B:MET:HB2	2	0.68
(1,951)	1:79:A:LEU:HD12	1:12:A:MET:HB2	2	0.68
(1,744)	1:39:B:THR:HG23	1:35:B:LYS:HD3	11	0.68
(1,743)	1:39:A:THR:HG21	1:35:A:LYS:HD3	15	0.68
(1,732)	1:52:B:GLU:HB3	1:31:B:LYS:HE2	14	0.68
(1,731)	1:52:A:GLU:HB3	1:31:A:LYS:HE2	14	0.68
(1,686)	1:100:B:LYS:HD2	1:101:B:LYS:HA	14	0.68
(1,685)	1:100:A:LYS:HD2	1:101:A:LYS:HA	14	0.68
(1,584)	1:29:B:LEU:HD21	1:33:B:GLU:H	16	0.68
(1,574)	1:9:B:LEU:HG	1:83:A:ALA:HB2	10	0.68
(1,573)	1:9:A:LEU:HG	1:83:B:ALA:HB3	3	0.68
(1,573)	1:9:A:LEU:HG	1:83:B:ALA:HB2	10	0.68
(1,573)	1:9:A:LEU:HG	1:83:B:ALA:HB1	18	0.68
(1,460)	1:46:B:LEU:HD22	1:82:B:ILE:HD13	9	0.68
(1,459)	1:46:A:LEU:HD22	1:82:A:ILE:HD13	9	0.68
(1,394)	1:46:B:LEU:HD21	1:61:B:ASN:HD21	9	0.68
(1,393)	1:46:A:LEU:HD21	1:61:A:ASN:HD21	9	0.68
(1,218)	1:77:B:VAL:HG21	1:74:B:GLU:HG3	4	0.68
(1,217)	1:77:A:VAL:HG21	1:74:A:GLU:HG3	4	0.68
(1,126)	1:77:B:VAL:HG13	1:76:B:SER:H	3	0.68
(1,125)	1:77:A:VAL:HG13	1:76:A:SER:H	3	0.68
(1,90)	1:54:B:ALA:HB1	1:52:B:GLU:HB2	15	0.68
(1,89)	1:54:A:ALA:HB1	1:52:A:GLU:HB2	17	0.68
(1,40)	1:82:B:ILE:HD13	1:6:A:GLU:HB2	6	0.68
(2,45)	1:59:A:MET:HG3	1:66:A:ARG:HD2	4	0.67
(1,4600)	1:73:B:GLN:H	1:75:B:TYR:HB3	5	0.67
(1,4599)	1:73:A:GLN:H	1:75:A:TYR:HB3	5	0.67
(1,4596)	1:88:B:GLU:H	1:94:B:PRO:HG3	19	0.67
(1,4595)	1:88:A:GLU:H	1:94:A:PRO:HG3	19	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4570)	1:30:B:ASN:HD22	1:34:B:LEU:HD12	7	0.67
(1,4562)	1:73:B:GLN:HE22	1:77:B:VAL:HA	9	0.67
(1,4561)	1:73:A:GLN:HE22	1:77:A:VAL:HA	9	0.67
(1,4553)	1:56:A:GLN:HE21	1:34:A:LEU:HD21	3	0.67
(1,4544)	1:97:B:GLN:HE21	1:98:B:PRO:HD3	14	0.67
(1,4518)	1:20:B:SER:H	1:26:B:LYS:HD3	12	0.67
(1,4517)	1:20:A:SER:H	1:26:A:LYS:HD3	12	0.67
(1,4510)	1:32:B:SER:H	1:34:B:LEU:HD21	8	0.67
(1,4509)	1:32:A:SER:H	1:34:A:LEU:HD21	8	0.67
(1,4502)	1:87:B:ASN:HD21	1:86:B:SER:HA	11	0.67
(1,4501)	1:87:A:ASN:HD21	1:86:A:SER:HA	11	0.67
(1,4490)	1:17:B:HIS:H	1:13:B:VAL:HG23	1	0.67
(1,4489)	1:17:A:HIS:H	1:13:A:VAL:HG23	1	0.67
(1,4478)	1:86:B:SER:H	1:13:A:VAL:HG13	4	0.67
(1,4477)	1:86:A:SER:H	1:13:B:VAL:HG11	8	0.67
(1,4464)	1:31:B:LYS:H	1:34:B:LEU:HD21	3	0.67
(1,4463)	1:31:A:LYS:H	1:34:A:LEU:HD21	3	0.67
(1,4463)	1:31:A:LYS:H	1:34:A:LEU:HD22	14	0.67
(1,4453)	1:69:A:GLU:H	1:28:A:LYS:HG3	16	0.67
(1,4447)	1:69:A:GLU:H	1:28:A:LYS:HA	11	0.67
(1,4434)	1:38:B:LEU:H	1:55:B:PHE:HB3	7	0.67
(1,4434)	1:38:B:LEU:H	1:55:B:PHE:HB3	18	0.67
(1,4433)	1:38:A:LEU:H	1:55:A:PHE:HB3	7	0.67
(1,4433)	1:38:A:LEU:H	1:55:A:PHE:HB3	18	0.67
(1,4409)	1:61:A:ASN:H	1:58:A:LEU:HD11	14	0.67
(1,4383)	1:76:A:SER:H	1:83:B:ALA:HB3	6	0.67
(1,4361)	1:9:A:LEU:H	1:11:A:VAL:HB	19	0.67
(1,4347)	1:16:A:PHE:H	1:37:A:LEU:HD13	6	0.67
(1,4345)	1:16:A:PHE:H	1:2:B:ALA:HB2	15	0.67
(1,4340)	1:13:B:VAL:H	1:79:B:LEU:HD11	12	0.67
(1,4339)	1:13:A:VAL:H	1:79:A:LEU:HD11	12	0.67
(1,4339)	1:13:A:VAL:H	1:79:A:LEU:HD12	14	0.67
(1,4328)	1:58:B:LEU:H	1:56:B:GLN:HB3	13	0.67
(1,4327)	1:58:A:LEU:H	1:56:A:GLN:HB3	13	0.67
(1,4324)	1:42:B:LEU:H	1:37:B:LEU:HD21	12	0.67
(1,4324)	1:42:B:LEU:H	1:37:B:LEU:HD21	13	0.67
(1,4323)	1:42:A:LEU:H	1:37:A:LEU:HD21	12	0.67
(1,4323)	1:42:A:LEU:H	1:37:A:LEU:HD21	13	0.67
(1,4283)	1:3:A:SER:H	1:37:B:LEU:HD22	6	0.67
(1,4168)	1:76:B:SER:HB3	1:79:B:LEU:HB3	15	0.67
(1,4167)	1:76:A:SER:HB3	1:79:A:LEU:HB3	15	0.67
(1,4149)	1:76:A:SER:HB3	1:82:B:ILE:HB	13	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4064)	1:37:B:LEU:HD12	1:17:B:HIS:HA	1	0.67
(1,4063)	1:37:A:LEU:HD12	1:17:A:HIS:HA	1	0.67
(1,4030)	1:49:B:ARG:HA	1:46:B:LEU:HD21	17	0.67
(1,4029)	1:49:A:ARG:HA	1:46:A:LEU:HD21	17	0.67
(1,3971)	1:2:A:ALA:HA	1:11:B:VAL:HG11	9	0.67
(1,3890)	1:48:B:LYS:HE2	1:46:B:LEU:HD22	19	0.67
(1,3889)	1:48:A:LYS:HE2	1:46:A:LEU:HD22	19	0.67
(1,3850)	1:9:B:LEU:HB3	1:79:A:LEU:HD13	6	0.67
(1,3849)	1:9:A:LEU:HB3	1:79:B:LEU:HD13	6	0.67
(1,3771)	1:85:A:MET:HG2	1:89:A:PHE:HB2	13	0.67
(1,3766)	1:87:B:ASN:HB3	1:89:B:PHE:HB3	17	0.67
(1,3766)	1:87:B:ASN:HB3	1:89:B:PHE:HB3	19	0.67
(1,3765)	1:87:A:ASN:HB3	1:89:A:PHE:HB3	17	0.67
(1,3765)	1:87:A:ASN:HB3	1:89:A:PHE:HB3	19	0.67
(1,3756)	1:70:B:VAL:HG23	1:74:B:GLU:HG3	7	0.67
(1,3756)	1:70:B:VAL:HG21	1:74:B:GLU:HG3	10	0.67
(1,3755)	1:70:A:VAL:HG23	1:74:A:GLU:HG3	7	0.67
(1,3755)	1:70:A:VAL:HG21	1:74:A:GLU:HG3	10	0.67
(1,3734)	1:36:B:GLU:HG3	1:40:B:ARG:HB2	7	0.67
(1,3734)	1:36:B:GLU:HG3	1:40:B:ARG:HB2	18	0.67
(1,3733)	1:36:A:GLU:HG3	1:40:A:ARG:HB2	4	0.67
(1,3733)	1:36:A:GLU:HG3	1:40:A:ARG:HB2	7	0.67
(1,3733)	1:36:A:GLU:HG3	1:40:A:ARG:HB2	16	0.67
(1,3733)	1:36:A:GLU:HG3	1:40:A:ARG:HB2	18	0.67
(1,3732)	1:69:B:GLU:HB3	1:29:B:LEU:HD11	5	0.67
(1,3731)	1:69:A:GLU:HB3	1:29:A:LEU:HD11	5	0.67
(1,3697)	1:56:A:GLN:HG2	1:31:A:LYS:HE2	6	0.67
(1,3692)	1:70:B:VAL:HB	1:71:B:ASP:HB3	10	0.67
(1,3644)	1:31:B:LYS:HB3	1:35:B:LYS:HA	5	0.67
(1,3604)	1:31:B:LYS:HD3	1:35:B:LYS:H	13	0.67
(1,3603)	1:31:A:LYS:HD3	1:35:A:LYS:H	13	0.67
(1,3562)	1:56:B:GLN:HB3	1:53:B:ALA:HB1	1	0.67
(1,3561)	1:56:A:GLN:HB3	1:53:A:ALA:HB1	1	0.67
(1,3544)	1:29:B:LEU:HD22	1:69:B:GLU:HA	5	0.67
(1,3543)	1:29:A:LEU:HD22	1:69:A:GLU:HA	5	0.67
(1,3527)	1:5:A:LEU:HG	1:10:A:ASP:H	1	0.67
(1,3498)	1:79:B:LEU:HG	1:80:B:SER:HB2	16	0.67
(1,3483)	1:34:A:LEU:HD23	1:38:A:LEU:H	3	0.67
(1,3453)	1:35:A:LYS:HG2	1:58:A:LEU:HD23	17	0.67
(1,3404)	1:77:B:VAL:HG23	1:62:B:LEU:HB3	5	0.67
(1,3403)	1:77:A:VAL:HG23	1:62:A:LEU:HB3	5	0.67
(1,3370)	1:50:B:THR:HG21	1:49:B:ARG:HD2	10	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3343)	1:77:A:VAL:HG13	1:84:B:MET:HG2	19	0.67
(1,3339)	1:2:A:ALA:HB3	1:42:B:LEU:HD22	3	0.67
(1,3312)	1:82:B:ILE:HD11	1:10:A:ASP:HB2	15	0.67
(1,3122)	1:73:B:GLN:HE22	1:73:B:GLN:HA	8	0.67
(1,3121)	1:73:A:GLN:HE22	1:73:A:GLN:HA	8	0.67
(1,3121)	1:73:A:GLN:HE22	1:73:A:GLN:HA	10	0.67
(1,3074)	1:60:B:SER:H	1:62:B:LEU:HD13	12	0.67
(1,3074)	1:60:B:SER:H	1:62:B:LEU:HD12	13	0.67
(1,3073)	1:60:A:SER:H	1:62:A:LEU:HD13	12	0.67
(1,3073)	1:60:A:SER:H	1:62:A:LEU:HD12	13	0.67
(1,3046)	1:41:B:GLU:H	1:29:B:LEU:HD13	1	0.67
(1,2924)	1:66:B:ARG:H	1:66:B:ARG:HB3	19	0.67
(1,2923)	1:66:A:ARG:H	1:66:A:ARG:HB3	19	0.67
(1,2786)	1:89:B:PHE:H	1:13:A:VAL:HG12	15	0.67
(1,2722)	1:61:B:ASN:H	1:61:B:ASN:HB3	14	0.67
(1,2721)	1:61:A:ASN:H	1:61:A:ASN:HB3	5	0.67
(1,2721)	1:61:A:ASN:H	1:61:A:ASN:HB3	14	0.67
(1,2719)	1:61:A:ASN:H	1:66:A:ARG:HD2	15	0.67
(1,2691)	1:72:A:PHE:H	1:28:A:LYS:HG3	12	0.67
(1,2621)	1:55:A:PHE:H	1:50:A:THR:HG22	10	0.67
(1,2376)	1:11:B:VAL:H	1:11:B:VAL:HG12	1	0.67
(1,2375)	1:11:A:VAL:H	1:11:A:VAL:HG12	1	0.67
(1,2356)	1:54:B:ALA:H	1:46:B:LEU:HD11	2	0.67
(1,2092)	1:26:B:LYS:H	1:21:B:GLY:HA3	19	0.67
(1,2091)	1:26:A:LYS:H	1:21:A:GLY:HA3	19	0.67
(1,2074)	1:15:B:THR:HA	1:5:A:LEU:HD22	10	0.67
(1,2073)	1:15:A:THR:HA	1:5:B:LEU:HD22	10	0.67
(1,2040)	1:43:B:PRO:HA	1:46:B:LEU:HD11	6	0.67
(1,2039)	1:43:A:PRO:HA	1:46:A:LEU:HD11	6	0.67
(1,1698)	1:9:B:LEU:HB3	1:10:B:ASP:HA	17	0.67
(1,1697)	1:9:A:LEU:HB3	1:10:A:ASP:HA	5	0.67
(1,1697)	1:9:A:LEU:HB3	1:10:A:ASP:HA	17	0.67
(1,1654)	1:83:B:ALA:HA	1:82:B:ILE:HD13	13	0.67
(1,1654)	1:83:B:ALA:HA	1:82:B:ILE:HD12	19	0.67
(1,1654)	1:83:B:ALA:HA	1:82:B:ILE:HD13	20	0.67
(1,1653)	1:83:A:ALA:HA	1:82:A:ILE:HD13	13	0.67
(1,1653)	1:83:A:ALA:HA	1:82:A:ILE:HD12	19	0.67
(1,1653)	1:83:A:ALA:HA	1:82:A:ILE:HD13	20	0.67
(1,1506)	1:92:B:GLY:HA3	1:91:B:GLU:HG3	7	0.67
(1,1472)	1:42:B:LEU:HB3	1:38:B:LEU:H	9	0.67
(1,1471)	1:42:A:LEU:HB3	1:38:A:LEU:H	9	0.67
(1,1408)	1:39:B:THR:HG21	1:40:B:ARG:HD2	15	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1407)	1:39:A:THR:HG21	1:40:A:ARG:HD2	15	0.67
(1,1338)	1:71:B:ASP:HB2	1:75:B:TYR:HB3	5	0.67
(1,1338)	1:71:B:ASP:HB2	1:75:B:TYR:HB3	12	0.67
(1,1337)	1:71:A:ASP:HB2	1:75:A:TYR:HB3	5	0.67
(1,1337)	1:71:A:ASP:HB2	1:75:A:TYR:HB3	12	0.67
(1,1337)	1:71:A:ASP:HB2	1:75:A:TYR:HB2	14	0.67
(1,1312)	1:34:B:LEU:HB3	1:62:B:LEU:HD12	1	0.67
(1,1312)	1:34:B:LEU:HB3	1:62:B:LEU:HD13	7	0.67
(1,1311)	1:34:A:LEU:HB3	1:62:A:LEU:HD12	1	0.67
(1,1311)	1:34:A:LEU:HB3	1:62:A:LEU:HD13	7	0.67
(1,1154)	1:30:B:ASN:HB3	1:31:B:LYS:HA	16	0.67
(1,1153)	1:30:A:ASN:HB3	1:31:A:LYS:HA	16	0.67
(1,1068)	1:91:B:GLU:HG3	1:90:B:PHE:HB3	10	0.67
(1,1025)	1:41:A:GLU:HG3	1:40:A:ARG:HA	1	0.67
(1,1002)	1:73:B:GLN:HG3	1:73:B:GLN:HA	9	0.67
(1,1001)	1:73:A:GLN:HG3	1:73:A:GLN:HA	9	0.67
(1,905)	1:31:A:LYS:HB3	1:35:A:LYS:HE2	14	0.67
(1,743)	1:39:A:THR:HG23	1:35:A:LYS:HD3	11	0.67
(1,732)	1:52:B:GLU:HB3	1:31:B:LYS:HE2	2	0.67
(1,732)	1:52:B:GLU:HB3	1:31:B:LYS:HE2	17	0.67
(1,732)	1:52:B:GLU:HB3	1:31:B:LYS:HE3	20	0.67
(1,731)	1:52:A:GLU:HB3	1:31:A:LYS:HE2	17	0.67
(1,731)	1:52:A:GLU:HB3	1:31:A:LYS:HE3	20	0.67
(1,686)	1:100:B:LYS:HD3	1:101:B:LYS:HA	19	0.67
(1,583)	1:29:A:LEU:HD21	1:33:A:GLU:H	16	0.67
(1,574)	1:9:B:LEU:HG	1:83:A:ALA:HB3	3	0.67
(1,574)	1:9:B:LEU:HG	1:83:A:ALA:HB3	11	0.67
(1,574)	1:9:B:LEU:HG	1:83:A:ALA:HB2	16	0.67
(1,573)	1:9:A:LEU:HG	1:83:B:ALA:HB2	16	0.67
(1,556)	1:95:B:ASP:H	1:99:B:ARG:HG3	18	0.67
(1,518)	1:42:B:LEU:HD13	1:82:B:ILE:HD13	5	0.67
(1,517)	1:42:A:LEU:HD13	1:82:A:ILE:HD13	5	0.67
(1,476)	1:28:B:LYS:HG2	1:25:B:ASP:HB2	16	0.67
(1,475)	1:28:A:LYS:HG2	1:25:A:ASP:HB2	16	0.67
(1,412)	1:39:B:THR:HG21	1:46:B:LEU:HD21	4	0.67
(1,411)	1:39:A:THR:HG21	1:46:A:LEU:HD21	4	0.67
(1,393)	1:46:A:LEU:HD21	1:61:A:ASN:HD21	8	0.67
(1,126)	1:77:B:VAL:HG11	1:76:B:SER:H	1	0.67
(1,125)	1:77:A:VAL:HG11	1:76:A:SER:H	1	0.67
(1,90)	1:54:B:ALA:HB1	1:52:B:GLU:HB2	6	0.67
(1,90)	1:54:B:ALA:HB1	1:52:B:GLU:HB2	17	0.67
(1,89)	1:54:A:ALA:HB1	1:52:A:GLU:HB2	6	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,18)	1:39:B:THR:HB	1:40:B:ARG:HG2	17	0.67
(1,17)	1:39:A:THR:HB	1:40:A:ARG:HG2	17	0.67
(1,11)	1:5:A:LEU:HD21	1:42:B:LEU:HG	6	0.67
(2,130)	1:21:B:GLY:HA2	1:18:B:LYS:HA	9	0.66
(2,129)	1:21:A:GLY:HA2	1:18:A:LYS:HA	9	0.66
(2,121)	1:101:A:LYS:HA	1:98:A:PRO:HD2	18	0.66
(2,64)	1:25:B:ASP:HB2	1:28:B:LYS:HD3	6	0.66
(2,63)	1:25:A:ASP:HB2	1:28:A:LYS:HD3	6	0.66
(2,48)	1:23:B:GLU:HB3	1:33:B:GLU:HB2	17	0.66
(2,47)	1:23:A:GLU:HB3	1:33:A:GLU:HB2	17	0.66
(1,4600)	1:73:B:GLN:H	1:75:B:TYR:HB3	1	0.66
(1,4599)	1:73:A:GLN:H	1:75:A:TYR:HB3	1	0.66
(1,4554)	1:56:B:GLN:HE21	1:34:B:LEU:HD21	3	0.66
(1,4502)	1:87:B:ASN:HD21	1:89:B:PHE:HA	18	0.66
(1,4501)	1:87:A:ASN:HD21	1:89:A:PHE:HA	18	0.66
(1,4464)	1:31:B:LYS:H	1:34:B:LEU:HD21	12	0.66
(1,4458)	1:68:B:ASN:H	1:66:B:ARG:HB2	1	0.66
(1,4457)	1:68:A:ASN:H	1:66:A:ARG:HB2	1	0.66
(1,4454)	1:69:B:GLU:H	1:31:B:LYS:HG2	2	0.66
(1,4428)	1:34:B:LEU:H	1:22:B:LYS:HE2	2	0.66
(1,4428)	1:34:B:LEU:H	1:22:B:LYS:HE2	19	0.66
(1,4427)	1:34:A:LEU:H	1:22:A:LYS:HE2	2	0.66
(1,4427)	1:34:A:LEU:H	1:22:A:LYS:HE2	19	0.66
(1,4410)	1:61:B:ASN:H	1:58:B:LEU:HD12	9	0.66
(1,4409)	1:61:A:ASN:H	1:58:A:LEU:HD11	3	0.66
(1,4409)	1:61:A:ASN:H	1:58:A:LEU:HD12	9	0.66
(1,4393)	1:7:A:LYS:H	1:79:B:LEU:HD22	2	0.66
(1,4362)	1:9:B:LEU:H	1:11:B:VAL:HB	6	0.66
(1,4362)	1:9:B:LEU:H	1:11:B:VAL:HB	7	0.66
(1,4361)	1:9:A:LEU:H	1:11:A:VAL:HB	6	0.66
(1,4361)	1:9:A:LEU:H	1:11:A:VAL:HB	7	0.66
(1,4355)	1:79:A:LEU:H	1:82:A:ILE:HG13	9	0.66
(1,4316)	1:74:B:GLU:H	1:70:B:VAL:HG23	14	0.66
(1,4315)	1:74:A:GLU:H	1:70:A:VAL:HG23	14	0.66
(1,4158)	1:32:B:SER:HB3	1:23:B:GLU:HG2	1	0.66
(1,4150)	1:76:B:SER:HB3	1:82:A:ILE:HB	15	0.66
(1,4149)	1:76:A:SER:HB3	1:82:B:ILE:HB	15	0.66
(1,4062)	1:10:B:ASP:HA	1:82:A:ILE:HB	7	0.66
(1,4004)	1:59:B:MET:H	1:61:B:ASN:HA	7	0.66
(1,4003)	1:59:A:MET:H	1:61:A:ASN:HA	7	0.66
(1,3972)	1:2:B:ALA:HA	1:11:A:VAL:HG11	9	0.66
(1,3972)	1:2:B:ALA:HA	1:11:A:VAL:HG12	16	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3936)	1:62:B:LEU:HB3	1:63:B:ASP:HB3	2	0.66
(1,3804)	1:16:B:PHE:HB2	1:79:B:LEU:HG	4	0.66
(1,3803)	1:16:A:PHE:HB2	1:79:A:LEU:HG	4	0.66
(1,3794)	1:28:B:LYS:HB2	1:20:B:SER:HB3	10	0.66
(1,3793)	1:28:A:LYS:HB2	1:20:A:SER:HB3	10	0.66
(1,3767)	1:84:A:MET:HB3	1:87:A:ASN:HB2	12	0.66
(1,3756)	1:70:B:VAL:HG21	1:74:B:GLU:HG3	19	0.66
(1,3756)	1:70:B:VAL:HG21	1:74:B:GLU:HG3	20	0.66
(1,3755)	1:70:A:VAL:HG21	1:74:A:GLU:HG3	19	0.66
(1,3755)	1:70:A:VAL:HG21	1:74:A:GLU:HG3	20	0.66
(1,3734)	1:36:B:GLU:HG3	1:40:B:ARG:HB2	10	0.66
(1,3734)	1:36:B:GLU:HG3	1:40:B:ARG:HB2	16	0.66
(1,3714)	1:69:B:GLU:HB2	1:70:B:VAL:HG22	4	0.66
(1,3713)	1:69:A:GLU:HB2	1:70:A:VAL:HG22	4	0.66
(1,3706)	1:23:B:GLU:HB3	1:33:B:GLU:HB2	17	0.66
(1,3705)	1:23:A:GLU:HB3	1:33:A:GLU:HB2	17	0.66
(1,3698)	1:56:B:GLN:HG2	1:31:B:LYS:HE2	6	0.66
(1,3691)	1:70:A:VAL:HB	1:71:A:ASP:HB3	10	0.66
(1,3643)	1:31:A:LYS:HB3	1:35:A:LYS:HA	5	0.66
(1,3634)	1:43:B:PRO:HB3	1:7:A:LYS:HG3	7	0.66
(1,3605)	1:28:A:LYS:HD3	1:67:A:ASP:HB2	15	0.66
(1,3594)	1:57:B:LYS:HG3	1:57:B:LYS:HD2	2	0.66
(1,3593)	1:57:A:LYS:HG3	1:57:A:LYS:HD2	2	0.66
(1,3550)	1:37:B:LEU:HD11	1:18:B:LYS:HB3	3	0.66
(1,3549)	1:37:A:LEU:HD11	1:18:A:LYS:HB3	3	0.66
(1,3534)	1:98:B:PRO:HG2	1:99:B:ARG:HB2	17	0.66
(1,3533)	1:98:A:PRO:HG2	1:99:A:ARG:HB2	17	0.66
(1,3512)	1:42:B:LEU:HD23	1:6:A:GLU:HA	1	0.66
(1,3512)	1:42:B:LEU:HD23	1:38:B:LEU:HA	19	0.66
(1,3511)	1:42:A:LEU:HD23	1:6:B:GLU:HA	1	0.66
(1,3484)	1:34:B:LEU:HD23	1:38:B:LEU:H	3	0.66
(1,3454)	1:35:B:LYS:HG2	1:58:B:LEU:HD23	17	0.66
(1,3394)	1:77:B:VAL:HG22	1:74:B:GLU:HA	1	0.66
(1,3370)	1:50:B:THR:HG22	1:49:B:ARG:HD2	4	0.66
(1,3369)	1:50:A:THR:HG22	1:49:A:ARG:HD2	4	0.66
(1,3340)	1:2:B:ALA:HB3	1:42:A:LEU:HD22	3	0.66
(1,3318)	1:82:B:ILE:HG22	1:45:B:PHE:HA	13	0.66
(1,3312)	1:82:B:ILE:HD11	1:10:A:ASP:HB2	5	0.66
(1,3311)	1:82:A:ILE:HD11	1:10:B:ASP:HB2	5	0.66
(1,3311)	1:82:A:ILE:HD11	1:10:B:ASP:HB2	15	0.66
(1,3122)	1:73:B:GLN:HE22	1:73:B:GLN:HA	10	0.66
(1,3122)	1:73:B:GLN:HE22	1:73:B:GLN:HA	11	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3121)	1:73:A:GLN:HE22	1:73:A:GLN:HA	11	0.66
(1,3074)	1:60:B:SER:H	1:62:B:LEU:HD12	1	0.66
(1,3073)	1:60:A:SER:H	1:62:A:LEU:HD12	1	0.66
(1,3045)	1:41:A:GLU:H	1:29:A:LEU:HD13	1	0.66
(1,2722)	1:61:B:ASN:H	1:61:B:ASN:HB3	1	0.66
(1,2722)	1:61:B:ASN:H	1:61:B:ASN:HB3	3	0.66
(1,2722)	1:61:B:ASN:H	1:61:B:ASN:HB3	7	0.66
(1,2722)	1:61:B:ASN:H	1:61:B:ASN:HB3	8	0.66
(1,2722)	1:61:B:ASN:H	1:61:B:ASN:HB3	9	0.66
(1,2722)	1:61:B:ASN:H	1:61:B:ASN:HB3	10	0.66
(1,2722)	1:61:B:ASN:H	1:61:B:ASN:HB3	12	0.66
(1,2722)	1:61:B:ASN:H	1:61:B:ASN:HB3	16	0.66
(1,2721)	1:61:A:ASN:H	1:61:A:ASN:HB3	3	0.66
(1,2721)	1:61:A:ASN:H	1:61:A:ASN:HB3	7	0.66
(1,2721)	1:61:A:ASN:H	1:61:A:ASN:HB3	8	0.66
(1,2721)	1:61:A:ASN:H	1:61:A:ASN:HB3	9	0.66
(1,2721)	1:61:A:ASN:H	1:61:A:ASN:HB3	10	0.66
(1,2721)	1:61:A:ASN:H	1:61:A:ASN:HB3	12	0.66
(1,2720)	1:61:B:ASN:H	1:66:B:ARG:HD2	15	0.66
(1,2692)	1:72:B:PHE:H	1:28:B:LYS:HG3	12	0.66
(1,2632)	1:95:B:ASP:H	1:97:B:GLN:HE22	12	0.66
(1,2631)	1:95:A:ASP:H	1:97:A:GLN:HE22	12	0.66
(1,2622)	1:55:B:PHE:H	1:50:B:THR:HG22	10	0.66
(1,2510)	1:42:B:LEU:H	1:82:B:ILE:HD11	3	0.66
(1,2509)	1:42:A:LEU:H	1:82:A:ILE:HD11	3	0.66
(1,2214)	1:30:B:ASN:H	1:34:B:LEU:HD11	2	0.66
(1,2213)	1:30:A:ASN:H	1:34:A:LEU:HD11	2	0.66
(1,2209)	1:30:A:ASN:H	1:33:A:GLU:HB3	5	0.66
(1,2074)	1:15:B:THR:HA	1:5:A:LEU:HD21	15	0.66
(1,2073)	1:15:A:THR:HA	1:5:B:LEU:HD22	6	0.66
(1,2073)	1:15:A:THR:HA	1:5:B:LEU:HD21	15	0.66
(1,1994)	1:60:B:SER:HB2	1:61:B:ASN:HB3	1	0.66
(1,1654)	1:83:B:ALA:HA	1:82:B:ILE:HD13	6	0.66
(1,1654)	1:83:B:ALA:HA	1:82:B:ILE:HD11	12	0.66
(1,1654)	1:83:B:ALA:HA	1:82:B:ILE:HD13	17	0.66
(1,1653)	1:83:A:ALA:HA	1:82:A:ILE:HD13	6	0.66
(1,1653)	1:83:A:ALA:HA	1:82:A:ILE:HD11	12	0.66
(1,1653)	1:83:A:ALA:HA	1:82:A:ILE:HD13	17	0.66
(1,1648)	1:49:B:ARG:HD2	1:49:B:ARG:HA	20	0.66
(1,1647)	1:49:A:ARG:HD2	1:49:A:ARG:HA	20	0.66
(1,1506)	1:92:B:GLY:HA2	1:91:B:GLU:HG3	2	0.66
(1,1505)	1:92:A:GLY:HA3	1:91:A:GLU:HG3	7	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1448)	1:29:B:LEU:HB2	1:33:B:GLU:HB3	19	0.66
(1,1311)	1:34:A:LEU:HB3	1:62:A:LEU:HD13	12	0.66
(1,1153)	1:30:A:ASN:HB3	1:31:A:LYS:HA	12	0.66
(1,1067)	1:91:A:GLU:HG3	1:90:A:PHE:HB3	10	0.66
(1,1026)	1:41:B:GLU:HG3	1:40:B:ARG:HA	6	0.66
(1,1025)	1:41:A:GLU:HG3	1:40:A:ARG:HA	6	0.66
(1,952)	1:79:B:LEU:HD12	1:12:B:MET:HB3	10	0.66
(1,951)	1:79:A:LEU:HD12	1:12:A:MET:HB3	10	0.66
(1,918)	1:85:B:MET:HG3	1:84:B:MET:HG3	18	0.66
(1,917)	1:85:A:MET:HG3	1:84:A:MET:HG3	18	0.66
(1,906)	1:31:B:LYS:HB3	1:35:B:LYS:HE2	14	0.66
(1,731)	1:52:A:GLU:HB3	1:31:A:LYS:HE2	2	0.66
(1,685)	1:100:A:LYS:HD3	1:101:A:LYS:HA	19	0.66
(1,622)	1:29:B:LEU:HD23	1:70:B:VAL:HG12	17	0.66
(1,621)	1:29:A:LEU:HD23	1:70:A:VAL:HG12	17	0.66
(1,600)	1:37:B:LEU:HD23	1:34:B:LEU:HA	20	0.66
(1,599)	1:37:A:LEU:HD23	1:34:A:LEU:HA	20	0.66
(1,574)	1:9:B:LEU:HG	1:83:A:ALA:HB2	8	0.66
(1,573)	1:9:A:LEU:HG	1:83:B:ALA:HB2	8	0.66
(1,573)	1:9:A:LEU:HG	1:83:B:ALA:HB3	11	0.66
(1,573)	1:9:A:LEU:HG	1:83:B:ALA:HB1	17	0.66
(1,555)	1:95:A:ASP:H	1:99:A:ARG:HG3	18	0.66
(1,508)	1:34:B:LEU:HD22	1:59:B:MET:HG2	5	0.66
(1,507)	1:34:A:LEU:HD22	1:59:A:MET:HG2	5	0.66
(1,480)	1:79:B:LEU:HG	1:12:B:MET:HB3	2	0.66
(1,394)	1:46:B:LEU:HD22	1:61:B:ASN:HD21	4	0.66
(1,394)	1:46:B:LEU:HD21	1:61:B:ASN:HD21	8	0.66
(1,393)	1:46:A:LEU:HD22	1:61:A:ASN:HD21	4	0.66
(1,126)	1:77:B:VAL:HG13	1:76:B:SER:H	8	0.66
(1,125)	1:77:A:VAL:HG13	1:76:A:SER:H	8	0.66
(1,124)	1:2:B:ALA:HB1	1:5:B:LEU:HD11	11	0.66
(1,90)	1:54:B:ALA:HB2	1:52:B:GLU:HB2	16	0.66
(1,89)	1:54:A:ALA:HB2	1:52:A:GLU:HB2	16	0.66
(1,39)	1:82:A:ILE:HD13	1:6:B:GLU:HB2	6	0.66
(1,17)	1:39:A:THR:HB	1:40:A:ARG:HG2	19	0.66
(1,12)	1:5:B:LEU:HD21	1:42:A:LEU:HG	6	0.66
(1,10)	1:5:B:LEU:HD12	1:15:A:THR:HB	2	0.66
(1,9)	1:5:A:LEU:HD13	1:15:B:THR:HB	8	0.66
(1,6)	1:7:B:LYS:HD2	1:44:A:SER:HA	8	0.66
(1,5)	1:7:A:LYS:HD2	1:44:B:SER:HA	8	0.66
(2,294)	1:21:B:GLY:H	1:26:B:LYS:HB3	10	0.65
(2,293)	1:21:A:GLY:H	1:26:A:LYS:HB3	10	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,275)	1:20:A:SER:H	1:29:A:LEU:HB2	12	0.65
(2,122)	1:101:B:LYS:HA	1:98:B:PRO:HD2	18	0.65
(2,90)	1:61:B:ASN:HA	1:66:B:ARG:HD2	4	0.65
(2,42)	1:35:B:LYS:HB2	1:34:B:LEU:HB3	16	0.65
(2,41)	1:35:A:LYS:HB2	1:34:A:LEU:HB3	16	0.65
(2,36)	1:33:B:GLU:HB3	1:31:B:LYS:HA	9	0.65
(2,35)	1:33:A:GLU:HB3	1:31:A:LYS:HA	9	0.65
(2,12)	1:7:B:LYS:HG3	1:5:B:LEU:H	14	0.65
(2,11)	1:7:A:LYS:HG3	1:5:A:LEU:H	14	0.65
(1,4604)	1:73:B:GLN:H	1:13:B:VAL:HG12	19	0.65
(1,4603)	1:73:A:GLN:H	1:13:A:VAL:HG12	19	0.65
(1,4463)	1:31:A:LYS:H	1:34:A:LEU:HD21	12	0.65
(1,4462)	1:31:B:LYS:H	1:33:B:GLU:HG3	4	0.65
(1,4453)	1:69:A:GLU:H	1:31:A:LYS:HG2	2	0.65
(1,4428)	1:34:B:LEU:H	1:22:B:LYS:HE2	7	0.65
(1,4427)	1:34:A:LEU:H	1:22:A:LYS:HE2	7	0.65
(1,4422)	1:35:B:LYS:H	1:59:B:MET:HB2	8	0.65
(1,4421)	1:35:A:LYS:H	1:59:A:MET:HB2	8	0.65
(1,4410)	1:61:B:ASN:H	1:58:B:LEU:HD11	3	0.65
(1,4410)	1:61:B:ASN:H	1:58:B:LEU:HD11	10	0.65
(1,4409)	1:61:A:ASN:H	1:58:A:LEU:HD11	10	0.65
(1,4409)	1:61:A:ASN:H	1:58:A:LEU:HD13	11	0.65
(1,4394)	1:7:B:LYS:H	1:79:A:LEU:HD22	2	0.65
(1,4371)	1:95:A:ASP:H	1:94:A:PRO:HB3	6	0.65
(1,4361)	1:9:A:LEU:H	1:11:A:VAL:HB	2	0.65
(1,4356)	1:79:B:LEU:H	1:82:B:ILE:HG13	5	0.65
(1,4356)	1:79:B:LEU:H	1:82:B:ILE:HG13	8	0.65
(1,4356)	1:79:B:LEU:H	1:82:B:ILE:HG13	9	0.65
(1,4355)	1:79:A:LEU:H	1:82:A:ILE:HG13	5	0.65
(1,4355)	1:79:A:LEU:H	1:82:A:ILE:HG13	8	0.65
(1,4332)	1:57:B:LYS:H	1:34:B:LEU:HD21	4	0.65
(1,4331)	1:57:A:LYS:H	1:34:A:LEU:HD21	4	0.65
(1,4284)	1:3:B:SER:H	1:37:A:LEU:HD22	6	0.65
(1,4200)	1:50:B:THR:HB	1:49:B:ARG:HD2	8	0.65
(1,4199)	1:50:A:THR:HB	1:49:A:ARG:HD2	8	0.65
(1,4132)	1:20:B:SER:HB2	1:22:B:LYS:HG3	12	0.65
(1,4131)	1:20:A:SER:HB2	1:22:A:LYS:HG3	12	0.65
(1,4061)	1:10:A:ASP:HA	1:82:B:ILE:HB	7	0.65
(1,4030)	1:49:B:ARG:HA	1:46:B:LEU:HD13	1	0.65
(1,4030)	1:49:B:ARG:HA	1:46:B:LEU:HD23	15	0.65
(1,4029)	1:49:A:ARG:HA	1:46:A:LEU:HD13	1	0.65
(1,4029)	1:49:A:ARG:HA	1:46:A:LEU:HD23	15	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3978)	1:29:B:LEU:HA	1:31:B:LYS:HA	12	0.65
(1,3977)	1:29:A:LEU:HA	1:31:A:LYS:HA	12	0.65
(1,3971)	1:2:A:ALA:HA	1:11:B:VAL:HG12	16	0.65
(1,3935)	1:62:A:LEU:HB3	1:63:A:ASP:HB3	2	0.65
(1,3848)	1:9:B:LEU:HB2	1:79:A:LEU:HD13	6	0.65
(1,3847)	1:9:A:LEU:HB2	1:79:B:LEU:HD13	6	0.65
(1,3830)	1:34:B:LEU:HB2	1:33:B:GLU:HA	16	0.65
(1,3829)	1:34:A:LEU:HB2	1:33:A:GLU:HA	16	0.65
(1,3769)	1:16:A:PHE:HB2	1:87:B:ASN:HB2	2	0.65
(1,3768)	1:84:B:MET:HB3	1:87:B:ASN:HB2	12	0.65
(1,3733)	1:36:A:GLU:HG3	1:40:A:ARG:HB2	10	0.65
(1,3698)	1:56:B:GLN:HG3	1:57:B:LYS:HE2	17	0.65
(1,3697)	1:56:A:GLN:HG3	1:57:A:LYS:HE2	17	0.65
(1,3633)	1:43:A:PRO:HB3	1:7:B:LYS:HG3	17	0.65
(1,3606)	1:28:B:LYS:HD3	1:67:B:ASP:HB2	15	0.65
(1,3603)	1:31:A:LYS:HD3	1:35:A:LYS:H	6	0.65
(1,3600)	1:31:B:LYS:HD2	1:32:B:SER:HB2	6	0.65
(1,3599)	1:31:A:LYS:HD2	1:32:A:SER:HB2	6	0.65
(1,3594)	1:57:B:LYS:HG3	1:57:B:LYS:HD2	15	0.65
(1,3593)	1:57:A:LYS:HG3	1:57:A:LYS:HD2	15	0.65
(1,3590)	1:100:B:LYS:HD2	1:100:B:LYS:HD3	1	0.65
(1,3590)	1:100:B:LYS:HD2	1:100:B:LYS:HD3	3	0.65
(1,3590)	1:57:B:LYS:HD2	1:57:B:LYS:HD3	6	0.65
(1,3590)	1:100:B:LYS:HD2	1:100:B:LYS:HD3	7	0.65
(1,3590)	1:100:B:LYS:HD2	1:100:B:LYS:HD3	8	0.65
(1,3590)	1:100:B:LYS:HD2	1:100:B:LYS:HD3	9	0.65
(1,3590)	1:100:B:LYS:HD2	1:100:B:LYS:HD3	10	0.65
(1,3590)	1:100:B:LYS:HD2	1:100:B:LYS:HD3	11	0.65
(1,3590)	1:57:B:LYS:HD2	1:57:B:LYS:HD3	12	0.65
(1,3590)	1:7:B:LYS:HD2	1:7:B:LYS:HD3	16	0.65
(1,3590)	1:57:B:LYS:HD2	1:57:B:LYS:HD3	18	0.65
(1,3590)	1:100:B:LYS:HD2	1:100:B:LYS:HD3	19	0.65
(1,3589)	1:100:A:LYS:HD2	1:100:A:LYS:HD3	1	0.65
(1,3589)	1:100:A:LYS:HD2	1:100:A:LYS:HD3	2	0.65
(1,3589)	1:100:A:LYS:HD2	1:100:A:LYS:HD3	3	0.65
(1,3589)	1:7:A:LYS:HD2	1:7:A:LYS:HD3	4	0.65
(1,3589)	1:57:A:LYS:HD2	1:57:A:LYS:HD3	6	0.65
(1,3589)	1:100:A:LYS:HD2	1:100:A:LYS:HD3	8	0.65
(1,3589)	1:100:A:LYS:HD2	1:100:A:LYS:HD3	9	0.65
(1,3589)	1:7:A:LYS:HD2	1:7:A:LYS:HD3	10	0.65
(1,3589)	1:100:A:LYS:HD2	1:100:A:LYS:HD3	11	0.65
(1,3589)	1:100:A:LYS:HD2	1:100:A:LYS:HD3	12	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3589)	1:100:A:LYS:HD2	1:100:A:LYS:HD3	14	0.65
(1,3589)	1:100:A:LYS:HD2	1:100:A:LYS:HD3	19	0.65
(1,3512)	1:42:B:LEU:HD21	1:6:A:GLU:HA	18	0.65
(1,3511)	1:42:A:LEU:HD21	1:6:B:GLU:HA	18	0.65
(1,3511)	1:42:A:LEU:HD23	1:38:A:LEU:HA	19	0.65
(1,3404)	1:77:B:VAL:HG21	1:62:B:LEU:HB3	4	0.65
(1,3403)	1:77:A:VAL:HG21	1:62:A:LEU:HB3	4	0.65
(1,3393)	1:77:A:VAL:HG22	1:74:A:GLU:HA	1	0.65
(1,3352)	1:13:B:VAL:HG13	1:90:A:PHE:H	4	0.65
(1,3344)	1:77:B:VAL:HG13	1:84:A:MET:HG2	7	0.65
(1,3334)	1:83:B:ALA:HB1	1:82:B:ILE:HG21	1	0.65
(1,3333)	1:83:A:ALA:HB1	1:82:A:ILE:HG21	1	0.65
(1,3318)	1:82:B:ILE:HG22	1:45:B:PHE:HA	9	0.65
(1,3318)	1:82:B:ILE:HG23	1:45:B:PHE:HA	20	0.65
(1,3317)	1:82:A:ILE:HG22	1:45:A:PHE:HA	9	0.65
(1,3317)	1:82:A:ILE:HG22	1:45:A:PHE:HA	13	0.65
(1,3317)	1:82:A:ILE:HG23	1:45:A:PHE:HA	20	0.65
(1,3164)	1:21:B:GLY:H	1:37:B:LEU:HD13	20	0.65
(1,3163)	1:21:A:GLY:H	1:37:A:LEU:HD13	20	0.65
(1,3122)	1:73:B:GLN:HE22	1:73:B:GLN:HA	4	0.65
(1,2924)	1:66:B:ARG:H	1:66:B:ARG:HB3	2	0.65
(1,2924)	1:66:B:ARG:H	1:66:B:ARG:HB3	13	0.65
(1,2923)	1:66:A:ARG:H	1:66:A:ARG:HB3	2	0.65
(1,2923)	1:66:A:ARG:H	1:66:A:ARG:HB3	12	0.65
(1,2923)	1:66:A:ARG:H	1:66:A:ARG:HB3	13	0.65
(1,2785)	1:89:A:PHE:H	1:13:B:VAL:HG12	15	0.65
(1,2722)	1:61:B:ASN:H	1:61:B:ASN:HB3	2	0.65
(1,2722)	1:61:B:ASN:H	1:61:B:ASN:HB3	4	0.65
(1,2722)	1:61:B:ASN:H	1:61:B:ASN:HB3	6	0.65
(1,2722)	1:61:B:ASN:H	1:61:B:ASN:HB3	17	0.65
(1,2722)	1:61:B:ASN:H	1:61:B:ASN:HB3	19	0.65
(1,2721)	1:61:A:ASN:H	1:61:A:ASN:HB3	1	0.65
(1,2721)	1:61:A:ASN:H	1:61:A:ASN:HB3	2	0.65
(1,2721)	1:61:A:ASN:H	1:61:A:ASN:HB3	4	0.65
(1,2721)	1:61:A:ASN:H	1:61:A:ASN:HB3	6	0.65
(1,2721)	1:61:A:ASN:H	1:61:A:ASN:HB3	16	0.65
(1,2721)	1:61:A:ASN:H	1:61:A:ASN:HB3	17	0.65
(1,2564)	1:27:B:PHE:H	1:28:B:LYS:HG2	6	0.65
(1,2564)	1:27:B:PHE:H	1:28:B:LYS:HG2	11	0.65
(1,2563)	1:27:A:PHE:H	1:28:A:LYS:HG2	6	0.65
(1,2563)	1:27:A:PHE:H	1:28:A:LYS:HG2	11	0.65
(1,2518)	1:58:B:LEU:H	1:62:B:LEU:HD13	11	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2517)	1:58:A:LEU:H	1:62:A:LEU:HD13	11	0.65
(1,2510)	1:42:B:LEU:H	1:82:B:ILE:HD13	15	0.65
(1,2509)	1:42:A:LEU:H	1:82:A:ILE:HD13	15	0.65
(1,2210)	1:30:B:ASN:H	1:33:B:GLU:HB3	5	0.65
(1,2163)	1:70:A:VAL:H	1:29:A:LEU:HB3	18	0.65
(1,2074)	1:15:B:THR:HA	1:5:A:LEU:HD21	5	0.65
(1,2074)	1:15:B:THR:HA	1:5:A:LEU:HD22	6	0.65
(1,2073)	1:15:A:THR:HA	1:5:B:LEU:HD21	5	0.65
(1,1994)	1:60:B:SER:HB2	1:61:B:ASN:HB3	9	0.65
(1,1993)	1:60:A:SER:HB2	1:61:A:ASN:HB3	1	0.65
(1,1993)	1:60:A:SER:HB2	1:61:A:ASN:HB3	9	0.65
(1,1992)	1:60:B:SER:HB2	1:66:B:ARG:HD3	19	0.65
(1,1991)	1:60:A:SER:HB2	1:66:A:ARG:HD3	19	0.65
(1,1654)	1:83:B:ALA:HA	1:82:B:ILE:HD13	4	0.65
(1,1653)	1:83:A:ALA:HA	1:82:A:ILE:HD13	4	0.65
(1,1647)	1:49:A:ARG:HD2	1:49:A:ARG:HA	3	0.65
(1,1505)	1:92:A:GLY:HA2	1:91:A:GLU:HG3	2	0.65
(1,1504)	1:92:B:GLY:HA2	1:90:B:PHE:HB3	4	0.65
(1,1504)	1:92:B:GLY:HA2	1:90:B:PHE:HB3	11	0.65
(1,1503)	1:92:A:GLY:HA2	1:90:A:PHE:HB3	11	0.65
(1,1447)	1:29:A:LEU:HB2	1:33:A:GLU:HB3	19	0.65
(1,1362)	1:28:B:LYS:HG3	1:71:B:ASP:HB3	5	0.65
(1,1361)	1:28:A:LYS:HG3	1:71:A:ASP:HB3	5	0.65
(1,1312)	1:34:B:LEU:HB3	1:62:B:LEU:HD13	12	0.65
(1,1311)	1:34:A:LEU:HB3	1:62:A:LEU:HD11	4	0.65
(1,1311)	1:34:A:LEU:HB3	1:62:A:LEU:HD12	15	0.65
(1,1154)	1:30:B:ASN:HB3	1:31:B:LYS:HA	12	0.65
(1,1082)	1:33:B:GLU:HG3	1:29:B:LEU:HB2	7	0.65
(1,1081)	1:33:A:GLU:HG3	1:29:A:LEU:HB2	7	0.65
(1,1076)	1:31:B:LYS:HD3	1:52:B:GLU:HG2	12	0.65
(1,1075)	1:31:A:LYS:HD3	1:52:A:GLU:HG2	12	0.65
(1,742)	1:36:B:GLU:HB2	1:39:B:THR:HG21	2	0.65
(1,741)	1:36:A:GLU:HB2	1:39:A:THR:HG21	2	0.65
(1,607)	1:37:A:LEU:HD11	1:18:A:LYS:HE3	14	0.65
(1,600)	1:37:B:LEU:HD22	1:34:B:LEU:HA	12	0.65
(1,600)	1:37:B:LEU:HD11	1:34:B:LEU:HA	19	0.65
(1,599)	1:37:A:LEU:HD22	1:34:A:LEU:HA	12	0.65
(1,599)	1:37:A:LEU:HD11	1:34:A:LEU:HA	19	0.65
(1,584)	1:29:B:LEU:HD22	1:33:B:GLU:H	8	0.65
(1,508)	1:34:B:LEU:HD22	1:59:B:MET:HG2	14	0.65
(1,507)	1:34:A:LEU:HD22	1:59:A:MET:HG2	14	0.65
(1,507)	1:34:A:LEU:HD23	1:59:A:MET:HG2	18	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,479)	1:79:A:LEU:HG	1:12:A:MET:HB3	2	0.65
(1,412)	1:39:B:THR:HG23	1:46:B:LEU:HD23	10	0.65
(1,411)	1:39:A:THR:HG23	1:46:A:LEU:HD23	10	0.65
(1,371)	1:26:A:LYS:HG3	1:25:A:ASP:HB2	13	0.65
(1,231)	1:13:A:VAL:HG21	1:84:B:MET:HA	5	0.65
(1,231)	1:13:A:VAL:HG23	1:84:B:MET:HA	7	0.65
(1,206)	1:34:B:LEU:HD12	1:38:B:LEU:H	16	0.65
(1,205)	1:34:A:LEU:HD12	1:38:A:LEU:H	16	0.65
(1,126)	1:77:B:VAL:HG11	1:76:B:SER:H	18	0.65
(1,125)	1:77:A:VAL:HG11	1:76:A:SER:H	18	0.65
(1,123)	1:2:A:ALA:HB1	1:5:A:LEU:HD11	11	0.65
(1,60)	1:82:B:ILE:HG21	1:85:B:MET:HG2	5	0.65
(1,59)	1:82:A:ILE:HG21	1:85:A:MET:HG2	5	0.65
(1,18)	1:39:B:THR:HB	1:40:B:ARG:HG2	5	0.65
(1,18)	1:39:B:THR:HB	1:40:B:ARG:HG2	19	0.65
(1,17)	1:39:A:THR:HB	1:40:A:ARG:HG2	4	0.65
(1,17)	1:39:A:THR:HB	1:40:A:ARG:HG2	5	0.65
(1,10)	1:5:B:LEU:HD13	1:15:A:THR:HB	8	0.65
(1,9)	1:5:A:LEU:HD12	1:15:B:THR:HB	2	0.65
(2,276)	1:20:B:SER:H	1:29:B:LEU:HB2	12	0.64
(2,89)	1:61:A:ASN:HA	1:66:A:ARG:HD2	4	0.64
(2,68)	1:59:B:MET:HB3	1:34:B:LEU:HB3	10	0.64
(1,4567)	1:30:A:ASN:HD22	1:69:A:GLU:HG2	18	0.64
(1,4560)	1:73:B:GLN:HE21	1:78:B:PHE:HB2	14	0.64
(1,4560)	1:73:B:GLN:HE21	1:78:B:PHE:HB2	19	0.64
(1,4559)	1:73:A:GLN:HE21	1:78:A:PHE:HB2	19	0.64
(1,4504)	1:28:B:LYS:H	1:69:B:GLU:HG2	10	0.64
(1,4503)	1:28:A:LYS:H	1:69:A:GLU:HG2	10	0.64
(1,4501)	1:87:A:ASN:HD21	1:86:A:SER:HA	3	0.64
(1,4488)	1:17:B:HIS:H	1:26:B:LYS:HD2	14	0.64
(1,4487)	1:17:A:HIS:H	1:26:A:LYS:HD2	14	0.64
(1,4478)	1:85:B:MET:H	1:82:B:ILE:HG13	10	0.64
(1,4477)	1:85:A:MET:H	1:82:A:ILE:HG13	10	0.64
(1,4477)	1:86:A:SER:H	1:13:B:VAL:HG12	16	0.64
(1,4461)	1:31:A:LYS:H	1:33:A:GLU:HG3	4	0.64
(1,4448)	1:69:B:GLU:H	1:28:B:LYS:HA	10	0.64
(1,4447)	1:69:A:GLU:H	1:28:A:LYS:HA	1	0.64
(1,4447)	1:69:A:GLU:H	1:28:A:LYS:HA	10	0.64
(1,4410)	1:61:B:ASN:H	1:58:B:LEU:HD13	11	0.64
(1,4400)	1:72:B:PHE:H	1:13:B:VAL:HG12	11	0.64
(1,4399)	1:72:A:PHE:H	1:13:A:VAL:HG12	11	0.64
(1,4372)	1:95:B:ASP:H	1:94:B:PRO:HB3	6	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4362)	1:9:B:LEU:H	1:11:B:VAL:HB	2	0.64
(1,4362)	1:9:B:LEU:H	1:11:B:VAL:HB	3	0.64
(1,4362)	1:9:B:LEU:H	1:12:B:MET:HB3	11	0.64
(1,4362)	1:9:B:LEU:H	1:11:B:VAL:HB	18	0.64
(1,4361)	1:9:A:LEU:H	1:11:A:VAL:HB	3	0.64
(1,4361)	1:9:A:LEU:H	1:12:A:MET:HB3	11	0.64
(1,4361)	1:9:A:LEU:H	1:11:A:VAL:HB	18	0.64
(1,4332)	1:57:B:LYS:H	1:34:B:LEU:HD23	2	0.64
(1,4118)	1:64:B:SER:HA	1:60:B:SER:HB2	14	0.64
(1,4117)	1:64:A:SER:HA	1:60:A:SER:HB2	14	0.64
(1,4030)	1:49:B:ARG:HA	1:46:B:LEU:HD22	2	0.64
(1,4030)	1:49:B:ARG:HA	1:46:B:LEU:HD21	13	0.64
(1,4029)	1:49:A:ARG:HA	1:46:A:LEU:HD22	2	0.64
(1,4029)	1:49:A:ARG:HA	1:46:A:LEU:HD21	13	0.64
(1,4008)	1:69:B:GLU:HG2	1:28:B:LYS:HA	20	0.64
(1,4007)	1:69:A:GLU:HG2	1:28:A:LYS:HA	20	0.64
(1,4004)	1:61:B:ASN:HA	1:64:B:SER:H	20	0.64
(1,3980)	1:42:B:LEU:HA	1:44:B:SER:HB3	7	0.64
(1,3979)	1:42:A:LEU:HA	1:44:A:SER:HB3	7	0.64
(1,3949)	1:21:A:GLY:HA3	1:22:A:LYS:HD3	9	0.64
(1,3936)	1:62:B:LEU:HB3	1:63:B:ASP:HB3	1	0.64
(1,3936)	1:61:B:ASN:HB3	1:62:B:LEU:HB3	4	0.64
(1,3935)	1:62:A:LEU:HB3	1:63:A:ASP:HB3	1	0.64
(1,3935)	1:61:A:ASN:HB3	1:62:A:LEU:HB3	4	0.64
(1,3816)	1:79:B:LEU:HB3	1:80:B:SER:HB3	2	0.64
(1,3815)	1:79:A:LEU:HB3	1:80:A:SER:HB3	2	0.64
(1,3770)	1:16:B:PHE:HB2	1:87:A:ASN:HB2	5	0.64
(1,3769)	1:16:A:PHE:HB2	1:87:B:ASN:HB2	5	0.64
(1,3768)	1:84:B:MET:HB3	1:87:B:ASN:HB2	20	0.64
(1,3767)	1:84:A:MET:HB3	1:87:A:ASN:HB2	20	0.64
(1,3766)	1:87:B:ASN:HB3	1:89:B:PHE:HB3	1	0.64
(1,3766)	1:87:B:ASN:HB3	1:89:B:PHE:HB3	10	0.64
(1,3765)	1:87:A:ASN:HB3	1:89:A:PHE:HB3	10	0.64
(1,3755)	1:70:A:VAL:HG22	1:74:A:GLU:HG3	16	0.64
(1,3734)	1:36:B:GLU:HG3	1:40:B:ARG:HB2	3	0.64
(1,3733)	1:36:A:GLU:HG3	1:40:A:ARG:HB2	3	0.64
(1,3604)	1:31:B:LYS:HD3	1:35:B:LYS:H	6	0.64
(1,3596)	1:11:B:VAL:HG23	1:7:B:LYS:HD3	20	0.64
(1,3594)	1:57:B:LYS:HG3	1:57:B:LYS:HD2	8	0.64
(1,3593)	1:57:A:LYS:HG3	1:57:A:LYS:HD2	8	0.64
(1,3590)	1:100:B:LYS:HD2	1:100:B:LYS:HD3	2	0.64
(1,3590)	1:7:B:LYS:HD2	1:7:B:LYS:HD3	4	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3590)	1:96:B:LYS:HD2	1:96:B:LYS:HD3	5	0.64
(1,3590)	1:96:B:LYS:HD2	1:96:B:LYS:HD3	13	0.64
(1,3590)	1:57:B:LYS:HD2	1:57:B:LYS:HD3	14	0.64
(1,3590)	1:57:B:LYS:HD2	1:57:B:LYS:HD3	15	0.64
(1,3590)	1:7:B:LYS:HD2	1:7:B:LYS:HD3	17	0.64
(1,3590)	1:7:B:LYS:HD2	1:7:B:LYS:HD3	20	0.64
(1,3589)	1:96:A:LYS:HD2	1:96:A:LYS:HD3	5	0.64
(1,3589)	1:100:A:LYS:HD2	1:100:A:LYS:HD3	7	0.64
(1,3589)	1:96:A:LYS:HD2	1:96:A:LYS:HD3	13	0.64
(1,3589)	1:57:A:LYS:HD2	1:57:A:LYS:HD3	15	0.64
(1,3589)	1:7:A:LYS:HD2	1:7:A:LYS:HD3	16	0.64
(1,3589)	1:7:A:LYS:HD2	1:7:A:LYS:HD3	17	0.64
(1,3589)	1:100:A:LYS:HD2	1:100:A:LYS:HD3	18	0.64
(1,3589)	1:7:A:LYS:HD2	1:7:A:LYS:HD3	20	0.64
(1,3576)	1:88:B:GLU:HB2	1:90:B:PHE:HB3	9	0.64
(1,3575)	1:88:A:GLU:HB2	1:90:A:PHE:HB3	9	0.64
(1,3558)	1:40:B:ARG:HG2	1:36:B:GLU:HG2	12	0.64
(1,3558)	1:40:B:ARG:HG2	1:36:B:GLU:HG2	17	0.64
(1,3522)	1:38:B:LEU:HD22	1:35:B:LYS:H	1	0.64
(1,3522)	1:38:B:LEU:HD23	1:35:B:LYS:H	17	0.64
(1,3521)	1:38:A:LEU:HD22	1:35:A:LYS:H	1	0.64
(1,3512)	1:42:B:LEU:HD23	1:6:A:GLU:HA	16	0.64
(1,3511)	1:42:A:LEU:HD23	1:6:B:GLU:HA	16	0.64
(1,3462)	1:29:B:LEU:HD12	1:69:B:GLU:HA	7	0.64
(1,3461)	1:29:A:LEU:HD12	1:69:A:GLU:HA	7	0.64
(1,3434)	1:38:B:LEU:HD12	1:41:B:GLU:HB3	9	0.64
(1,3433)	1:38:A:LEU:HD12	1:41:A:GLU:HB3	9	0.64
(1,3404)	1:77:B:VAL:HG21	1:62:B:LEU:HB3	8	0.64
(1,3404)	1:77:B:VAL:HG21	1:62:B:LEU:HB3	16	0.64
(1,3403)	1:77:A:VAL:HG21	1:62:A:LEU:HB3	8	0.64
(1,3403)	1:77:A:VAL:HG21	1:62:A:LEU:HB3	16	0.64
(1,3351)	1:13:A:VAL:HG11	1:90:B:PHE:H	8	0.64
(1,3343)	1:77:A:VAL:HG13	1:84:B:MET:HG2	7	0.64
(1,3121)	1:73:A:GLN:HE22	1:73:A:GLN:HA	4	0.64
(1,2924)	1:66:B:ARG:H	1:66:B:ARG:HB3	12	0.64
(1,2924)	1:66:B:ARG:H	1:66:B:ARG:HB3	16	0.64
(1,2924)	1:66:B:ARG:H	1:66:B:ARG:HB3	20	0.64
(1,2923)	1:66:A:ARG:H	1:66:A:ARG:HB3	16	0.64
(1,2923)	1:66:A:ARG:H	1:66:A:ARG:HB3	20	0.64
(1,2722)	1:61:B:ASN:H	1:61:B:ASN:HB3	11	0.64
(1,2722)	1:61:B:ASN:H	1:61:B:ASN:HB3	18	0.64
(1,2721)	1:61:A:ASN:H	1:61:A:ASN:HB3	11	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2721)	1:61:A:ASN:H	1:61:A:ASN:HB3	18	0.64
(1,2721)	1:61:A:ASN:H	1:61:A:ASN:HB3	19	0.64
(1,2650)	1:10:B:ASP:H	1:82:A:ILE:HD11	1	0.64
(1,2394)	1:18:B:LYS:H	1:37:B:LEU:HD13	18	0.64
(1,2372)	1:11:B:VAL:H	1:8:B:ALA:HB3	18	0.64
(1,2371)	1:11:A:VAL:H	1:8:A:ALA:HB3	18	0.64
(1,2355)	1:54:A:ALA:H	1:46:A:LEU:HD12	3	0.64
(1,2164)	1:70:B:VAL:H	1:29:B:LEU:HB3	15	0.64
(1,2164)	1:70:B:VAL:H	1:29:B:LEU:HB3	18	0.64
(1,1994)	1:60:B:SER:HB2	1:61:B:ASN:HB3	12	0.64
(1,1992)	1:60:B:SER:HB2	1:66:B:ARG:HD3	7	0.64
(1,1762)	1:61:B:ASN:HB3	1:58:B:LEU:HA	10	0.64
(1,1761)	1:61:A:ASN:HB3	1:58:A:LEU:HA	10	0.64
(1,1654)	1:83:B:ALA:HA	1:82:B:ILE:HD12	18	0.64
(1,1653)	1:83:A:ALA:HA	1:82:A:ILE:HD12	3	0.64
(1,1653)	1:83:A:ALA:HA	1:82:A:ILE:HD12	18	0.64
(1,1648)	1:49:B:ARG:HD2	1:49:B:ARG:HA	3	0.64
(1,1504)	1:92:B:GLY:HA2	1:90:B:PHE:HB3	9	0.64
(1,1503)	1:92:A:GLY:HA2	1:90:A:PHE:HB3	4	0.64
(1,1503)	1:92:A:GLY:HA2	1:90:A:PHE:HB3	9	0.64
(1,1486)	1:42:B:LEU:HB3	1:41:B:GLU:HB3	1	0.64
(1,1485)	1:42:A:LEU:HB3	1:41:A:GLU:HB3	1	0.64
(1,1452)	1:29:B:LEU:HB2	1:37:B:LEU:HB3	1	0.64
(1,1451)	1:29:A:LEU:HB2	1:37:A:LEU:HB3	1	0.64
(1,1312)	1:34:B:LEU:HB3	1:62:B:LEU:HD11	4	0.64
(1,1312)	1:34:B:LEU:HB3	1:62:B:LEU:HD11	6	0.64
(1,1312)	1:34:B:LEU:HB3	1:62:B:LEU:HD12	15	0.64
(1,1311)	1:34:A:LEU:HB3	1:62:A:LEU:HD11	6	0.64
(1,1082)	1:33:B:GLU:HG2	1:29:B:LEU:HB2	1	0.64
(1,1081)	1:33:A:GLU:HG2	1:29:A:LEU:HB2	1	0.64
(1,742)	1:36:B:GLU:HB2	1:39:B:THR:HG21	15	0.64
(1,741)	1:36:A:GLU:HB2	1:39:A:THR:HG21	15	0.64
(1,670)	1:94:B:PRO:HG2	1:97:B:GLN:HB2	5	0.64
(1,669)	1:94:A:PRO:HG2	1:97:A:GLN:HB2	5	0.64
(1,608)	1:37:B:LEU:HD11	1:18:B:LYS:HE3	14	0.64
(1,584)	1:29:B:LEU:HD23	1:33:B:GLU:H	3	0.64
(1,583)	1:29:A:LEU:HD23	1:33:A:GLU:H	3	0.64
(1,583)	1:29:A:LEU:HD22	1:33:A:GLU:H	8	0.64
(1,574)	1:9:B:LEU:HG	1:83:A:ALA:HB1	17	0.64
(1,573)	1:9:A:LEU:HG	1:83:B:ALA:HB2	5	0.64
(1,573)	1:9:A:LEU:HG	1:83:B:ALA:HB2	6	0.64
(1,508)	1:34:B:LEU:HD23	1:59:B:MET:HG2	18	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,372)	1:26:B:LYS:HG3	1:25:B:ASP:HB2	12	0.64
(1,372)	1:26:B:LYS:HG3	1:25:B:ASP:HB2	13	0.64
(1,372)	1:26:B:LYS:HG3	1:25:B:ASP:HB2	15	0.64
(1,371)	1:26:A:LYS:HG3	1:25:A:ASP:HB2	12	0.64
(1,371)	1:26:A:LYS:HG3	1:25:A:ASP:HB2	15	0.64
(1,371)	1:26:A:LYS:HG3	1:25:A:ASP:HB2	19	0.64
(1,232)	1:13:B:VAL:HG21	1:84:A:MET:HA	5	0.64
(1,232)	1:13:B:VAL:HG23	1:84:A:MET:HA	7	0.64
(1,124)	1:2:B:ALA:HB3	1:5:B:LEU:HD11	14	0.64
(1,123)	1:2:A:ALA:HB3	1:5:A:LEU:HD11	14	0.64
(1,18)	1:39:B:THR:HB	1:40:B:ARG:HG2	4	0.64
(1,18)	1:39:B:THR:HB	1:40:B:ARG:HG2	12	0.64
(1,18)	1:39:B:THR:HB	1:40:B:ARG:HG2	16	0.64
(1,17)	1:39:A:THR:HB	1:40:A:ARG:HG2	12	0.64
(1,17)	1:39:A:THR:HB	1:40:A:ARG:HG2	16	0.64
(2,294)	1:21:B:GLY:H	1:26:B:LYS:HB3	9	0.63
(2,293)	1:21:A:GLY:H	1:26:A:LYS:HB3	9	0.63
(2,276)	1:20:B:SER:H	1:29:B:LEU:HB2	7	0.63
(2,276)	1:20:B:SER:H	1:29:B:LEU:HB2	13	0.63
(2,275)	1:20:A:SER:H	1:29:A:LEU:HB2	7	0.63
(2,275)	1:20:A:SER:H	1:29:A:LEU:HB2	13	0.63
(2,130)	1:21:B:GLY:HA2	1:18:B:LYS:HA	17	0.63
(2,129)	1:21:A:GLY:HA2	1:18:A:LYS:HA	17	0.63
(2,67)	1:59:A:MET:HB3	1:34:A:LEU:HB3	10	0.63
(2,20)	1:5:B:LEU:HG	1:6:B:GLU:HB2	14	0.63
(2,19)	1:5:A:LEU:HG	1:6:A:GLU:HB2	14	0.63
(1,4603)	1:73:A:GLN:H	1:13:A:VAL:HG13	2	0.63
(1,4600)	1:73:B:GLN:H	1:75:B:TYR:HB3	20	0.63
(1,4568)	1:30:B:ASN:HD22	1:69:B:GLU:HG2	18	0.63
(1,4562)	1:73:B:GLN:HE22	1:77:B:VAL:HA	1	0.63
(1,4559)	1:73:A:GLN:HE21	1:78:A:PHE:HB2	14	0.63
(1,4510)	1:32:B:SER:H	1:34:B:LEU:HD22	16	0.63
(1,4509)	1:32:A:SER:H	1:34:A:LEU:HD22	16	0.63
(1,4502)	1:87:B:ASN:HD21	1:86:B:SER:HA	3	0.63
(1,4478)	1:86:B:SER:H	1:13:A:VAL:HG12	16	0.63
(1,4462)	1:31:B:LYS:H	1:33:B:GLU:HG3	8	0.63
(1,4461)	1:31:A:LYS:H	1:33:A:GLU:HG3	8	0.63
(1,4448)	1:69:B:GLU:H	1:28:B:LYS:HA	1	0.63
(1,4421)	1:46:A:LEU:H	1:7:B:LYS:HD2	18	0.63
(1,4366)	1:9:B:LEU:H	1:79:A:LEU:HD13	6	0.63
(1,4365)	1:9:A:LEU:H	1:79:B:LEU:HD13	6	0.63
(1,4362)	1:9:B:LEU:H	1:11:B:VAL:HB	10	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4362)	1:9:B:LEU:H	1:11:B:VAL:HB	16	0.63
(1,4361)	1:9:A:LEU:H	1:11:A:VAL:HB	10	0.63
(1,4361)	1:9:A:LEU:H	1:11:A:VAL:HB	16	0.63
(1,4346)	1:16:B:PHE:H	1:2:A:ALA:HB1	3	0.63
(1,4331)	1:57:A:LYS:H	1:34:A:LEU:HD23	2	0.63
(1,4328)	1:58:B:LEU:H	1:56:B:GLN:HB3	18	0.63
(1,4327)	1:58:A:LEU:H	1:56:A:GLN:HB3	18	0.63
(1,4316)	1:74:B:GLU:H	1:70:B:VAL:HG22	6	0.63
(1,4315)	1:74:A:GLU:H	1:70:A:VAL:HG22	6	0.63
(1,4287)	1:45:A:PHE:H	1:82:A:ILE:HG21	11	0.63
(1,4164)	1:14:B:SER:HB3	1:18:B:LYS:HD3	10	0.63
(1,4157)	1:32:A:SER:HB2	1:23:A:GLU:HG2	5	0.63
(1,4084)	1:61:B:ASN:HA	1:57:B:LYS:HA	10	0.63
(1,4083)	1:61:A:ASN:HA	1:57:A:LYS:HA	10	0.63
(1,4030)	1:49:B:ARG:HA	1:46:B:LEU:HD22	6	0.63
(1,4030)	1:49:B:ARG:HA	1:46:B:LEU:HD22	11	0.63
(1,4029)	1:49:A:ARG:HA	1:46:A:LEU:HD22	6	0.63
(1,4029)	1:49:A:ARG:HA	1:46:A:LEU:HD22	11	0.63
(1,4003)	1:61:A:ASN:HA	1:64:A:SER:H	20	0.63
(1,4002)	1:69:B:GLU:HA	1:33:B:GLU:HB2	3	0.63
(1,4001)	1:69:A:GLU:HA	1:33:A:GLU:HB2	3	0.63
(1,3978)	1:29:B:LEU:HA	1:31:B:LYS:HA	14	0.63
(1,3978)	1:29:B:LEU:HA	1:31:B:LYS:HA	20	0.63
(1,3977)	1:29:A:LEU:HA	1:31:A:LYS:HA	14	0.63
(1,3977)	1:29:A:LEU:HA	1:31:A:LYS:HA	20	0.63
(1,3950)	1:21:B:GLY:HA3	1:22:B:LYS:HD3	9	0.63
(1,3936)	1:61:B:ASN:HB3	1:62:B:LEU:HB3	6	0.63
(1,3936)	1:61:B:ASN:HB3	1:62:B:LEU:HB3	14	0.63
(1,3935)	1:61:A:ASN:HB3	1:62:A:LEU:HB3	6	0.63
(1,3935)	1:61:A:ASN:HB3	1:62:A:LEU:HB3	14	0.63
(1,3830)	1:34:B:LEU:HB2	1:33:B:GLU:HA	17	0.63
(1,3829)	1:34:A:LEU:HB2	1:33:A:GLU:HA	17	0.63
(1,3770)	1:16:B:PHE:HB2	1:87:A:ASN:HB2	2	0.63
(1,3765)	1:87:A:ASN:HB3	1:89:A:PHE:HB3	1	0.63
(1,3756)	1:70:B:VAL:HG21	1:74:B:GLU:HG3	1	0.63
(1,3756)	1:70:B:VAL:HG22	1:74:B:GLU:HG3	16	0.63
(1,3755)	1:70:A:VAL:HG21	1:74:A:GLU:HG3	1	0.63
(1,3656)	1:48:B:LYS:HB3	1:48:B:LYS:HE2	8	0.63
(1,3636)	1:33:B:GLU:HB3	1:34:B:LEU:HB2	5	0.63
(1,3635)	1:33:A:GLU:HB3	1:34:A:LEU:HB2	5	0.63
(1,3604)	1:31:B:LYS:HD3	1:35:B:LYS:H	20	0.63
(1,3603)	1:31:A:LYS:HD3	1:35:A:LYS:H	20	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3600)	1:31:B:LYS:HD2	1:32:B:SER:HB2	14	0.63
(1,3600)	1:31:B:LYS:HD2	1:32:B:SER:HB2	20	0.63
(1,3599)	1:31:A:LYS:HD2	1:32:A:SER:HB2	14	0.63
(1,3599)	1:31:A:LYS:HD2	1:32:A:SER:HB2	20	0.63
(1,3595)	1:11:A:VAL:HG23	1:7:A:LYS:HD3	20	0.63
(1,3594)	1:57:B:LYS:HG3	1:57:B:LYS:HD2	7	0.63
(1,3594)	1:96:B:LYS:HG3	1:96:B:LYS:HD2	10	0.63
(1,3594)	1:57:B:LYS:HG3	1:57:B:LYS:HD2	11	0.63
(1,3594)	1:57:B:LYS:HG2	1:57:B:LYS:HD3	20	0.63
(1,3593)	1:57:A:LYS:HG3	1:57:A:LYS:HD2	7	0.63
(1,3593)	1:96:A:LYS:HG3	1:96:A:LYS:HD2	10	0.63
(1,3593)	1:57:A:LYS:HG3	1:57:A:LYS:HD2	11	0.63
(1,3593)	1:57:A:LYS:HG2	1:57:A:LYS:HD3	20	0.63
(1,3557)	1:40:A:ARG:HG2	1:36:A:GLU:HG2	12	0.63
(1,3557)	1:40:A:ARG:HG2	1:36:A:GLU:HG2	17	0.63
(1,3521)	1:38:A:LEU:HD23	1:35:A:LYS:H	17	0.63
(1,3498)	1:79:B:LEU:HG	1:80:A:SER:HB3	4	0.63
(1,3494)	1:79:B:LEU:HD23	1:15:B:THR:HB	2	0.63
(1,3493)	1:79:A:LEU:HD23	1:15:A:THR:HB	2	0.63
(1,3462)	1:29:B:LEU:HD12	1:69:B:GLU:HA	2	0.63
(1,3461)	1:29:A:LEU:HD12	1:69:A:GLU:HA	2	0.63
(1,3404)	1:77:B:VAL:HG22	1:62:B:LEU:HB3	11	0.63
(1,3352)	1:13:B:VAL:HG11	1:90:A:PHE:H	8	0.63
(1,3351)	1:13:A:VAL:HG13	1:90:B:PHE:H	4	0.63
(1,3312)	1:82:B:ILE:HD12	1:10:A:ASP:HB2	10	0.63
(1,3311)	1:82:A:ILE:HD12	1:10:B:ASP:HB2	10	0.63
(1,3074)	1:60:B:SER:H	1:62:B:LEU:HD13	3	0.63
(1,3073)	1:60:A:SER:H	1:62:A:LEU:HD13	3	0.63
(1,2924)	1:66:B:ARG:H	1:66:B:ARG:HB3	4	0.63
(1,2924)	1:66:B:ARG:H	1:66:B:ARG:HB3	8	0.63
(1,2923)	1:66:A:ARG:H	1:66:A:ARG:HB3	4	0.63
(1,2923)	1:66:A:ARG:H	1:66:A:ARG:HB3	8	0.63
(1,2650)	1:10:B:ASP:H	1:82:A:ILE:HD13	10	0.63
(1,2649)	1:10:A:ASP:H	1:82:B:ILE:HD11	1	0.63
(1,2518)	1:58:B:LEU:H	1:62:B:LEU:HD11	3	0.63
(1,2518)	1:58:B:LEU:H	1:62:B:LEU:HD11	5	0.63
(1,2518)	1:58:B:LEU:H	1:62:B:LEU:HD13	13	0.63
(1,2517)	1:58:A:LEU:H	1:62:A:LEU:HD11	3	0.63
(1,2517)	1:58:A:LEU:H	1:62:A:LEU:HD11	5	0.63
(1,2517)	1:58:A:LEU:H	1:62:A:LEU:HD13	13	0.63
(1,2393)	1:18:A:LYS:H	1:37:A:LEU:HD13	18	0.63
(1,2372)	1:11:B:VAL:H	1:8:B:ALA:HB3	2	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2356)	1:54:B:ALA:H	1:46:B:LEU:HD12	3	0.63
(1,2356)	1:54:B:ALA:H	1:46:B:LEU:HD11	11	0.63
(1,2355)	1:54:A:ALA:H	1:46:A:LEU:HD11	11	0.63
(1,2164)	1:70:B:VAL:H	1:29:B:LEU:HB3	13	0.63
(1,2163)	1:70:A:VAL:H	1:29:A:LEU:HB3	13	0.63
(1,2163)	1:70:A:VAL:H	1:29:A:LEU:HB3	15	0.63
(1,2074)	1:15:B:THR:HA	1:5:A:LEU:HD22	3	0.63
(1,2073)	1:15:A:THR:HA	1:5:B:LEU:HD22	3	0.63
(1,2040)	1:43:B:PRO:HA	1:46:B:LEU:HD13	3	0.63
(1,2039)	1:43:A:PRO:HA	1:46:A:LEU:HD13	3	0.63
(1,1993)	1:60:A:SER:HB2	1:61:A:ASN:HB3	12	0.63
(1,1993)	1:60:A:SER:HB2	1:61:A:ASN:HB3	14	0.63
(1,1993)	1:60:A:SER:HB2	1:61:A:ASN:HB3	17	0.63
(1,1654)	1:83:B:ALA:HA	1:82:B:ILE:HD12	3	0.63
(1,1506)	1:92:B:GLY:HA2	1:91:B:GLU:HG3	12	0.63
(1,1505)	1:92:A:GLY:HA2	1:91:A:GLU:HG3	12	0.63
(1,1486)	1:42:B:LEU:HB3	1:41:B:GLU:HB3	19	0.63
(1,1485)	1:42:A:LEU:HB3	1:41:A:GLU:HB3	19	0.63
(1,1312)	1:34:B:LEU:HB3	1:62:B:LEU:HD13	3	0.63
(1,1311)	1:34:A:LEU:HB3	1:62:A:LEU:HD13	3	0.63
(1,1070)	1:88:B:GLU:HG3	1:96:B:LYS:HE2	16	0.63
(1,1069)	1:88:A:GLU:HG3	1:96:A:LYS:HE2	16	0.63
(1,918)	1:85:B:MET:HG3	1:84:B:MET:HG3	4	0.63
(1,917)	1:85:A:MET:HG3	1:84:A:MET:HG3	4	0.63
(1,906)	1:31:B:LYS:HB3	1:35:B:LYS:HE3	11	0.63
(1,905)	1:31:A:LYS:HB3	1:35:A:LYS:HE3	11	0.63
(1,742)	1:36:B:GLU:HB2	1:39:B:THR:HG22	8	0.63
(1,741)	1:36:A:GLU:HB2	1:39:A:THR:HG22	8	0.63
(1,732)	1:52:B:GLU:HB3	1:31:B:LYS:HE2	7	0.63
(1,680)	1:88:B:GLU:HB2	1:97:B:GLN:HE21	18	0.63
(1,679)	1:88:A:GLU:HB2	1:97:A:GLN:HE21	18	0.63
(1,584)	1:29:B:LEU:HD21	1:33:B:GLU:H	4	0.63
(1,584)	1:29:B:LEU:HD22	1:33:B:GLU:H	20	0.63
(1,583)	1:29:A:LEU:HD21	1:33:A:GLU:H	4	0.63
(1,583)	1:29:A:LEU:HD22	1:33:A:GLU:H	20	0.63
(1,574)	1:9:B:LEU:HG	1:83:A:ALA:HB2	5	0.63
(1,574)	1:9:B:LEU:HG	1:83:A:ALA:HB2	6	0.63
(1,536)	1:38:B:LEU:HD22	1:82:B:ILE:HD12	11	0.63
(1,482)	1:79:B:LEU:HD22	1:12:B:MET:HB2	10	0.63
(1,481)	1:79:A:LEU:HD22	1:12:A:MET:HB2	10	0.63
(1,372)	1:26:B:LYS:HG3	1:25:B:ASP:HB2	19	0.63
(1,366)	1:96:B:LYS:HG3	1:91:B:GLU:H	4	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,365)	1:96:A:LYS:HG3	1:91:A:GLU:H	4	0.63
(1,232)	1:13:B:VAL:HG23	1:84:A:MET:HA	1	0.63
(1,232)	1:13:B:VAL:HG21	1:84:A:MET:HA	4	0.63
(1,231)	1:13:A:VAL:HG23	1:84:B:MET:HA	1	0.63
(1,176)	1:70:B:VAL:HG11	1:71:B:ASP:HB3	4	0.63
(1,175)	1:70:A:VAL:HG11	1:71:A:ASP:HB3	4	0.63
(1,126)	1:77:B:VAL:HG13	1:76:B:SER:H	15	0.63
(1,125)	1:77:A:VAL:HG11	1:76:A:SER:H	14	0.63
(1,125)	1:77:A:VAL:HG13	1:76:A:SER:H	15	0.63
(1,90)	1:54:B:ALA:HB3	1:52:B:GLU:HB2	3	0.63
(1,89)	1:54:A:ALA:HB3	1:52:A:GLU:HB2	3	0.63
(2,286)	1:65:B:ASN:HD21	1:68:B:ASN:HD21	18	0.62
(2,276)	1:20:B:SER:H	1:29:B:LEU:HB2	8	0.62
(2,275)	1:20:A:SER:H	1:29:A:LEU:HB2	8	0.62
(1,4604)	1:73:B:GLN:H	1:13:B:VAL:HG13	2	0.62
(1,4599)	1:73:A:GLN:H	1:75:A:TYR:HB3	20	0.62
(1,4561)	1:73:A:GLN:HE22	1:77:A:VAL:HA	1	0.62
(1,4559)	1:73:A:GLN:HE21	1:78:A:PHE:HB2	16	0.62
(1,4544)	1:97:B:GLN:HE21	1:98:B:PRO:HD3	7	0.62
(1,4543)	1:97:A:GLN:HE21	1:98:A:PRO:HD3	7	0.62
(1,4526)	1:68:B:ASN:HD21	1:56:B:GLN:HA	13	0.62
(1,4525)	1:68:A:ASN:HD21	1:56:A:GLN:HA	13	0.62
(1,4502)	1:87:B:ASN:HD21	1:86:B:SER:HA	10	0.62
(1,4502)	1:87:B:ASN:HD21	1:89:B:PHE:HA	15	0.62
(1,4501)	1:87:A:ASN:HD21	1:86:A:SER:HA	10	0.62
(1,4501)	1:87:A:ASN:HD21	1:89:A:PHE:HA	15	0.62
(1,4428)	1:34:B:LEU:H	1:22:B:LYS:HE3	17	0.62
(1,4427)	1:34:A:LEU:H	1:22:A:LYS:HE3	17	0.62
(1,4422)	1:46:B:LEU:H	1:7:A:LYS:HD2	15	0.62
(1,4422)	1:46:B:LEU:H	1:7:A:LYS:HD2	18	0.62
(1,4384)	1:76:B:SER:H	1:83:A:ALA:HB1	8	0.62
(1,4383)	1:76:A:SER:H	1:83:B:ALA:HB1	8	0.62
(1,4362)	1:9:B:LEU:H	1:11:B:VAL:HB	4	0.62
(1,4361)	1:9:A:LEU:H	1:11:A:VAL:HB	4	0.62
(1,4345)	1:16:A:PHE:H	1:2:B:ALA:HB1	3	0.62
(1,4288)	1:45:B:PHE:H	1:82:B:ILE:HG21	11	0.62
(1,4283)	1:3:A:SER:H	1:37:B:LEU:HD21	17	0.62
(1,4158)	1:32:B:SER:HB2	1:23:B:GLU:HG2	5	0.62
(1,4030)	1:49:B:ARG:HA	1:46:B:LEU:HD23	3	0.62
(1,4030)	1:49:B:ARG:HA	1:46:B:LEU:HD23	7	0.62
(1,4029)	1:49:A:ARG:HA	1:46:A:LEU:HD23	3	0.62
(1,4016)	1:41:B:GLU:HA	1:37:B:LEU:HD22	5	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4015)	1:41:A:GLU:HA	1:37:A:LEU:HD22	5	0.62
(1,4004)	1:59:B:MET:H	1:61:B:ASN:HA	12	0.62
(1,4004)	1:59:B:MET:H	1:61:B:ASN:HA	19	0.62
(1,4003)	1:59:A:MET:H	1:61:A:ASN:HA	12	0.62
(1,4003)	1:59:A:MET:H	1:61:A:ASN:HA	19	0.62
(1,3936)	1:61:B:ASN:HB3	1:62:B:LEU:HB3	8	0.62
(1,3935)	1:61:A:ASN:HB3	1:62:A:LEU:HB3	8	0.62
(1,3832)	1:9:B:LEU:HB2	1:12:B:MET:HB3	5	0.62
(1,3831)	1:9:A:LEU:HB2	1:12:A:MET:HB3	5	0.62
(1,3816)	1:79:B:LEU:HB3	1:80:B:SER:HB3	10	0.62
(1,3816)	1:79:B:LEU:HB3	1:80:B:SER:HB2	11	0.62
(1,3815)	1:79:A:LEU:HB3	1:80:A:SER:HB3	10	0.62
(1,3815)	1:79:A:LEU:HB3	1:80:A:SER:HB2	11	0.62
(1,3804)	1:16:B:PHE:HB2	1:79:B:LEU:HG	20	0.62
(1,3803)	1:16:A:PHE:HB2	1:79:A:LEU:HG	20	0.62
(1,3655)	1:48:A:LYS:HB3	1:48:A:LYS:HE2	8	0.62
(1,3636)	1:33:B:GLU:HB3	1:34:B:LEU:HB2	2	0.62
(1,3635)	1:33:A:GLU:HB3	1:34:A:LEU:HB2	2	0.62
(1,3634)	1:43:B:PRO:HB3	1:7:A:LYS:HG3	17	0.62
(1,3617)	1:17:A:HIS:HB3	1:13:A:VAL:HG11	9	0.62
(1,3606)	1:28:B:LYS:HD3	1:67:B:ASP:HB2	20	0.62
(1,3605)	1:28:A:LYS:HD3	1:67:A:ASP:HB2	20	0.62
(1,3594)	1:57:B:LYS:HG3	1:57:B:LYS:HD2	1	0.62
(1,3594)	1:57:B:LYS:HG3	1:57:B:LYS:HD2	4	0.62
(1,3594)	1:57:B:LYS:HG3	1:57:B:LYS:HD2	12	0.62
(1,3594)	1:57:B:LYS:HG3	1:57:B:LYS:HD2	13	0.62
(1,3594)	1:57:B:LYS:HG3	1:57:B:LYS:HD2	19	0.62
(1,3593)	1:57:A:LYS:HG3	1:57:A:LYS:HD2	1	0.62
(1,3593)	1:57:A:LYS:HG3	1:57:A:LYS:HD2	4	0.62
(1,3593)	1:57:A:LYS:HG3	1:57:A:LYS:HD2	12	0.62
(1,3593)	1:57:A:LYS:HG3	1:57:A:LYS:HD2	13	0.62
(1,3593)	1:57:A:LYS:HG3	1:57:A:LYS:HD2	19	0.62
(1,3558)	1:40:B:ARG:HG2	1:36:B:GLU:HG2	3	0.62
(1,3557)	1:40:A:ARG:HG2	1:36:A:GLU:HG2	3	0.62
(1,3542)	1:37:B:LEU:HD11	1:17:B:HIS:HA	15	0.62
(1,3541)	1:37:A:LEU:HD11	1:17:A:HIS:HA	15	0.62
(1,3540)	1:29:B:LEU:HD22	1:22:B:LYS:H	19	0.62
(1,3539)	1:29:A:LEU:HD22	1:22:A:LYS:H	19	0.62
(1,3528)	1:5:B:LEU:HG	1:10:B:ASP:H	17	0.62
(1,3511)	1:42:A:LEU:HD22	1:6:B:GLU:HA	12	0.62
(1,3497)	1:79:A:LEU:HG	1:80:B:SER:HB3	4	0.62
(1,3462)	1:29:B:LEU:HD11	1:69:B:GLU:HA	8	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3461)	1:29:A:LEU:HD11	1:69:A:GLU:HA	8	0.62
(1,3404)	1:77:B:VAL:HG23	1:62:B:LEU:HB3	14	0.62
(1,3403)	1:77:A:VAL:HG22	1:62:A:LEU:HB3	11	0.62
(1,3403)	1:77:A:VAL:HG23	1:62:A:LEU:HB3	14	0.62
(1,3344)	1:77:B:VAL:HG12	1:84:A:MET:HG2	15	0.62
(1,3343)	1:77:A:VAL:HG12	1:84:B:MET:HG2	15	0.62
(1,3334)	1:83:B:ALA:HB1	1:82:B:ILE:HG23	7	0.62
(1,3333)	1:83:A:ALA:HB1	1:82:A:ILE:HG23	7	0.62
(1,3318)	1:82:B:ILE:HG23	1:45:B:PHE:HA	16	0.62
(1,3317)	1:82:A:ILE:HG23	1:45:A:PHE:HA	16	0.62
(1,3311)	1:82:A:ILE:HD13	1:10:B:ASP:HB2	11	0.62
(1,3214)	1:47:B:GLY:H	1:82:B:ILE:HD13	15	0.62
(1,3213)	1:47:A:GLY:H	1:82:A:ILE:HD13	15	0.62
(1,3164)	1:21:B:GLY:H	1:37:B:LEU:HD13	11	0.62
(1,3163)	1:21:A:GLY:H	1:37:A:LEU:HD13	11	0.62
(1,3073)	1:60:A:SER:H	1:62:A:LEU:HD12	15	0.62
(1,3019)	1:68:A:ASN:HD22	1:66:A:ARG:HG2	3	0.62
(1,2924)	1:66:B:ARG:H	1:66:B:ARG:HB3	3	0.62
(1,2924)	1:66:B:ARG:H	1:66:B:ARG:HB3	10	0.62
(1,2924)	1:66:B:ARG:H	1:66:B:ARG:HB3	18	0.62
(1,2923)	1:66:A:ARG:H	1:66:A:ARG:HB3	3	0.62
(1,2923)	1:66:A:ARG:H	1:66:A:ARG:HB3	10	0.62
(1,2820)	1:40:B:ARG:H	1:46:B:LEU:HD11	20	0.62
(1,2819)	1:40:A:ARG:H	1:46:A:LEU:HD11	20	0.62
(1,2650)	1:10:B:ASP:H	1:82:A:ILE:HD12	8	0.62
(1,2649)	1:10:A:ASP:H	1:82:B:ILE:HD12	8	0.62
(1,2649)	1:10:A:ASP:H	1:82:B:ILE:HD13	10	0.62
(1,2372)	1:11:B:VAL:H	1:8:B:ALA:HB1	12	0.62
(1,2372)	1:11:B:VAL:H	1:8:B:ALA:HB1	16	0.62
(1,2372)	1:11:B:VAL:H	1:8:B:ALA:HB2	17	0.62
(1,2371)	1:11:A:VAL:H	1:8:A:ALA:HB3	2	0.62
(1,2371)	1:11:A:VAL:H	1:8:A:ALA:HB1	12	0.62
(1,2371)	1:11:A:VAL:H	1:8:A:ALA:HB1	16	0.62
(1,2371)	1:11:A:VAL:H	1:8:A:ALA:HB2	17	0.62
(1,2356)	1:54:B:ALA:H	1:46:B:LEU:HD11	8	0.62
(1,2355)	1:54:A:ALA:H	1:46:A:LEU:HD11	8	0.62
(1,2086)	1:39:B:THR:HB	1:40:B:ARG:HD2	2	0.62
(1,2085)	1:39:A:THR:HB	1:40:A:ARG:HD2	2	0.62
(1,2073)	1:15:A:THR:HA	1:5:B:LEU:HD23	7	0.62
(1,1994)	1:60:B:SER:HB2	1:61:B:ASN:HB3	14	0.62
(1,1994)	1:60:B:SER:HB2	1:61:B:ASN:HB3	17	0.62
(1,1992)	1:60:B:SER:HB2	1:66:B:ARG:HD3	6	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1991)	1:60:A:SER:HB2	1:66:A:ARG:HD3	2	0.62
(1,1991)	1:60:A:SER:HB2	1:66:A:ARG:HD3	6	0.62
(1,1991)	1:60:A:SER:HB2	1:66:A:ARG:HD3	7	0.62
(1,1921)	1:86:A:SER:HA	1:13:B:VAL:HG22	18	0.62
(1,1654)	1:83:B:ALA:HA	1:82:B:ILE:HD11	2	0.62
(1,1654)	1:83:B:ALA:HA	1:82:B:ILE:HD11	11	0.62
(1,1653)	1:83:A:ALA:HA	1:82:A:ILE:HD11	2	0.62
(1,1653)	1:83:A:ALA:HA	1:82:A:ILE:HD11	11	0.62
(1,1552)	1:98:B:PRO:HD2	1:101:B:LYS:HG2	11	0.62
(1,1551)	1:98:A:PRO:HD2	1:101:A:LYS:HG2	11	0.62
(1,1408)	1:39:B:THR:HG23	1:40:B:ARG:HD2	1	0.62
(1,1407)	1:39:A:THR:HG23	1:40:A:ARG:HD2	1	0.62
(1,1252)	1:63:B:ASP:HB2	1:60:B:SER:HA	11	0.62
(1,1251)	1:63:A:ASP:HB2	1:60:A:SER:HA	11	0.62
(1,1212)	1:28:B:LYS:HB3	1:70:B:VAL:HG13	9	0.62
(1,1211)	1:28:A:LYS:HB3	1:70:A:VAL:HG13	9	0.62
(1,1203)	1:87:A:ASN:HB3	1:73:B:GLN:HG3	15	0.62
(1,1026)	1:41:B:GLU:HG3	1:40:B:ARG:HA	19	0.62
(1,1025)	1:41:A:GLU:HG3	1:40:A:ARG:HA	19	0.62
(1,944)	1:59:B:MET:HG3	1:31:B:LYS:HE3	2	0.62
(1,943)	1:59:A:MET:HG3	1:31:A:LYS:HE3	2	0.62
(1,840)	1:59:B:MET:HB3	1:62:B:LEU:HD12	2	0.62
(1,839)	1:59:A:MET:HB3	1:62:A:LEU:HD12	2	0.62
(1,838)	1:34:B:LEU:HD23	1:59:B:MET:HB3	15	0.62
(1,731)	1:52:A:GLU:HB3	1:31:A:LYS:HE2	7	0.62
(1,584)	1:29:B:LEU:HD21	1:33:B:GLU:H	2	0.62
(1,583)	1:29:A:LEU:HD21	1:33:A:GLU:H	2	0.62
(1,574)	1:9:B:LEU:HG	1:83:A:ALA:HB3	15	0.62
(1,573)	1:9:A:LEU:HG	1:83:B:ALA:HB1	1	0.62
(1,573)	1:9:A:LEU:HG	1:83:B:ALA:HB3	15	0.62
(1,535)	1:38:A:LEU:HD22	1:82:A:ILE:HD12	11	0.62
(1,231)	1:13:A:VAL:HG21	1:84:B:MET:HA	4	0.62
(1,176)	1:70:B:VAL:HG11	1:71:B:ASP:HB3	11	0.62
(1,175)	1:70:A:VAL:HG11	1:71:A:ASP:HB3	11	0.62
(1,126)	1:77:B:VAL:HG11	1:76:B:SER:H	14	0.62
(1,90)	1:54:B:ALA:HB3	1:52:B:GLU:HB2	11	0.62
(1,89)	1:54:A:ALA:HB3	1:52:A:GLU:HB2	9	0.62
(1,89)	1:54:A:ALA:HB3	1:52:A:GLU:HB2	11	0.62
(1,8)	1:79:B:LEU:HD13	1:9:A:LEU:HD21	8	0.62
(1,7)	1:79:A:LEU:HD13	1:9:B:LEU:HD21	8	0.62
(2,293)	1:21:A:GLY:H	1:26:A:LYS:HB3	8	0.61
(2,285)	1:65:A:ASN:HD21	1:68:A:ASN:HD21	18	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,276)	1:20:B:SER:H	1:29:B:LEU:HB2	2	0.61
(2,275)	1:20:A:SER:H	1:29:A:LEU:HB2	2	0.61
(2,275)	1:20:A:SER:H	1:29:A:LEU:HB2	10	0.61
(2,130)	1:21:B:GLY:HA2	1:18:B:LYS:HA	5	0.61
(2,129)	1:21:A:GLY:HA2	1:18:A:LYS:HA	5	0.61
(2,44)	1:98:B:PRO:HB3	1:97:B:GLN:HB2	1	0.61
(2,43)	1:98:A:PRO:HB3	1:97:A:GLN:HB2	1	0.61
(2,20)	1:5:B:LEU:HG	1:6:B:GLU:HB2	3	0.61
(2,19)	1:5:A:LEU:HG	1:6:A:GLU:HB2	3	0.61
(1,4618)	1:97:B:GLN:HE22	1:96:B:LYS:HB2	15	0.61
(1,4617)	1:97:A:GLN:HE22	1:96:A:LYS:HB2	15	0.61
(1,4604)	1:73:B:GLN:H	1:13:B:VAL:HG12	6	0.61
(1,4603)	1:73:A:GLN:H	1:13:A:VAL:HG12	6	0.61
(1,4560)	1:73:B:GLN:HE21	1:78:B:PHE:HB2	4	0.61
(1,4560)	1:73:B:GLN:HE21	1:78:B:PHE:HB2	16	0.61
(1,4559)	1:73:A:GLN:HE21	1:78:A:PHE:HB2	4	0.61
(1,4544)	1:97:B:GLN:HE21	1:98:B:PRO:HD3	16	0.61
(1,4543)	1:97:A:GLN:HE21	1:98:A:PRO:HD3	16	0.61
(1,4516)	1:20:B:SER:H	1:18:B:LYS:HB3	16	0.61
(1,4515)	1:20:A:SER:H	1:18:A:LYS:HB3	16	0.61
(1,4488)	1:17:B:HIS:H	1:26:B:LYS:HD2	8	0.61
(1,4487)	1:17:A:HIS:H	1:26:A:LYS:HD2	8	0.61
(1,4482)	1:14:B:SER:H	1:79:B:LEU:HD12	3	0.61
(1,4481)	1:14:A:SER:H	1:79:A:LEU:HD12	3	0.61
(1,4457)	1:68:A:ASN:H	1:66:A:ARG:HB2	10	0.61
(1,4448)	1:69:B:GLU:H	1:28:B:LYS:HA	17	0.61
(1,4422)	1:35:B:LYS:H	1:59:B:MET:HB2	5	0.61
(1,4421)	1:46:A:LEU:H	1:7:B:LYS:HD2	12	0.61
(1,4421)	1:46:A:LEU:H	1:7:B:LYS:HD2	15	0.61
(1,4410)	1:61:B:ASN:H	1:58:B:LEU:HD12	18	0.61
(1,4409)	1:61:A:ASN:H	1:58:A:LEU:HD12	18	0.61
(1,4392)	1:7:B:LYS:H	1:42:A:LEU:HD21	10	0.61
(1,4391)	1:7:A:LYS:H	1:42:B:LEU:HD21	10	0.61
(1,4384)	1:76:B:SER:H	1:62:B:LEU:HB3	11	0.61
(1,4383)	1:76:A:SER:H	1:62:A:LEU:HB3	11	0.61
(1,4362)	1:9:B:LEU:H	1:11:B:VAL:HB	12	0.61
(1,4361)	1:9:A:LEU:H	1:11:A:VAL:HB	12	0.61
(1,4361)	1:9:A:LEU:H	1:11:A:VAL:HB	17	0.61
(1,4355)	1:79:A:LEU:H	1:82:A:ILE:HG13	18	0.61
(1,4346)	1:16:B:PHE:H	1:2:A:ALA:HB1	12	0.61
(1,4345)	1:16:A:PHE:H	1:2:B:ALA:HB1	12	0.61
(1,4324)	1:42:B:LEU:H	1:37:B:LEU:HD21	4	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4323)	1:42:A:LEU:H	1:37:A:LEU:HD21	4	0.61
(1,4258)	1:30:B:ASN:H	1:28:B:LYS:HD2	4	0.61
(1,4257)	1:30:A:ASN:H	1:28:A:LYS:HD2	4	0.61
(1,4177)	1:32:A:SER:HB2	1:31:A:LYS:HG3	14	0.61
(1,4163)	1:14:A:SER:HB3	1:18:A:LYS:HD3	10	0.61
(1,4158)	1:32:B:SER:HB2	1:23:B:GLU:HG3	4	0.61
(1,4118)	1:44:B:SER:HA	1:46:B:LEU:HA	6	0.61
(1,4083)	1:61:A:ASN:HA	1:57:A:LYS:HA	20	0.61
(1,4029)	1:49:A:ARG:HA	1:46:A:LEU:HD23	7	0.61
(1,4004)	1:59:B:MET:H	1:61:B:ASN:HA	14	0.61
(1,4003)	1:59:A:MET:H	1:61:A:ASN:HA	14	0.61
(1,3944)	1:42:B:LEU:HB3	1:79:B:LEU:HD21	5	0.61
(1,3943)	1:42:A:LEU:HB3	1:79:A:LEU:HD21	5	0.61
(1,3936)	1:61:B:ASN:HB3	1:62:B:LEU:HB3	19	0.61
(1,3935)	1:61:A:ASN:HB3	1:62:A:LEU:HB3	19	0.61
(1,3888)	1:7:B:LYS:HE2	1:11:B:VAL:HG23	12	0.61
(1,3839)	1:25:A:ASP:HB2	1:28:A:LYS:HG3	6	0.61
(1,3820)	1:79:B:LEU:HB2	1:79:A:LEU:HB2	8	0.61
(1,3819)	1:79:A:LEU:HB2	1:79:B:LEU:HB2	8	0.61
(1,3734)	1:36:B:GLU:HG3	1:40:B:ARG:HB2	5	0.61
(1,3734)	1:36:B:GLU:HG3	1:40:B:ARG:HB2	8	0.61
(1,3734)	1:36:B:GLU:HG3	1:40:B:ARG:HB2	19	0.61
(1,3733)	1:36:A:GLU:HG3	1:40:A:ARG:HB2	5	0.61
(1,3733)	1:36:A:GLU:HG3	1:40:A:ARG:HB2	8	0.61
(1,3733)	1:36:A:GLU:HG3	1:40:A:ARG:HB2	19	0.61
(1,3620)	1:17:B:HIS:HB2	1:13:B:VAL:HG11	16	0.61
(1,3619)	1:17:A:HIS:HB2	1:13:A:VAL:HG11	16	0.61
(1,3618)	1:17:B:HIS:HB3	1:13:B:VAL:HG11	9	0.61
(1,3596)	1:11:B:VAL:HG22	1:7:B:LYS:HD2	5	0.61
(1,3595)	1:11:A:VAL:HG22	1:7:A:LYS:HD2	5	0.61
(1,3594)	1:48:B:LYS:HG2	1:48:B:LYS:HD3	6	0.61
(1,3594)	1:96:B:LYS:HG3	1:96:B:LYS:HD2	14	0.61
(1,3594)	1:57:B:LYS:HG3	1:57:B:LYS:HD2	18	0.61
(1,3593)	1:48:A:LYS:HG2	1:48:A:LYS:HD3	6	0.61
(1,3593)	1:96:A:LYS:HG3	1:96:A:LYS:HD2	14	0.61
(1,3593)	1:57:A:LYS:HG3	1:57:A:LYS:HD2	18	0.61
(1,3586)	1:88:B:GLU:HB2	1:91:B:GLU:HB2	18	0.61
(1,3585)	1:88:A:GLU:HB2	1:91:A:GLU:HB2	18	0.61
(1,3576)	1:88:B:GLU:HB2	1:90:B:PHE:HB3	13	0.61
(1,3562)	1:56:B:GLN:HB3	1:53:B:ALA:HB3	8	0.61
(1,3562)	1:56:B:GLN:HB3	1:53:B:ALA:HB3	14	0.61
(1,3561)	1:56:A:GLN:HB3	1:53:A:ALA:HB3	8	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3561)	1:56:A:GLN:HB3	1:53:A:ALA:HB3	14	0.61
(1,3540)	1:29:B:LEU:HD22	1:22:B:LYS:H	1	0.61
(1,3539)	1:29:A:LEU:HD22	1:22:A:LYS:H	1	0.61
(1,3527)	1:5:A:LEU:HG	1:10:A:ASP:H	17	0.61
(1,3512)	1:42:B:LEU:HD21	1:6:A:GLU:HA	2	0.61
(1,3512)	1:42:B:LEU:HD22	1:6:A:GLU:HA	5	0.61
(1,3512)	1:42:B:LEU:HD22	1:6:A:GLU:HA	12	0.61
(1,3511)	1:42:A:LEU:HD21	1:6:B:GLU:HA	2	0.61
(1,3511)	1:42:A:LEU:HD22	1:6:B:GLU:HA	5	0.61
(1,3497)	1:79:A:LEU:HG	1:80:B:SER:HB3	3	0.61
(1,3497)	1:79:A:LEU:HG	1:80:B:SER:HB3	15	0.61
(1,3462)	1:29:B:LEU:HD13	1:69:B:GLU:HA	3	0.61
(1,3461)	1:29:A:LEU:HD13	1:69:A:GLU:HA	3	0.61
(1,3458)	1:26:B:LYS:HG3	1:28:B:LYS:H	14	0.61
(1,3341)	1:2:A:ALA:HB3	1:79:B:LEU:HD13	19	0.61
(1,3312)	1:82:B:ILE:HD13	1:10:A:ASP:HB2	11	0.61
(1,3264)	1:81:B:SER:H	1:82:B:ILE:HD11	11	0.61
(1,3263)	1:81:A:SER:H	1:82:A:ILE:HD11	11	0.61
(1,3074)	1:60:B:SER:H	1:62:B:LEU:HD12	15	0.61
(1,3059)	1:97:A:GLN:HE21	1:96:A:LYS:HB2	14	0.61
(1,3046)	1:41:B:GLU:H	1:29:B:LEU:HD11	15	0.61
(1,3045)	1:41:A:GLU:H	1:29:A:LEU:HD11	15	0.61
(1,3020)	1:68:B:ASN:HD22	1:66:B:ARG:HG2	3	0.61
(1,2924)	1:66:B:ARG:H	1:66:B:ARG:HB3	11	0.61
(1,2924)	1:66:B:ARG:H	1:66:B:ARG:HB3	14	0.61
(1,2924)	1:66:B:ARG:H	1:66:B:ARG:HB3	17	0.61
(1,2923)	1:66:A:ARG:H	1:66:A:ARG:HB3	1	0.61
(1,2923)	1:66:A:ARG:H	1:66:A:ARG:HB3	11	0.61
(1,2923)	1:66:A:ARG:H	1:66:A:ARG:HB3	14	0.61
(1,2923)	1:66:A:ARG:H	1:66:A:ARG:HB3	17	0.61
(1,2923)	1:66:A:ARG:H	1:66:A:ARG:HB3	18	0.61
(1,2649)	1:10:A:ASP:H	1:82:B:ILE:HD12	5	0.61
(1,2510)	1:42:B:LEU:H	1:82:B:ILE:HD11	7	0.61
(1,2509)	1:42:A:LEU:H	1:82:A:ILE:HD11	7	0.61
(1,2478)	1:87:B:ASN:H	1:13:A:VAL:HG22	8	0.61
(1,2477)	1:87:A:ASN:H	1:13:B:VAL:HG22	8	0.61
(1,2393)	1:18:A:LYS:H	1:37:A:LEU:HD13	6	0.61
(1,2372)	1:11:B:VAL:H	1:8:B:ALA:HB3	9	0.61
(1,2371)	1:11:A:VAL:H	1:8:A:ALA:HB3	9	0.61
(1,2356)	1:54:B:ALA:H	1:46:B:LEU:HD12	9	0.61
(1,2355)	1:54:A:ALA:H	1:46:A:LEU:HD12	9	0.61
(1,2316)	1:78:B:PHE:H	1:84:A:MET:HG2	4	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2315)	1:78:A:PHE:H	1:84:B:MET:HG2	15	0.61
(1,2074)	1:15:B:THR:HA	1:5:A:LEU:HD23	7	0.61
(1,2040)	1:43:B:PRO:HA	1:46:B:LEU:HD12	17	0.61
(1,2039)	1:43:A:PRO:HA	1:46:A:LEU:HD12	17	0.61
(1,1992)	1:60:B:SER:HB2	1:66:B:ARG:HD3	2	0.61
(1,1762)	1:61:B:ASN:HB3	1:58:B:LEU:HA	6	0.61
(1,1762)	1:61:B:ASN:HB3	1:58:B:LEU:HA	7	0.61
(1,1762)	1:61:B:ASN:HB3	1:58:B:LEU:HA	11	0.61
(1,1761)	1:61:A:ASN:HB3	1:58:A:LEU:HA	6	0.61
(1,1761)	1:61:A:ASN:HB3	1:58:A:LEU:HA	7	0.61
(1,1761)	1:61:A:ASN:HB3	1:58:A:LEU:HA	11	0.61
(1,1486)	1:42:B:LEU:HB3	1:41:B:GLU:HB3	5	0.61
(1,1485)	1:42:A:LEU:HB3	1:41:A:GLU:HB3	5	0.61
(1,1472)	1:42:B:LEU:HB3	1:38:B:LEU:H	10	0.61
(1,1471)	1:42:A:LEU:HB3	1:38:A:LEU:H	10	0.61
(1,1452)	1:29:B:LEU:HB2	1:37:B:LEU:HB3	2	0.61
(1,1451)	1:29:A:LEU:HB2	1:37:A:LEU:HB3	2	0.61
(1,1320)	1:92:B:GLY:H	1:96:B:LYS:HE3	16	0.61
(1,1319)	1:92:A:GLY:H	1:96:A:LYS:HE3	16	0.61
(1,1314)	1:58:B:LEU:HB3	1:62:B:LEU:HD13	15	0.61
(1,1313)	1:58:A:LEU:HB3	1:62:A:LEU:HD13	15	0.61
(1,1312)	1:34:B:LEU:HB3	1:62:B:LEU:HD12	13	0.61
(1,1311)	1:34:A:LEU:HB3	1:62:A:LEU:HD12	13	0.61
(1,1204)	1:87:B:ASN:HB3	1:73:A:GLN:HG3	15	0.61
(1,1154)	1:30:B:ASN:HB3	1:31:B:LYS:HA	17	0.61
(1,1153)	1:30:A:ASN:HB3	1:31:A:LYS:HA	17	0.61
(1,1082)	1:33:B:GLU:HG3	1:29:B:LEU:HB2	6	0.61
(1,1081)	1:33:A:GLU:HG3	1:29:A:LEU:HB2	6	0.61
(1,1054)	1:52:B:GLU:HG3	1:51:B:ASP:H	1	0.61
(1,1053)	1:52:A:GLU:HG3	1:51:A:ASP:H	1	0.61
(1,944)	1:59:B:MET:HG3	1:31:B:LYS:HE3	4	0.61
(1,943)	1:59:A:MET:HG3	1:31:A:LYS:HE3	4	0.61
(1,918)	1:85:B:MET:HG3	1:84:B:MET:HG3	1	0.61
(1,918)	1:85:B:MET:HG3	1:84:B:MET:HG3	16	0.61
(1,917)	1:85:A:MET:HG3	1:84:A:MET:HG3	1	0.61
(1,917)	1:85:A:MET:HG3	1:84:A:MET:HG3	16	0.61
(1,837)	1:34:A:LEU:HD23	1:59:A:MET:HB3	15	0.61
(1,776)	1:28:B:LYS:HD2	1:71:B:ASP:HB3	10	0.61
(1,775)	1:28:A:LYS:HD2	1:71:A:ASP:HB3	10	0.61
(1,756)	1:31:B:LYS:HD3	1:56:B:GLN:HE21	17	0.61
(1,742)	1:36:B:GLU:HB2	1:39:B:THR:HG22	17	0.61
(1,742)	1:36:B:GLU:HB2	1:39:B:THR:HG23	19	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,741)	1:36:A:GLU:HB2	1:39:A:THR:HG22	17	0.61
(1,741)	1:36:A:GLU:HB2	1:39:A:THR:HG23	19	0.61
(1,614)	1:29:B:LEU:HD23	1:22:B:LYS:HD3	18	0.61
(1,574)	1:9:B:LEU:HG	1:83:A:ALA:HB1	1	0.61
(1,474)	1:42:B:LEU:HD13	1:79:B:LEU:HA	8	0.61
(1,473)	1:42:A:LEU:HD13	1:79:A:LEU:HA	8	0.61
(1,434)	1:5:B:LEU:HD22	1:6:B:GLU:HG2	1	0.61
(1,433)	1:5:A:LEU:HD22	1:6:A:GLU:HG2	1	0.61
(1,400)	1:22:B:LYS:HG2	1:22:B:LYS:HA	16	0.61
(1,399)	1:22:A:LYS:HG2	1:22:A:LYS:HA	16	0.61
(1,232)	1:13:B:VAL:HG21	1:84:A:MET:HA	16	0.61
(1,231)	1:13:A:VAL:HG21	1:84:B:MET:HA	16	0.61
(1,176)	1:70:B:VAL:HG13	1:71:B:ASP:HB3	9	0.61
(1,175)	1:70:A:VAL:HG13	1:71:A:ASP:HB3	9	0.61
(1,90)	1:54:B:ALA:HB3	1:52:B:GLU:HB2	9	0.61
(1,90)	1:54:B:ALA:HB2	1:52:B:GLU:HB2	14	0.61
(1,89)	1:54:A:ALA:HB2	1:52:A:GLU:HB2	14	0.61
(1,18)	1:39:B:THR:HB	1:40:B:ARG:HG2	7	0.61
(1,18)	1:39:B:THR:HB	1:40:B:ARG:HG2	9	0.61
(1,18)	1:39:B:THR:HB	1:40:B:ARG:HG2	15	0.61
(1,17)	1:39:A:THR:HB	1:40:A:ARG:HG2	7	0.61
(1,17)	1:39:A:THR:HB	1:40:A:ARG:HG2	9	0.61
(1,17)	1:39:A:THR:HB	1:40:A:ARG:HG2	15	0.61
(2,294)	1:21:B:GLY:H	1:26:B:LYS:HB3	8	0.6
(2,276)	1:20:B:SER:H	1:29:B:LEU:HB2	9	0.6
(2,276)	1:20:B:SER:H	1:29:B:LEU:HB2	10	0.6
(2,276)	1:20:B:SER:H	1:29:B:LEU:HB2	16	0.6
(2,275)	1:20:A:SER:H	1:29:A:LEU:HB2	16	0.6
(2,169)	1:70:A:VAL:H	1:30:A:ASN:HB2	15	0.6
(1,4570)	1:30:B:ASN:HD22	1:37:B:LEU:HD13	3	0.6
(1,4570)	1:30:B:ASN:HD22	1:37:B:LEU:HD11	5	0.6
(1,4569)	1:30:A:ASN:HD22	1:37:A:LEU:HD13	3	0.6
(1,4569)	1:30:A:ASN:HD22	1:37:A:LEU:HD11	5	0.6
(1,4568)	1:30:B:ASN:HD22	1:69:B:GLU:HG2	14	0.6
(1,4567)	1:30:A:ASN:HD22	1:69:A:GLU:HG2	14	0.6
(1,4563)	1:73:A:GLN:HE22	1:96:B:LYS:HD3	5	0.6
(1,4560)	1:73:B:GLN:HE21	1:78:B:PHE:HB2	11	0.6
(1,4502)	1:87:B:ASN:HD21	1:86:B:SER:HA	14	0.6
(1,4501)	1:87:A:ASN:HD21	1:86:A:SER:HA	14	0.6
(1,4463)	1:31:A:LYS:H	1:34:A:LEU:HD22	9	0.6
(1,4458)	1:68:B:ASN:H	1:66:B:ARG:HB2	10	0.6
(1,4447)	1:69:A:GLU:H	1:28:A:LYS:HA	17	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4422)	1:46:B:LEU:H	1:7:A:LYS:HD2	12	0.6
(1,4421)	1:35:A:LYS:H	1:59:A:MET:HB2	5	0.6
(1,4410)	1:61:B:ASN:H	1:58:B:LEU:HD11	4	0.6
(1,4409)	1:61:A:ASN:H	1:58:A:LEU:HD11	4	0.6
(1,4362)	1:9:B:LEU:H	1:11:B:VAL:HB	17	0.6
(1,4356)	1:79:B:LEU:H	1:82:B:ILE:HG13	6	0.6
(1,4356)	1:79:B:LEU:H	1:82:B:ILE:HG13	18	0.6
(1,4355)	1:79:A:LEU:H	1:82:A:ILE:HG13	6	0.6
(1,4345)	1:16:A:PHE:H	1:2:B:ALA:HB2	18	0.6
(1,4332)	1:57:B:LYS:H	1:34:B:LEU:HD21	13	0.6
(1,4331)	1:57:A:LYS:H	1:34:A:LEU:HD21	13	0.6
(1,4316)	1:74:B:GLU:H	1:70:B:VAL:HG22	5	0.6
(1,4315)	1:74:A:GLU:H	1:70:A:VAL:HG22	5	0.6
(1,4258)	1:30:B:ASN:H	1:28:B:LYS:HD2	16	0.6
(1,4257)	1:30:A:ASN:H	1:28:A:LYS:HD2	16	0.6
(1,4178)	1:32:B:SER:HB2	1:31:B:LYS:HG3	14	0.6
(1,4157)	1:32:A:SER:HB2	1:23:A:GLU:HG3	4	0.6
(1,4149)	1:76:A:SER:HB3	1:82:B:ILE:HB	9	0.6
(1,4117)	1:44:A:SER:HA	1:46:A:LEU:HA	6	0.6
(1,4084)	1:61:B:ASN:HA	1:57:B:LYS:HA	20	0.6
(1,4030)	1:49:B:ARG:HA	1:46:B:LEU:HD23	9	0.6
(1,4030)	1:49:B:ARG:HA	1:46:B:LEU:HD23	19	0.6
(1,4029)	1:49:A:ARG:HA	1:46:A:LEU:HD23	9	0.6
(1,4029)	1:49:A:ARG:HA	1:46:A:LEU:HD23	19	0.6
(1,4008)	1:69:B:GLU:HG2	1:28:B:LYS:HA	8	0.6
(1,4003)	1:61:A:ASN:HA	1:64:A:SER:H	2	0.6
(1,3944)	1:42:B:LEU:HB3	1:79:B:LEU:HD21	14	0.6
(1,3943)	1:42:A:LEU:HB3	1:79:A:LEU:HD21	14	0.6
(1,3936)	1:61:B:ASN:HB3	1:62:B:LEU:HB3	9	0.6
(1,3935)	1:61:A:ASN:HB3	1:62:A:LEU:HB3	9	0.6
(1,3935)	1:61:A:ASN:HB3	1:62:A:LEU:HB3	11	0.6
(1,3926)	1:46:B:LEU:HD22	1:49:B:ARG:HD3	12	0.6
(1,3925)	1:46:A:LEU:HD22	1:49:A:ARG:HD3	12	0.6
(1,3887)	1:7:A:LYS:HE2	1:11:A:VAL:HG23	12	0.6
(1,3840)	1:25:B:ASP:HB2	1:28:B:LYS:HG3	6	0.6
(1,3772)	1:85:B:MET:HG2	1:87:B:ASN:HB3	1	0.6
(1,3771)	1:85:A:MET:HG2	1:87:A:ASN:HB3	1	0.6
(1,3713)	1:69:A:GLU:HB2	1:70:A:VAL:HG21	13	0.6
(1,3634)	1:43:B:PRO:HB3	1:7:A:LYS:HG3	5	0.6
(1,3633)	1:43:A:PRO:HB3	1:7:B:LYS:HG3	5	0.6
(1,3606)	1:28:B:LYS:HD3	1:67:B:ASP:HB2	6	0.6
(1,3605)	1:28:A:LYS:HD3	1:67:A:ASP:HB2	6	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3604)	1:31:B:LYS:HD3	1:35:B:LYS:H	18	0.6
(1,3603)	1:31:A:LYS:HD3	1:35:A:LYS:H	18	0.6
(1,3593)	1:57:A:LYS:HG3	1:57:A:LYS:HD2	5	0.6
(1,3575)	1:88:A:GLU:HB2	1:90:A:PHE:HB3	13	0.6
(1,3558)	1:40:B:ARG:HG2	1:36:B:GLU:HG2	8	0.6
(1,3557)	1:40:A:ARG:HG2	1:36:A:GLU:HG2	8	0.6
(1,3537)	1:5:A:LEU:HG	1:79:B:LEU:HD11	3	0.6
(1,3512)	1:42:B:LEU:HD21	1:6:A:GLU:HA	13	0.6
(1,3511)	1:42:A:LEU:HD23	1:6:B:GLU:HA	10	0.6
(1,3498)	1:79:B:LEU:HG	1:80:A:SER:HB3	3	0.6
(1,3498)	1:79:B:LEU:HG	1:80:A:SER:HB3	15	0.6
(1,3457)	1:26:A:LYS:HG3	1:28:A:LYS:H	14	0.6
(1,3404)	1:77:B:VAL:HG22	1:83:A:ALA:HB1	6	0.6
(1,3344)	1:77:B:VAL:HG12	1:84:A:MET:HG2	8	0.6
(1,3343)	1:77:A:VAL:HG12	1:84:B:MET:HG2	8	0.6
(1,3342)	1:2:B:ALA:HB3	1:79:A:LEU:HD13	19	0.6
(1,3264)	1:81:B:SER:H	1:82:B:ILE:HD13	16	0.6
(1,3263)	1:81:A:SER:H	1:82:A:ILE:HD13	16	0.6
(1,3190)	1:39:B:THR:H	1:29:B:LEU:HD12	14	0.6
(1,3189)	1:39:A:THR:H	1:29:A:LEU:HD12	14	0.6
(1,3060)	1:97:B:GLN:HE21	1:96:B:LYS:HB2	14	0.6
(1,2924)	1:66:B:ARG:H	1:66:B:ARG:HB3	1	0.6
(1,2924)	1:66:B:ARG:H	1:66:B:ARG:HB3	5	0.6
(1,2923)	1:66:A:ARG:H	1:66:A:ARG:HB3	5	0.6
(1,2746)	1:34:B:LEU:H	1:33:B:GLU:HG2	11	0.6
(1,2745)	1:34:A:LEU:H	1:33:A:GLU:HG2	11	0.6
(1,2650)	1:10:B:ASP:H	1:82:A:ILE:HD12	5	0.6
(1,2649)	1:10:A:ASP:H	1:82:B:ILE:HD11	15	0.6
(1,2518)	1:58:B:LEU:H	1:62:B:LEU:HD11	7	0.6
(1,2518)	1:58:B:LEU:H	1:62:B:LEU:HD12	18	0.6
(1,2518)	1:58:B:LEU:H	1:62:B:LEU:HD11	19	0.6
(1,2517)	1:58:A:LEU:H	1:62:A:LEU:HD11	7	0.6
(1,2517)	1:58:A:LEU:H	1:62:A:LEU:HD11	19	0.6
(1,2394)	1:18:B:LYS:H	1:37:B:LEU:HD13	6	0.6
(1,2372)	1:11:B:VAL:H	1:8:B:ALA:HB2	4	0.6
(1,2372)	1:11:B:VAL:H	1:8:B:ALA:HB1	20	0.6
(1,2371)	1:11:A:VAL:H	1:8:A:ALA:HB2	4	0.6
(1,2371)	1:11:A:VAL:H	1:8:A:ALA:HB1	20	0.6
(1,2356)	1:54:B:ALA:H	1:46:B:LEU:HD13	5	0.6
(1,2356)	1:54:B:ALA:H	1:46:B:LEU:HD12	19	0.6
(1,2355)	1:54:A:ALA:H	1:46:A:LEU:HD13	5	0.6
(1,2316)	1:78:B:PHE:H	1:84:A:MET:HG2	15	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2316)	1:78:B:PHE:H	1:84:A:MET:HG2	20	0.6
(1,2134)	1:25:B:ASP:H	1:28:B:LYS:HG2	7	0.6
(1,2133)	1:25:A:ASP:H	1:28:A:LYS:HG2	7	0.6
(1,2012)	1:94:B:PRO:HA	1:95:B:ASP:HB3	16	0.6
(1,2011)	1:94:A:PRO:HA	1:95:A:ASP:HB3	16	0.6
(1,2004)	1:98:B:PRO:HA	1:101:B:LYS:HG2	1	0.6
(1,2003)	1:98:A:PRO:HA	1:101:A:LYS:HG2	1	0.6
(1,1992)	1:60:B:SER:HB2	1:66:B:ARG:HD3	5	0.6
(1,1992)	1:60:B:SER:HB2	1:66:B:ARG:HD3	11	0.6
(1,1991)	1:60:A:SER:HB2	1:66:A:ARG:HD3	5	0.6
(1,1922)	1:86:B:SER:HA	1:13:A:VAL:HG22	18	0.6
(1,1762)	1:61:B:ASN:HB3	1:58:B:LEU:HA	16	0.6
(1,1762)	1:61:B:ASN:HB3	1:58:B:LEU:HA	17	0.6
(1,1761)	1:61:A:ASN:HB3	1:58:A:LEU:HA	17	0.6
(1,1654)	1:83:B:ALA:HA	1:82:B:ILE:HD12	14	0.6
(1,1653)	1:83:A:ALA:HA	1:82:A:ILE:HD12	14	0.6
(1,1408)	1:39:B:THR:HG21	1:40:B:ARG:HD2	9	0.6
(1,1407)	1:39:A:THR:HG21	1:40:A:ARG:HD2	9	0.6
(1,1345)	1:96:A:LYS:HE3	1:73:B:GLN:HG3	13	0.6
(1,1312)	1:34:B:LEU:HB3	1:62:B:LEU:HD13	9	0.6
(1,1312)	1:34:B:LEU:HB3	1:62:B:LEU:HD11	18	0.6
(1,1311)	1:34:A:LEU:HB3	1:62:A:LEU:HD13	9	0.6
(1,1311)	1:34:A:LEU:HB3	1:62:A:LEU:HD11	18	0.6
(1,1251)	1:63:A:ASP:HB2	1:60:A:SER:HA	18	0.6
(1,1212)	1:28:B:LYS:HB3	1:70:B:VAL:HG13	8	0.6
(1,1211)	1:28:A:LYS:HB3	1:70:A:VAL:HG13	8	0.6
(1,1076)	1:31:B:LYS:HD3	1:52:B:GLU:HG2	20	0.6
(1,906)	1:31:B:LYS:HB3	1:35:B:LYS:HE3	13	0.6
(1,905)	1:31:A:LYS:HB3	1:35:A:LYS:HE3	13	0.6
(1,780)	1:28:B:LYS:HD2	1:25:B:ASP:HB2	6	0.6
(1,779)	1:28:A:LYS:HD2	1:25:A:ASP:HB2	6	0.6
(1,756)	1:31:B:LYS:HD3	1:56:B:GLN:HE21	7	0.6
(1,755)	1:31:A:LYS:HD3	1:56:A:GLN:HE21	7	0.6
(1,755)	1:31:A:LYS:HD3	1:56:A:GLN:HE21	17	0.6
(1,742)	1:36:B:GLU:HB2	1:39:B:THR:HG23	6	0.6
(1,742)	1:36:B:GLU:HB2	1:39:B:THR:HG22	12	0.6
(1,741)	1:36:A:GLU:HB2	1:39:A:THR:HG23	6	0.6
(1,741)	1:36:A:GLU:HB2	1:39:A:THR:HG22	12	0.6
(1,622)	1:29:B:LEU:HD23	1:70:B:VAL:HG13	8	0.6
(1,621)	1:29:A:LEU:HD23	1:70:A:VAL:HG13	8	0.6
(1,614)	1:29:B:LEU:HD21	1:22:B:LYS:HD3	5	0.6
(1,613)	1:29:A:LEU:HD21	1:22:A:LYS:HD3	5	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,613)	1:29:A:LEU:HD23	1:22:A:LYS:HD3	18	0.6
(1,600)	1:37:B:LEU:HD11	1:34:B:LEU:HA	2	0.6
(1,599)	1:37:A:LEU:HD11	1:34:A:LEU:HA	2	0.6
(1,584)	1:29:B:LEU:HD22	1:33:B:GLU:H	11	0.6
(1,584)	1:29:B:LEU:HD22	1:33:B:GLU:H	17	0.6
(1,583)	1:29:A:LEU:HD21	1:33:A:GLU:H	14	0.6
(1,583)	1:29:A:LEU:HD22	1:33:A:GLU:H	17	0.6
(1,412)	1:39:B:THR:HG23	1:46:B:LEU:HD22	12	0.6
(1,232)	1:13:B:VAL:HG21	1:84:A:MET:HA	18	0.6
(1,176)	1:70:B:VAL:HG13	1:71:B:ASP:HB3	7	0.6
(1,175)	1:70:A:VAL:HG13	1:71:A:ASP:HB3	7	0.6
(1,18)	1:39:B:THR:HB	1:40:B:ARG:HG2	13	0.6
(1,17)	1:39:A:THR:HB	1:40:A:ARG:HG2	13	0.6
(2,288)	1:50:B:THR:H	1:48:B:LYS:HB2	10	0.59
(2,287)	1:50:A:THR:H	1:48:A:LYS:HB2	10	0.59
(2,285)	1:65:A:ASN:HD21	1:68:A:ASN:HD21	12	0.59
(2,276)	1:20:B:SER:H	1:29:B:LEU:HB2	1	0.59
(2,275)	1:20:A:SER:H	1:29:A:LEU:HB2	1	0.59
(2,275)	1:20:A:SER:H	1:29:A:LEU:HB2	5	0.59
(2,275)	1:20:A:SER:H	1:29:A:LEU:HB2	9	0.59
(2,170)	1:70:B:VAL:H	1:30:B:ASN:HB2	15	0.59
(2,63)	1:25:A:ASP:HB2	1:28:A:LYS:HD3	2	0.59
(2,43)	1:98:A:PRO:HB3	1:97:A:GLN:HB2	6	0.59
(2,12)	1:7:B:LYS:HG3	1:5:B:LEU:H	7	0.59
(2,11)	1:7:A:LYS:HG3	1:5:A:LEU:H	7	0.59
(1,4570)	1:30:B:ASN:HD22	1:34:B:LEU:HD13	18	0.59
(1,4570)	1:30:B:ASN:HD22	1:34:B:LEU:HD11	19	0.59
(1,4569)	1:30:A:ASN:HD22	1:34:A:LEU:HD13	18	0.59
(1,4569)	1:30:A:ASN:HD22	1:34:A:LEU:HD11	19	0.59
(1,4564)	1:73:B:GLN:HE22	1:96:A:LYS:HD3	5	0.59
(1,4559)	1:73:A:GLN:HE21	1:78:A:PHE:HB2	11	0.59
(1,4542)	1:97:B:GLN:HE22	1:96:B:LYS:HE2	5	0.59
(1,4541)	1:97:A:GLN:HE22	1:96:A:LYS:HE2	5	0.59
(1,4464)	1:31:B:LYS:H	1:34:B:LEU:HD22	9	0.59
(1,4458)	1:68:B:ASN:H	1:66:B:ARG:HB2	17	0.59
(1,4457)	1:68:A:ASN:H	1:66:A:ARG:HB2	17	0.59
(1,4454)	1:69:B:GLU:H	1:31:B:LYS:HG2	7	0.59
(1,4453)	1:69:A:GLU:H	1:31:A:LYS:HG2	7	0.59
(1,4390)	1:76:B:SER:H	1:79:B:LEU:HD12	3	0.59
(1,4389)	1:76:A:SER:H	1:79:A:LEU:HD12	3	0.59
(1,4387)	1:76:A:SER:H	1:13:A:VAL:HG12	5	0.59
(1,4362)	1:9:B:LEU:H	1:11:B:VAL:HB	20	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4361)	1:9:A:LEU:H	1:11:A:VAL:HB	20	0.59
(1,4356)	1:79:B:LEU:H	1:82:B:ILE:HG13	15	0.59
(1,4350)	1:16:B:PHE:H	1:79:B:LEU:HD13	13	0.59
(1,4349)	1:16:A:PHE:H	1:79:A:LEU:HD13	13	0.59
(1,4346)	1:16:B:PHE:H	1:2:A:ALA:HB2	18	0.59
(1,4316)	1:74:B:GLU:H	1:70:B:VAL:HG23	4	0.59
(1,4284)	1:3:B:SER:H	1:37:A:LEU:HD21	17	0.59
(1,4254)	1:77:B:VAL:H	1:62:B:LEU:HB3	15	0.59
(1,4253)	1:77:A:VAL:H	1:62:A:LEU:HB3	15	0.59
(1,4202)	1:39:B:THR:HB	1:36:B:GLU:HG2	8	0.59
(1,4198)	1:50:B:THR:HB	1:54:B:ALA:H	19	0.59
(1,4197)	1:50:A:THR:HB	1:54:A:ALA:H	19	0.59
(1,4157)	1:32:A:SER:HB3	1:23:A:GLU:HG2	12	0.59
(1,4150)	1:76:B:SER:HB3	1:82:A:ILE:HB	9	0.59
(1,4132)	1:20:B:SER:HB2	1:22:B:LYS:HG3	7	0.59
(1,4131)	1:20:A:SER:HB2	1:22:A:LYS:HG3	7	0.59
(1,4117)	1:44:A:SER:HA	1:46:A:LEU:HA	2	0.59
(1,4064)	1:37:B:LEU:HD13	1:17:B:HIS:HA	20	0.59
(1,4063)	1:37:A:LEU:HD13	1:17:A:HIS:HA	20	0.59
(1,4062)	1:10:B:ASP:HA	1:82:A:ILE:HB	6	0.59
(1,4061)	1:10:A:ASP:HA	1:82:B:ILE:HB	6	0.59
(1,4007)	1:69:A:GLU:HG2	1:28:A:LYS:HA	8	0.59
(1,4004)	1:61:B:ASN:HA	1:64:B:SER:H	2	0.59
(1,4004)	1:61:B:ASN:HA	1:64:B:SER:H	4	0.59
(1,4003)	1:61:A:ASN:HA	1:64:A:SER:H	4	0.59
(1,3978)	1:29:B:LEU:HA	1:31:B:LYS:HA	17	0.59
(1,3977)	1:29:A:LEU:HA	1:31:A:LYS:HA	17	0.59
(1,3936)	1:61:B:ASN:HB3	1:62:B:LEU:HB3	11	0.59
(1,3926)	1:46:B:LEU:HD21	1:49:B:ARG:HD3	17	0.59
(1,3925)	1:46:A:LEU:HD21	1:49:A:ARG:HD3	17	0.59
(1,3772)	1:85:B:MET:HG2	1:89:B:PHE:HB3	8	0.59
(1,3771)	1:85:A:MET:HG2	1:89:A:PHE:HB3	8	0.59
(1,3766)	1:87:B:ASN:HB3	1:89:B:PHE:HB3	2	0.59
(1,3765)	1:87:A:ASN:HB3	1:89:A:PHE:HB3	2	0.59
(1,3714)	1:69:B:GLU:HB2	1:70:B:VAL:HG21	8	0.59
(1,3714)	1:69:B:GLU:HB2	1:70:B:VAL:HG21	13	0.59
(1,3713)	1:69:A:GLU:HB2	1:70:A:VAL:HG21	8	0.59
(1,3696)	1:56:B:GLN:HG2	1:55:B:PHE:HB3	2	0.59
(1,3695)	1:56:A:GLN:HG2	1:55:A:PHE:HB3	2	0.59
(1,3619)	1:17:A:HIS:HB2	1:13:A:VAL:HG13	12	0.59
(1,3604)	1:31:B:LYS:HD2	1:35:B:LYS:H	8	0.59
(1,3604)	1:31:B:LYS:HD3	1:35:B:LYS:H	14	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3604)	1:31:B:LYS:HD2	1:35:B:LYS:H	15	0.59
(1,3603)	1:31:A:LYS:HD2	1:35:A:LYS:H	8	0.59
(1,3603)	1:31:A:LYS:HD3	1:35:A:LYS:H	14	0.59
(1,3603)	1:31:A:LYS:HD2	1:35:A:LYS:H	15	0.59
(1,3598)	1:7:B:LYS:HD3	1:9:B:LEU:HD12	9	0.59
(1,3597)	1:7:A:LYS:HD3	1:9:A:LEU:HD12	9	0.59
(1,3594)	1:57:B:LYS:HG3	1:57:B:LYS:HD2	5	0.59
(1,3594)	1:48:B:LYS:HG2	1:48:B:LYS:HD3	9	0.59
(1,3593)	1:48:A:LYS:HG2	1:48:A:LYS:HD3	9	0.59
(1,3562)	1:56:B:GLN:HB3	1:53:B:ALA:HB2	4	0.59
(1,3561)	1:56:A:GLN:HB3	1:53:A:ALA:HB2	4	0.59
(1,3512)	1:42:B:LEU:HD23	1:6:A:GLU:HA	10	0.59
(1,3511)	1:42:A:LEU:HD21	1:6:B:GLU:HA	13	0.59
(1,3392)	1:68:B:ASN:HD21	1:70:B:VAL:HG21	2	0.59
(1,3391)	1:68:A:ASN:HD21	1:70:A:VAL:HG21	2	0.59
(1,3311)	1:82:A:ILE:HD11	1:10:B:ASP:HB2	19	0.59
(1,3238)	1:99:B:ARG:H	1:99:B:ARG:HB2	16	0.59
(1,3237)	1:99:A:ARG:H	1:99:A:ARG:HB2	16	0.59
(1,3190)	1:39:B:THR:H	1:29:B:LEU:HD13	11	0.59
(1,3189)	1:39:A:THR:H	1:29:A:LEU:HD13	11	0.59
(1,2628)	1:55:B:PHE:H	1:55:B:PHE:HB2	13	0.59
(1,2627)	1:55:A:PHE:H	1:55:A:PHE:HB2	13	0.59
(1,2517)	1:58:A:LEU:H	1:62:A:LEU:HD12	18	0.59
(1,2394)	1:18:B:LYS:H	1:37:B:LEU:HD12	17	0.59
(1,2356)	1:54:B:ALA:H	1:46:B:LEU:HD12	15	0.59
(1,2355)	1:54:A:ALA:H	1:46:A:LEU:HD12	15	0.59
(1,2355)	1:54:A:ALA:H	1:46:A:LEU:HD12	19	0.59
(1,2315)	1:78:A:PHE:H	1:84:B:MET:HG2	4	0.59
(1,2315)	1:78:A:PHE:H	1:84:B:MET:HG2	20	0.59
(1,2214)	1:30:B:ASN:H	1:34:B:LEU:HD12	14	0.59
(1,2213)	1:30:A:ASN:H	1:34:A:LEU:HD12	14	0.59
(1,2074)	1:15:B:THR:HA	1:5:A:LEU:HD22	8	0.59
(1,2073)	1:15:A:THR:HA	1:5:B:LEU:HD22	8	0.59
(1,2039)	1:43:A:PRO:HA	1:46:A:LEU:HD11	13	0.59
(1,2035)	1:43:A:PRO:HA	1:7:B:LYS:HD3	13	0.59
(1,1991)	1:60:A:SER:HB2	1:66:A:ARG:HD3	11	0.59
(1,1922)	1:86:B:SER:HA	1:13:A:VAL:HG21	7	0.59
(1,1921)	1:86:A:SER:HA	1:13:B:VAL:HG21	7	0.59
(1,1921)	1:86:A:SER:HA	1:13:B:VAL:HG23	12	0.59
(1,1902)	1:20:B:SER:HB3	1:30:B:ASN:HD21	7	0.59
(1,1901)	1:20:A:SER:HB3	1:30:A:ASN:HD21	7	0.59
(1,1762)	1:61:B:ASN:HB3	1:58:B:LEU:HA	1	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1762)	1:61:B:ASN:HB3	1:58:B:LEU:HA	4	0.59
(1,1761)	1:61:A:ASN:HB3	1:58:A:LEU:HA	1	0.59
(1,1761)	1:61:A:ASN:HB3	1:58:A:LEU:HA	4	0.59
(1,1761)	1:61:A:ASN:HB3	1:58:A:LEU:HA	16	0.59
(1,1504)	1:92:B:GLY:HA2	1:90:B:PHE:HB3	3	0.59
(1,1503)	1:92:A:GLY:HA2	1:90:A:PHE:HB3	3	0.59
(1,1408)	1:39:B:THR:HG23	1:40:B:ARG:HD2	6	0.59
(1,1408)	1:39:B:THR:HG22	1:40:B:ARG:HD2	17	0.59
(1,1407)	1:39:A:THR:HG23	1:40:A:ARG:HD2	6	0.59
(1,1407)	1:39:A:THR:HG22	1:40:A:ARG:HD2	17	0.59
(1,1346)	1:96:B:LYS:HE3	1:73:A:GLN:HG3	13	0.59
(1,1320)	1:92:B:GLY:H	1:96:B:LYS:HE3	17	0.59
(1,1319)	1:92:A:GLY:H	1:96:A:LYS:HE3	17	0.59
(1,1312)	1:34:B:LEU:HB3	1:62:B:LEU:HD13	8	0.59
(1,1312)	1:34:B:LEU:HB3	1:62:B:LEU:HD13	10	0.59
(1,1311)	1:34:A:LEU:HB3	1:62:A:LEU:HD13	8	0.59
(1,1311)	1:34:A:LEU:HB3	1:62:A:LEU:HD13	10	0.59
(1,1252)	1:63:B:ASP:HB2	1:60:B:SER:HA	17	0.59
(1,1252)	1:63:B:ASP:HB2	1:60:B:SER:HA	18	0.59
(1,1251)	1:63:A:ASP:HB2	1:60:A:SER:HA	17	0.59
(1,1076)	1:31:B:LYS:HD3	1:52:B:GLU:HG2	11	0.59
(1,1075)	1:31:A:LYS:HD3	1:52:A:GLU:HG2	11	0.59
(1,1075)	1:31:A:LYS:HD3	1:52:A:GLU:HG2	20	0.59
(1,1062)	1:88:B:GLU:HG2	1:85:B:MET:HA	18	0.59
(1,1061)	1:88:A:GLU:HG2	1:85:A:MET:HA	18	0.59
(1,952)	1:79:B:LEU:HD13	1:12:B:MET:HB2	15	0.59
(1,952)	1:79:B:LEU:HD12	1:12:B:MET:HB3	17	0.59
(1,951)	1:79:A:LEU:HD13	1:12:A:MET:HB2	15	0.59
(1,951)	1:79:A:LEU:HD12	1:12:A:MET:HB3	17	0.59
(1,732)	1:52:B:GLU:HB3	1:31:B:LYS:HE2	19	0.59
(1,731)	1:52:A:GLU:HB3	1:31:A:LYS:HE2	19	0.59
(1,728)	1:26:B:LYS:HD3	1:22:B:LYS:HA	1	0.59
(1,727)	1:26:A:LYS:HD3	1:22:A:LYS:HA	1	0.59
(1,686)	1:100:B:LYS:HD3	1:101:B:LYS:HA	12	0.59
(1,685)	1:100:A:LYS:HD3	1:101:A:LYS:HA	12	0.59
(1,614)	1:29:B:LEU:HD23	1:22:B:LYS:HD3	2	0.59
(1,614)	1:29:B:LEU:HD21	1:22:B:LYS:HD3	8	0.59
(1,614)	1:29:B:LEU:HD21	1:22:B:LYS:HD3	15	0.59
(1,613)	1:29:A:LEU:HD23	1:22:A:LYS:HD3	2	0.59
(1,613)	1:29:A:LEU:HD21	1:22:A:LYS:HD3	15	0.59
(1,600)	1:37:B:LEU:HD22	1:34:B:LEU:HA	13	0.59
(1,584)	1:29:B:LEU:HD22	1:33:B:GLU:H	9	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,584)	1:29:B:LEU:HD21	1:33:B:GLU:H	14	0.59
(1,583)	1:29:A:LEU:HD22	1:33:A:GLU:H	9	0.59
(1,583)	1:29:A:LEU:HD22	1:33:A:GLU:H	11	0.59
(1,411)	1:39:A:THR:HG23	1:46:A:LEU:HD22	12	0.59
(1,231)	1:13:A:VAL:HG21	1:84:B:MET:HA	18	0.59
(1,176)	1:70:B:VAL:HG12	1:71:B:ASP:HB3	17	0.59
(1,175)	1:70:A:VAL:HG12	1:71:A:ASP:HB3	17	0.59
(1,124)	1:2:B:ALA:HB3	1:5:B:LEU:HD11	16	0.59
(1,123)	1:2:A:ALA:HB3	1:5:A:LEU:HD11	16	0.59
(1,89)	1:54:A:ALA:HB3	1:52:A:GLU:HB2	12	0.59
(1,89)	1:54:A:ALA:HB2	1:52:A:GLU:HB2	18	0.59
(2,286)	1:65:B:ASN:HD21	1:68:B:ASN:HD21	12	0.58
(2,276)	1:20:B:SER:H	1:29:B:LEU:HB2	5	0.58
(2,64)	1:25:B:ASP:HB2	1:28:B:LYS:HD3	2	0.58
(2,44)	1:98:B:PRO:HB3	1:97:B:GLN:HB2	6	0.58
(2,42)	1:35:B:LYS:HB2	1:34:B:LEU:HB3	17	0.58
(1,4560)	1:73:B:GLN:HE21	1:65:B:ASN:HB3	13	0.58
(1,4525)	1:68:A:ASN:HD21	1:56:A:GLN:HA	19	0.58
(1,4489)	1:17:A:HIS:H	1:13:A:VAL:HG22	3	0.58
(1,4458)	1:68:B:ASN:H	1:66:B:ARG:HB2	11	0.58
(1,4457)	1:68:A:ASN:H	1:66:A:ARG:HB2	11	0.58
(1,4428)	1:34:B:LEU:H	1:22:B:LYS:HE3	3	0.58
(1,4427)	1:34:A:LEU:H	1:22:A:LYS:HE3	3	0.58
(1,4422)	1:35:B:LYS:H	1:59:B:MET:HB2	2	0.58
(1,4422)	1:46:B:LEU:H	1:7:A:LYS:HD2	20	0.58
(1,4421)	1:35:A:LYS:H	1:59:A:MET:HB2	2	0.58
(1,4421)	1:46:A:LEU:H	1:7:B:LYS:HD2	20	0.58
(1,4410)	1:61:B:ASN:H	1:58:B:LEU:HD11	1	0.58
(1,4410)	1:61:B:ASN:H	1:58:B:LEU:HD12	8	0.58
(1,4410)	1:61:B:ASN:H	1:58:B:LEU:HD12	15	0.58
(1,4409)	1:61:A:ASN:H	1:58:A:LEU:HD11	1	0.58
(1,4409)	1:61:A:ASN:H	1:58:A:LEU:HD12	8	0.58
(1,4409)	1:61:A:ASN:H	1:58:A:LEU:HD13	12	0.58
(1,4388)	1:76:B:SER:H	1:13:B:VAL:HG12	5	0.58
(1,4356)	1:79:B:LEU:H	1:82:B:ILE:HG13	11	0.58
(1,4355)	1:79:A:LEU:H	1:82:A:ILE:HG13	11	0.58
(1,4355)	1:79:A:LEU:H	1:82:A:ILE:HG13	15	0.58
(1,4346)	1:16:B:PHE:H	1:2:A:ALA:HB1	1	0.58
(1,4345)	1:16:A:PHE:H	1:2:B:ALA:HB1	1	0.58
(1,4315)	1:74:A:GLU:H	1:70:A:VAL:HG23	4	0.58
(1,4288)	1:45:B:PHE:H	1:82:B:ILE:HG21	8	0.58
(1,4287)	1:45:A:PHE:H	1:82:A:ILE:HG21	8	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4258)	1:30:B:ASN:H	1:28:B:LYS:HD2	18	0.58
(1,4257)	1:30:A:ASN:H	1:28:A:LYS:HD2	18	0.58
(1,4201)	1:39:A:THR:HB	1:36:A:GLU:HG2	8	0.58
(1,4168)	1:76:B:SER:HB3	1:79:B:LEU:HB3	9	0.58
(1,4167)	1:76:A:SER:HB3	1:79:A:LEU:HB3	9	0.58
(1,4166)	1:76:B:SER:HA	1:79:B:LEU:HB3	11	0.58
(1,4165)	1:76:A:SER:HA	1:79:A:LEU:HB3	11	0.58
(1,4158)	1:32:B:SER:HB3	1:23:B:GLU:HG2	12	0.58
(1,4158)	1:32:B:SER:HB2	1:23:B:GLU:HG3	16	0.58
(1,4118)	1:44:B:SER:HA	1:46:B:LEU:HA	2	0.58
(1,4118)	1:64:B:SER:HA	1:60:B:SER:HB2	10	0.58
(1,4117)	1:64:A:SER:HA	1:60:A:SER:HB2	10	0.58
(1,4084)	1:61:B:ASN:HA	1:57:B:LYS:HA	12	0.58
(1,4084)	1:61:B:ASN:HA	1:57:B:LYS:HA	19	0.58
(1,4083)	1:61:A:ASN:HA	1:57:A:LYS:HA	12	0.58
(1,4083)	1:61:A:ASN:HA	1:57:A:LYS:HA	19	0.58
(1,4030)	1:49:B:ARG:HA	1:46:B:LEU:HD21	4	0.58
(1,4029)	1:49:A:ARG:HA	1:46:A:LEU:HD21	4	0.58
(1,4016)	1:41:B:GLU:HA	1:37:B:LEU:HD22	11	0.58
(1,4015)	1:41:A:GLU:HA	1:37:A:LEU:HD22	11	0.58
(1,3978)	1:29:B:LEU:HA	1:31:B:LYS:HA	13	0.58
(1,3977)	1:29:A:LEU:HA	1:31:A:LYS:HA	13	0.58
(1,3948)	1:21:B:GLY:HA3	1:22:B:LYS:HB3	5	0.58
(1,3947)	1:21:A:GLY:HA3	1:22:A:LYS:HB3	5	0.58
(1,3936)	1:61:B:ASN:HB3	1:62:B:LEU:HB3	12	0.58
(1,3935)	1:61:A:ASN:HB3	1:62:A:LEU:HB3	12	0.58
(1,3920)	1:40:B:ARG:HD2	1:19:B:TYR:HB3	6	0.58
(1,3919)	1:40:A:ARG:HD2	1:19:A:TYR:HB3	6	0.58
(1,3816)	1:79:B:LEU:HB3	1:80:B:SER:HB3	3	0.58
(1,3815)	1:79:A:LEU:HB3	1:80:A:SER:HB3	3	0.58
(1,3815)	1:79:A:LEU:HB3	1:80:A:SER:HB2	16	0.58
(1,3804)	1:16:B:PHE:HB2	1:79:B:LEU:HG	7	0.58
(1,3803)	1:16:A:PHE:HB2	1:79:A:LEU:HG	7	0.58
(1,3792)	1:61:B:ASN:HB3	1:81:B:SER:HB2	3	0.58
(1,3792)	1:61:B:ASN:HB3	1:81:B:SER:HB3	9	0.58
(1,3791)	1:61:A:ASN:HB3	1:81:A:SER:HB2	3	0.58
(1,3791)	1:61:A:ASN:HB3	1:81:A:SER:HB3	9	0.58
(1,3714)	1:69:B:GLU:HB2	1:70:B:VAL:HG21	2	0.58
(1,3714)	1:69:B:GLU:HB2	1:70:B:VAL:HG21	5	0.58
(1,3713)	1:69:A:GLU:HB2	1:70:A:VAL:HG21	5	0.58
(1,3634)	1:43:B:PRO:HB3	1:7:A:LYS:HG3	15	0.58
(1,3620)	1:17:B:HIS:HB2	1:13:B:VAL:HG13	12	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3594)	1:57:B:LYS:HG3	1:57:B:LYS:HD2	17	0.58
(1,3593)	1:57:A:LYS:HG3	1:57:A:LYS:HD2	17	0.58
(1,3584)	1:7:B:LYS:HD3	1:7:B:LYS:HB3	9	0.58
(1,3583)	1:7:A:LYS:HD3	1:7:A:LYS:HB3	9	0.58
(1,3576)	1:88:B:GLU:HB2	1:90:B:PHE:HB3	11	0.58
(1,3575)	1:88:A:GLU:HB2	1:90:A:PHE:HB3	11	0.58
(1,3540)	1:29:B:LEU:HD23	1:22:B:LYS:H	2	0.58
(1,3540)	1:29:B:LEU:HD21	1:22:B:LYS:H	10	0.58
(1,3539)	1:29:A:LEU:HD23	1:22:A:LYS:H	2	0.58
(1,3539)	1:29:A:LEU:HD21	1:22:A:LYS:H	10	0.58
(1,3538)	1:5:B:LEU:HG	1:79:A:LEU:HD11	3	0.58
(1,3502)	1:34:B:LEU:HD22	1:58:B:LEU:HB3	17	0.58
(1,3462)	1:29:B:LEU:HD11	1:69:B:GLU:HA	11	0.58
(1,3461)	1:29:A:LEU:HD11	1:69:A:GLU:HA	11	0.58
(1,3438)	1:39:B:THR:H	1:46:B:LEU:HD13	9	0.58
(1,3437)	1:39:A:THR:H	1:46:A:LEU:HD13	9	0.58
(1,3312)	1:82:B:ILE:HD11	1:10:A:ASP:HB2	19	0.58
(1,3074)	1:60:B:SER:H	1:62:B:LEU:HD13	8	0.58
(1,3073)	1:60:A:SER:H	1:62:A:LEU:HD13	8	0.58
(1,2924)	1:66:B:ARG:H	1:66:B:ARG:HB3	9	0.58
(1,2912)	1:44:B:SER:H	1:42:B:LEU:HD22	3	0.58
(1,2911)	1:44:A:SER:H	1:42:A:LEU:HD22	3	0.58
(1,2650)	1:10:B:ASP:H	1:82:A:ILE:HD11	15	0.58
(1,2628)	1:55:B:PHE:H	1:55:B:PHE:HB2	19	0.58
(1,2627)	1:55:A:PHE:H	1:55:A:PHE:HB2	19	0.58
(1,2622)	1:55:B:PHE:H	1:50:B:THR:HG21	5	0.58
(1,2622)	1:55:B:PHE:H	1:50:B:THR:HG21	7	0.58
(1,2621)	1:55:A:PHE:H	1:50:A:THR:HG21	5	0.58
(1,2621)	1:55:A:PHE:H	1:50:A:THR:HG21	7	0.58
(1,2518)	1:58:B:LEU:H	1:62:B:LEU:HD13	1	0.58
(1,2517)	1:58:A:LEU:H	1:62:A:LEU:HD13	1	0.58
(1,2393)	1:18:A:LYS:H	1:37:A:LEU:HD12	17	0.58
(1,2315)	1:78:A:PHE:H	1:84:B:MET:HG2	9	0.58
(1,2091)	1:26:A:LYS:H	1:21:A:GLY:HA3	4	0.58
(1,2040)	1:43:B:PRO:HA	1:46:B:LEU:HD12	2	0.58
(1,2040)	1:43:B:PRO:HA	1:46:B:LEU:HD11	13	0.58
(1,2036)	1:43:B:PRO:HA	1:7:A:LYS:HD3	13	0.58
(1,1922)	1:86:B:SER:HA	1:13:A:VAL:HG23	12	0.58
(1,1921)	1:86:A:SER:HA	1:13:B:VAL:HG22	19	0.58
(1,1648)	1:49:B:ARG:HD2	1:49:B:ARG:HA	12	0.58
(1,1647)	1:49:A:ARG:HD2	1:49:A:ARG:HA	12	0.58
(1,1562)	1:30:B:ASN:HA	1:31:B:LYS:HG2	8	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1504)	1:92:B:GLY:HA2	1:90:B:PHE:HB3	16	0.58
(1,1503)	1:92:A:GLY:HA2	1:90:A:PHE:HB3	16	0.58
(1,1443)	1:49:A:ARG:HD2	1:46:A:LEU:HD13	5	0.58
(1,1408)	1:39:B:THR:HG21	1:40:B:ARG:HD2	13	0.58
(1,1407)	1:39:A:THR:HG21	1:40:A:ARG:HD2	13	0.58
(1,1362)	1:28:B:LYS:HG3	1:71:B:ASP:HB3	13	0.58
(1,1361)	1:28:A:LYS:HG3	1:71:A:ASP:HB3	13	0.58
(1,1314)	1:58:B:LEU:HB3	1:62:B:LEU:HD11	8	0.58
(1,1313)	1:58:A:LEU:HB3	1:62:A:LEU:HD11	8	0.58
(1,1312)	1:34:B:LEU:HB3	1:62:B:LEU:HD12	2	0.58
(1,1312)	1:34:B:LEU:HB3	1:62:B:LEU:HD13	20	0.58
(1,1311)	1:34:A:LEU:HB3	1:62:A:LEU:HD12	2	0.58
(1,1311)	1:34:A:LEU:HB3	1:62:A:LEU:HD13	20	0.58
(1,1252)	1:63:B:ASP:HB2	1:60:B:SER:HA	20	0.58
(1,1251)	1:63:A:ASP:HB2	1:60:A:SER:HA	20	0.58
(1,1212)	1:28:B:LYS:HB3	1:70:B:VAL:HG11	16	0.58
(1,1211)	1:28:A:LYS:HB3	1:70:A:VAL:HG11	16	0.58
(1,1204)	1:87:B:ASN:HB3	1:73:A:GLN:HG3	18	0.58
(1,1154)	1:30:B:ASN:HB3	1:31:B:LYS:HA	9	0.58
(1,1076)	1:31:B:LYS:HD3	1:52:B:GLU:HG2	5	0.58
(1,1076)	1:31:B:LYS:HD3	1:52:B:GLU:HG2	13	0.58
(1,1075)	1:31:A:LYS:HD3	1:52:A:GLU:HG2	13	0.58
(1,970)	1:97:B:GLN:HG2	1:95:B:ASP:HB3	3	0.58
(1,918)	1:85:B:MET:HG3	1:84:B:MET:HG3	11	0.58
(1,918)	1:85:B:MET:HG3	1:84:B:MET:HG3	17	0.58
(1,917)	1:85:A:MET:HG3	1:84:A:MET:HG3	11	0.58
(1,917)	1:85:A:MET:HG3	1:84:A:MET:HG3	17	0.58
(1,742)	1:36:B:GLU:HB2	1:39:B:THR:HG22	9	0.58
(1,741)	1:36:A:GLU:HB2	1:39:A:THR:HG22	9	0.58
(1,685)	1:100:A:LYS:HD2	1:101:A:LYS:HA	6	0.58
(1,622)	1:29:B:LEU:HD22	1:70:B:VAL:HG11	12	0.58
(1,621)	1:29:A:LEU:HD22	1:70:A:VAL:HG11	12	0.58
(1,613)	1:29:A:LEU:HD21	1:22:A:LYS:HD3	8	0.58
(1,600)	1:37:B:LEU:HD12	1:34:B:LEU:HA	11	0.58
(1,599)	1:37:A:LEU:HD22	1:34:A:LEU:HA	13	0.58
(1,584)	1:29:B:LEU:HD21	1:33:B:GLU:H	12	0.58
(1,583)	1:29:A:LEU:HD21	1:33:A:GLU:H	12	0.58
(1,573)	1:9:A:LEU:HG	1:83:B:ALA:HB3	19	0.58
(1,520)	1:42:B:LEU:HG	1:82:B:ILE:HD12	9	0.58
(1,519)	1:42:A:LEU:HG	1:82:A:ILE:HD12	9	0.58
(1,508)	1:34:B:LEU:HD22	1:59:B:MET:HG2	9	0.58
(1,507)	1:34:A:LEU:HD22	1:59:A:MET:HG2	9	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,412)	1:39:B:THR:HG22	1:46:B:LEU:HD23	15	0.58
(1,412)	1:39:B:THR:HG23	1:46:B:LEU:HD22	16	0.58
(1,411)	1:39:A:THR:HG23	1:46:A:LEU:HD22	16	0.58
(1,231)	1:13:A:VAL:HG21	1:84:B:MET:HA	2	0.58
(1,218)	1:77:B:VAL:HG22	1:74:B:GLU:HG3	11	0.58
(1,217)	1:77:A:VAL:HG22	1:74:A:GLU:HG3	11	0.58
(1,176)	1:70:B:VAL:HG11	1:71:B:ASP:HB3	15	0.58
(1,176)	1:70:B:VAL:HG13	1:71:B:ASP:HB3	18	0.58
(1,175)	1:70:A:VAL:HG11	1:71:A:ASP:HB3	15	0.58
(1,175)	1:70:A:VAL:HG13	1:71:A:ASP:HB3	18	0.58
(1,90)	1:54:B:ALA:HB1	1:52:B:GLU:HB2	7	0.58
(1,90)	1:54:B:ALA:HB3	1:52:B:GLU:HB2	12	0.58
(1,90)	1:54:B:ALA:HB1	1:52:B:GLU:HB2	13	0.58
(1,90)	1:54:B:ALA:HB2	1:52:B:GLU:HB2	18	0.58
(1,89)	1:54:A:ALA:HB1	1:52:A:GLU:HB2	7	0.58
(1,89)	1:54:A:ALA:HB1	1:52:A:GLU:HB2	13	0.58
(1,11)	1:5:A:LEU:HD21	1:42:B:LEU:HG	19	0.58
(1,8)	1:79:B:LEU:HD11	1:9:A:LEU:HD22	19	0.58
(1,7)	1:79:A:LEU:HD11	1:9:B:LEU:HD22	19	0.58
(2,294)	1:21:B:GLY:H	1:26:B:LYS:HB3	19	0.57
(2,275)	1:20:A:SER:H	1:29:A:LEU:HB2	11	0.57
(2,196)	1:22:B:LYS:H	1:19:B:TYR:HB2	6	0.57
(2,195)	1:22:A:LYS:H	1:19:A:TYR:HB2	6	0.57
(2,170)	1:70:B:VAL:H	1:30:B:ASN:HB2	10	0.57
(2,169)	1:70:A:VAL:H	1:30:A:ASN:HB2	10	0.57
(2,41)	1:35:A:LYS:HB2	1:34:A:LEU:HB3	17	0.57
(1,4561)	1:73:A:GLN:HE22	1:77:A:VAL:HA	3	0.57
(1,4560)	1:73:B:GLN:HE21	1:78:B:PHE:HB2	2	0.57
(1,4560)	1:73:B:GLN:HE21	1:78:B:PHE:HB2	17	0.57
(1,4560)	1:73:B:GLN:HE21	1:78:B:PHE:HB2	18	0.57
(1,4559)	1:73:A:GLN:HE21	1:78:A:PHE:HB2	2	0.57
(1,4559)	1:73:A:GLN:HE21	1:65:A:ASN:HB3	13	0.57
(1,4559)	1:73:A:GLN:HE21	1:78:A:PHE:HB2	17	0.57
(1,4526)	1:68:B:ASN:HD21	1:56:B:GLN:HA	15	0.57
(1,4526)	1:68:B:ASN:HD21	1:56:B:GLN:HA	19	0.57
(1,4525)	1:68:A:ASN:HD21	1:56:A:GLN:HA	15	0.57
(1,4518)	1:20:B:SER:H	1:26:B:LYS:HD2	6	0.57
(1,4518)	1:20:B:SER:H	1:26:B:LYS:HD2	9	0.57
(1,4517)	1:20:A:SER:H	1:26:A:LYS:HD2	6	0.57
(1,4517)	1:20:A:SER:H	1:26:A:LYS:HD2	9	0.57
(1,4490)	1:17:B:HIS:H	1:13:B:VAL:HG22	3	0.57
(1,4488)	1:17:B:HIS:H	1:26:B:LYS:HD2	6	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4487)	1:17:A:HIS:H	1:26:A:LYS:HD2	6	0.57
(1,4452)	1:69:B:GLU:H	1:67:B:ASP:HB3	9	0.57
(1,4428)	1:34:B:LEU:H	1:22:B:LYS:HE2	4	0.57
(1,4427)	1:34:A:LEU:H	1:22:A:LYS:HE2	4	0.57
(1,4422)	1:35:B:LYS:H	1:59:B:MET:HB2	11	0.57
(1,4421)	1:35:A:LYS:H	1:59:A:MET:HB2	11	0.57
(1,4410)	1:61:B:ASN:H	1:58:B:LEU:HD13	12	0.57
(1,4409)	1:61:A:ASN:H	1:58:A:LEU:HD12	15	0.57
(1,4384)	1:76:B:SER:H	1:83:A:ALA:HB2	2	0.57
(1,4384)	1:76:B:SER:H	1:83:A:ALA:HB3	4	0.57
(1,4383)	1:76:A:SER:H	1:83:B:ALA:HB2	2	0.57
(1,4371)	1:95:A:ASP:H	1:94:A:PRO:HB3	12	0.57
(1,4362)	1:9:B:LEU:H	1:11:B:VAL:HB	1	0.57
(1,4361)	1:9:A:LEU:H	1:11:A:VAL:HB	1	0.57
(1,4359)	1:67:A:ASP:H	1:70:A:VAL:HG22	6	0.57
(1,4348)	1:16:B:PHE:H	1:37:B:LEU:HD11	18	0.57
(1,4347)	1:16:A:PHE:H	1:37:A:LEU:HD11	18	0.57
(1,4346)	1:16:B:PHE:H	1:2:A:ALA:HB3	5	0.57
(1,4345)	1:16:A:PHE:H	1:2:B:ALA:HB3	5	0.57
(1,4340)	1:13:B:VAL:H	1:79:B:LEU:HD11	20	0.57
(1,4339)	1:13:A:VAL:H	1:79:A:LEU:HD11	20	0.57
(1,4316)	1:74:B:GLU:H	1:70:B:VAL:HG21	20	0.57
(1,4315)	1:74:A:GLU:H	1:70:A:VAL:HG21	20	0.57
(1,4296)	1:64:B:SER:H	1:63:B:ASP:H	19	0.57
(1,4295)	1:64:A:SER:H	1:63:A:ASP:H	19	0.57
(1,4202)	1:39:B:THR:HB	1:36:B:GLU:HG2	12	0.57
(1,4201)	1:39:A:THR:HB	1:36:A:GLU:HG2	12	0.57
(1,4157)	1:32:A:SER:HB3	1:23:A:GLU:HG2	7	0.57
(1,4157)	1:32:A:SER:HB2	1:23:A:GLU:HG3	16	0.57
(1,4117)	1:44:A:SER:HA	1:46:A:LEU:HA	11	0.57
(1,4084)	1:74:B:GLU:HA	1:78:B:PHE:HA	7	0.57
(1,4083)	1:74:A:GLU:HA	1:78:A:PHE:HA	7	0.57
(1,4029)	1:49:A:ARG:HA	1:46:A:LEU:HD23	8	0.57
(1,3978)	1:29:B:LEU:HA	1:31:B:LYS:HA	2	0.57
(1,3978)	1:29:B:LEU:HA	1:31:B:LYS:HA	10	0.57
(1,3977)	1:29:A:LEU:HA	1:31:A:LYS:HA	2	0.57
(1,3977)	1:29:A:LEU:HA	1:31:A:LYS:HA	10	0.57
(1,3976)	1:42:B:LEU:HA	1:40:B:ARG:H	12	0.57
(1,3976)	1:42:B:LEU:HA	1:40:B:ARG:H	17	0.57
(1,3935)	1:61:A:ASN:HB3	1:62:A:LEU:HB3	13	0.57
(1,3869)	1:51:A:ASP:HB3	1:49:A:ARG:HD2	15	0.57
(1,3816)	1:79:B:LEU:HB3	1:80:B:SER:HB3	13	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3816)	1:79:B:LEU:HB3	1:80:B:SER:HB2	16	0.57
(1,3815)	1:79:A:LEU:HB3	1:80:A:SER:HB3	13	0.57
(1,3768)	1:84:B:MET:HB3	1:87:B:ASN:HB2	13	0.57
(1,3767)	1:84:A:MET:HB3	1:87:A:ASN:HB2	13	0.57
(1,3766)	1:87:B:ASN:HB3	1:89:B:PHE:HB2	3	0.57
(1,3765)	1:87:A:ASN:HB3	1:89:A:PHE:HB2	3	0.57
(1,3713)	1:69:A:GLU:HB2	1:70:A:VAL:HG21	2	0.57
(1,3633)	1:43:A:PRO:HB3	1:7:B:LYS:HG3	15	0.57
(1,3620)	1:17:B:HIS:HB2	1:13:B:VAL:HG12	20	0.57
(1,3619)	1:17:A:HIS:HB2	1:13:A:VAL:HG12	20	0.57
(1,3596)	1:11:B:VAL:HG21	1:7:B:LYS:HD3	4	0.57
(1,3576)	1:88:B:GLU:HB2	1:90:B:PHE:HB3	14	0.57
(1,3575)	1:88:A:GLU:HB2	1:90:A:PHE:HB3	6	0.57
(1,3575)	1:88:A:GLU:HB2	1:90:A:PHE:HB3	14	0.57
(1,3542)	1:37:B:LEU:HD13	1:17:B:HIS:HA	12	0.57
(1,3541)	1:37:A:LEU:HD13	1:17:A:HIS:HA	12	0.57
(1,3501)	1:34:A:LEU:HD22	1:58:A:LEU:HB3	17	0.57
(1,3462)	1:29:B:LEU:HD13	1:69:B:GLU:HA	14	0.57
(1,3461)	1:29:A:LEU:HD13	1:69:A:GLU:HA	14	0.57
(1,3438)	1:39:B:THR:H	1:46:B:LEU:HD12	8	0.57
(1,3438)	1:39:B:THR:H	1:46:B:LEU:HD12	11	0.57
(1,3437)	1:39:A:THR:H	1:46:A:LEU:HD12	8	0.57
(1,3437)	1:39:A:THR:H	1:46:A:LEU:HD12	11	0.57
(1,3434)	1:38:B:LEU:HD13	1:41:B:GLU:HG3	11	0.57
(1,3433)	1:38:A:LEU:HD13	1:41:A:GLU:HG3	11	0.57
(1,3403)	1:77:A:VAL:HG22	1:83:B:ALA:HB1	6	0.57
(1,3391)	1:68:A:ASN:HD21	1:70:A:VAL:HG21	9	0.57
(1,3122)	1:73:B:GLN:HE22	1:73:B:GLN:HA	16	0.57
(1,3121)	1:73:A:GLN:HE22	1:73:A:GLN:HA	16	0.57
(1,3046)	1:41:B:GLU:H	1:29:B:LEU:HD13	5	0.57
(1,3046)	1:41:B:GLU:H	1:29:B:LEU:HD12	6	0.57
(1,3045)	1:41:A:GLU:H	1:29:A:LEU:HD13	5	0.57
(1,3045)	1:41:A:GLU:H	1:29:A:LEU:HD12	6	0.57
(1,2923)	1:66:A:ARG:H	1:66:A:ARG:HB3	9	0.57
(1,2650)	1:10:B:ASP:H	1:82:A:ILE:HD12	14	0.57
(1,2649)	1:10:A:ASP:H	1:82:B:ILE:HD12	14	0.57
(1,2622)	1:55:B:PHE:H	1:50:B:THR:HG23	6	0.57
(1,2621)	1:55:A:PHE:H	1:50:A:THR:HG23	6	0.57
(1,2522)	1:57:B:LYS:H	1:56:B:GLN:HG3	12	0.57
(1,2517)	1:58:A:LEU:H	1:62:A:LEU:HD11	12	0.57
(1,2510)	1:42:B:LEU:H	1:82:B:ILE:HD12	12	0.57
(1,2509)	1:42:A:LEU:H	1:82:A:ILE:HD12	12	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2416)	1:52:B:GLU:H	1:53:B:ALA:HB1	10	0.57
(1,2415)	1:52:A:GLU:H	1:53:A:ALA:HB1	10	0.57
(1,2394)	1:18:B:LYS:H	1:37:B:LEU:HD11	7	0.57
(1,2372)	1:11:B:VAL:H	1:8:B:ALA:HB1	15	0.57
(1,2371)	1:11:A:VAL:H	1:8:A:ALA:HB1	15	0.57
(1,2355)	1:54:A:ALA:H	1:46:A:LEU:HD11	7	0.57
(1,2316)	1:78:B:PHE:H	1:84:A:MET:HG2	9	0.57
(1,2316)	1:78:B:PHE:H	1:84:A:MET:HG2	16	0.57
(1,2316)	1:78:B:PHE:H	1:84:A:MET:HG2	18	0.57
(1,2306)	1:45:B:PHE:H	1:42:B:LEU:HD22	8	0.57
(1,2305)	1:45:A:PHE:H	1:42:A:LEU:HD22	8	0.57
(1,2210)	1:30:B:ASN:H	1:33:B:GLU:HB3	6	0.57
(1,2209)	1:30:A:ASN:H	1:33:A:GLU:HB3	6	0.57
(1,2164)	1:70:B:VAL:H	1:29:B:LEU:HB3	10	0.57
(1,2163)	1:70:A:VAL:H	1:29:A:LEU:HB3	10	0.57
(1,2092)	1:26:B:LYS:H	1:21:B:GLY:HA3	2	0.57
(1,2092)	1:26:B:LYS:H	1:21:B:GLY:HA3	4	0.57
(1,2074)	1:15:B:THR:HA	1:5:A:LEU:HD23	9	0.57
(1,2073)	1:15:A:THR:HA	1:5:B:LEU:HD21	18	0.57
(1,2040)	1:43:B:PRO:HA	1:46:B:LEU:HD11	5	0.57
(1,2040)	1:43:B:PRO:HA	1:46:B:LEU:HD13	9	0.57
(1,2039)	1:43:A:PRO:HA	1:46:A:LEU:HD12	2	0.57
(1,2039)	1:43:A:PRO:HA	1:46:A:LEU:HD13	9	0.57
(1,2036)	1:43:B:PRO:HA	1:7:A:LYS:HD3	1	0.57
(1,2035)	1:43:A:PRO:HA	1:7:B:LYS:HD3	1	0.57
(1,1922)	1:86:B:SER:HA	1:13:A:VAL:HG22	19	0.57
(1,1921)	1:86:A:SER:HA	1:13:B:VAL:HG21	10	0.57
(1,1762)	1:61:B:ASN:HB3	1:58:B:LEU:HA	5	0.57
(1,1762)	1:61:B:ASN:HB3	1:58:B:LEU:HA	8	0.57
(1,1762)	1:61:B:ASN:HB3	1:58:B:LEU:HA	12	0.57
(1,1761)	1:61:A:ASN:HB3	1:58:A:LEU:HA	5	0.57
(1,1761)	1:61:A:ASN:HB3	1:58:A:LEU:HA	8	0.57
(1,1609)	1:25:A:ASP:HB2	1:28:A:LYS:HA	8	0.57
(1,1596)	1:95:B:ASP:HA	1:96:B:LYS:HG2	6	0.57
(1,1595)	1:95:A:ASP:HA	1:96:A:LYS:HG2	6	0.57
(1,1580)	1:29:B:LEU:HD12	1:29:B:LEU:HA	2	0.57
(1,1580)	1:29:B:LEU:HD11	1:29:B:LEU:HA	4	0.57
(1,1580)	1:29:B:LEU:HD11	1:29:B:LEU:HA	8	0.57
(1,1580)	1:29:B:LEU:HD11	1:29:B:LEU:HA	11	0.57
(1,1580)	1:29:B:LEU:HD13	1:29:B:LEU:HA	17	0.57
(1,1580)	1:29:B:LEU:HD12	1:29:B:LEU:HA	19	0.57
(1,1579)	1:29:A:LEU:HD12	1:29:A:LEU:HA	2	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1579)	1:29:A:LEU:HD11	1:29:A:LEU:HA	4	0.57
(1,1579)	1:29:A:LEU:HD11	1:29:A:LEU:HA	8	0.57
(1,1579)	1:29:A:LEU:HD11	1:29:A:LEU:HA	11	0.57
(1,1579)	1:29:A:LEU:HD13	1:29:A:LEU:HA	17	0.57
(1,1579)	1:29:A:LEU:HD12	1:29:A:LEU:HA	19	0.57
(1,1561)	1:30:A:ASN:HA	1:31:A:LYS:HG2	8	0.57
(1,1444)	1:49:B:ARG:HD2	1:46:B:LEU:HD13	5	0.57
(1,1314)	1:58:B:LEU:HB3	1:62:B:LEU:HD11	20	0.57
(1,1313)	1:58:A:LEU:HB3	1:62:A:LEU:HD11	20	0.57
(1,1252)	1:63:B:ASP:HB2	1:60:B:SER:HA	10	0.57
(1,1251)	1:63:A:ASP:HB2	1:60:A:SER:HA	10	0.57
(1,1238)	1:18:B:LYS:HB3	1:16:B:PHE:HB2	16	0.57
(1,1237)	1:18:A:LYS:HB3	1:16:A:PHE:HB2	16	0.57
(1,1228)	1:57:B:LYS:HE3	1:56:B:GLN:HA	17	0.57
(1,1227)	1:57:A:LYS:HE3	1:56:A:GLN:HA	17	0.57
(1,1203)	1:87:A:ASN:HB3	1:73:B:GLN:HG3	18	0.57
(1,1153)	1:30:A:ASN:HB3	1:31:A:LYS:HA	9	0.57
(1,1075)	1:31:A:LYS:HD3	1:52:A:GLU:HG2	5	0.57
(1,1062)	1:88:B:GLU:HG2	1:85:B:MET:HA	8	0.57
(1,1061)	1:88:A:GLU:HG2	1:85:A:MET:HA	8	0.57
(1,969)	1:97:A:GLN:HG2	1:95:A:ASP:HB3	3	0.57
(1,969)	1:97:A:GLN:HG2	1:95:A:ASP:HB3	17	0.57
(1,908)	1:94:B:PRO:HB3	1:99:B:ARG:HG2	15	0.57
(1,907)	1:94:A:PRO:HB3	1:99:A:ARG:HG2	15	0.57
(1,802)	1:41:B:GLU:HB2	1:5:A:LEU:HD23	13	0.57
(1,748)	1:36:B:GLU:HB2	1:37:B:LEU:HD11	13	0.57
(1,747)	1:36:A:GLU:HB2	1:37:A:LEU:HD11	13	0.57
(1,732)	1:52:B:GLU:HB3	1:31:B:LYS:HE2	6	0.57
(1,731)	1:52:A:GLU:HB3	1:31:A:LYS:HE2	6	0.57
(1,686)	1:100:B:LYS:HD2	1:101:B:LYS:HA	6	0.57
(1,599)	1:37:A:LEU:HD12	1:34:A:LEU:HA	11	0.57
(1,584)	1:29:B:LEU:HD23	1:33:B:GLU:H	13	0.57
(1,584)	1:29:B:LEU:HD22	1:33:B:GLU:H	18	0.57
(1,583)	1:29:A:LEU:HD22	1:33:A:GLU:H	1	0.57
(1,583)	1:29:A:LEU:HD23	1:33:A:GLU:H	13	0.57
(1,574)	1:9:B:LEU:HG	1:83:A:ALA:HB3	19	0.57
(1,556)	1:95:B:ASP:H	1:99:B:ARG:HG2	17	0.57
(1,555)	1:95:A:ASP:H	1:99:A:ARG:HG2	17	0.57
(1,508)	1:34:B:LEU:HD23	1:59:B:MET:HG2	13	0.57
(1,507)	1:34:A:LEU:HD23	1:59:A:MET:HG2	13	0.57
(1,416)	1:46:B:LEU:HD21	1:62:B:LEU:HD11	19	0.57
(1,415)	1:46:A:LEU:HD21	1:62:A:LEU:HD11	19	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,412)	1:39:B:THR:HG21	1:46:B:LEU:HD22	6	0.57
(1,411)	1:39:A:THR:HG21	1:46:A:LEU:HD22	6	0.57
(1,411)	1:39:A:THR:HG22	1:46:A:LEU:HD23	15	0.57
(1,372)	1:26:B:LYS:HG2	1:25:B:ASP:HB2	2	0.57
(1,371)	1:26:A:LYS:HG2	1:25:A:ASP:HB2	2	0.57
(1,371)	1:26:A:LYS:HG3	1:25:A:ASP:HB2	3	0.57
(1,232)	1:13:B:VAL:HG21	1:84:A:MET:HA	2	0.57
(1,176)	1:70:B:VAL:HG12	1:71:B:ASP:HB3	8	0.57
(1,176)	1:70:B:VAL:HG13	1:71:B:ASP:HB3	19	0.57
(1,175)	1:70:A:VAL:HG13	1:71:A:ASP:HB3	19	0.57
(1,172)	1:50:B:THR:HG22	1:48:B:LYS:HA	17	0.57
(1,171)	1:50:A:THR:HG22	1:48:A:LYS:HA	17	0.57
(1,126)	1:77:B:VAL:HG13	1:76:B:SER:H	4	0.57
(1,125)	1:77:A:VAL:HG13	1:76:A:SER:H	4	0.57
(1,122)	1:2:B:ALA:HB1	1:37:A:LEU:HG	1	0.57
(1,121)	1:2:A:ALA:HB1	1:37:B:LEU:HG	1	0.57
(1,94)	1:54:B:ALA:HB2	1:46:B:LEU:HB3	20	0.57
(1,93)	1:54:A:ALA:HB2	1:46:A:LEU:HB3	20	0.57
(1,12)	1:5:B:LEU:HD22	1:42:A:LEU:HG	1	0.57
(1,12)	1:5:B:LEU:HD21	1:42:A:LEU:HG	19	0.57
(1,11)	1:5:A:LEU:HD22	1:42:B:LEU:HG	1	0.57
(1,11)	1:5:A:LEU:HD22	1:42:B:LEU:HG	7	0.57
(1,8)	1:79:B:LEU:HD13	1:9:A:LEU:HD22	16	0.57
(2,293)	1:21:A:GLY:H	1:26:A:LYS:HB3	19	0.56
(2,285)	1:65:A:ASN:HD21	1:68:A:ASN:HD21	7	0.56
(2,276)	1:20:B:SER:H	1:29:B:LEU:HB2	11	0.56
(2,276)	1:20:B:SER:H	1:29:B:LEU:HB2	19	0.56
(2,275)	1:20:A:SER:H	1:29:A:LEU:HB2	19	0.56
(2,170)	1:70:B:VAL:H	1:30:B:ASN:HB2	1	0.56
(2,169)	1:70:A:VAL:H	1:30:A:ASN:HB2	1	0.56
(2,150)	1:14:B:SER:HA	1:16:B:PHE:HB3	11	0.56
(2,47)	1:23:A:GLU:HB3	1:33:A:GLU:HB2	8	0.56
(1,4616)	1:56:B:GLN:HE22	1:60:B:SER:HA	19	0.56
(1,4596)	1:88:B:GLU:H	1:94:B:PRO:HG3	5	0.56
(1,4570)	1:30:B:ASN:HD22	1:34:B:LEU:HD13	11	0.56
(1,4569)	1:30:A:ASN:HD22	1:34:A:LEU:HD13	11	0.56
(1,4562)	1:73:B:GLN:HE22	1:77:B:VAL:HA	3	0.56
(1,4559)	1:73:A:GLN:HE21	1:78:A:PHE:HB2	18	0.56
(1,4490)	1:17:B:HIS:H	1:13:B:VAL:HG22	11	0.56
(1,4489)	1:17:A:HIS:H	1:13:A:VAL:HG22	11	0.56
(1,4487)	1:17:A:HIS:H	1:26:A:LYS:HD2	9	0.56
(1,4463)	1:31:A:LYS:H	1:34:A:LEU:HD23	1	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4462)	1:31:B:LYS:H	1:33:B:GLU:HG3	2	0.56
(1,4461)	1:31:A:LYS:H	1:33:A:GLU:HG3	2	0.56
(1,4451)	1:69:A:GLU:H	1:67:A:ASP:HB3	9	0.56
(1,4422)	1:35:B:LYS:H	1:59:B:MET:HB2	3	0.56
(1,4421)	1:35:A:LYS:H	1:59:A:MET:HB2	3	0.56
(1,4410)	1:61:B:ASN:H	1:58:B:LEU:HD11	5	0.56
(1,4410)	1:61:B:ASN:H	1:58:B:LEU:HD12	20	0.56
(1,4409)	1:61:A:ASN:H	1:58:A:LEU:HD11	5	0.56
(1,4409)	1:61:A:ASN:H	1:58:A:LEU:HD12	20	0.56
(1,4383)	1:76:A:SER:H	1:83:B:ALA:HB3	4	0.56
(1,4372)	1:95:B:ASP:H	1:94:B:PRO:HB3	12	0.56
(1,4371)	1:95:A:ASP:H	1:91:A:GLU:HG3	20	0.56
(1,4360)	1:67:B:ASP:H	1:70:B:VAL:HG22	6	0.56
(1,4340)	1:13:B:VAL:H	1:79:B:LEU:HD12	13	0.56
(1,4339)	1:13:A:VAL:H	1:79:A:LEU:HD12	13	0.56
(1,4328)	1:58:B:LEU:H	1:56:B:GLN:HB3	15	0.56
(1,4327)	1:58:A:LEU:H	1:56:A:GLN:HB3	15	0.56
(1,4316)	1:74:B:GLU:H	1:70:B:VAL:HG21	10	0.56
(1,4316)	1:74:B:GLU:H	1:70:B:VAL:HG23	17	0.56
(1,4315)	1:74:A:GLU:H	1:70:A:VAL:HG21	10	0.56
(1,4315)	1:74:A:GLU:H	1:70:A:VAL:HG23	17	0.56
(1,4288)	1:45:B:PHE:H	1:82:B:ILE:HG22	9	0.56
(1,4287)	1:45:A:PHE:H	1:82:A:ILE:HG22	9	0.56
(1,4149)	1:76:A:SER:HB3	1:82:B:ILE:HB	8	0.56
(1,4118)	1:44:B:SER:HA	1:46:B:LEU:HA	19	0.56
(1,4117)	1:44:A:SER:HA	1:46:A:LEU:HA	19	0.56
(1,4084)	1:61:B:ASN:HA	1:57:B:LYS:HA	5	0.56
(1,4083)	1:61:A:ASN:HA	1:57:A:LYS:HA	5	0.56
(1,4030)	1:49:B:ARG:HA	1:46:B:LEU:HD23	8	0.56
(1,4004)	1:59:B:MET:H	1:61:B:ASN:HA	13	0.56
(1,4003)	1:59:A:MET:H	1:61:A:ASN:HA	13	0.56
(1,3978)	1:29:B:LEU:HA	1:31:B:LYS:HA	7	0.56
(1,3978)	1:29:B:LEU:HA	1:31:B:LYS:HA	11	0.56
(1,3977)	1:29:A:LEU:HA	1:31:A:LYS:HA	7	0.56
(1,3977)	1:29:A:LEU:HA	1:31:A:LYS:HA	11	0.56
(1,3975)	1:42:A:LEU:HA	1:40:A:ARG:H	12	0.56
(1,3975)	1:42:A:LEU:HA	1:40:A:ARG:H	17	0.56
(1,3949)	1:21:A:GLY:HA3	1:22:A:LYS:HD3	11	0.56
(1,3936)	1:61:B:ASN:HB3	1:62:B:LEU:HB3	13	0.56
(1,3919)	1:40:A:ARG:HD2	1:19:A:TYR:HB3	3	0.56
(1,3918)	1:40:B:ARG:HD2	1:39:B:THR:HA	7	0.56
(1,3917)	1:40:A:ARG:HD2	1:39:A:THR:HA	7	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3870)	1:51:B:ASP:HB3	1:49:B:ARG:HD2	15	0.56
(1,3816)	1:79:B:LEU:HB3	1:80:B:SER:HB3	12	0.56
(1,3815)	1:79:A:LEU:HB3	1:80:A:SER:HB3	12	0.56
(1,3766)	1:87:B:ASN:HB3	1:89:B:PHE:HB2	11	0.56
(1,3765)	1:87:A:ASN:HB3	1:89:A:PHE:HB2	11	0.56
(1,3714)	1:69:B:GLU:HB2	1:70:B:VAL:HG23	10	0.56
(1,3713)	1:69:A:GLU:HB2	1:70:A:VAL:HG23	10	0.56
(1,3705)	1:23:A:GLU:HB3	1:33:A:GLU:HB2	8	0.56
(1,3634)	1:43:B:PRO:HB3	1:7:A:LYS:HG3	1	0.56
(1,3634)	1:43:B:PRO:HB3	1:7:A:LYS:HG3	6	0.56
(1,3633)	1:43:A:PRO:HB3	1:7:B:LYS:HG3	1	0.56
(1,3633)	1:43:A:PRO:HB3	1:7:B:LYS:HG3	6	0.56
(1,3617)	1:17:A:HIS:HB3	1:13:A:VAL:HG12	18	0.56
(1,3595)	1:11:A:VAL:HG21	1:7:A:LYS:HD3	4	0.56
(1,3594)	1:57:B:LYS:HG3	1:57:B:LYS:HD2	16	0.56
(1,3593)	1:57:A:LYS:HG3	1:57:A:LYS:HD2	16	0.56
(1,3584)	1:7:B:LYS:HD3	1:7:B:LYS:HB3	14	0.56
(1,3583)	1:7:A:LYS:HD3	1:7:A:LYS:HB3	14	0.56
(1,3576)	1:88:B:GLU:HB2	1:90:B:PHE:HB3	6	0.56
(1,3524)	1:38:B:LEU:HD22	1:55:B:PHE:HB3	6	0.56
(1,3523)	1:38:A:LEU:HD22	1:55:A:PHE:HB3	6	0.56
(1,3502)	1:34:B:LEU:HD21	1:58:B:LEU:HB3	16	0.56
(1,3438)	1:39:B:THR:H	1:46:B:LEU:HD12	2	0.56
(1,3437)	1:39:A:THR:H	1:46:A:LEU:HD12	2	0.56
(1,3404)	1:77:B:VAL:HG22	1:62:B:LEU:HB3	20	0.56
(1,3403)	1:77:A:VAL:HG23	1:62:A:LEU:HB3	2	0.56
(1,3403)	1:77:A:VAL:HG22	1:62:A:LEU:HB3	20	0.56
(1,3392)	1:68:B:ASN:HD21	1:70:B:VAL:HG21	9	0.56
(1,3376)	1:50:B:THR:HG23	1:35:B:LYS:HB3	15	0.56
(1,3375)	1:50:A:THR:HG23	1:35:A:LYS:HB3	15	0.56
(1,3317)	1:82:A:ILE:HG23	1:45:A:PHE:HA	4	0.56
(1,3264)	1:81:B:SER:H	1:82:B:ILE:HD11	1	0.56
(1,3263)	1:81:A:SER:H	1:82:A:ILE:HD11	1	0.56
(1,3073)	1:60:A:SER:H	1:62:A:LEU:HD11	4	0.56
(1,3046)	1:41:B:GLU:H	1:29:B:LEU:HD11	18	0.56
(1,3045)	1:41:A:GLU:H	1:29:A:LEU:HD11	18	0.56
(1,2746)	1:34:B:LEU:H	1:33:B:GLU:HG2	18	0.56
(1,2745)	1:34:A:LEU:H	1:33:A:GLU:HG2	18	0.56
(1,2628)	1:55:B:PHE:H	1:55:B:PHE:HB2	14	0.56
(1,2628)	1:55:B:PHE:H	1:55:B:PHE:HB2	18	0.56
(1,2627)	1:55:A:PHE:H	1:55:A:PHE:HB2	14	0.56
(1,2627)	1:55:A:PHE:H	1:55:A:PHE:HB2	18	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2622)	1:55:B:PHE:H	1:50:B:THR:HG23	4	0.56
(1,2622)	1:55:B:PHE:H	1:50:B:THR:HG23	17	0.56
(1,2522)	1:57:B:LYS:H	1:56:B:GLN:HG2	2	0.56
(1,2522)	1:57:B:LYS:H	1:56:B:GLN:HG3	15	0.56
(1,2521)	1:57:A:LYS:H	1:56:A:GLN:HG2	2	0.56
(1,2521)	1:57:A:LYS:H	1:56:A:GLN:HG3	12	0.56
(1,2518)	1:58:B:LEU:H	1:62:B:LEU:HD11	12	0.56
(1,2518)	1:58:B:LEU:H	1:62:B:LEU:HD13	17	0.56
(1,2517)	1:58:A:LEU:H	1:62:A:LEU:HD13	17	0.56
(1,2510)	1:42:B:LEU:H	1:82:B:ILE:HD12	1	0.56
(1,2509)	1:42:A:LEU:H	1:82:A:ILE:HD12	1	0.56
(1,2393)	1:18:A:LYS:H	1:37:A:LEU:HD11	7	0.56
(1,2393)	1:18:A:LYS:H	1:37:A:LEU:HD13	9	0.56
(1,2372)	1:11:B:VAL:H	1:8:B:ALA:HB2	11	0.56
(1,2372)	1:11:B:VAL:H	1:8:B:ALA:HB3	19	0.56
(1,2371)	1:11:A:VAL:H	1:8:A:ALA:HB2	11	0.56
(1,2371)	1:11:A:VAL:H	1:8:A:ALA:HB3	19	0.56
(1,2356)	1:54:B:ALA:H	1:46:B:LEU:HD11	7	0.56
(1,2315)	1:78:A:PHE:H	1:84:B:MET:HG2	16	0.56
(1,2315)	1:78:A:PHE:H	1:84:B:MET:HG2	18	0.56
(1,2304)	1:45:B:PHE:H	1:7:A:LYS:HD3	1	0.56
(1,2303)	1:45:A:PHE:H	1:7:B:LYS:HD3	1	0.56
(1,2248)	1:8:B:ALA:H	1:43:A:PRO:HD2	6	0.56
(1,2247)	1:8:A:ALA:H	1:43:B:PRO:HD2	6	0.56
(1,2091)	1:26:A:LYS:H	1:21:A:GLY:HA3	2	0.56
(1,2074)	1:15:B:THR:HA	1:5:A:LEU:HD21	14	0.56
(1,2074)	1:15:B:THR:HA	1:5:A:LEU:HD21	18	0.56
(1,2073)	1:15:A:THR:HA	1:5:B:LEU:HD23	9	0.56
(1,2040)	1:43:B:PRO:HA	1:46:B:LEU:HD12	11	0.56
(1,2040)	1:43:B:PRO:HA	1:46:B:LEU:HD13	15	0.56
(1,2039)	1:43:A:PRO:HA	1:46:A:LEU:HD11	5	0.56
(1,2039)	1:43:A:PRO:HA	1:46:A:LEU:HD12	8	0.56
(1,2039)	1:43:A:PRO:HA	1:46:A:LEU:HD13	15	0.56
(1,1922)	1:86:B:SER:HA	1:13:A:VAL:HG21	9	0.56
(1,1922)	1:86:B:SER:HA	1:13:A:VAL:HG21	10	0.56
(1,1922)	1:86:B:SER:HA	1:13:A:VAL:HG23	11	0.56
(1,1921)	1:86:A:SER:HA	1:13:B:VAL:HG23	11	0.56
(1,1761)	1:61:A:ASN:HB3	1:58:A:LEU:HA	12	0.56
(1,1580)	1:29:B:LEU:HD13	1:29:B:LEU:HA	3	0.56
(1,1580)	1:29:B:LEU:HD13	1:29:B:LEU:HA	13	0.56
(1,1580)	1:29:B:LEU:HD13	1:29:B:LEU:HA	14	0.56
(1,1580)	1:29:B:LEU:HD11	1:29:B:LEU:HA	16	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1579)	1:29:A:LEU:HD13	1:29:A:LEU:HA	3	0.56
(1,1579)	1:29:A:LEU:HD13	1:29:A:LEU:HA	13	0.56
(1,1579)	1:29:A:LEU:HD13	1:29:A:LEU:HA	14	0.56
(1,1492)	1:42:B:LEU:HB3	1:37:B:LEU:HD22	11	0.56
(1,1491)	1:42:A:LEU:HB3	1:37:A:LEU:HD22	11	0.56
(1,1444)	1:49:B:ARG:HD2	1:46:B:LEU:HD11	18	0.56
(1,1443)	1:49:A:ARG:HD2	1:46:A:LEU:HD11	18	0.56
(1,1407)	1:39:A:THR:HG22	1:40:A:ARG:HD2	8	0.56
(1,1336)	1:26:B:LYS:HE2	1:17:B:HIS:HB3	11	0.56
(1,1335)	1:26:A:LYS:HE2	1:17:A:HIS:HB3	11	0.56
(1,1312)	1:34:B:LEU:HB3	1:62:B:LEU:HD13	5	0.56
(1,1311)	1:34:A:LEU:HB3	1:62:A:LEU:HD13	5	0.56
(1,1252)	1:63:B:ASP:HB2	1:60:B:SER:HA	4	0.56
(1,1252)	1:63:B:ASP:HB2	1:60:B:SER:HA	12	0.56
(1,1251)	1:63:A:ASP:HB2	1:60:A:SER:HA	4	0.56
(1,1251)	1:63:A:ASP:HB2	1:60:A:SER:HA	12	0.56
(1,970)	1:97:B:GLN:HG2	1:95:B:ASP:HB3	17	0.56
(1,960)	1:22:B:LYS:HB3	1:33:B:GLU:HG2	10	0.56
(1,959)	1:22:A:LYS:HB3	1:33:A:GLU:HG2	10	0.56
(1,918)	1:85:B:MET:HG3	1:84:B:MET:HG3	2	0.56
(1,917)	1:85:A:MET:HG3	1:84:A:MET:HG3	2	0.56
(1,756)	1:31:B:LYS:HD2	1:56:B:GLN:HE21	9	0.56
(1,755)	1:31:A:LYS:HD2	1:56:A:GLN:HE21	9	0.56
(1,706)	1:88:B:GLU:HB2	1:96:B:LYS:HG2	5	0.56
(1,584)	1:29:B:LEU:HD22	1:33:B:GLU:H	1	0.56
(1,584)	1:29:B:LEU:HD23	1:33:B:GLU:H	6	0.56
(1,583)	1:29:A:LEU:HD22	1:33:A:GLU:H	18	0.56
(1,560)	1:94:B:PRO:HG2	1:101:B:LYS:HE2	17	0.56
(1,559)	1:94:A:PRO:HG2	1:101:A:LYS:HE2	17	0.56
(1,416)	1:46:B:LEU:HD23	1:62:B:LEU:HD13	11	0.56
(1,415)	1:46:A:LEU:HD23	1:62:A:LEU:HD13	11	0.56
(1,372)	1:26:B:LYS:HG3	1:25:B:ASP:HB2	3	0.56
(1,206)	1:34:B:LEU:HD11	1:38:B:LEU:H	17	0.56
(1,205)	1:34:A:LEU:HD11	1:38:A:LEU:H	17	0.56
(1,175)	1:70:A:VAL:HG12	1:71:A:ASP:HB3	8	0.56
(1,17)	1:39:A:THR:HB	1:40:A:ARG:HG2	6	0.56
(1,12)	1:5:B:LEU:HD22	1:42:A:LEU:HG	7	0.56
(1,12)	1:5:B:LEU:HD22	1:42:A:LEU:HG	9	0.56
(1,7)	1:79:A:LEU:HD13	1:9:B:LEU:HD22	16	0.56
(2,286)	1:65:B:ASN:HD21	1:68:B:ASN:HD21	7	0.55
(2,276)	1:20:B:SER:H	1:29:B:LEU:HB2	17	0.55
(2,275)	1:20:A:SER:H	1:29:A:LEU:HB2	17	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,196)	1:22:B:LYS:H	1:19:B:TYR:HB2	14	0.55
(2,195)	1:22:A:LYS:H	1:19:A:TYR:HB2	14	0.55
(2,149)	1:14:A:SER:HA	1:16:A:PHE:HB3	11	0.55
(2,48)	1:23:B:GLU:HB3	1:33:B:GLU:HB2	8	0.55
(2,48)	1:23:B:GLU:HB3	1:33:B:GLU:HB2	20	0.55
(1,4616)	1:56:B:GLN:HE22	1:60:B:SER:HA	6	0.55
(1,4616)	1:56:B:GLN:HE22	1:60:B:SER:HA	7	0.55
(1,4615)	1:56:A:GLN:HE22	1:60:A:SER:HA	19	0.55
(1,4600)	1:99:B:ARG:H	1:101:B:LYS:HE2	16	0.55
(1,4599)	1:99:A:ARG:H	1:101:A:LYS:HE2	16	0.55
(1,4595)	1:88:A:GLU:H	1:94:A:PRO:HG3	5	0.55
(1,4544)	1:97:B:GLN:HE21	1:98:B:PRO:HD3	12	0.55
(1,4543)	1:97:A:GLN:HE21	1:98:A:PRO:HD3	12	0.55
(1,4526)	1:68:B:ASN:HD21	1:56:B:GLN:HA	7	0.55
(1,4525)	1:68:A:ASN:HD21	1:56:A:GLN:HA	7	0.55
(1,4488)	1:17:B:HIS:H	1:26:B:LYS:HD2	9	0.55
(1,4478)	1:86:B:SER:H	1:13:A:VAL:HG11	19	0.55
(1,4477)	1:86:A:SER:H	1:13:B:VAL:HG11	19	0.55
(1,4464)	1:31:B:LYS:H	1:34:B:LEU:HD23	1	0.55
(1,4458)	1:68:B:ASN:H	1:66:B:ARG:HB2	16	0.55
(1,4457)	1:68:A:ASN:H	1:66:A:ARG:HB2	16	0.55
(1,4448)	1:69:B:GLU:H	1:28:B:LYS:HA	16	0.55
(1,4447)	1:69:A:GLU:H	1:28:A:LYS:HA	16	0.55
(1,4410)	1:61:B:ASN:H	1:58:B:LEU:HD13	2	0.55
(1,4410)	1:61:B:ASN:H	1:58:B:LEU:HD13	13	0.55
(1,4409)	1:61:A:ASN:H	1:58:A:LEU:HD13	13	0.55
(1,4404)	1:15:B:THR:H	1:13:B:VAL:HB	19	0.55
(1,4403)	1:15:A:THR:H	1:13:A:VAL:HB	19	0.55
(1,4400)	1:72:B:PHE:H	1:13:B:VAL:HG13	17	0.55
(1,4399)	1:72:A:PHE:H	1:13:A:VAL:HG13	17	0.55
(1,4372)	1:95:B:ASP:H	1:94:B:PRO:HB3	7	0.55
(1,4372)	1:95:B:ASP:H	1:91:B:GLU:HG3	20	0.55
(1,4371)	1:95:A:ASP:H	1:94:A:PRO:HB3	7	0.55
(1,4370)	1:95:B:ASP:H	1:27:A:PHE:HB2	15	0.55
(1,4366)	1:9:B:LEU:H	1:79:A:LEU:HD11	17	0.55
(1,4365)	1:9:A:LEU:H	1:79:B:LEU:HD11	17	0.55
(1,4356)	1:79:B:LEU:H	1:82:B:ILE:HG13	17	0.55
(1,4355)	1:79:A:LEU:H	1:82:A:ILE:HG13	17	0.55
(1,4324)	1:42:B:LEU:H	1:37:B:LEU:HD23	6	0.55
(1,4324)	1:42:B:LEU:H	1:37:B:LEU:HD21	17	0.55
(1,4323)	1:42:A:LEU:H	1:37:A:LEU:HD23	6	0.55
(1,4323)	1:42:A:LEU:H	1:37:A:LEU:HD21	17	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4316)	1:74:B:GLU:H	1:70:B:VAL:HG21	12	0.55
(1,4315)	1:74:A:GLU:H	1:70:A:VAL:HG21	12	0.55
(1,4288)	1:45:B:PHE:H	1:82:B:ILE:HG22	15	0.55
(1,4287)	1:45:A:PHE:H	1:82:A:ILE:HG22	15	0.55
(1,4287)	1:45:A:PHE:H	1:82:A:ILE:HG22	16	0.55
(1,4254)	1:77:B:VAL:H	1:62:B:LEU:HB3	1	0.55
(1,4253)	1:77:A:VAL:H	1:62:A:LEU:HB3	1	0.55
(1,4253)	1:77:A:VAL:H	1:62:A:LEU:HB3	13	0.55
(1,4168)	1:76:B:SER:HB3	1:79:B:LEU:HB3	13	0.55
(1,4167)	1:76:A:SER:HB3	1:79:A:LEU:HB3	13	0.55
(1,4158)	1:32:B:SER:HB3	1:23:B:GLU:HG2	7	0.55
(1,4150)	1:76:B:SER:HB3	1:82:A:ILE:HB	8	0.55
(1,4132)	1:20:B:SER:HB2	1:22:B:LYS:HG3	10	0.55
(1,4118)	1:44:B:SER:HA	1:46:B:LEU:HA	11	0.55
(1,4118)	1:44:B:SER:HA	1:46:B:LEU:HA	15	0.55
(1,4062)	1:10:B:ASP:HA	1:82:A:ILE:HB	3	0.55
(1,4061)	1:10:A:ASP:HA	1:82:B:ILE:HB	3	0.55
(1,4008)	1:69:B:GLU:HG2	1:28:B:LYS:HA	3	0.55
(1,4007)	1:69:A:GLU:HG2	1:28:A:LYS:HA	3	0.55
(1,3978)	1:29:B:LEU:HA	1:31:B:LYS:HA	5	0.55
(1,3977)	1:29:A:LEU:HA	1:31:A:LYS:HA	5	0.55
(1,3972)	1:2:B:ALA:HA	1:11:A:VAL:HG11	13	0.55
(1,3958)	1:94:B:PRO:HD3	1:89:B:PHE:HA	13	0.55
(1,3957)	1:94:A:PRO:HD3	1:89:A:PHE:HA	13	0.55
(1,3950)	1:21:B:GLY:HA3	1:22:B:LYS:HD3	11	0.55
(1,3948)	1:21:B:GLY:HA3	1:22:B:LYS:HB3	1	0.55
(1,3936)	1:61:B:ASN:HB3	1:62:B:LEU:HB3	16	0.55
(1,3935)	1:61:A:ASN:HB3	1:62:A:LEU:HB3	16	0.55
(1,3935)	1:61:A:ASN:HB3	1:62:A:LEU:HB3	18	0.55
(1,3926)	1:46:B:LEU:HD23	1:49:B:ARG:HD3	14	0.55
(1,3925)	1:46:A:LEU:HD23	1:49:A:ARG:HD3	14	0.55
(1,3920)	1:40:B:ARG:HD2	1:19:B:TYR:HB3	3	0.55
(1,3920)	1:40:B:ARG:HD2	1:19:B:TYR:HB3	17	0.55
(1,3919)	1:40:A:ARG:HD2	1:19:A:TYR:HB3	17	0.55
(1,3886)	1:7:B:LYS:HD3	1:7:B:LYS:HE2	5	0.55
(1,3886)	1:100:B:LYS:HD3	1:100:B:LYS:HE2	14	0.55
(1,3885)	1:100:A:LYS:HD3	1:100:A:LYS:HE2	14	0.55
(1,3836)	1:25:B:ASP:HB3	1:69:B:GLU:HB3	13	0.55
(1,3835)	1:25:A:ASP:HB3	1:69:A:GLU:HB3	15	0.55
(1,3816)	1:79:B:LEU:HB3	1:80:B:SER:HB3	4	0.55
(1,3815)	1:79:A:LEU:HB3	1:80:A:SER:HB3	4	0.55
(1,3792)	1:61:B:ASN:HB3	1:81:B:SER:HB2	16	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3791)	1:61:A:ASN:HB3	1:81:A:SER:HB2	16	0.55
(1,3714)	1:69:B:GLU:HB2	1:70:B:VAL:HG21	9	0.55
(1,3714)	1:69:B:GLU:HB2	1:70:B:VAL:HG22	11	0.55
(1,3713)	1:69:A:GLU:HB2	1:70:A:VAL:HG21	9	0.55
(1,3713)	1:69:A:GLU:HB2	1:70:A:VAL:HG22	11	0.55
(1,3706)	1:23:B:GLU:HB3	1:33:B:GLU:HB2	8	0.55
(1,3706)	1:23:B:GLU:HB3	1:33:B:GLU:HB2	20	0.55
(1,3644)	1:31:B:LYS:HB3	1:35:B:LYS:HA	8	0.55
(1,3643)	1:31:A:LYS:HB3	1:35:A:LYS:HA	8	0.55
(1,3618)	1:17:B:HIS:HB3	1:13:B:VAL:HG11	7	0.55
(1,3618)	1:17:B:HIS:HB3	1:13:B:VAL:HG12	18	0.55
(1,3617)	1:17:A:HIS:HB3	1:13:A:VAL:HG11	7	0.55
(1,3581)	1:31:A:LYS:HD3	1:59:A:MET:HG3	3	0.55
(1,3562)	1:56:B:GLN:HB3	1:53:B:ALA:HB1	2	0.55
(1,3561)	1:56:A:GLN:HB3	1:53:A:ALA:HB1	2	0.55
(1,3542)	1:37:B:LEU:HD12	1:17:B:HIS:HA	2	0.55
(1,3542)	1:37:B:LEU:HD11	1:17:B:HIS:HA	3	0.55
(1,3541)	1:37:A:LEU:HD12	1:17:A:HIS:HA	2	0.55
(1,3541)	1:37:A:LEU:HD11	1:17:A:HIS:HA	3	0.55
(1,3540)	1:29:B:LEU:HD21	1:22:B:LYS:H	17	0.55
(1,3540)	1:29:B:LEU:HD21	1:22:B:LYS:H	18	0.55
(1,3539)	1:29:A:LEU:HD21	1:22:A:LYS:H	17	0.55
(1,3539)	1:29:A:LEU:HD21	1:22:A:LYS:H	18	0.55
(1,3501)	1:34:A:LEU:HD21	1:58:A:LEU:HB3	16	0.55
(1,3498)	1:79:B:LEU:HG	1:80:A:SER:HB3	8	0.55
(1,3497)	1:79:A:LEU:HG	1:80:B:SER:HB3	8	0.55
(1,3494)	1:79:B:LEU:HD21	1:15:B:THR:HB	14	0.55
(1,3493)	1:79:A:LEU:HD21	1:15:A:THR:HB	14	0.55
(1,3438)	1:39:B:THR:H	1:46:B:LEU:HD13	4	0.55
(1,3437)	1:39:A:THR:H	1:46:A:LEU:HD13	4	0.55
(1,3404)	1:77:B:VAL:HG23	1:62:B:LEU:HB3	2	0.55
(1,3392)	1:68:B:ASN:HD21	1:70:B:VAL:HG21	18	0.55
(1,3352)	1:13:B:VAL:HG12	1:90:A:PHE:H	10	0.55
(1,3352)	1:13:B:VAL:HG11	1:90:A:PHE:H	19	0.55
(1,3351)	1:13:A:VAL:HG12	1:90:B:PHE:H	10	0.55
(1,3351)	1:13:A:VAL:HG11	1:90:B:PHE:H	19	0.55
(1,3344)	1:77:B:VAL:HG13	1:84:A:MET:HG2	18	0.55
(1,3343)	1:77:A:VAL:HG13	1:84:B:MET:HG2	18	0.55
(1,3318)	1:82:B:ILE:HG23	1:45:B:PHE:HA	4	0.55
(1,3311)	1:82:A:ILE:HD13	1:10:B:ASP:HB2	16	0.55
(1,3074)	1:60:B:SER:H	1:62:B:LEU:HD11	4	0.55
(1,2872)	1:14:B:SER:H	1:10:B:ASP:HB3	8	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2871)	1:14:A:SER:H	1:10:A:ASP:HB3	8	0.55
(1,2820)	1:40:B:ARG:H	1:46:B:LEU:HD13	10	0.55
(1,2628)	1:55:B:PHE:H	1:55:B:PHE:HB2	12	0.55
(1,2627)	1:55:A:PHE:H	1:55:A:PHE:HB2	12	0.55
(1,2621)	1:55:A:PHE:H	1:50:A:THR:HG23	4	0.55
(1,2621)	1:55:A:PHE:H	1:50:A:THR:HG23	17	0.55
(1,2592)	1:56:B:GLN:H	1:55:B:PHE:HB2	12	0.55
(1,2591)	1:56:A:GLN:H	1:55:A:PHE:HB2	12	0.55
(1,2564)	1:27:B:PHE:H	1:28:B:LYS:HG2	12	0.55
(1,2563)	1:27:A:PHE:H	1:28:A:LYS:HG2	12	0.55
(1,2521)	1:57:A:LYS:H	1:56:A:GLN:HG3	15	0.55
(1,2518)	1:58:B:LEU:H	1:62:B:LEU:HD11	9	0.55
(1,2517)	1:58:A:LEU:H	1:62:A:LEU:HD11	9	0.55
(1,2510)	1:42:B:LEU:H	1:82:B:ILE:HD13	18	0.55
(1,2509)	1:42:A:LEU:H	1:82:A:ILE:HD13	18	0.55
(1,2394)	1:18:B:LYS:H	1:37:B:LEU:HD13	9	0.55
(1,2372)	1:11:B:VAL:H	1:8:B:ALA:HB3	8	0.55
(1,2371)	1:11:A:VAL:H	1:8:A:ALA:HB3	8	0.55
(1,2356)	1:54:B:ALA:H	1:46:B:LEU:HD12	4	0.55
(1,2355)	1:54:A:ALA:H	1:46:A:LEU:HD12	4	0.55
(1,2194)	1:12:B:MET:H	1:79:B:LEU:HD11	17	0.55
(1,2193)	1:12:A:MET:H	1:79:A:LEU:HD11	17	0.55
(1,2073)	1:15:A:THR:HA	1:5:B:LEU:HD21	11	0.55
(1,2073)	1:15:A:THR:HA	1:5:B:LEU:HD23	13	0.55
(1,2073)	1:15:A:THR:HA	1:5:B:LEU:HD21	14	0.55
(1,2040)	1:43:B:PRO:HA	1:46:B:LEU:HD13	4	0.55
(1,2040)	1:43:B:PRO:HA	1:46:B:LEU:HD12	8	0.55
(1,2039)	1:43:A:PRO:HA	1:46:A:LEU:HD12	11	0.55
(1,1993)	1:60:A:SER:HB2	1:61:A:ASN:HB3	10	0.55
(1,1992)	1:60:B:SER:HB2	1:66:B:ARG:HD3	13	0.55
(1,1921)	1:86:A:SER:HA	1:13:B:VAL:HG21	9	0.55
(1,1876)	1:82:B:ILE:HG22	1:45:B:PHE:HA	11	0.55
(1,1875)	1:82:A:ILE:HG22	1:45:A:PHE:HA	11	0.55
(1,1762)	1:61:B:ASN:HB3	1:58:B:LEU:HA	9	0.55
(1,1654)	1:83:B:ALA:HA	1:82:B:ILE:HD11	9	0.55
(1,1653)	1:83:A:ALA:HA	1:82:A:ILE:HD11	9	0.55
(1,1610)	1:25:B:ASP:HB2	1:28:B:LYS:HA	8	0.55
(1,1580)	1:29:B:LEU:HD11	1:29:B:LEU:HA	18	0.55
(1,1579)	1:29:A:LEU:HD11	1:29:A:LEU:HA	16	0.55
(1,1579)	1:29:A:LEU:HD11	1:29:A:LEU:HA	18	0.55
(1,1552)	1:98:B:PRO:HD2	1:101:B:LYS:HG2	15	0.55
(1,1551)	1:98:A:PRO:HD2	1:101:A:LYS:HG2	15	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1452)	1:29:B:LEU:HB2	1:37:B:LEU:HB3	14	0.55
(1,1451)	1:29:A:LEU:HB2	1:37:A:LEU:HB3	14	0.55
(1,1408)	1:39:B:THR:HG22	1:40:B:ARG:HD2	8	0.55
(1,1330)	1:18:B:LYS:HE3	1:19:B:TYR:HA	20	0.55
(1,1329)	1:18:A:LYS:HE3	1:19:A:TYR:HA	20	0.55
(1,1204)	1:87:B:ASN:HB3	1:73:A:GLN:HG2	9	0.55
(1,1198)	1:87:B:ASN:HB2	1:76:A:SER:HB2	2	0.55
(1,960)	1:22:B:LYS:HB3	1:33:B:GLU:HG3	1	0.55
(1,959)	1:22:A:LYS:HB3	1:33:A:GLU:HG3	1	0.55
(1,801)	1:41:A:GLU:HB2	1:5:B:LEU:HD23	13	0.55
(1,756)	1:31:B:LYS:HD3	1:56:B:GLN:HE21	20	0.55
(1,755)	1:31:A:LYS:HD3	1:56:A:GLN:HE21	20	0.55
(1,742)	1:36:B:GLU:HB2	1:39:B:THR:HG21	13	0.55
(1,741)	1:36:A:GLU:HB2	1:39:A:THR:HG21	13	0.55
(1,705)	1:88:A:GLU:HB2	1:96:A:LYS:HG2	5	0.55
(1,679)	1:88:A:GLU:HB2	1:97:A:GLN:HE21	3	0.55
(1,584)	1:29:B:LEU:HD22	1:33:B:GLU:H	5	0.55
(1,583)	1:29:A:LEU:HD23	1:33:A:GLU:H	6	0.55
(1,560)	1:94:B:PRO:HG2	1:101:B:LYS:HE2	20	0.55
(1,520)	1:42:B:LEU:HG	1:82:B:ILE:HD11	2	0.55
(1,519)	1:42:A:LEU:HG	1:82:A:ILE:HD11	2	0.55
(1,460)	1:46:B:LEU:HD22	1:82:B:ILE:HD11	8	0.55
(1,459)	1:46:A:LEU:HD22	1:82:A:ILE:HD11	8	0.55
(1,231)	1:13:A:VAL:HG23	1:84:B:MET:HA	17	0.55
(1,202)	1:34:B:LEU:H	1:34:B:LEU:HD12	15	0.55
(1,201)	1:34:A:LEU:H	1:34:A:LEU:HD12	15	0.55
(1,176)	1:70:B:VAL:HG12	1:71:B:ASP:HB3	3	0.55
(1,176)	1:70:B:VAL:HG11	1:71:B:ASP:HB3	16	0.55
(1,175)	1:70:A:VAL:HG12	1:71:A:ASP:HB3	3	0.55
(1,175)	1:70:A:VAL:HG11	1:71:A:ASP:HB3	16	0.55
(1,18)	1:39:B:THR:HB	1:40:B:ARG:HG2	6	0.55
(1,11)	1:5:A:LEU:HD22	1:42:B:LEU:HG	9	0.55
(1,8)	1:79:B:LEU:HD11	1:9:A:LEU:HD21	14	0.55
(2,47)	1:23:A:GLU:HB3	1:33:A:GLU:HB2	20	0.54
(1,4615)	1:56:A:GLN:HE22	1:60:A:SER:HA	6	0.54
(1,4615)	1:56:A:GLN:HE22	1:60:A:SER:HA	7	0.54
(1,4606)	1:73:B:GLN:H	1:29:B:LEU:HD13	14	0.54
(1,4605)	1:73:A:GLN:H	1:29:A:LEU:HD13	14	0.54
(1,4600)	1:99:B:ARG:H	1:101:B:LYS:HE3	11	0.54
(1,4599)	1:99:A:ARG:H	1:101:A:LYS:HE3	11	0.54
(1,4596)	1:88:B:GLU:H	1:94:B:PRO:HG3	14	0.54
(1,4568)	1:30:B:ASN:HD22	1:69:B:GLU:HG2	3	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4567)	1:30:A:ASN:HD22	1:69:A:GLU:HG2	3	0.54
(1,4526)	1:68:B:ASN:HD21	1:56:B:GLN:HA	16	0.54
(1,4490)	1:17:B:HIS:H	1:13:B:VAL:HG22	8	0.54
(1,4489)	1:17:A:HIS:H	1:13:A:VAL:HG22	8	0.54
(1,4428)	1:34:B:LEU:H	1:22:B:LYS:HE3	12	0.54
(1,4427)	1:34:A:LEU:H	1:22:A:LYS:HE3	12	0.54
(1,4409)	1:61:A:ASN:H	1:58:A:LEU:HD13	2	0.54
(1,4404)	1:15:B:THR:H	1:12:B:MET:HB2	9	0.54
(1,4403)	1:15:A:THR:H	1:12:A:MET:HB2	9	0.54
(1,4372)	1:95:B:ASP:H	1:91:B:GLU:HG3	9	0.54
(1,4371)	1:95:A:ASP:H	1:91:A:GLU:HG3	9	0.54
(1,4358)	1:67:B:ASP:H	1:66:B:ARG:HB2	20	0.54
(1,4357)	1:67:A:ASP:H	1:66:A:ARG:HB2	20	0.54
(1,4310)	1:22:B:LYS:H	1:17:B:HIS:HA	14	0.54
(1,4309)	1:22:A:LYS:H	1:17:A:HIS:HA	14	0.54
(1,4288)	1:45:B:PHE:H	1:82:B:ILE:HG22	16	0.54
(1,4254)	1:77:B:VAL:H	1:62:B:LEU:HB3	13	0.54
(1,4131)	1:20:A:SER:HB2	1:22:A:LYS:HG3	10	0.54
(1,4118)	1:44:B:SER:HA	1:46:B:LEU:HA	4	0.54
(1,4117)	1:44:A:SER:HA	1:46:A:LEU:HA	15	0.54
(1,4062)	1:10:B:ASP:HA	1:82:A:ILE:HB	1	0.54
(1,4061)	1:10:A:ASP:HA	1:82:B:ILE:HB	1	0.54
(1,4001)	1:69:A:GLU:HA	1:31:A:LYS:HB2	15	0.54
(1,3978)	1:29:B:LEU:HA	1:31:B:LYS:HA	18	0.54
(1,3977)	1:29:A:LEU:HA	1:31:A:LYS:HA	18	0.54
(1,3947)	1:21:A:GLY:HA3	1:22:A:LYS:HB3	1	0.54
(1,3936)	1:61:B:ASN:HB3	1:62:B:LEU:HB3	18	0.54
(1,3935)	1:61:A:ASN:HB3	1:62:A:LEU:HB3	3	0.54
(1,3886)	1:100:B:LYS:HD2	1:100:B:LYS:HE3	16	0.54
(1,3885)	1:7:A:LYS:HD3	1:7:A:LYS:HE2	5	0.54
(1,3885)	1:100:A:LYS:HD2	1:100:A:LYS:HE3	16	0.54
(1,3858)	1:7:B:LYS:HE3	1:44:A:SER:HA	7	0.54
(1,3857)	1:7:A:LYS:HE3	1:44:B:SER:HA	7	0.54
(1,3836)	1:25:B:ASP:HB3	1:69:B:GLU:HB3	15	0.54
(1,3835)	1:25:A:ASP:HB3	1:69:A:GLU:HB3	13	0.54
(1,3756)	1:70:B:VAL:HG22	1:74:B:GLU:HG3	2	0.54
(1,3756)	1:70:B:VAL:HG23	1:74:B:GLU:HG3	3	0.54
(1,3755)	1:70:A:VAL:HG22	1:74:A:GLU:HG3	2	0.54
(1,3755)	1:70:A:VAL:HG23	1:74:A:GLU:HG3	3	0.54
(1,3714)	1:69:B:GLU:HB2	1:70:B:VAL:HG23	1	0.54
(1,3714)	1:69:B:GLU:HB2	1:70:B:VAL:HG22	3	0.54
(1,3714)	1:69:B:GLU:HB2	1:70:B:VAL:HG21	16	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3713)	1:69:A:GLU:HB2	1:70:A:VAL:HG23	1	0.54
(1,3713)	1:69:A:GLU:HB2	1:70:A:VAL:HG22	3	0.54
(1,3713)	1:69:A:GLU:HB2	1:70:A:VAL:HG21	16	0.54
(1,3705)	1:23:A:GLU:HB3	1:33:A:GLU:HB2	20	0.54
(1,3636)	1:33:B:GLU:HB3	1:34:B:LEU:HB2	4	0.54
(1,3636)	1:33:B:GLU:HB3	1:34:B:LEU:HB2	14	0.54
(1,3635)	1:33:A:GLU:HB3	1:34:A:LEU:HB2	4	0.54
(1,3635)	1:33:A:GLU:HB3	1:34:A:LEU:HB2	12	0.54
(1,3635)	1:33:A:GLU:HB3	1:34:A:LEU:HB2	14	0.54
(1,3582)	1:31:B:LYS:HD3	1:59:B:MET:HG3	3	0.54
(1,3540)	1:29:B:LEU:HD23	1:22:B:LYS:H	4	0.54
(1,3540)	1:29:B:LEU:HD21	1:22:B:LYS:H	8	0.54
(1,3539)	1:29:A:LEU:HD23	1:22:A:LYS:H	4	0.54
(1,3512)	1:42:B:LEU:HD21	1:6:A:GLU:HA	8	0.54
(1,3511)	1:42:A:LEU:HD21	1:6:B:GLU:HA	8	0.54
(1,3438)	1:39:B:THR:H	1:46:B:LEU:HD11	5	0.54
(1,3438)	1:39:B:THR:H	1:46:B:LEU:HD12	7	0.54
(1,3438)	1:39:B:THR:H	1:46:B:LEU:HD12	16	0.54
(1,3437)	1:39:A:THR:H	1:46:A:LEU:HD12	7	0.54
(1,3437)	1:39:A:THR:H	1:46:A:LEU:HD12	16	0.54
(1,3391)	1:68:A:ASN:HD21	1:70:A:VAL:HG21	18	0.54
(1,3376)	1:50:B:THR:HG21	1:48:B:LYS:HB2	3	0.54
(1,3375)	1:50:A:THR:HG21	1:48:A:LYS:HB2	3	0.54
(1,3370)	1:70:B:VAL:HG13	1:28:B:LYS:HE2	7	0.54
(1,3312)	1:82:B:ILE:HD13	1:10:A:ASP:HB2	16	0.54
(1,2819)	1:40:A:ARG:H	1:46:A:LEU:HD13	10	0.54
(1,2692)	1:72:B:PHE:H	1:28:B:LYS:HG3	18	0.54
(1,2691)	1:72:A:PHE:H	1:28:A:LYS:HG3	18	0.54
(1,2645)	1:10:A:ASP:H	1:9:A:LEU:HB3	7	0.54
(1,2622)	1:55:B:PHE:H	1:50:B:THR:HG23	2	0.54
(1,2622)	1:55:B:PHE:H	1:50:B:THR:HG23	15	0.54
(1,2621)	1:55:A:PHE:H	1:50:A:THR:HG23	2	0.54
(1,2518)	1:58:B:LEU:H	1:62:B:LEU:HD11	10	0.54
(1,2518)	1:58:B:LEU:H	1:62:B:LEU:HD11	16	0.54
(1,2517)	1:58:A:LEU:H	1:62:A:LEU:HD11	10	0.54
(1,2517)	1:58:A:LEU:H	1:62:A:LEU:HD11	16	0.54
(1,2416)	1:52:B:GLU:H	1:53:B:ALA:HB1	11	0.54
(1,2416)	1:52:B:GLU:H	1:53:B:ALA:HB2	17	0.54
(1,2415)	1:52:A:GLU:H	1:53:A:ALA:HB1	9	0.54
(1,2394)	1:18:B:LYS:H	1:37:B:LEU:HD11	4	0.54
(1,2393)	1:18:A:LYS:H	1:37:A:LEU:HD11	4	0.54
(1,2393)	1:18:A:LYS:H	1:37:A:LEU:HD12	16	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2316)	1:78:B:PHE:H	1:84:A:MET:HG2	7	0.54
(1,2316)	1:78:B:PHE:H	1:84:A:MET:HG2	11	0.54
(1,2316)	1:78:B:PHE:H	1:84:A:MET:HG2	17	0.54
(1,2315)	1:78:A:PHE:H	1:84:B:MET:HG2	7	0.54
(1,2315)	1:78:A:PHE:H	1:84:B:MET:HG2	11	0.54
(1,2248)	1:8:B:ALA:H	1:43:A:PRO:HD2	10	0.54
(1,2247)	1:8:A:ALA:H	1:43:B:PRO:HD2	10	0.54
(1,2220)	1:100:B:LYS:H	1:97:B:GLN:HG3	7	0.54
(1,2219)	1:100:A:LYS:H	1:97:A:GLN:HG3	7	0.54
(1,2210)	1:30:B:ASN:H	1:33:B:GLU:HB3	19	0.54
(1,2209)	1:30:A:ASN:H	1:33:A:GLU:HB3	19	0.54
(1,2092)	1:26:B:LYS:H	1:21:B:GLY:HA3	11	0.54
(1,2091)	1:26:A:LYS:H	1:21:A:GLY:HA3	11	0.54
(1,2076)	1:50:B:THR:HB	1:35:B:LYS:HE3	14	0.54
(1,2075)	1:50:A:THR:HB	1:35:A:LYS:HE3	14	0.54
(1,2074)	1:15:B:THR:HA	1:5:A:LEU:HD21	11	0.54
(1,2074)	1:15:B:THR:HA	1:5:A:LEU:HD23	13	0.54
(1,2040)	1:43:B:PRO:HA	1:46:B:LEU:HD12	7	0.54
(1,2040)	1:43:B:PRO:HA	1:46:B:LEU:HD12	16	0.54
(1,2039)	1:43:A:PRO:HA	1:46:A:LEU:HD13	4	0.54
(1,2039)	1:43:A:PRO:HA	1:46:A:LEU:HD12	7	0.54
(1,2039)	1:43:A:PRO:HA	1:46:A:LEU:HD12	16	0.54
(1,1994)	1:60:B:SER:HB2	1:61:B:ASN:HB3	10	0.54
(1,1991)	1:60:A:SER:HB2	1:66:A:ARG:HD3	13	0.54
(1,1762)	1:61:B:ASN:HB3	1:58:B:LEU:HA	3	0.54
(1,1762)	1:61:B:ASN:HB3	1:58:B:LEU:HA	18	0.54
(1,1761)	1:61:A:ASN:HB3	1:58:A:LEU:HA	3	0.54
(1,1761)	1:61:A:ASN:HB3	1:58:A:LEU:HA	9	0.54
(1,1761)	1:61:A:ASN:HB3	1:58:A:LEU:HA	18	0.54
(1,1580)	1:29:B:LEU:HD11	1:29:B:LEU:HA	7	0.54
(1,1580)	1:29:B:LEU:HD11	1:29:B:LEU:HA	9	0.54
(1,1580)	1:29:B:LEU:HD11	1:29:B:LEU:HA	20	0.54
(1,1579)	1:29:A:LEU:HD11	1:29:A:LEU:HA	7	0.54
(1,1579)	1:29:A:LEU:HD11	1:29:A:LEU:HA	9	0.54
(1,1579)	1:29:A:LEU:HD11	1:29:A:LEU:HA	20	0.54
(1,1472)	1:42:B:LEU:HB3	1:38:B:LEU:H	5	0.54
(1,1471)	1:42:A:LEU:HB3	1:38:A:LEU:H	5	0.54
(1,1252)	1:63:B:ASP:HB2	1:60:B:SER:HA	1	0.54
(1,1197)	1:87:A:ASN:HB2	1:76:B:SER:HB2	2	0.54
(1,1142)	1:65:B:ASN:HB2	1:98:A:PRO:HB2	5	0.54
(1,1082)	1:33:B:GLU:HG3	1:29:B:LEU:HB2	13	0.54
(1,1081)	1:33:A:GLU:HG3	1:29:A:LEU:HB2	13	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1075)	1:31:A:LYS:HD3	1:52:A:GLU:HG2	10	0.54
(1,920)	1:48:B:LYS:HB2	1:48:B:LYS:HE3	17	0.54
(1,919)	1:48:A:LYS:HB2	1:48:A:LYS:HE3	17	0.54
(1,918)	1:85:B:MET:HG3	1:84:B:MET:HG3	9	0.54
(1,917)	1:85:A:MET:HG3	1:84:A:MET:HG3	9	0.54
(1,742)	1:36:B:GLU:HB2	1:39:B:THR:HG23	14	0.54
(1,741)	1:36:A:GLU:HB2	1:39:A:THR:HG22	10	0.54
(1,698)	1:96:B:LYS:HD2	1:97:B:GLN:HG2	10	0.54
(1,697)	1:96:A:LYS:HD2	1:97:A:GLN:HG2	10	0.54
(1,680)	1:88:B:GLU:HB2	1:97:B:GLN:HE21	3	0.54
(1,614)	1:29:B:LEU:HD22	1:22:B:LYS:HD3	11	0.54
(1,613)	1:29:A:LEU:HD22	1:22:A:LYS:HD3	11	0.54
(1,599)	1:37:A:LEU:HD11	1:34:A:LEU:HA	10	0.54
(1,584)	1:29:B:LEU:HD22	1:33:B:GLU:H	10	0.54
(1,583)	1:29:A:LEU:HD22	1:33:A:GLU:H	5	0.54
(1,583)	1:29:A:LEU:HD22	1:33:A:GLU:H	10	0.54
(1,559)	1:94:A:PRO:HG2	1:101:A:LYS:HE2	20	0.54
(1,502)	1:42:B:LEU:HD11	1:42:B:LEU:HA	8	0.54
(1,501)	1:42:A:LEU:HD11	1:42:A:LEU:HA	8	0.54
(1,434)	1:5:B:LEU:HD22	1:6:B:GLU:HG3	13	0.54
(1,433)	1:5:A:LEU:HD22	1:6:A:GLU:HG3	13	0.54
(1,416)	1:46:B:LEU:HD21	1:62:B:LEU:HD11	9	0.54
(1,415)	1:46:A:LEU:HD21	1:62:A:LEU:HD11	9	0.54
(1,262)	1:38:B:LEU:HD13	1:45:B:PHE:HA	9	0.54
(1,261)	1:38:A:LEU:HD13	1:45:A:PHE:HA	9	0.54
(1,238)	1:77:B:VAL:HG21	1:73:B:GLN:HG3	9	0.54
(1,237)	1:77:A:VAL:HG21	1:73:A:GLN:HG3	9	0.54
(1,232)	1:13:B:VAL:HG22	1:84:A:MET:HA	12	0.54
(1,231)	1:13:A:VAL:HG22	1:84:B:MET:HA	13	0.54
(1,202)	1:34:B:LEU:H	1:34:B:LEU:HD13	10	0.54
(1,201)	1:34:A:LEU:H	1:34:A:LEU:HD12	5	0.54
(1,201)	1:34:A:LEU:H	1:34:A:LEU:HD13	10	0.54
(1,124)	1:2:B:ALA:HB3	1:5:B:LEU:HD13	8	0.54
(1,123)	1:2:A:ALA:HB3	1:5:A:LEU:HD13	8	0.54
(1,7)	1:79:A:LEU:HD11	1:9:B:LEU:HD21	14	0.54
(2,276)	1:20:B:SER:H	1:29:B:LEU:HB2	3	0.53
(2,275)	1:20:A:SER:H	1:29:A:LEU:HB2	3	0.53
(2,196)	1:22:B:LYS:H	1:19:B:TYR:HB2	20	0.53
(2,195)	1:22:A:LYS:H	1:19:A:TYR:HB2	20	0.53
(2,170)	1:70:B:VAL:H	1:30:B:ASN:HB2	6	0.53
(2,169)	1:70:A:VAL:H	1:30:A:ASN:HB2	6	0.53
(1,4599)	1:99:A:ARG:H	1:101:A:LYS:HE3	10	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4595)	1:88:A:GLU:H	1:94:A:PRO:HG3	14	0.53
(1,4560)	1:73:B:GLN:HE21	1:78:B:PHE:HB2	12	0.53
(1,4560)	1:73:B:GLN:HE21	1:78:B:PHE:HB2	20	0.53
(1,4559)	1:73:A:GLN:HE21	1:78:A:PHE:HB2	7	0.53
(1,4559)	1:73:A:GLN:HE21	1:78:A:PHE:HB2	12	0.53
(1,4559)	1:73:A:GLN:HE21	1:78:A:PHE:HB2	20	0.53
(1,4526)	1:68:B:ASN:HD21	1:56:B:GLN:HA	12	0.53
(1,4525)	1:68:A:ASN:HD21	1:56:A:GLN:HA	16	0.53
(1,4510)	1:32:B:SER:H	1:34:B:LEU:HD22	4	0.53
(1,4510)	1:32:B:SER:H	1:34:B:LEU:HD23	12	0.53
(1,4509)	1:32:A:SER:H	1:34:A:LEU:HD22	4	0.53
(1,4509)	1:32:A:SER:H	1:34:A:LEU:HD23	12	0.53
(1,4490)	1:17:B:HIS:H	1:13:B:VAL:HG23	10	0.53
(1,4490)	1:17:B:HIS:H	1:13:B:VAL:HG23	17	0.53
(1,4490)	1:17:B:HIS:H	1:13:B:VAL:HG21	19	0.53
(1,4489)	1:17:A:HIS:H	1:13:A:VAL:HG23	17	0.53
(1,4489)	1:17:A:HIS:H	1:13:A:VAL:HG21	19	0.53
(1,4458)	1:68:B:ASN:H	1:66:B:ARG:HB2	5	0.53
(1,4458)	1:68:B:ASN:H	1:66:B:ARG:HB2	18	0.53
(1,4457)	1:68:A:ASN:H	1:66:A:ARG:HB2	9	0.53
(1,4457)	1:68:A:ASN:H	1:66:A:ARG:HB2	18	0.53
(1,4404)	1:15:B:THR:H	1:12:B:MET:HB2	7	0.53
(1,4404)	1:15:B:THR:H	1:12:B:MET:HB2	12	0.53
(1,4403)	1:15:A:THR:H	1:12:A:MET:HB2	12	0.53
(1,4400)	1:72:B:PHE:H	1:13:B:VAL:HG12	12	0.53
(1,4372)	1:95:B:ASP:H	1:91:B:GLU:HG3	15	0.53
(1,4371)	1:95:A:ASP:H	1:91:A:GLU:HG3	1	0.53
(1,4371)	1:95:A:ASP:H	1:91:A:GLU:HG3	15	0.53
(1,4346)	1:16:B:PHE:H	1:2:A:ALA:HB3	6	0.53
(1,4345)	1:16:A:PHE:H	1:2:B:ALA:HB3	6	0.53
(1,4288)	1:45:B:PHE:H	1:82:B:ILE:HG21	17	0.53
(1,4288)	1:45:B:PHE:H	1:82:B:ILE:HG22	19	0.53
(1,4287)	1:45:A:PHE:H	1:82:A:ILE:HG21	17	0.53
(1,4215)	1:71:A:ASP:H	1:73:A:GLN:HE21	3	0.53
(1,4178)	1:32:B:SER:HB2	1:31:B:LYS:HG3	2	0.53
(1,4178)	1:32:B:SER:HB2	1:31:B:LYS:HG3	10	0.53
(1,4177)	1:32:A:SER:HB2	1:31:A:LYS:HG3	2	0.53
(1,4177)	1:32:A:SER:HB2	1:31:A:LYS:HG3	10	0.53
(1,4164)	1:14:B:SER:HB3	1:18:B:LYS:HD3	4	0.53
(1,4117)	1:44:A:SER:HA	1:46:A:LEU:HA	4	0.53
(1,4110)	1:2:B:ALA:HB3	1:6:B:GLU:HA	9	0.53
(1,4109)	1:2:A:ALA:HB3	1:6:A:GLU:HA	9	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4084)	1:74:B:GLU:HA	1:78:B:PHE:HA	8	0.53
(1,4083)	1:74:A:GLU:HA	1:78:A:PHE:HA	8	0.53
(1,4008)	1:69:B:GLU:HG2	1:28:B:LYS:HA	9	0.53
(1,4007)	1:69:A:GLU:HG2	1:28:A:LYS:HA	9	0.53
(1,3976)	1:42:B:LEU:HA	1:40:B:ARG:H	2	0.53
(1,3975)	1:42:A:LEU:HA	1:40:A:ARG:H	2	0.53
(1,3971)	1:2:A:ALA:HA	1:11:B:VAL:HG11	13	0.53
(1,3944)	1:42:B:LEU:HB3	1:79:B:LEU:HD21	6	0.53
(1,3944)	1:42:B:LEU:HB3	1:79:B:LEU:HD23	12	0.53
(1,3943)	1:42:A:LEU:HB3	1:79:A:LEU:HD21	6	0.53
(1,3943)	1:42:A:LEU:HB3	1:79:A:LEU:HD23	12	0.53
(1,3936)	1:61:B:ASN:HB3	1:62:B:LEU:HB3	3	0.53
(1,3936)	1:61:B:ASN:HB3	1:62:B:LEU:HB3	17	0.53
(1,3935)	1:61:A:ASN:HB3	1:62:A:LEU:HB3	17	0.53
(1,3886)	1:7:B:LYS:HD3	1:7:B:LYS:HE2	13	0.53
(1,3885)	1:7:A:LYS:HD3	1:7:A:LYS:HE2	13	0.53
(1,3860)	1:31:B:LYS:HE2	1:53:B:ALA:HA	2	0.53
(1,3859)	1:31:A:LYS:HE2	1:53:A:ALA:HA	2	0.53
(1,3858)	1:7:B:LYS:HE3	1:44:A:SER:HA	3	0.53
(1,3836)	1:25:B:ASP:HB3	1:69:B:GLU:HB3	3	0.53
(1,3835)	1:25:A:ASP:HB3	1:69:A:GLU:HB3	3	0.53
(1,3804)	1:16:B:PHE:HB2	1:79:B:LEU:HG	5	0.53
(1,3803)	1:16:A:PHE:HB2	1:79:A:LEU:HG	5	0.53
(1,3676)	1:59:B:MET:HG2	1:31:B:LYS:HB2	5	0.53
(1,3675)	1:59:A:MET:HG2	1:31:A:LYS:HB2	5	0.53
(1,3636)	1:33:B:GLU:HB3	1:34:B:LEU:HB2	12	0.53
(1,3636)	1:33:B:GLU:HB3	1:34:B:LEU:HB2	20	0.53
(1,3635)	1:33:A:GLU:HB3	1:34:A:LEU:HB2	20	0.53
(1,3596)	1:11:B:VAL:HG23	1:7:B:LYS:HD3	12	0.53
(1,3576)	1:88:B:GLU:HB2	1:90:B:PHE:HB3	15	0.53
(1,3575)	1:88:A:GLU:HB2	1:90:A:PHE:HB3	15	0.53
(1,3542)	1:37:B:LEU:HD12	1:17:B:HIS:HA	10	0.53
(1,3541)	1:37:A:LEU:HD12	1:17:A:HIS:HA	10	0.53
(1,3539)	1:29:A:LEU:HD21	1:22:A:LYS:H	8	0.53
(1,3539)	1:29:A:LEU:HD21	1:22:A:LYS:H	9	0.53
(1,3512)	1:42:B:LEU:HD21	1:6:A:GLU:HA	4	0.53
(1,3512)	1:42:B:LEU:HD23	1:6:A:GLU:HA	15	0.53
(1,3512)	1:42:B:LEU:HD22	1:6:A:GLU:HA	20	0.53
(1,3511)	1:42:A:LEU:HD21	1:6:B:GLU:HA	4	0.53
(1,3511)	1:42:A:LEU:HD22	1:6:B:GLU:HA	11	0.53
(1,3511)	1:42:A:LEU:HD23	1:6:B:GLU:HA	15	0.53
(1,3438)	1:39:B:THR:H	1:46:B:LEU:HD13	3	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3437)	1:39:A:THR:H	1:46:A:LEU:HD11	5	0.53
(1,3404)	1:77:B:VAL:HG21	1:62:B:LEU:HB3	10	0.53
(1,3403)	1:77:A:VAL:HG21	1:62:A:LEU:HB3	10	0.53
(1,3394)	1:77:B:VAL:HG21	1:74:B:GLU:HA	8	0.53
(1,3393)	1:77:A:VAL:HG21	1:74:A:GLU:HA	8	0.53
(1,3392)	1:68:B:ASN:HD21	1:70:B:VAL:HG22	4	0.53
(1,3369)	1:70:A:VAL:HG13	1:28:A:LYS:HE2	7	0.53
(1,3304)	1:9:B:LEU:HD11	1:15:A:THR:HB	1	0.53
(1,3304)	1:9:B:LEU:HD12	1:15:A:THR:HB	19	0.53
(1,3303)	1:9:A:LEU:HD11	1:15:B:THR:HB	1	0.53
(1,3303)	1:9:A:LEU:HD12	1:15:B:THR:HB	19	0.53
(1,3264)	1:81:B:SER:H	1:82:B:ILE:HD12	18	0.53
(1,3263)	1:81:A:SER:H	1:82:A:ILE:HD12	18	0.53
(1,3122)	1:73:B:GLN:HE22	1:73:B:GLN:HA	1	0.53
(1,3048)	1:97:B:GLN:HE22	1:96:B:LYS:H	12	0.53
(1,3047)	1:97:A:GLN:HE22	1:96:A:LYS:H	12	0.53
(1,3046)	1:41:B:GLU:H	1:29:B:LEU:HD13	12	0.53
(1,3045)	1:41:A:GLU:H	1:29:A:LEU:HD13	12	0.53
(1,2818)	1:40:B:ARG:H	1:39:B:THR:HG21	13	0.53
(1,2818)	1:40:B:ARG:H	1:39:B:THR:HG23	19	0.53
(1,2817)	1:40:A:ARG:H	1:39:A:THR:HG21	13	0.53
(1,2817)	1:40:A:ARG:H	1:39:A:THR:HG23	19	0.53
(1,2646)	1:10:B:ASP:H	1:9:B:LEU:HB3	7	0.53
(1,2622)	1:55:B:PHE:H	1:50:B:THR:HG22	3	0.53
(1,2622)	1:55:B:PHE:H	1:50:B:THR:HG22	16	0.53
(1,2621)	1:55:A:PHE:H	1:50:A:THR:HG22	3	0.53
(1,2621)	1:55:A:PHE:H	1:50:A:THR:HG23	15	0.53
(1,2621)	1:55:A:PHE:H	1:50:A:THR:HG22	16	0.53
(1,2416)	1:52:B:GLU:H	1:53:B:ALA:HB1	9	0.53
(1,2415)	1:52:A:GLU:H	1:53:A:ALA:HB2	17	0.53
(1,2394)	1:18:B:LYS:H	1:37:B:LEU:HD12	16	0.53
(1,2356)	1:54:B:ALA:H	1:46:B:LEU:HD13	13	0.53
(1,2315)	1:78:A:PHE:H	1:84:B:MET:HG2	17	0.53
(1,2248)	1:8:B:ALA:H	1:43:A:PRO:HD2	2	0.53
(1,2248)	1:8:B:ALA:H	1:43:A:PRO:HD2	4	0.53
(1,2164)	1:70:B:VAL:H	1:29:B:LEU:HB3	1	0.53
(1,2163)	1:70:A:VAL:H	1:29:A:LEU:HB3	1	0.53
(1,2036)	1:43:B:PRO:HA	1:7:A:LYS:HD2	14	0.53
(1,2035)	1:43:A:PRO:HA	1:7:B:LYS:HD2	14	0.53
(1,1976)	1:14:B:SER:HB2	1:18:B:LYS:HE2	6	0.53
(1,1922)	1:86:B:SER:HA	1:13:A:VAL:HG21	1	0.53
(1,1922)	1:86:B:SER:HA	1:13:A:VAL:HG23	3	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1922)	1:86:B:SER:HA	1:13:A:VAL:HG23	13	0.53
(1,1922)	1:86:B:SER:HA	1:13:A:VAL:HG23	20	0.53
(1,1921)	1:86:A:SER:HA	1:13:B:VAL:HG21	1	0.53
(1,1921)	1:86:A:SER:HA	1:13:B:VAL:HG23	13	0.53
(1,1921)	1:86:A:SER:HA	1:13:B:VAL:HG23	20	0.53
(1,1580)	1:29:B:LEU:HD13	1:29:B:LEU:HA	1	0.53
(1,1580)	1:29:B:LEU:HD13	1:29:B:LEU:HA	6	0.53
(1,1580)	1:29:B:LEU:HD13	1:29:B:LEU:HA	12	0.53
(1,1579)	1:29:A:LEU:HD13	1:29:A:LEU:HA	1	0.53
(1,1579)	1:29:A:LEU:HD13	1:29:A:LEU:HA	6	0.53
(1,1579)	1:29:A:LEU:HD13	1:29:A:LEU:HA	12	0.53
(1,1480)	1:42:B:LEU:HB2	1:45:B:PHE:HA	6	0.53
(1,1479)	1:42:A:LEU:HB2	1:45:A:PHE:HA	6	0.53
(1,1452)	1:29:B:LEU:HB2	1:37:B:LEU:HB3	8	0.53
(1,1451)	1:29:A:LEU:HB2	1:37:A:LEU:HB3	8	0.53
(1,1448)	1:29:B:LEU:HB2	1:33:B:GLU:HB3	2	0.53
(1,1447)	1:29:A:LEU:HB2	1:33:A:GLU:HB3	2	0.53
(1,1368)	1:18:B:LYS:HE2	1:11:B:VAL:HG11	7	0.53
(1,1367)	1:18:A:LYS:HE2	1:11:A:VAL:HG11	7	0.53
(1,1338)	1:71:B:ASP:HB2	1:75:B:TYR:HB2	17	0.53
(1,1337)	1:71:A:ASP:HB2	1:75:A:TYR:HB3	1	0.53
(1,1337)	1:71:A:ASP:HB2	1:75:A:TYR:HB2	17	0.53
(1,1251)	1:63:A:ASP:HB2	1:60:A:SER:HA	1	0.53
(1,1251)	1:63:A:ASP:HB2	1:60:A:SER:HA	19	0.53
(1,1203)	1:87:A:ASN:HB3	1:73:B:GLN:HG2	9	0.53
(1,1141)	1:65:A:ASN:HB2	1:98:B:PRO:HB2	5	0.53
(1,1076)	1:31:B:LYS:HD3	1:52:B:GLU:HG2	10	0.53
(1,742)	1:36:B:GLU:HB2	1:39:B:THR:HG22	10	0.53
(1,741)	1:36:A:GLU:HB2	1:39:A:THR:HG23	14	0.53
(1,636)	1:43:B:PRO:HG2	1:45:B:PHE:H	14	0.53
(1,600)	1:37:B:LEU:HD11	1:34:B:LEU:HA	1	0.53
(1,600)	1:37:B:LEU:HD11	1:34:B:LEU:HA	10	0.53
(1,599)	1:37:A:LEU:HD11	1:34:A:LEU:HA	1	0.53
(1,556)	1:95:B:ASP:H	1:99:B:ARG:HG2	14	0.53
(1,555)	1:95:A:ASP:H	1:99:A:ARG:HG2	14	0.53
(1,232)	1:13:B:VAL:HG22	1:84:A:MET:HA	13	0.53
(1,232)	1:13:B:VAL:HG23	1:84:A:MET:HA	17	0.53
(1,232)	1:13:B:VAL:HG22	1:84:A:MET:HA	20	0.53
(1,231)	1:13:A:VAL:HG22	1:84:B:MET:HA	20	0.53
(1,202)	1:34:B:LEU:H	1:34:B:LEU:HD12	5	0.53
(1,172)	1:50:B:THR:HG23	1:48:B:LYS:HA	5	0.53
(1,171)	1:50:A:THR:HG23	1:48:A:LYS:HA	5	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,171)	1:50:A:THR:HG23	1:48:A:LYS:HA	7	0.53
(1,171)	1:50:A:THR:HG23	1:48:A:LYS:HA	8	0.53
(1,124)	1:2:B:ALA:HB1	1:5:B:LEU:HD13	10	0.53
(1,123)	1:2:A:ALA:HB1	1:5:A:LEU:HD13	10	0.53
(1,76)	1:53:B:ALA:HB1	1:51:B:ASP:HA	11	0.53
(1,75)	1:53:A:ALA:HB1	1:51:A:ASP:HA	11	0.53
(1,18)	1:39:B:THR:HB	1:40:B:ARG:HG2	1	0.53
(1,18)	1:39:B:THR:HB	1:40:B:ARG:HG2	3	0.53
(1,18)	1:39:B:THR:HB	1:40:B:ARG:HG2	8	0.53
(1,18)	1:39:B:THR:HB	1:40:B:ARG:HG2	14	0.53
(1,17)	1:39:A:THR:HB	1:40:A:ARG:HG2	1	0.53
(1,17)	1:39:A:THR:HB	1:40:A:ARG:HG2	3	0.53
(1,17)	1:39:A:THR:HB	1:40:A:ARG:HG2	8	0.53
(1,17)	1:39:A:THR:HB	1:40:A:ARG:HG2	14	0.53
(1,8)	1:79:B:LEU:HD13	1:9:A:LEU:HD21	5	0.53
(1,7)	1:79:A:LEU:HD13	1:9:B:LEU:HD21	5	0.53
(1,7)	1:79:A:LEU:HD11	1:9:B:LEU:HD22	18	0.53
(2,294)	1:21:B:GLY:H	1:26:B:LYS:HB3	3	0.52
(2,287)	1:50:A:THR:H	1:48:A:LYS:HB2	6	0.52
(1,4616)	1:56:B:GLN:HE22	1:60:B:SER:HA	14	0.52
(1,4615)	1:56:A:GLN:HE22	1:60:A:SER:HA	14	0.52
(1,4600)	1:99:B:ARG:H	1:101:B:LYS:HE3	10	0.52
(1,4568)	1:30:B:ASN:HD22	1:69:B:GLU:HG2	1	0.52
(1,4567)	1:30:A:ASN:HD22	1:69:A:GLU:HG2	1	0.52
(1,4560)	1:73:B:GLN:HE21	1:78:B:PHE:HB2	7	0.52
(1,4560)	1:73:B:GLN:HE21	1:78:B:PHE:HB2	10	0.52
(1,4559)	1:73:A:GLN:HE21	1:78:A:PHE:HB2	10	0.52
(1,4525)	1:68:A:ASN:HD21	1:56:A:GLN:HA	12	0.52
(1,4516)	1:20:B:SER:H	1:18:B:LYS:HB3	17	0.52
(1,4515)	1:20:A:SER:H	1:18:A:LYS:HB3	17	0.52
(1,4509)	1:32:A:SER:H	1:34:A:LEU:HD23	17	0.52
(1,4489)	1:17:A:HIS:H	1:13:A:VAL:HG23	10	0.52
(1,4478)	1:86:B:SER:H	1:13:A:VAL:HG11	5	0.52
(1,4464)	1:31:B:LYS:H	1:34:B:LEU:HD21	20	0.52
(1,4463)	1:31:A:LYS:H	1:34:A:LEU:HD21	20	0.52
(1,4462)	1:31:B:LYS:H	1:59:B:MET:HG3	12	0.52
(1,4458)	1:68:B:ASN:H	1:66:B:ARG:HB2	9	0.52
(1,4458)	1:68:B:ASN:H	1:66:B:ARG:HB2	13	0.52
(1,4457)	1:68:A:ASN:H	1:66:A:ARG:HB2	5	0.52
(1,4457)	1:68:A:ASN:H	1:66:A:ARG:HB2	13	0.52
(1,4438)	1:38:B:LEU:H	1:39:B:THR:HG23	6	0.52
(1,4437)	1:38:A:LEU:H	1:39:A:THR:HG23	6	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4434)	1:38:B:LEU:H	1:55:B:PHE:HB3	14	0.52
(1,4433)	1:38:A:LEU:H	1:55:A:PHE:HB3	14	0.52
(1,4410)	1:61:B:ASN:H	1:58:B:LEU:HD11	19	0.52
(1,4409)	1:61:A:ASN:H	1:58:A:LEU:HD11	19	0.52
(1,4404)	1:15:B:THR:H	1:12:B:MET:HB2	16	0.52
(1,4403)	1:15:A:THR:H	1:12:A:MET:HB2	7	0.52
(1,4403)	1:15:A:THR:H	1:12:A:MET:HB2	16	0.52
(1,4399)	1:72:A:PHE:H	1:13:A:VAL:HG12	12	0.52
(1,4388)	1:76:B:SER:H	1:13:B:VAL:HG12	19	0.52
(1,4387)	1:76:A:SER:H	1:13:A:VAL:HG12	19	0.52
(1,4383)	1:76:A:SER:H	1:83:B:ALA:HB1	10	0.52
(1,4372)	1:95:B:ASP:H	1:91:B:GLU:HG3	1	0.52
(1,4372)	1:95:B:ASP:H	1:94:B:PRO:HB3	14	0.52
(1,4371)	1:95:A:ASP:H	1:94:A:PRO:HB3	14	0.52
(1,4369)	1:95:A:ASP:H	1:27:B:PHE:HB2	15	0.52
(1,4366)	1:9:B:LEU:H	1:79:A:LEU:HD12	4	0.52
(1,4355)	1:79:A:LEU:H	1:82:A:ILE:HG13	1	0.52
(1,4310)	1:22:B:LYS:H	1:17:B:HIS:HA	8	0.52
(1,4309)	1:22:A:LYS:H	1:17:A:HIS:HA	8	0.52
(1,4295)	1:64:A:SER:H	1:63:A:ASP:H	12	0.52
(1,4287)	1:45:A:PHE:H	1:82:A:ILE:HG22	19	0.52
(1,4216)	1:71:B:ASP:H	1:73:B:GLN:HE21	3	0.52
(1,4202)	1:39:B:THR:HB	1:36:B:GLU:HG2	14	0.52
(1,4194)	1:77:B:VAL:HA	1:83:A:ALA:HB2	19	0.52
(1,4168)	1:76:B:SER:HB3	1:79:B:LEU:HB3	8	0.52
(1,4167)	1:76:A:SER:HB3	1:79:A:LEU:HB3	8	0.52
(1,4166)	1:76:B:SER:HA	1:83:A:ALA:HB2	15	0.52
(1,4165)	1:76:A:SER:HA	1:83:B:ALA:HB2	15	0.52
(1,4118)	1:44:B:SER:HA	1:46:B:LEU:HA	7	0.52
(1,4118)	1:44:B:SER:HA	1:46:B:LEU:HA	13	0.52
(1,4117)	1:44:A:SER:HA	1:46:A:LEU:HA	7	0.52
(1,4117)	1:44:A:SER:HA	1:46:A:LEU:HA	13	0.52
(1,4084)	1:74:B:GLU:HA	1:78:B:PHE:HA	1	0.52
(1,4083)	1:74:A:GLU:HA	1:78:A:PHE:HA	1	0.52
(1,4074)	1:40:B:ARG:HA	1:41:B:GLU:HB3	9	0.52
(1,4074)	1:40:B:ARG:HA	1:41:B:GLU:HB3	18	0.52
(1,4073)	1:40:A:ARG:HA	1:41:A:GLU:HB3	9	0.52
(1,4073)	1:40:A:ARG:HA	1:41:A:GLU:HB3	18	0.52
(1,4002)	1:69:B:GLU:HA	1:31:B:LYS:HB2	15	0.52
(1,3978)	1:29:B:LEU:HA	1:31:B:LYS:HA	3	0.52
(1,3977)	1:29:A:LEU:HA	1:31:A:LYS:HA	3	0.52
(1,3936)	1:61:B:ASN:HB3	1:62:B:LEU:HB3	5	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3936)	1:61:B:ASN:HB3	1:62:B:LEU:HB3	20	0.52
(1,3935)	1:61:A:ASN:HB3	1:62:A:LEU:HB3	5	0.52
(1,3935)	1:61:A:ASN:HB3	1:62:A:LEU:HB3	20	0.52
(1,3888)	1:7:B:LYS:HE2	1:11:B:VAL:HG22	18	0.52
(1,3887)	1:7:A:LYS:HE2	1:11:A:VAL:HG22	18	0.52
(1,3886)	1:7:B:LYS:HD3	1:7:B:LYS:HE2	6	0.52
(1,3886)	1:7:B:LYS:HD3	1:7:B:LYS:HE2	8	0.52
(1,3885)	1:7:A:LYS:HD3	1:7:A:LYS:HE2	6	0.52
(1,3885)	1:7:A:LYS:HD3	1:7:A:LYS:HE2	8	0.52
(1,3857)	1:7:A:LYS:HE3	1:44:B:SER:HA	3	0.52
(1,3792)	1:61:B:ASN:HB3	1:81:B:SER:HB2	5	0.52
(1,3792)	1:61:B:ASN:HB3	1:81:B:SER:HB2	10	0.52
(1,3791)	1:61:A:ASN:HB3	1:81:A:SER:HB2	5	0.52
(1,3791)	1:61:A:ASN:HB3	1:81:A:SER:HB3	10	0.52
(1,3772)	1:85:B:MET:HG2	1:87:B:ASN:HB3	4	0.52
(1,3771)	1:85:A:MET:HG2	1:87:A:ASN:HB3	4	0.52
(1,3756)	1:70:B:VAL:HG22	1:74:B:GLU:HG3	8	0.52
(1,3713)	1:69:A:GLU:HB2	1:70:A:VAL:HG21	18	0.52
(1,3595)	1:11:A:VAL:HG23	1:7:A:LYS:HD3	12	0.52
(1,3540)	1:29:B:LEU:HD21	1:22:B:LYS:H	9	0.52
(1,3512)	1:42:B:LEU:HD22	1:6:A:GLU:HA	11	0.52
(1,3511)	1:42:A:LEU:HD22	1:6:B:GLU:HA	20	0.52
(1,3494)	1:79:B:LEU:HD21	1:15:B:THR:HB	11	0.52
(1,3493)	1:79:A:LEU:HD21	1:15:A:THR:HB	11	0.52
(1,3438)	1:39:B:THR:H	1:46:B:LEU:HD13	15	0.52
(1,3438)	1:39:B:THR:H	1:46:B:LEU:HD11	20	0.52
(1,3437)	1:39:A:THR:H	1:46:A:LEU:HD13	3	0.52
(1,3437)	1:39:A:THR:H	1:46:A:LEU:HD13	15	0.52
(1,3437)	1:39:A:THR:H	1:46:A:LEU:HD11	20	0.52
(1,3434)	1:38:B:LEU:HD11	1:41:B:GLU:HB3	18	0.52
(1,3433)	1:38:A:LEU:HD11	1:41:A:GLU:HB3	18	0.52
(1,3392)	1:68:B:ASN:HD21	1:70:B:VAL:HG21	16	0.52
(1,3391)	1:68:A:ASN:HD21	1:70:A:VAL:HG22	4	0.52
(1,3391)	1:68:A:ASN:HD21	1:70:A:VAL:HG21	16	0.52
(1,3352)	1:13:B:VAL:HG13	1:90:A:PHE:H	20	0.52
(1,3351)	1:13:A:VAL:HG13	1:90:B:PHE:H	20	0.52
(1,3344)	1:77:B:VAL:HG11	1:84:A:MET:HG2	13	0.52
(1,3121)	1:73:A:GLN:HE22	1:73:A:GLN:HA	1	0.52
(1,3086)	1:65:B:ASN:HD22	1:98:A:PRO:HG3	7	0.52
(1,3085)	1:65:A:ASN:HD22	1:98:B:PRO:HG3	7	0.52
(1,3046)	1:41:B:GLU:H	1:29:B:LEU:HD11	10	0.52
(1,2820)	1:40:B:ARG:H	1:46:B:LEU:HD12	14	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2819)	1:40:A:ARG:H	1:46:A:LEU:HD12	14	0.52
(1,2622)	1:55:B:PHE:H	1:50:B:THR:HG23	13	0.52
(1,2621)	1:55:A:PHE:H	1:50:A:THR:HG23	13	0.52
(1,2522)	1:57:B:LYS:H	1:56:B:GLN:HG3	16	0.52
(1,2521)	1:57:A:LYS:H	1:56:A:GLN:HG3	16	0.52
(1,2415)	1:52:A:GLU:H	1:53:A:ALA:HB1	7	0.52
(1,2415)	1:52:A:GLU:H	1:53:A:ALA:HB1	11	0.52
(1,2415)	1:52:A:GLU:H	1:53:A:ALA:HB3	15	0.52
(1,2394)	1:18:B:LYS:H	1:37:B:LEU:HD11	11	0.52
(1,2393)	1:18:A:LYS:H	1:37:A:LEU:HD11	11	0.52
(1,2355)	1:54:A:ALA:H	1:46:A:LEU:HD13	13	0.52
(1,2316)	1:78:B:PHE:H	1:84:A:MET:HG2	10	0.52
(1,2315)	1:78:A:PHE:H	1:84:B:MET:HG2	10	0.52
(1,2247)	1:8:A:ALA:H	1:43:B:PRO:HD2	2	0.52
(1,2247)	1:8:A:ALA:H	1:43:B:PRO:HD2	4	0.52
(1,2194)	1:12:B:MET:H	1:79:B:LEU:HD13	2	0.52
(1,2083)	1:39:A:THR:HB	1:43:A:PRO:HD3	6	0.52
(1,2074)	1:15:B:THR:HA	1:5:A:LEU:HD23	16	0.52
(1,2074)	1:15:B:THR:HA	1:5:A:LEU:HD23	20	0.52
(1,2073)	1:15:A:THR:HA	1:5:B:LEU:HD23	16	0.52
(1,2073)	1:15:A:THR:HA	1:5:B:LEU:HD23	20	0.52
(1,2036)	1:43:B:PRO:HA	1:7:A:LYS:HD2	9	0.52
(1,1975)	1:14:A:SER:HB2	1:18:A:LYS:HE2	6	0.52
(1,1932)	1:32:B:SER:HA	1:31:B:LYS:HD2	2	0.52
(1,1931)	1:32:A:SER:HA	1:31:A:LYS:HD2	2	0.52
(1,1922)	1:86:B:SER:HA	1:13:A:VAL:HG22	14	0.52
(1,1921)	1:86:A:SER:HA	1:13:B:VAL:HG23	3	0.52
(1,1904)	1:20:B:SER:HB2	1:19:B:TYR:H	10	0.52
(1,1876)	1:82:B:ILE:HG22	1:45:B:PHE:HA	12	0.52
(1,1762)	1:61:B:ASN:HB3	1:58:B:LEU:HA	2	0.52
(1,1761)	1:61:A:ASN:HB3	1:58:A:LEU:HA	2	0.52
(1,1747)	1:88:A:GLU:HB3	1:85:A:MET:HA	9	0.52
(1,1580)	1:29:B:LEU:HD11	1:29:B:LEU:HA	10	0.52
(1,1580)	1:29:B:LEU:HD12	1:29:B:LEU:HA	15	0.52
(1,1579)	1:29:A:LEU:HD11	1:29:A:LEU:HA	10	0.52
(1,1579)	1:29:A:LEU:HD12	1:29:A:LEU:HA	15	0.52
(1,1486)	1:42:B:LEU:HB3	1:41:B:GLU:HB3	6	0.52
(1,1486)	1:42:B:LEU:HB3	1:41:B:GLU:HB3	13	0.52
(1,1485)	1:42:A:LEU:HB3	1:41:A:GLU:HB3	6	0.52
(1,1485)	1:42:A:LEU:HB3	1:41:A:GLU:HB3	13	0.52
(1,1452)	1:29:B:LEU:HB2	1:37:B:LEU:HB3	11	0.52
(1,1451)	1:29:A:LEU:HB2	1:37:A:LEU:HB3	11	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1448)	1:29:B:LEU:HB2	1:33:B:GLU:HB3	4	0.52
(1,1448)	1:29:B:LEU:HB2	1:33:B:GLU:HB3	6	0.52
(1,1447)	1:29:A:LEU:HB2	1:33:A:GLU:HB3	4	0.52
(1,1447)	1:29:A:LEU:HB2	1:33:A:GLU:HB3	6	0.52
(1,1408)	1:39:B:THR:HG23	1:40:B:ARG:HD2	4	0.52
(1,1408)	1:39:B:THR:HG23	1:40:B:ARG:HD2	14	0.52
(1,1407)	1:39:A:THR:HG23	1:40:A:ARG:HD2	4	0.52
(1,1407)	1:39:A:THR:HG23	1:40:A:ARG:HD2	14	0.52
(1,1338)	1:71:B:ASP:HB2	1:75:B:TYR:HB3	1	0.52
(1,1338)	1:71:B:ASP:HB2	1:75:B:TYR:HB2	6	0.52
(1,1337)	1:71:A:ASP:HB2	1:75:A:TYR:HB2	6	0.52
(1,1336)	1:26:B:LYS:HE3	1:17:B:HIS:HB3	13	0.52
(1,1335)	1:26:A:LYS:HE3	1:17:A:HIS:HB3	13	0.52
(1,1252)	1:63:B:ASP:HB2	1:60:B:SER:HA	19	0.52
(1,950)	1:12:B:MET:HB2	1:9:A:LEU:HD12	19	0.52
(1,949)	1:12:A:MET:HB2	1:9:B:LEU:HD12	19	0.52
(1,918)	1:85:B:MET:HG3	1:84:B:MET:HG3	12	0.52
(1,917)	1:85:A:MET:HG3	1:84:A:MET:HG3	12	0.52
(1,801)	1:41:A:GLU:HB2	1:5:B:LEU:HD21	10	0.52
(1,748)	1:36:B:GLU:HB2	1:37:B:LEU:HD13	4	0.52
(1,748)	1:36:B:GLU:HB2	1:37:B:LEU:HD13	7	0.52
(1,747)	1:36:A:GLU:HB2	1:37:A:LEU:HD13	4	0.52
(1,747)	1:36:A:GLU:HB2	1:37:A:LEU:HD13	7	0.52
(1,690)	1:35:B:LYS:HD3	1:55:B:PHE:HB2	12	0.52
(1,689)	1:35:A:LYS:HD3	1:55:A:PHE:HB2	12	0.52
(1,635)	1:43:A:PRO:HG2	1:45:A:PHE:H	14	0.52
(1,635)	1:43:A:PRO:HG2	1:45:A:PHE:H	19	0.52
(1,508)	1:34:B:LEU:HD23	1:59:B:MET:HG2	10	0.52
(1,507)	1:34:A:LEU:HD23	1:59:A:MET:HG2	10	0.52
(1,476)	1:28:B:LYS:HG2	1:25:B:ASP:HB2	4	0.52
(1,416)	1:46:B:LEU:HD23	1:62:B:LEU:HD11	12	0.52
(1,415)	1:46:A:LEU:HD23	1:62:A:LEU:HD11	12	0.52
(1,372)	1:26:B:LYS:HG2	1:25:B:ASP:HB2	4	0.52
(1,371)	1:26:A:LYS:HG2	1:25:A:ASP:HB2	4	0.52
(1,338)	1:58:B:LEU:HD11	1:61:B:ASN:HB3	17	0.52
(1,337)	1:58:A:LEU:HD11	1:61:A:ASN:HB3	17	0.52
(1,231)	1:13:A:VAL:HG22	1:84:B:MET:HA	12	0.52
(1,202)	1:34:B:LEU:H	1:34:B:LEU:HD12	3	0.52
(1,201)	1:34:A:LEU:H	1:34:A:LEU:HD12	3	0.52
(1,172)	1:50:B:THR:HG22	1:48:B:LYS:HA	6	0.52
(1,172)	1:50:B:THR:HG23	1:48:B:LYS:HA	7	0.52
(1,172)	1:50:B:THR:HG23	1:48:B:LYS:HA	8	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,171)	1:50:A:THR:HG22	1:48:A:LYS:HA	2	0.52
(1,171)	1:50:A:THR:HG22	1:48:A:LYS:HA	6	0.52
(1,124)	1:2:B:ALA:HB2	1:5:B:LEU:HD11	12	0.52
(1,123)	1:2:A:ALA:HB2	1:5:A:LEU:HD11	12	0.52
(1,75)	1:53:A:ALA:HB3	1:51:A:ASP:HA	13	0.52
(1,8)	1:79:B:LEU:HD13	1:9:A:LEU:HD21	9	0.52
(1,8)	1:79:B:LEU:HD11	1:9:A:LEU:HD22	18	0.52
(1,7)	1:79:A:LEU:HD13	1:9:B:LEU:HD21	9	0.52
(2,293)	1:21:A:GLY:H	1:26:A:LYS:HB3	3	0.51
(2,288)	1:50:B:THR:H	1:48:B:LYS:HB2	6	0.51
(2,169)	1:70:A:VAL:H	1:30:A:ASN:HB2	9	0.51
(2,20)	1:5:B:LEU:HG	1:6:B:GLU:HB2	13	0.51
(2,19)	1:5:A:LEU:HG	1:6:A:GLU:HB2	13	0.51
(1,4620)	1:56:B:GLN:HE22	1:34:B:LEU:HD23	4	0.51
(1,4560)	1:73:B:GLN:HE21	1:78:B:PHE:HB2	5	0.51
(1,4559)	1:73:A:GLN:HE21	1:78:A:PHE:HB2	5	0.51
(1,4525)	1:68:A:ASN:HD21	1:56:A:GLN:HA	6	0.51
(1,4510)	1:32:B:SER:H	1:34:B:LEU:HD23	17	0.51
(1,4490)	1:17:B:HIS:H	1:13:B:VAL:HG21	2	0.51
(1,4490)	1:17:B:HIS:H	1:13:B:VAL:HG22	6	0.51
(1,4489)	1:17:A:HIS:H	1:13:A:VAL:HG21	2	0.51
(1,4489)	1:17:A:HIS:H	1:13:A:VAL:HG22	6	0.51
(1,4488)	1:17:B:HIS:H	1:26:B:LYS:HD2	2	0.51
(1,4487)	1:17:A:HIS:H	1:26:A:LYS:HD2	2	0.51
(1,4478)	1:86:B:SER:H	1:13:A:VAL:HG11	14	0.51
(1,4477)	1:86:A:SER:H	1:13:B:VAL:HG11	5	0.51
(1,4477)	1:86:A:SER:H	1:13:B:VAL:HG11	14	0.51
(1,4464)	1:31:B:LYS:H	1:34:B:LEU:HD23	13	0.51
(1,4463)	1:31:A:LYS:H	1:34:A:LEU:HD23	13	0.51
(1,4461)	1:31:A:LYS:H	1:59:A:MET:HG3	12	0.51
(1,4384)	1:76:B:SER:H	1:83:A:ALA:HB1	10	0.51
(1,4384)	1:76:B:SER:H	1:62:B:LEU:HB3	19	0.51
(1,4383)	1:76:A:SER:H	1:62:A:LEU:HB3	19	0.51
(1,4365)	1:9:A:LEU:H	1:79:B:LEU:HD12	4	0.51
(1,4358)	1:67:B:ASP:H	1:66:B:ARG:HB2	1	0.51
(1,4358)	1:67:B:ASP:H	1:66:B:ARG:HB2	9	0.51
(1,4357)	1:67:A:ASP:H	1:66:A:ARG:HB2	1	0.51
(1,4357)	1:67:A:ASP:H	1:66:A:ARG:HB2	9	0.51
(1,4356)	1:79:B:LEU:H	1:82:B:ILE:HG13	1	0.51
(1,4296)	1:64:B:SER:H	1:63:B:ASP:H	12	0.51
(1,4202)	1:39:B:THR:HB	1:36:B:GLU:HG2	17	0.51
(1,4201)	1:39:A:THR:HB	1:36:A:GLU:HG2	14	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4201)	1:39:A:THR:HB	1:36:A:GLU:HG2	15	0.51
(1,4201)	1:39:A:THR:HB	1:36:A:GLU:HG2	17	0.51
(1,4193)	1:77:A:VAL:HA	1:83:B:ALA:HB2	19	0.51
(1,4168)	1:76:B:SER:HB3	1:79:B:LEU:HB3	12	0.51
(1,4167)	1:76:A:SER:HB3	1:79:A:LEU:HB3	12	0.51
(1,4166)	1:76:B:SER:HA	1:79:B:LEU:HB3	10	0.51
(1,4165)	1:76:A:SER:HA	1:79:A:LEU:HB3	10	0.51
(1,4163)	1:14:A:SER:HB3	1:18:A:LYS:HD3	4	0.51
(1,4084)	1:61:B:ASN:HA	1:57:B:LYS:HA	4	0.51
(1,4083)	1:61:A:ASN:HA	1:57:A:LYS:HA	4	0.51
(1,4074)	1:40:B:ARG:HA	1:41:B:GLU:HB3	3	0.51
(1,4074)	1:40:B:ARG:HA	1:41:B:GLU:HB3	8	0.51
(1,4074)	1:40:B:ARG:HA	1:41:B:GLU:HB3	10	0.51
(1,4073)	1:40:A:ARG:HA	1:41:A:GLU:HB3	3	0.51
(1,4073)	1:40:A:ARG:HA	1:41:A:GLU:HB3	8	0.51
(1,4073)	1:40:A:ARG:HA	1:41:A:GLU:HB3	10	0.51
(1,4028)	1:83:B:ALA:HA	1:9:A:LEU:HB3	5	0.51
(1,4027)	1:83:A:ALA:HA	1:9:B:LEU:HB3	5	0.51
(1,4016)	1:41:B:GLU:HA	1:37:B:LEU:HD21	17	0.51
(1,4015)	1:41:A:GLU:HA	1:37:A:LEU:HD21	17	0.51
(1,4008)	1:69:B:GLU:HG2	1:28:B:LYS:HA	7	0.51
(1,4007)	1:69:A:GLU:HG2	1:28:A:LYS:HA	7	0.51
(1,4002)	1:69:B:GLU:HA	1:33:B:GLU:HB2	1	0.51
(1,4001)	1:69:A:GLU:HA	1:33:A:GLU:HB2	1	0.51
(1,3978)	1:29:B:LEU:HA	1:31:B:LYS:HA	1	0.51
(1,3977)	1:29:A:LEU:HA	1:31:A:LYS:HA	1	0.51
(1,3976)	1:42:B:LEU:HA	1:40:B:ARG:H	1	0.51
(1,3976)	1:42:B:LEU:HA	1:40:B:ARG:H	15	0.51
(1,3975)	1:42:A:LEU:HA	1:40:A:ARG:H	1	0.51
(1,3975)	1:42:A:LEU:HA	1:40:A:ARG:H	15	0.51
(1,3958)	1:94:B:PRO:HD3	1:89:B:PHE:HA	3	0.51
(1,3957)	1:94:A:PRO:HD3	1:89:A:PHE:HA	3	0.51
(1,3946)	1:42:B:LEU:HB2	1:79:B:LEU:HD21	4	0.51
(1,3945)	1:42:A:LEU:HB2	1:79:A:LEU:HD21	4	0.51
(1,3920)	1:40:B:ARG:HD2	1:19:B:TYR:HB3	4	0.51
(1,3919)	1:40:A:ARG:HD2	1:19:A:TYR:HB3	4	0.51
(1,3886)	1:7:B:LYS:HD3	1:7:B:LYS:HE2	1	0.51
(1,3885)	1:7:A:LYS:HD3	1:7:A:LYS:HE2	1	0.51
(1,3858)	1:7:B:LYS:HE3	1:44:A:SER:HA	6	0.51
(1,3857)	1:7:A:LYS:HE3	1:44:B:SER:HA	6	0.51
(1,3849)	1:9:A:LEU:HB3	1:79:B:LEU:HD11	1	0.51
(1,3836)	1:25:B:ASP:HB3	1:69:B:GLU:HB3	19	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3835)	1:25:A:ASP:HB3	1:69:A:GLU:HB3	19	0.51
(1,3831)	1:9:A:LEU:HB2	1:12:A:MET:HB3	14	0.51
(1,3816)	1:79:B:LEU:HB3	1:80:B:SER:HB3	7	0.51
(1,3815)	1:79:A:LEU:HB3	1:80:A:SER:HB3	7	0.51
(1,3792)	1:61:B:ASN:HB3	1:81:B:SER:HB3	4	0.51
(1,3772)	1:85:B:MET:HG2	1:87:B:ASN:HB3	17	0.51
(1,3771)	1:85:A:MET:HG2	1:87:A:ASN:HB3	17	0.51
(1,3755)	1:70:A:VAL:HG22	1:74:A:GLU:HG3	8	0.51
(1,3714)	1:69:B:GLU:HB2	1:70:B:VAL:HG21	18	0.51
(1,3655)	1:7:A:LYS:HB3	1:7:A:LYS:HE2	17	0.51
(1,3636)	1:33:B:GLU:HB3	1:34:B:LEU:HB2	19	0.51
(1,3635)	1:33:A:GLU:HB3	1:34:A:LEU:HB2	19	0.51
(1,3633)	1:43:A:PRO:HB3	1:7:B:LYS:HG3	20	0.51
(1,3596)	1:11:B:VAL:HG22	1:7:B:LYS:HD3	16	0.51
(1,3596)	1:11:B:VAL:HG22	1:7:B:LYS:HD3	17	0.51
(1,3595)	1:11:A:VAL:HG22	1:7:A:LYS:HD3	17	0.51
(1,3594)	1:96:B:LYS:HG3	1:96:B:LYS:HD2	3	0.51
(1,3593)	1:96:A:LYS:HG3	1:96:A:LYS:HD2	3	0.51
(1,3462)	1:29:B:LEU:HD12	1:69:B:GLU:HA	9	0.51
(1,3462)	1:29:B:LEU:HD12	1:69:B:GLU:HA	18	0.51
(1,3461)	1:29:A:LEU:HD12	1:69:A:GLU:HA	9	0.51
(1,3461)	1:29:A:LEU:HD12	1:69:A:GLU:HA	18	0.51
(1,3438)	1:39:B:THR:H	1:46:B:LEU:HD12	17	0.51
(1,3437)	1:39:A:THR:H	1:46:A:LEU:HD12	17	0.51
(1,3434)	1:38:B:LEU:HD12	1:41:B:GLU:HB3	20	0.51
(1,3433)	1:38:A:LEU:HD12	1:41:A:GLU:HB3	20	0.51
(1,3376)	1:50:B:THR:HG23	1:48:B:LYS:HB2	7	0.51
(1,3376)	1:50:B:THR:HG21	1:48:B:LYS:HB2	16	0.51
(1,3375)	1:50:A:THR:HG21	1:48:A:LYS:HB2	16	0.51
(1,3264)	1:81:B:SER:H	1:82:B:ILE:HD13	4	0.51
(1,3122)	1:73:B:GLN:HE22	1:73:B:GLN:HA	13	0.51
(1,3121)	1:73:A:GLN:HE22	1:73:A:GLN:HA	13	0.51
(1,3045)	1:41:A:GLU:H	1:29:A:LEU:HD11	10	0.51
(1,3020)	1:68:B:ASN:HD22	1:66:B:ARG:HG3	12	0.51
(1,2871)	1:14:A:SER:H	1:10:A:ASP:HB3	11	0.51
(1,2820)	1:40:B:ARG:H	1:46:B:LEU:HD12	2	0.51
(1,2820)	1:40:B:ARG:H	1:46:B:LEU:HD12	8	0.51
(1,2819)	1:40:A:ARG:H	1:46:A:LEU:HD12	2	0.51
(1,2818)	1:40:B:ARG:H	1:39:B:THR:HG23	6	0.51
(1,2818)	1:40:B:ARG:H	1:39:B:THR:HG21	15	0.51
(1,2817)	1:40:A:ARG:H	1:39:A:THR:HG23	6	0.51
(1,2817)	1:40:A:ARG:H	1:39:A:THR:HG21	15	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2622)	1:55:B:PHE:H	1:50:B:THR:HG22	9	0.51
(1,2621)	1:55:A:PHE:H	1:50:A:THR:HG22	9	0.51
(1,2546)	1:93:B:PHE:H	1:96:B:LYS:HE2	6	0.51
(1,2510)	1:42:B:LEU:H	1:82:B:ILE:HD12	16	0.51
(1,2509)	1:42:A:LEU:H	1:82:A:ILE:HD12	16	0.51
(1,2316)	1:78:B:PHE:H	1:84:A:MET:HG2	6	0.51
(1,2315)	1:78:A:PHE:H	1:84:B:MET:HG2	2	0.51
(1,2247)	1:8:A:ALA:H	1:43:B:PRO:HD2	9	0.51
(1,2193)	1:12:A:MET:H	1:79:A:LEU:HD13	2	0.51
(1,2084)	1:39:B:THR:HB	1:43:B:PRO:HD3	6	0.51
(1,2035)	1:43:A:PRO:HA	1:7:B:LYS:HD2	9	0.51
(1,1921)	1:86:A:SER:HA	1:13:B:VAL:HG22	14	0.51
(1,1903)	1:20:A:SER:HB2	1:19:A:TYR:H	10	0.51
(1,1876)	1:82:B:ILE:HG23	1:45:B:PHE:HA	1	0.51
(1,1875)	1:82:A:ILE:HG22	1:45:A:PHE:HA	12	0.51
(1,1748)	1:88:B:GLU:HB3	1:85:B:MET:HA	9	0.51
(1,1596)	1:95:B:ASP:HA	1:96:B:LYS:HG3	13	0.51
(1,1595)	1:95:A:ASP:HA	1:96:A:LYS:HG3	13	0.51
(1,1580)	1:29:B:LEU:HD11	1:29:B:LEU:HA	5	0.51
(1,1579)	1:29:A:LEU:HD11	1:29:A:LEU:HA	5	0.51
(1,1486)	1:42:B:LEU:HB3	1:41:B:GLU:HB3	7	0.51
(1,1485)	1:42:A:LEU:HB3	1:41:A:GLU:HB3	7	0.51
(1,1408)	1:39:B:THR:HG22	1:40:B:ARG:HD2	3	0.51
(1,1408)	1:39:B:THR:HG21	1:40:B:ARG:HD2	10	0.51
(1,1407)	1:39:A:THR:HG22	1:40:A:ARG:HD2	3	0.51
(1,1407)	1:39:A:THR:HG21	1:40:A:ARG:HD2	10	0.51
(1,1367)	1:18:A:LYS:HE2	1:11:A:VAL:HG11	9	0.51
(1,1338)	1:71:B:ASP:HB2	1:75:B:TYR:HB2	11	0.51
(1,1337)	1:71:A:ASP:HB2	1:75:A:TYR:HB2	11	0.51
(1,1312)	1:34:B:LEU:HB3	1:62:B:LEU:HD12	11	0.51
(1,1311)	1:34:A:LEU:HB3	1:62:A:LEU:HD12	11	0.51
(1,1238)	1:18:B:LYS:HB3	1:16:B:PHE:HB2	15	0.51
(1,1237)	1:18:A:LYS:HB3	1:16:A:PHE:HB2	15	0.51
(1,1082)	1:33:B:GLU:HG2	1:29:B:LEU:HB2	18	0.51
(1,1081)	1:33:A:GLU:HG2	1:29:A:LEU:HB2	18	0.51
(1,1070)	1:88:B:GLU:HG3	1:96:B:LYS:HE2	12	0.51
(1,1069)	1:88:A:GLU:HG3	1:96:A:LYS:HE2	12	0.51
(1,802)	1:41:B:GLU:HB2	1:5:A:LEU:HD21	10	0.51
(1,742)	1:36:B:GLU:HB2	1:39:B:THR:HG22	3	0.51
(1,742)	1:36:B:GLU:HB2	1:39:B:THR:HG23	4	0.51
(1,741)	1:36:A:GLU:HB2	1:39:A:THR:HG23	1	0.51
(1,741)	1:36:A:GLU:HB2	1:39:A:THR:HG22	3	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,741)	1:36:A:GLU:HB2	1:39:A:THR:HG23	4	0.51
(1,636)	1:43:B:PRO:HG2	1:45:B:PHE:H	19	0.51
(1,613)	1:29:A:LEU:HD21	1:22:A:LYS:HD3	9	0.51
(1,583)	1:29:A:LEU:HD23	1:33:A:GLU:H	19	0.51
(1,534)	1:38:B:LEU:HD22	1:62:B:LEU:HD11	8	0.51
(1,533)	1:38:A:LEU:HD22	1:62:A:LEU:HD11	8	0.51
(1,502)	1:42:B:LEU:HD11	1:42:B:LEU:HA	2	0.51
(1,501)	1:42:A:LEU:HD11	1:42:A:LEU:HA	2	0.51
(1,475)	1:28:A:LYS:HG2	1:25:A:ASP:HB2	4	0.51
(1,232)	1:13:B:VAL:HG23	1:84:A:MET:HA	9	0.51
(1,231)	1:13:A:VAL:HG23	1:84:B:MET:HA	9	0.51
(1,172)	1:50:B:THR:HG22	1:48:B:LYS:HA	2	0.51
(1,171)	1:50:A:THR:HG22	1:48:A:LYS:HA	13	0.51
(1,148)	1:13:B:VAL:HG11	1:84:A:MET:HA	18	0.51
(1,105)	1:83:A:ALA:HB3	1:82:A:ILE:HD11	15	0.51
(1,76)	1:53:B:ALA:HB3	1:51:B:ASP:HA	13	0.51
(1,76)	1:53:B:ALA:HB2	1:51:B:ASP:HA	17	0.51
(1,75)	1:53:A:ALA:HB2	1:51:A:ASP:HA	17	0.51
(1,32)	1:82:B:ILE:HD13	1:45:B:PHE:HA	11	0.51
(1,32)	1:82:B:ILE:HD11	1:45:B:PHE:HA	14	0.51
(1,31)	1:82:A:ILE:HD13	1:45:A:PHE:HA	11	0.51
(2,286)	1:65:B:ASN:HD21	1:68:B:ASN:HD21	6	0.5
(2,276)	1:20:B:SER:H	1:29:B:LEU:HB2	15	0.5
(2,196)	1:22:B:LYS:H	1:19:B:TYR:HB2	4	0.5
(2,195)	1:22:A:LYS:H	1:19:A:TYR:HB2	4	0.5
(2,170)	1:70:B:VAL:H	1:30:B:ASN:HB2	9	0.5
(2,16)	1:28:B:LYS:HG2	1:20:B:SER:HB3	10	0.5
(2,15)	1:28:A:LYS:HG2	1:20:A:SER:HB3	10	0.5
(1,4619)	1:56:A:GLN:HE22	1:34:A:LEU:HD23	4	0.5
(1,4605)	1:73:A:GLN:H	1:29:A:LEU:HD11	11	0.5
(1,4602)	1:73:B:GLN:H	1:97:A:GLN:HG2	12	0.5
(1,4568)	1:30:B:ASN:HD22	1:69:B:GLU:HG2	19	0.5
(1,4567)	1:30:A:ASN:HD22	1:69:A:GLU:HG2	19	0.5
(1,4560)	1:73:B:GLN:HE21	1:78:B:PHE:HB2	8	0.5
(1,4559)	1:73:A:GLN:HE21	1:78:A:PHE:HB2	8	0.5
(1,4526)	1:68:B:ASN:HD21	1:56:B:GLN:HA	6	0.5
(1,4434)	1:38:B:LEU:H	1:55:B:PHE:HB3	16	0.5
(1,4433)	1:38:A:LEU:H	1:55:A:PHE:HB3	16	0.5
(1,4422)	1:35:B:LYS:H	1:59:B:MET:HB2	13	0.5
(1,4421)	1:35:A:LYS:H	1:59:A:MET:HB2	13	0.5
(1,4404)	1:15:B:THR:H	1:13:B:VAL:HB	4	0.5
(1,4404)	1:15:B:THR:H	1:12:B:MET:HB2	20	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4403)	1:15:A:THR:H	1:12:A:MET:HB2	20	0.5
(1,4384)	1:76:B:SER:H	1:83:A:ALA:HB1	16	0.5
(1,4358)	1:67:B:ASP:H	1:66:B:ARG:HB2	6	0.5
(1,4358)	1:67:B:ASP:H	1:66:B:ARG:HB2	15	0.5
(1,4357)	1:67:A:ASP:H	1:66:A:ARG:HB2	6	0.5
(1,4357)	1:67:A:ASP:H	1:66:A:ARG:HB2	15	0.5
(1,4348)	1:16:B:PHE:H	1:37:B:LEU:HD13	16	0.5
(1,4347)	1:16:A:PHE:H	1:37:A:LEU:HD13	16	0.5
(1,4340)	1:13:B:VAL:H	1:79:B:LEU:HD13	4	0.5
(1,4339)	1:13:A:VAL:H	1:79:A:LEU:HD13	4	0.5
(1,4316)	1:74:B:GLU:H	1:70:B:VAL:HG22	16	0.5
(1,4315)	1:74:A:GLU:H	1:70:A:VAL:HG22	16	0.5
(1,4202)	1:39:B:THR:HB	1:36:B:GLU:HG2	6	0.5
(1,4202)	1:39:B:THR:HB	1:36:B:GLU:HG2	15	0.5
(1,4201)	1:39:A:THR:HB	1:36:A:GLU:HG2	6	0.5
(1,4201)	1:39:A:THR:HB	1:36:A:GLU:HG2	10	0.5
(1,4168)	1:76:B:SER:HB3	1:79:B:LEU:HB3	6	0.5
(1,4167)	1:76:A:SER:HB3	1:79:A:LEU:HB3	6	0.5
(1,4166)	1:76:B:SER:HA	1:79:B:LEU:HB3	17	0.5
(1,4165)	1:76:A:SER:HA	1:79:A:LEU:HB3	17	0.5
(1,4164)	1:14:B:SER:HB3	1:18:B:LYS:HD3	13	0.5
(1,4118)	1:44:B:SER:HA	1:46:B:LEU:HA	3	0.5
(1,4118)	1:44:B:SER:HA	1:46:B:LEU:HA	5	0.5
(1,4117)	1:44:A:SER:HA	1:46:A:LEU:HA	3	0.5
(1,4117)	1:44:A:SER:HA	1:46:A:LEU:HA	5	0.5
(1,4074)	1:40:B:ARG:HA	1:41:B:GLU:HB3	13	0.5
(1,4073)	1:40:A:ARG:HA	1:41:A:GLU:HB3	13	0.5
(1,4016)	1:41:B:GLU:HA	1:37:B:LEU:HD23	6	0.5
(1,4015)	1:41:A:GLU:HA	1:37:A:LEU:HD23	6	0.5
(1,4008)	1:69:B:GLU:HG2	1:28:B:LYS:HA	12	0.5
(1,3950)	1:21:B:GLY:HA3	1:22:B:LYS:HD3	3	0.5
(1,3949)	1:21:A:GLY:HA3	1:22:A:LYS:HD3	3	0.5
(1,3920)	1:18:B:LYS:HE3	1:40:B:ARG:HD3	1	0.5
(1,3920)	1:40:B:ARG:HD2	1:19:B:TYR:HB3	13	0.5
(1,3919)	1:18:A:LYS:HE3	1:40:A:ARG:HD3	1	0.5
(1,3919)	1:40:A:ARG:HD2	1:19:A:TYR:HB3	13	0.5
(1,3850)	1:9:B:LEU:HB3	1:79:A:LEU:HD11	1	0.5
(1,3848)	1:9:B:LEU:HB2	1:79:A:LEU:HD11	3	0.5
(1,3847)	1:9:A:LEU:HB2	1:79:B:LEU:HD11	3	0.5
(1,3832)	1:9:B:LEU:HB2	1:12:B:MET:HB3	1	0.5
(1,3832)	1:9:B:LEU:HB2	1:12:B:MET:HB3	14	0.5
(1,3831)	1:9:A:LEU:HB2	1:12:A:MET:HB3	1	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3816)	1:79:B:LEU:HB3	1:80:B:SER:HB3	9	0.5
(1,3815)	1:79:A:LEU:HB3	1:80:A:SER:HB3	9	0.5
(1,3794)	1:28:B:LYS:HB2	1:20:B:SER:HB3	7	0.5
(1,3793)	1:28:A:LYS:HB2	1:20:A:SER:HB3	7	0.5
(1,3791)	1:61:A:ASN:HB3	1:81:A:SER:HB3	4	0.5
(1,3714)	1:69:B:GLU:HB2	1:70:B:VAL:HG22	15	0.5
(1,3714)	1:69:B:GLU:HB2	1:70:B:VAL:HG22	17	0.5
(1,3713)	1:69:A:GLU:HB2	1:70:A:VAL:HG22	7	0.5
(1,3713)	1:69:A:GLU:HB2	1:70:A:VAL:HG22	17	0.5
(1,3698)	1:56:B:GLN:HG3	1:57:B:LYS:HE2	7	0.5
(1,3656)	1:7:B:LYS:HB3	1:7:B:LYS:HE2	17	0.5
(1,3634)	1:43:B:PRO:HB3	1:7:A:LYS:HG3	20	0.5
(1,3595)	1:11:A:VAL:HG22	1:7:A:LYS:HD3	16	0.5
(1,3562)	1:56:B:GLN:HB3	1:53:B:ALA:HB3	5	0.5
(1,3562)	1:56:B:GLN:HB3	1:53:B:ALA:HB1	20	0.5
(1,3561)	1:56:A:GLN:HB3	1:53:A:ALA:HB3	5	0.5
(1,3561)	1:56:A:GLN:HB3	1:53:A:ALA:HB1	20	0.5
(1,3557)	1:40:A:ARG:HG2	1:36:A:GLU:HG2	2	0.5
(1,3512)	1:42:B:LEU:HD22	1:6:A:GLU:HA	7	0.5
(1,3458)	1:26:B:LYS:HG3	1:28:B:LYS:H	3	0.5
(1,3457)	1:26:A:LYS:HG3	1:28:A:LYS:H	3	0.5
(1,3438)	1:39:B:THR:H	1:46:B:LEU:HD11	1	0.5
(1,3438)	1:39:B:THR:H	1:46:B:LEU:HD13	10	0.5
(1,3437)	1:39:A:THR:H	1:46:A:LEU:HD11	1	0.5
(1,3437)	1:39:A:THR:H	1:46:A:LEU:HD13	10	0.5
(1,3434)	1:38:B:LEU:HD11	1:41:B:GLU:HB3	4	0.5
(1,3434)	1:38:B:LEU:HD11	1:41:B:GLU:HB3	12	0.5
(1,3433)	1:38:A:LEU:HD11	1:41:A:GLU:HB3	4	0.5
(1,3433)	1:38:A:LEU:HD11	1:41:A:GLU:HB3	12	0.5
(1,3404)	1:77:B:VAL:HG21	1:62:B:LEU:HB3	12	0.5
(1,3403)	1:77:A:VAL:HG21	1:62:A:LEU:HB3	12	0.5
(1,3393)	1:77:A:VAL:HG22	1:74:A:GLU:HA	6	0.5
(1,3392)	1:68:B:ASN:HD21	1:70:B:VAL:HG23	19	0.5
(1,3391)	1:68:A:ASN:HD21	1:70:A:VAL:HG23	19	0.5
(1,3375)	1:50:A:THR:HG23	1:48:A:LYS:HB2	7	0.5
(1,3352)	1:13:B:VAL:HG12	1:90:A:PHE:H	1	0.5
(1,3351)	1:13:A:VAL:HG12	1:90:B:PHE:H	1	0.5
(1,3343)	1:77:A:VAL:HG11	1:84:B:MET:HG2	13	0.5
(1,3263)	1:81:A:SER:H	1:82:A:ILE:HD13	4	0.5
(1,3263)	1:81:A:SER:H	1:82:A:ILE:HD13	17	0.5
(1,3214)	1:47:B:GLY:H	1:82:B:ILE:HD12	17	0.5
(1,3048)	1:97:B:GLN:HE22	1:96:B:LYS:H	8	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3047)	1:97:A:GLN:HE22	1:96:A:LYS:H	8	0.5
(1,3019)	1:68:A:ASN:HD22	1:66:A:ARG:HG3	12	0.5
(1,2872)	1:14:B:SER:H	1:10:B:ASP:HB3	11	0.5
(1,2819)	1:40:A:ARG:H	1:46:A:LEU:HD12	8	0.5
(1,2818)	1:40:B:ARG:H	1:39:B:THR:HG22	3	0.5
(1,2818)	1:40:B:ARG:H	1:39:B:THR:HG23	4	0.5
(1,2818)	1:40:B:ARG:H	1:39:B:THR:HG22	16	0.5
(1,2817)	1:40:A:ARG:H	1:39:A:THR:HG22	3	0.5
(1,2817)	1:40:A:ARG:H	1:39:A:THR:HG23	4	0.5
(1,2650)	1:10:B:ASP:H	1:82:A:ILE:HD11	11	0.5
(1,2545)	1:93:A:PHE:H	1:96:A:LYS:HE2	6	0.5
(1,2416)	1:52:B:GLU:H	1:53:B:ALA:HB1	7	0.5
(1,2416)	1:52:B:GLU:H	1:53:B:ALA:HB3	15	0.5
(1,2415)	1:52:A:GLU:H	1:53:A:ALA:HB1	6	0.5
(1,2394)	1:18:B:LYS:H	1:37:B:LEU:HD13	12	0.5
(1,2393)	1:18:A:LYS:H	1:37:A:LEU:HD13	12	0.5
(1,2316)	1:78:B:PHE:H	1:84:A:MET:HG2	1	0.5
(1,2316)	1:78:B:PHE:H	1:84:A:MET:HG2	2	0.5
(1,2316)	1:78:B:PHE:H	1:84:A:MET:HG2	12	0.5
(1,2315)	1:78:A:PHE:H	1:84:B:MET:HG2	1	0.5
(1,2315)	1:78:A:PHE:H	1:84:B:MET:HG2	6	0.5
(1,2315)	1:78:A:PHE:H	1:84:B:MET:HG2	12	0.5
(1,2248)	1:8:B:ALA:H	1:43:A:PRO:HD2	9	0.5
(1,2248)	1:8:B:ALA:H	1:43:A:PRO:HD2	11	0.5
(1,2073)	1:15:A:THR:HA	1:5:B:LEU:HD21	12	0.5
(1,1934)	1:50:B:THR:HA	1:46:B:LEU:HB3	10	0.5
(1,1933)	1:50:A:THR:HA	1:46:A:LEU:HB3	10	0.5
(1,1876)	1:82:B:ILE:HG21	1:45:B:PHE:HA	14	0.5
(1,1876)	1:82:B:ILE:HG23	1:45:B:PHE:HA	18	0.5
(1,1875)	1:82:A:ILE:HG23	1:45:A:PHE:HA	1	0.5
(1,1822)	1:7:B:LYS:HA	1:7:B:LYS:HD3	14	0.5
(1,1821)	1:7:A:LYS:HA	1:7:A:LYS:HD3	14	0.5
(1,1762)	1:61:B:ASN:HB3	1:58:B:LEU:HA	19	0.5
(1,1761)	1:61:A:ASN:HB3	1:58:A:LEU:HA	19	0.5
(1,1648)	1:49:B:ARG:HD2	1:49:B:ARG:HA	13	0.5
(1,1647)	1:49:A:ARG:HD2	1:49:A:ARG:HA	13	0.5
(1,1610)	1:25:B:ASP:HB2	1:28:B:LYS:HA	7	0.5
(1,1610)	1:25:B:ASP:HB2	1:28:B:LYS:HA	9	0.5
(1,1609)	1:25:A:ASP:HB2	1:28:A:LYS:HA	7	0.5
(1,1609)	1:25:A:ASP:HB2	1:28:A:LYS:HA	9	0.5
(1,1596)	1:95:B:ASP:HA	1:96:B:LYS:HG2	2	0.5
(1,1596)	1:95:B:ASP:HA	1:96:B:LYS:HG2	8	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1595)	1:95:A:ASP:HA	1:96:A:LYS:HG2	2	0.5
(1,1595)	1:95:A:ASP:HA	1:96:A:LYS:HG2	8	0.5
(1,1552)	1:98:B:PRO:HD2	1:101:B:LYS:HG2	17	0.5
(1,1551)	1:98:A:PRO:HD2	1:101:A:LYS:HG2	17	0.5
(1,1368)	1:18:B:LYS:HE2	1:11:B:VAL:HG11	9	0.5
(1,1367)	1:18:A:LYS:HE2	1:11:A:VAL:HG11	4	0.5
(1,1322)	1:56:B:GLN:HE21	1:31:B:LYS:HE3	10	0.5
(1,1321)	1:56:A:GLN:HE21	1:31:A:LYS:HE3	10	0.5
(1,1312)	1:34:B:LEU:HB3	1:62:B:LEU:HD13	19	0.5
(1,1311)	1:34:A:LEU:HB3	1:62:A:LEU:HD13	19	0.5
(1,1237)	1:18:A:LYS:HB3	1:16:A:PHE:HB2	8	0.5
(1,1078)	1:52:B:GLU:HG3	1:53:B:ALA:HB2	9	0.5
(1,1077)	1:52:A:GLU:HG3	1:53:A:ALA:HB2	9	0.5
(1,969)	1:97:A:GLN:HG2	1:95:A:ASP:HB3	1	0.5
(1,959)	1:22:A:LYS:HB3	1:33:A:GLU:HG2	15	0.5
(1,898)	1:85:B:MET:HG2	1:85:B:MET:HA	8	0.5
(1,897)	1:85:A:MET:HG2	1:85:A:MET:HA	8	0.5
(1,742)	1:36:B:GLU:HB2	1:39:B:THR:HG23	1	0.5
(1,636)	1:43:B:PRO:HG2	1:45:B:PHE:H	5	0.5
(1,636)	1:43:B:PRO:HG2	1:45:B:PHE:H	12	0.5
(1,636)	1:43:B:PRO:HG2	1:45:B:PHE:H	13	0.5
(1,636)	1:43:B:PRO:HG2	1:45:B:PHE:H	17	0.5
(1,636)	1:43:B:PRO:HG2	1:45:B:PHE:H	20	0.5
(1,635)	1:43:A:PRO:HG2	1:45:A:PHE:H	5	0.5
(1,635)	1:43:A:PRO:HG2	1:45:A:PHE:H	12	0.5
(1,635)	1:43:A:PRO:HG2	1:45:A:PHE:H	13	0.5
(1,635)	1:43:A:PRO:HG2	1:45:A:PHE:H	17	0.5
(1,635)	1:43:A:PRO:HG2	1:45:A:PHE:H	20	0.5
(1,614)	1:29:B:LEU:HD21	1:22:B:LYS:HD3	9	0.5
(1,614)	1:29:B:LEU:HD23	1:22:B:LYS:HD3	10	0.5
(1,614)	1:29:B:LEU:HD21	1:22:B:LYS:HD3	19	0.5
(1,613)	1:29:A:LEU:HD23	1:22:A:LYS:HD3	10	0.5
(1,613)	1:29:A:LEU:HD21	1:22:A:LYS:HD3	19	0.5
(1,584)	1:29:B:LEU:HD23	1:33:B:GLU:H	19	0.5
(1,502)	1:42:B:LEU:HD12	1:42:B:LEU:HA	17	0.5
(1,501)	1:42:A:LEU:HD13	1:42:A:LEU:HA	17	0.5
(1,482)	1:79:B:LEU:HD21	1:12:B:MET:HB3	17	0.5
(1,481)	1:79:A:LEU:HD21	1:12:A:MET:HB3	17	0.5
(1,475)	1:28:A:LYS:HG2	1:25:A:ASP:HB2	9	0.5
(1,453)	1:5:A:LEU:HD22	1:9:A:LEU:HD21	9	0.5
(1,416)	1:46:B:LEU:HD21	1:62:B:LEU:HD11	20	0.5
(1,415)	1:46:A:LEU:HD21	1:62:A:LEU:HD11	20	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,412)	1:39:B:THR:HG23	1:46:B:LEU:HD23	3	0.5
(1,411)	1:39:A:THR:HG23	1:46:A:LEU:HD23	3	0.5
(1,232)	1:13:B:VAL:HG23	1:84:A:MET:HA	10	0.5
(1,202)	1:34:B:LEU:H	1:34:B:LEU:HD13	1	0.5
(1,202)	1:34:B:LEU:H	1:34:B:LEU:HD11	11	0.5
(1,202)	1:34:B:LEU:H	1:34:B:LEU:HD13	14	0.5
(1,201)	1:34:A:LEU:H	1:34:A:LEU:HD13	1	0.5
(1,201)	1:34:A:LEU:H	1:34:A:LEU:HD11	11	0.5
(1,201)	1:34:A:LEU:H	1:34:A:LEU:HD13	14	0.5
(1,172)	1:50:B:THR:HG21	1:48:B:LYS:HA	11	0.5
(1,172)	1:50:B:THR:HG22	1:48:B:LYS:HA	13	0.5
(1,158)	1:39:B:THR:HG23	1:35:B:LYS:HB3	19	0.5
(1,157)	1:39:A:THR:HG23	1:35:A:LYS:HB3	19	0.5
(1,147)	1:13:A:VAL:HG11	1:84:B:MET:HA	18	0.5
(1,124)	1:2:B:ALA:HB1	1:5:B:LEU:HD11	5	0.5
(1,123)	1:2:A:ALA:HB1	1:5:A:LEU:HD11	5	0.5
(1,106)	1:83:B:ALA:HB3	1:82:B:ILE:HD11	15	0.5
(1,76)	1:53:B:ALA:HB2	1:51:B:ASP:HA	18	0.5
(1,75)	1:53:A:ALA:HB1	1:51:A:ASP:HA	7	0.5
(1,75)	1:53:A:ALA:HB2	1:51:A:ASP:HA	18	0.5
(1,49)	1:82:A:ILE:HG23	1:86:A:SER:HB2	12	0.5
(1,32)	1:82:B:ILE:HD12	1:45:B:PHE:HA	20	0.5
(1,31)	1:82:A:ILE:HD11	1:45:A:PHE:HA	14	0.5
(1,31)	1:82:A:ILE:HD12	1:45:A:PHE:HA	20	0.5
(2,285)	1:65:A:ASN:HD21	1:68:A:ASN:HD21	6	0.49
(2,275)	1:20:A:SER:H	1:29:A:LEU:HB2	15	0.49
(2,196)	1:22:B:LYS:H	1:19:B:TYR:HB2	13	0.49
(2,195)	1:22:A:LYS:H	1:19:A:TYR:HB2	13	0.49
(2,27)	1:36:A:GLU:HB2	1:40:A:ARG:HB2	20	0.49
(1,4606)	1:73:B:GLN:H	1:29:B:LEU:HD11	11	0.49
(1,4601)	1:73:A:GLN:H	1:97:B:GLN:HG2	12	0.49
(1,4560)	1:73:B:GLN:HE21	1:78:B:PHE:HB2	6	0.49
(1,4526)	1:68:B:ASN:HD21	1:56:B:GLN:HA	3	0.49
(1,4518)	1:20:B:SER:H	1:26:B:LYS:HD2	2	0.49
(1,4518)	1:20:B:SER:H	1:26:B:LYS:HD2	4	0.49
(1,4517)	1:20:A:SER:H	1:26:A:LYS:HD2	2	0.49
(1,4516)	1:20:B:SER:H	1:18:B:LYS:HB3	2	0.49
(1,4515)	1:20:A:SER:H	1:18:A:LYS:HB3	2	0.49
(1,4515)	1:20:A:SER:H	1:18:A:LYS:HB3	15	0.49
(1,4502)	1:87:B:ASN:HD21	1:89:B:PHE:HA	16	0.49
(1,4501)	1:87:A:ASN:HD21	1:89:A:PHE:HA	16	0.49
(1,4500)	1:87:B:ASN:HD21	1:96:B:LYS:H	14	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4499)	1:87:A:ASN:HD21	1:96:A:LYS:H	14	0.49
(1,4490)	1:17:B:HIS:H	1:13:B:VAL:HG21	5	0.49
(1,4490)	1:17:B:HIS:H	1:13:B:VAL:HG22	13	0.49
(1,4489)	1:17:A:HIS:H	1:13:A:VAL:HG21	5	0.49
(1,4489)	1:17:A:HIS:H	1:13:A:VAL:HG22	13	0.49
(1,4452)	1:69:B:GLU:H	1:67:B:ASP:HB3	18	0.49
(1,4428)	1:34:B:LEU:H	1:22:B:LYS:HE3	8	0.49
(1,4427)	1:34:A:LEU:H	1:22:A:LYS:HE3	8	0.49
(1,4409)	1:61:A:ASN:H	1:58:A:LEU:HD11	7	0.49
(1,4404)	1:15:B:THR:H	1:13:B:VAL:HB	17	0.49
(1,4403)	1:15:A:THR:H	1:13:A:VAL:HB	4	0.49
(1,4403)	1:15:A:THR:H	1:13:A:VAL:HB	17	0.49
(1,4400)	1:72:B:PHE:H	1:13:B:VAL:HG11	3	0.49
(1,4399)	1:72:A:PHE:H	1:13:A:VAL:HG11	3	0.49
(1,4392)	1:7:B:LYS:H	1:42:A:LEU:HD21	14	0.49
(1,4391)	1:7:A:LYS:H	1:42:B:LEU:HD21	14	0.49
(1,4384)	1:76:B:SER:H	1:83:A:ALA:HB2	1	0.49
(1,4383)	1:76:A:SER:H	1:83:B:ALA:HB2	1	0.49
(1,4383)	1:76:A:SER:H	1:83:B:ALA:HB1	16	0.49
(1,4316)	1:74:B:GLU:H	1:70:B:VAL:HG23	3	0.49
(1,4315)	1:74:A:GLU:H	1:70:A:VAL:HG23	3	0.49
(1,4202)	1:39:B:THR:HB	1:36:B:GLU:HG2	10	0.49
(1,4201)	1:39:A:THR:HB	1:36:A:GLU:HG2	7	0.49
(1,4168)	1:76:B:SER:HB2	1:79:B:LEU:HB3	3	0.49
(1,4167)	1:76:A:SER:HB2	1:79:A:LEU:HB3	3	0.49
(1,4163)	1:14:A:SER:HB3	1:18:A:LYS:HD3	13	0.49
(1,4157)	1:32:A:SER:HB3	1:23:A:GLU:HG2	2	0.49
(1,4157)	1:32:A:SER:HB3	1:23:A:GLU:HG2	6	0.49
(1,4144)	1:20:B:SER:HA	1:17:B:HIS:HA	18	0.49
(1,4084)	1:74:B:GLU:HA	1:78:B:PHE:HA	2	0.49
(1,4084)	1:61:B:ASN:HA	1:57:B:LYS:HA	11	0.49
(1,4083)	1:74:A:GLU:HA	1:78:A:PHE:HA	2	0.49
(1,4083)	1:61:A:ASN:HA	1:57:A:LYS:HA	11	0.49
(1,4074)	1:40:B:ARG:HA	1:41:B:GLU:HB3	12	0.49
(1,4073)	1:40:A:ARG:HA	1:41:A:GLU:HB3	12	0.49
(1,4070)	1:17:B:HIS:HA	1:26:B:LYS:HG2	5	0.49
(1,4069)	1:17:A:HIS:HA	1:26:A:LYS:HG2	5	0.49
(1,4062)	1:10:B:ASP:HA	1:82:A:ILE:HB	10	0.49
(1,4061)	1:10:A:ASP:HA	1:82:B:ILE:HB	10	0.49
(1,4007)	1:69:A:GLU:HG2	1:28:A:LYS:HA	12	0.49
(1,3978)	1:29:B:LEU:HA	1:31:B:LYS:HA	6	0.49
(1,3977)	1:29:A:LEU:HA	1:31:A:LYS:HA	6	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3976)	1:42:B:LEU:HA	1:40:B:ARG:H	7	0.49
(1,3948)	1:21:B:GLY:HA3	1:22:B:LYS:HB3	9	0.49
(1,3948)	1:21:B:GLY:HA3	1:22:B:LYS:HB3	18	0.49
(1,3947)	1:21:A:GLY:HA3	1:22:A:LYS:HB3	9	0.49
(1,3947)	1:21:A:GLY:HA3	1:22:A:LYS:HB3	11	0.49
(1,3947)	1:21:A:GLY:HA3	1:22:A:LYS:HB3	18	0.49
(1,3886)	1:7:B:LYS:HD2	1:7:B:LYS:HE2	19	0.49
(1,3885)	1:7:A:LYS:HD3	1:7:A:LYS:HE3	19	0.49
(1,3850)	1:9:B:LEU:HB3	1:79:A:LEU:HD11	14	0.49
(1,3849)	1:9:A:LEU:HB3	1:79:B:LEU:HD11	14	0.49
(1,3816)	1:79:B:LEU:HB3	1:80:B:SER:HB3	18	0.49
(1,3815)	1:79:A:LEU:HB3	1:80:A:SER:HB3	18	0.49
(1,3792)	1:61:B:ASN:HB3	1:81:B:SER:HB2	2	0.49
(1,3791)	1:61:A:ASN:HB3	1:81:A:SER:HB2	2	0.49
(1,3714)	1:69:B:GLU:HB2	1:70:B:VAL:HG21	6	0.49
(1,3714)	1:69:B:GLU:HB2	1:70:B:VAL:HG22	7	0.49
(1,3713)	1:69:A:GLU:HB2	1:70:A:VAL:HG21	6	0.49
(1,3713)	1:69:A:GLU:HB2	1:70:A:VAL:HG22	15	0.49
(1,3697)	1:56:A:GLN:HG3	1:57:A:LYS:HE2	7	0.49
(1,3674)	1:59:B:MET:HG3	1:31:B:LYS:HB2	8	0.49
(1,3673)	1:59:A:MET:HG3	1:31:A:LYS:HB2	8	0.49
(1,3558)	1:40:B:ARG:HG2	1:36:B:GLU:HG2	2	0.49
(1,3512)	1:42:B:LEU:HD21	1:6:A:GLU:HA	17	0.49
(1,3511)	1:42:A:LEU:HD22	1:6:B:GLU:HA	7	0.49
(1,3472)	1:31:B:LYS:HG3	1:34:B:LEU:HD22	6	0.49
(1,3471)	1:31:A:LYS:HG3	1:34:A:LEU:HD22	6	0.49
(1,3462)	1:29:B:LEU:HD11	1:69:B:GLU:HA	17	0.49
(1,3461)	1:29:A:LEU:HD11	1:69:A:GLU:HA	17	0.49
(1,3438)	1:39:B:THR:H	1:46:B:LEU:HD11	6	0.49
(1,3438)	1:39:B:THR:H	1:46:B:LEU:HD13	19	0.49
(1,3437)	1:39:A:THR:H	1:46:A:LEU:HD11	6	0.49
(1,3437)	1:39:A:THR:H	1:46:A:LEU:HD13	19	0.49
(1,3434)	1:38:B:LEU:HD11	1:41:B:GLU:HB3	1	0.49
(1,3433)	1:38:A:LEU:HD11	1:41:A:GLU:HB3	1	0.49
(1,3396)	1:11:B:VAL:HG22	1:10:B:ASP:HB3	10	0.49
(1,3394)	1:77:B:VAL:HG23	1:74:B:GLU:HA	5	0.49
(1,3394)	1:77:B:VAL:HG22	1:74:B:GLU:HA	6	0.49
(1,3394)	1:77:B:VAL:HG21	1:74:B:GLU:HA	16	0.49
(1,3393)	1:77:A:VAL:HG22	1:74:A:GLU:HA	5	0.49
(1,3318)	1:82:B:ILE:HG21	1:45:B:PHE:HA	5	0.49
(1,3318)	1:82:B:ILE:HG22	1:45:B:PHE:HA	8	0.49
(1,3317)	1:82:A:ILE:HG21	1:45:A:PHE:HA	5	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3317)	1:82:A:ILE:HG22	1:45:A:PHE:HA	8	0.49
(1,3264)	1:81:B:SER:H	1:82:B:ILE:HD13	17	0.49
(1,3214)	1:47:B:GLY:H	1:82:B:ILE:HD12	4	0.49
(1,3214)	1:47:B:GLY:H	1:82:B:ILE:HD11	5	0.49
(1,3213)	1:47:A:GLY:H	1:82:A:ILE:HD12	4	0.49
(1,3213)	1:47:A:GLY:H	1:82:A:ILE:HD11	5	0.49
(1,3213)	1:47:A:GLY:H	1:82:A:ILE:HD12	17	0.49
(1,2820)	1:40:B:ARG:H	1:46:B:LEU:HD12	11	0.49
(1,2820)	1:40:B:ARG:H	1:46:B:LEU:HD12	12	0.49
(1,2820)	1:40:B:ARG:H	1:46:B:LEU:HD12	18	0.49
(1,2819)	1:40:A:ARG:H	1:46:A:LEU:HD12	11	0.49
(1,2819)	1:40:A:ARG:H	1:46:A:LEU:HD12	18	0.49
(1,2818)	1:40:B:ARG:H	1:39:B:THR:HG22	8	0.49
(1,2818)	1:40:B:ARG:H	1:39:B:THR:HG22	9	0.49
(1,2817)	1:40:A:ARG:H	1:39:A:THR:HG22	8	0.49
(1,2817)	1:40:A:ARG:H	1:39:A:THR:HG22	9	0.49
(1,2817)	1:40:A:ARG:H	1:39:A:THR:HG22	16	0.49
(1,2649)	1:10:A:ASP:H	1:82:B:ILE:HD11	11	0.49
(1,2592)	1:56:B:GLN:H	1:55:B:PHE:HB2	14	0.49
(1,2591)	1:56:A:GLN:H	1:55:A:PHE:HB2	14	0.49
(1,2416)	1:52:B:GLU:H	1:53:B:ALA:HB1	6	0.49
(1,2394)	1:18:B:LYS:H	1:37:B:LEU:HD11	13	0.49
(1,2394)	1:18:B:LYS:H	1:37:B:LEU:HD12	19	0.49
(1,2393)	1:18:A:LYS:H	1:37:A:LEU:HD11	13	0.49
(1,2393)	1:18:A:LYS:H	1:37:A:LEU:HD12	19	0.49
(1,2247)	1:8:A:ALA:H	1:43:B:PRO:HD2	11	0.49
(1,2220)	1:100:B:LYS:H	1:97:B:GLN:HG3	6	0.49
(1,2219)	1:100:A:LYS:H	1:97:A:GLN:HG3	6	0.49
(1,2074)	1:15:B:THR:HA	1:5:A:LEU:HD21	12	0.49
(1,2012)	1:94:B:PRO:HA	1:95:B:ASP:HB3	18	0.49
(1,2011)	1:94:A:PRO:HA	1:95:A:ASP:HB2	20	0.49
(1,1904)	1:20:B:SER:HB2	1:19:B:TYR:H	7	0.49
(1,1904)	1:20:B:SER:HB2	1:19:B:TYR:H	16	0.49
(1,1903)	1:20:A:SER:HB2	1:19:A:TYR:H	7	0.49
(1,1903)	1:20:A:SER:HB2	1:19:A:TYR:H	16	0.49
(1,1876)	1:82:B:ILE:HG23	1:45:B:PHE:HA	19	0.49
(1,1875)	1:82:A:ILE:HG21	1:45:A:PHE:HA	14	0.49
(1,1875)	1:82:A:ILE:HG23	1:45:A:PHE:HA	18	0.49
(1,1875)	1:82:A:ILE:HG23	1:45:A:PHE:HA	19	0.49
(1,1596)	1:95:B:ASP:HA	1:96:B:LYS:HG2	7	0.49
(1,1595)	1:95:A:ASP:HA	1:96:A:LYS:HG2	7	0.49
(1,1479)	1:42:A:LEU:HB2	1:45:A:PHE:HA	19	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1448)	1:29:B:LEU:HB2	1:33:B:GLU:HB3	7	0.49
(1,1447)	1:29:A:LEU:HB2	1:33:A:GLU:HB3	7	0.49
(1,1368)	1:18:B:LYS:HE2	1:11:B:VAL:HG11	4	0.49
(1,1319)	1:92:A:GLY:H	1:96:A:LYS:HE2	6	0.49
(1,1314)	1:58:B:LEU:HB3	1:62:B:LEU:HD13	2	0.49
(1,1313)	1:58:A:LEU:HB3	1:62:A:LEU:HD13	2	0.49
(1,1238)	1:18:B:LYS:HB3	1:16:B:PHE:HB2	5	0.49
(1,1238)	1:18:B:LYS:HB3	1:16:B:PHE:HB2	8	0.49
(1,1237)	1:18:A:LYS:HB3	1:16:A:PHE:HB2	5	0.49
(1,1081)	1:33:A:GLU:HG3	1:29:A:LEU:HB2	20	0.49
(1,1078)	1:52:B:GLU:HG3	1:53:B:ALA:HB2	5	0.49
(1,970)	1:97:B:GLN:HG2	1:95:B:ASP:HB3	1	0.49
(1,960)	1:22:B:LYS:HB3	1:33:B:GLU:HG2	15	0.49
(1,950)	1:12:B:MET:HB2	1:9:A:LEU:HD13	5	0.49
(1,949)	1:12:A:MET:HB2	1:9:B:LEU:HD13	5	0.49
(1,949)	1:12:A:MET:HB2	1:9:B:LEU:HD12	17	0.49
(1,742)	1:36:B:GLU:HB2	1:39:B:THR:HG21	7	0.49
(1,670)	1:94:B:PRO:HG2	1:97:B:GLN:HB2	11	0.49
(1,636)	1:43:B:PRO:HG2	1:45:B:PHE:H	11	0.49
(1,635)	1:43:A:PRO:HG2	1:45:A:PHE:H	11	0.49
(1,613)	1:29:A:LEU:HD23	1:22:A:LYS:HD3	4	0.49
(1,613)	1:29:A:LEU:HD21	1:22:A:LYS:HD3	12	0.49
(1,518)	1:42:B:LEU:HD11	1:82:B:ILE:HD13	8	0.49
(1,476)	1:28:B:LYS:HG2	1:25:B:ASP:HB2	9	0.49
(1,454)	1:5:B:LEU:HD22	1:9:B:LEU:HD21	9	0.49
(1,262)	1:38:B:LEU:HD13	1:45:B:PHE:HA	20	0.49
(1,261)	1:38:A:LEU:HD13	1:45:A:PHE:HA	20	0.49
(1,231)	1:13:A:VAL:HG23	1:84:B:MET:HA	10	0.49
(1,202)	1:34:B:LEU:H	1:34:B:LEU:HD11	18	0.49
(1,201)	1:34:A:LEU:H	1:34:A:LEU:HD11	18	0.49
(1,171)	1:50:A:THR:HG21	1:48:A:LYS:HA	11	0.49
(1,158)	1:39:B:THR:HG22	1:35:B:LYS:HB3	16	0.49
(1,158)	1:39:B:THR:HG22	1:35:B:LYS:HB3	20	0.49
(1,157)	1:39:A:THR:HG22	1:35:A:LYS:HB3	8	0.49
(1,157)	1:39:A:THR:HG22	1:35:A:LYS:HB3	16	0.49
(1,125)	1:77:A:VAL:HG11	1:76:A:SER:H	11	0.49
(1,76)	1:53:B:ALA:HB1	1:51:B:ASP:HA	7	0.49
(1,76)	1:53:B:ALA:HB1	1:51:B:ASP:HA	9	0.49
(1,76)	1:53:B:ALA:HB1	1:51:B:ASP:HA	10	0.49
(1,76)	1:53:B:ALA:HB1	1:51:B:ASP:HA	14	0.49
(1,76)	1:53:B:ALA:HB3	1:51:B:ASP:HA	15	0.49
(1,75)	1:53:A:ALA:HB1	1:51:A:ASP:HA	9	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,75)	1:53:A:ALA:HB1	1:51:A:ASP:HA	10	0.49
(1,75)	1:53:A:ALA:HB1	1:51:A:ASP:HA	14	0.49
(1,75)	1:53:A:ALA:HB3	1:51:A:ASP:HA	15	0.49
(1,50)	1:82:B:ILE:HG23	1:86:B:SER:HB2	12	0.49
(1,48)	1:86:B:SER:H	1:82:B:ILE:HG23	7	0.49
(1,47)	1:86:A:SER:H	1:82:A:ILE:HG23	7	0.49
(1,32)	1:82:B:ILE:HD13	1:45:B:PHE:HA	12	0.49
(1,8)	1:79:B:LEU:HD12	1:9:A:LEU:HD21	2	0.49
(2,28)	1:36:B:GLU:HB2	1:40:B:ARG:HB2	20	0.48
(1,4560)	1:73:B:GLN:HE21	1:78:B:PHE:HB2	1	0.48
(1,4559)	1:73:A:GLN:HE21	1:78:A:PHE:HB2	1	0.48
(1,4559)	1:73:A:GLN:HE21	1:78:A:PHE:HB2	6	0.48
(1,4538)	1:97:B:GLN:HE22	1:88:B:GLU:H	18	0.48
(1,4526)	1:68:B:ASN:HD21	1:56:B:GLN:HA	4	0.48
(1,4526)	1:68:B:ASN:HD21	1:56:B:GLN:HA	11	0.48
(1,4525)	1:68:A:ASN:HD21	1:56:A:GLN:HA	3	0.48
(1,4525)	1:68:A:ASN:HD21	1:56:A:GLN:HA	4	0.48
(1,4525)	1:68:A:ASN:HD21	1:56:A:GLN:HA	11	0.48
(1,4518)	1:20:B:SER:H	1:26:B:LYS:HD2	3	0.48
(1,4517)	1:20:A:SER:H	1:26:A:LYS:HD2	3	0.48
(1,4517)	1:20:A:SER:H	1:26:A:LYS:HD2	4	0.48
(1,4516)	1:20:B:SER:H	1:18:B:LYS:HB3	7	0.48
(1,4516)	1:20:B:SER:H	1:18:B:LYS:HB3	15	0.48
(1,4515)	1:20:A:SER:H	1:18:A:LYS:HB3	7	0.48
(1,4451)	1:69:A:GLU:H	1:67:A:ASP:HB3	18	0.48
(1,4410)	1:61:B:ASN:H	1:58:B:LEU:HD11	7	0.48
(1,4404)	1:15:B:THR:H	1:12:B:MET:HB2	18	0.48
(1,4403)	1:15:A:THR:H	1:12:A:MET:HB2	18	0.48
(1,4400)	1:72:B:PHE:H	1:13:B:VAL:HG13	1	0.48
(1,4399)	1:72:A:PHE:H	1:13:A:VAL:HG13	1	0.48
(1,4358)	1:67:B:ASP:H	1:66:B:ARG:HB2	8	0.48
(1,4340)	1:13:B:VAL:H	1:79:B:LEU:HD12	3	0.48
(1,4316)	1:74:B:GLU:H	1:70:B:VAL:HG21	1	0.48
(1,4202)	1:39:B:THR:HB	1:36:B:GLU:HG2	7	0.48
(1,4194)	1:77:B:VAL:HA	1:83:A:ALA:HB2	13	0.48
(1,4166)	1:76:B:SER:HA	1:79:B:LEU:HB3	14	0.48
(1,4165)	1:76:A:SER:HA	1:79:A:LEU:HB3	14	0.48
(1,4158)	1:32:B:SER:HB3	1:23:B:GLU:HG2	2	0.48
(1,4158)	1:32:B:SER:HB2	1:23:B:GLU:HG2	3	0.48
(1,4158)	1:32:B:SER:HB3	1:23:B:GLU:HG2	6	0.48
(1,4143)	1:20:A:SER:HA	1:17:A:HIS:HA	18	0.48
(1,4084)	1:61:B:ASN:HA	1:57:B:LYS:HA	14	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4083)	1:61:A:ASN:HA	1:57:A:LYS:HA	14	0.48
(1,4074)	1:40:B:ARG:HA	1:41:B:GLU:HB3	15	0.48
(1,4073)	1:40:A:ARG:HA	1:41:A:GLU:HB3	15	0.48
(1,4008)	1:69:B:GLU:HG2	1:28:B:LYS:HA	15	0.48
(1,4007)	1:69:A:GLU:HG2	1:28:A:LYS:HA	15	0.48
(1,3978)	1:29:B:LEU:HA	1:31:B:LYS:HA	4	0.48
(1,3978)	1:29:B:LEU:HA	1:31:B:LYS:HA	8	0.48
(1,3978)	1:29:B:LEU:HA	1:31:B:LYS:HA	9	0.48
(1,3977)	1:29:A:LEU:HA	1:31:A:LYS:HA	4	0.48
(1,3977)	1:29:A:LEU:HA	1:31:A:LYS:HA	8	0.48
(1,3977)	1:29:A:LEU:HA	1:31:A:LYS:HA	9	0.48
(1,3975)	1:42:A:LEU:HA	1:40:A:ARG:H	7	0.48
(1,3958)	1:98:B:PRO:HD2	1:99:B:ARG:HA	6	0.48
(1,3957)	1:98:A:PRO:HD2	1:99:A:ARG:HA	6	0.48
(1,3948)	1:21:B:GLY:HA3	1:22:B:LYS:HB3	11	0.48
(1,3888)	1:7:B:LYS:HE2	1:11:B:VAL:HG22	10	0.48
(1,3887)	1:7:A:LYS:HE2	1:11:A:VAL:HG22	10	0.48
(1,3772)	1:85:B:MET:HG2	1:89:B:PHE:HB2	6	0.48
(1,3714)	1:69:B:GLU:HB2	1:70:B:VAL:HG23	12	0.48
(1,3714)	1:69:B:GLU:HB2	1:70:B:VAL:HG23	19	0.48
(1,3713)	1:69:A:GLU:HB2	1:70:A:VAL:HG23	12	0.48
(1,3713)	1:69:A:GLU:HB2	1:70:A:VAL:HG23	19	0.48
(1,3634)	1:43:B:PRO:HB3	1:7:A:LYS:HG3	12	0.48
(1,3633)	1:43:A:PRO:HB3	1:7:B:LYS:HG3	12	0.48
(1,3620)	1:17:B:HIS:HB2	1:13:B:VAL:HG13	14	0.48
(1,3619)	1:17:A:HIS:HB2	1:13:A:VAL:HG13	14	0.48
(1,3605)	1:28:A:LYS:HD3	1:67:A:ASP:HB2	5	0.48
(1,3600)	1:31:B:LYS:HD2	1:32:B:SER:HB2	7	0.48
(1,3599)	1:31:A:LYS:HD2	1:32:A:SER:HB2	7	0.48
(1,3542)	1:37:B:LEU:HD12	1:17:B:HIS:HA	16	0.48
(1,3541)	1:37:A:LEU:HD12	1:17:A:HIS:HA	16	0.48
(1,3539)	1:29:A:LEU:HD22	1:22:A:LYS:H	13	0.48
(1,3511)	1:42:A:LEU:HD21	1:6:B:GLU:HA	17	0.48
(1,3462)	1:29:B:LEU:HD12	1:69:B:GLU:HA	16	0.48
(1,3438)	1:39:B:THR:H	1:46:B:LEU:HD11	13	0.48
(1,3437)	1:39:A:THR:H	1:46:A:LEU:HD11	13	0.48
(1,3404)	1:77:B:VAL:HG21	1:62:B:LEU:HB3	9	0.48
(1,3403)	1:77:A:VAL:HG21	1:62:A:LEU:HB3	9	0.48
(1,3395)	1:11:A:VAL:HG22	1:10:A:ASP:HB3	10	0.48
(1,3393)	1:77:A:VAL:HG21	1:74:A:GLU:HA	16	0.48
(1,3391)	1:68:A:ASN:HD21	1:70:A:VAL:HG21	8	0.48
(1,3390)	1:10:B:ASP:H	1:11:B:VAL:HG21	4	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3389)	1:10:A:ASP:H	1:11:A:VAL:HG21	4	0.48
(1,3389)	1:10:A:ASP:H	1:11:A:VAL:HG22	17	0.48
(1,3376)	1:50:B:THR:HG23	1:48:B:LYS:HB2	8	0.48
(1,3375)	1:50:A:THR:HG23	1:48:A:LYS:HB2	8	0.48
(1,3312)	1:82:B:ILE:HD13	1:10:A:ASP:HB2	9	0.48
(1,3304)	1:9:B:LEU:HD12	1:15:A:THR:HB	3	0.48
(1,3303)	1:9:A:LEU:HD12	1:15:B:THR:HB	3	0.48
(1,2820)	1:40:B:ARG:H	1:46:B:LEU:HD11	1	0.48
(1,2820)	1:40:B:ARG:H	1:46:B:LEU:HD13	9	0.48
(1,2819)	1:40:A:ARG:H	1:46:A:LEU:HD11	1	0.48
(1,2819)	1:40:A:ARG:H	1:46:A:LEU:HD13	9	0.48
(1,2819)	1:40:A:ARG:H	1:46:A:LEU:HD12	12	0.48
(1,2818)	1:40:B:ARG:H	1:39:B:THR:HG22	5	0.48
(1,2818)	1:40:B:ARG:H	1:39:B:THR:HG22	12	0.48
(1,2817)	1:40:A:ARG:H	1:39:A:THR:HG21	2	0.48
(1,2817)	1:40:A:ARG:H	1:39:A:THR:HG22	5	0.48
(1,2817)	1:40:A:ARG:H	1:39:A:THR:HG22	12	0.48
(1,2746)	1:34:B:LEU:H	1:33:B:GLU:HG2	9	0.48
(1,2745)	1:34:A:LEU:H	1:33:A:GLU:HG2	9	0.48
(1,2736)	1:46:B:LEU:H	1:82:B:ILE:HD11	19	0.48
(1,2735)	1:46:A:LEU:H	1:82:A:ILE:HD11	19	0.48
(1,2649)	1:10:A:ASP:H	1:82:B:ILE:HD12	19	0.48
(1,2522)	1:57:B:LYS:H	1:56:B:GLN:HG3	20	0.48
(1,2521)	1:57:A:LYS:H	1:56:A:GLN:HG3	20	0.48
(1,2510)	1:42:B:LEU:H	1:82:B:ILE:HD12	11	0.48
(1,2509)	1:42:A:LEU:H	1:82:A:ILE:HD12	11	0.48
(1,2416)	1:52:B:GLU:H	1:53:B:ALA:HB2	20	0.48
(1,2394)	1:18:B:LYS:H	1:37:B:LEU:HD11	15	0.48
(1,2214)	1:30:B:ASN:H	1:34:B:LEU:HD12	20	0.48
(1,2213)	1:30:A:ASN:H	1:34:A:LEU:HD12	20	0.48
(1,2164)	1:70:B:VAL:H	1:29:B:LEU:HB3	5	0.48
(1,2012)	1:94:B:PRO:HA	1:95:B:ASP:HB2	20	0.48
(1,2011)	1:94:A:PRO:HA	1:95:A:ASP:HB3	18	0.48
(1,2004)	1:98:B:PRO:HA	1:101:B:LYS:HG3	2	0.48
(1,2003)	1:98:A:PRO:HA	1:101:A:LYS:HG3	2	0.48
(1,1762)	1:61:B:ASN:HB3	1:58:B:LEU:HA	13	0.48
(1,1761)	1:61:A:ASN:HB3	1:58:A:LEU:HA	13	0.48
(1,1647)	1:49:A:ARG:HD2	1:49:A:ARG:HA	16	0.48
(1,1522)	1:21:B:GLY:HA3	1:26:B:LYS:HG3	16	0.48
(1,1520)	1:26:B:LYS:HB3	1:21:B:GLY:HA3	1	0.48
(1,1519)	1:26:A:LYS:HB3	1:21:A:GLY:HA3	1	0.48
(1,1486)	1:42:B:LEU:HB3	1:41:B:GLU:HB3	17	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1485)	1:42:A:LEU:HB3	1:41:A:GLU:HB3	10	0.48
(1,1485)	1:42:A:LEU:HB3	1:41:A:GLU:HB3	17	0.48
(1,1480)	1:42:B:LEU:HB2	1:45:B:PHE:HA	19	0.48
(1,1472)	1:42:B:LEU:HB3	1:38:B:LEU:H	8	0.48
(1,1471)	1:42:A:LEU:HB3	1:38:A:LEU:H	8	0.48
(1,1408)	1:39:B:THR:HG22	1:40:B:ARG:HD3	12	0.48
(1,1408)	1:39:B:THR:HG22	1:40:B:ARG:HD2	16	0.48
(1,1407)	1:39:A:THR:HG22	1:40:A:ARG:HD3	12	0.48
(1,1336)	1:26:B:LYS:HE2	1:17:B:HIS:HB3	19	0.48
(1,1335)	1:26:A:LYS:HE2	1:17:A:HIS:HB3	19	0.48
(1,1320)	1:92:B:GLY:H	1:96:B:LYS:HE2	6	0.48
(1,1082)	1:33:B:GLU:HG3	1:29:B:LEU:HB2	4	0.48
(1,1082)	1:33:B:GLU:HG3	1:29:B:LEU:HB2	20	0.48
(1,1081)	1:33:A:GLU:HG3	1:29:A:LEU:HB2	4	0.48
(1,1077)	1:52:A:GLU:HG3	1:53:A:ALA:HB2	5	0.48
(1,1070)	1:88:B:GLU:HG3	1:96:B:LYS:HE3	1	0.48
(1,1070)	1:88:B:GLU:HG3	1:96:B:LYS:HE3	11	0.48
(1,1069)	1:88:A:GLU:HG3	1:96:A:LYS:HE3	1	0.48
(1,1069)	1:88:A:GLU:HG3	1:96:A:LYS:HE3	11	0.48
(1,1013)	1:23:A:GLU:HB2	1:32:A:SER:HB2	18	0.48
(1,970)	1:97:B:GLN:HG2	1:95:B:ASP:HB3	10	0.48
(1,969)	1:97:A:GLN:HG2	1:95:A:ASP:HB3	10	0.48
(1,920)	1:48:B:LYS:HB2	1:48:B:LYS:HE2	8	0.48
(1,919)	1:48:A:LYS:HB2	1:48:A:LYS:HE2	8	0.48
(1,802)	1:41:B:GLU:HB2	1:5:A:LEU:HD22	1	0.48
(1,801)	1:41:A:GLU:HB2	1:5:B:LEU:HD22	1	0.48
(1,748)	1:36:B:GLU:HB2	1:37:B:LEU:HD13	3	0.48
(1,747)	1:36:A:GLU:HB2	1:37:A:LEU:HD13	3	0.48
(1,742)	1:36:B:GLU:HB2	1:39:B:THR:HG22	5	0.48
(1,741)	1:36:A:GLU:HB2	1:39:A:THR:HG22	5	0.48
(1,741)	1:36:A:GLU:HB2	1:39:A:THR:HG21	7	0.48
(1,732)	1:52:B:GLU:HB3	1:31:B:LYS:HE2	13	0.48
(1,731)	1:52:A:GLU:HB3	1:31:A:LYS:HE2	13	0.48
(1,669)	1:94:A:PRO:HG2	1:97:A:GLN:HB2	11	0.48
(1,636)	1:43:B:PRO:HG2	1:45:B:PHE:H	4	0.48
(1,635)	1:43:A:PRO:HG2	1:45:A:PHE:H	4	0.48
(1,635)	1:43:A:PRO:HG2	1:45:A:PHE:H	18	0.48
(1,614)	1:29:B:LEU:HD23	1:22:B:LYS:HD3	4	0.48
(1,614)	1:29:B:LEU:HD21	1:22:B:LYS:HD3	12	0.48
(1,556)	1:95:B:ASP:H	1:99:B:ARG:HG2	11	0.48
(1,517)	1:42:A:LEU:HD11	1:82:A:ILE:HD13	8	0.48
(1,502)	1:42:B:LEU:HD13	1:42:B:LEU:HA	20	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,501)	1:42:A:LEU:HD13	1:42:A:LEU:HA	20	0.48
(1,412)	1:39:B:THR:HG22	1:46:B:LEU:HD21	18	0.48
(1,411)	1:39:A:THR:HG22	1:46:A:LEU:HD23	7	0.48
(1,411)	1:39:A:THR:HG22	1:46:A:LEU:HD21	18	0.48
(1,231)	1:13:A:VAL:HG22	1:84:B:MET:HA	6	0.48
(1,202)	1:34:B:LEU:H	1:34:B:LEU:HD12	2	0.48
(1,202)	1:34:B:LEU:H	1:34:B:LEU:HD13	20	0.48
(1,201)	1:34:A:LEU:H	1:34:A:LEU:HD12	2	0.48
(1,201)	1:34:A:LEU:H	1:34:A:LEU:HD13	20	0.48
(1,176)	1:70:B:VAL:HG11	1:71:B:ASP:HB3	1	0.48
(1,176)	1:70:B:VAL:HG13	1:71:B:ASP:HB3	2	0.48
(1,176)	1:70:B:VAL:HG11	1:71:B:ASP:HB3	14	0.48
(1,175)	1:70:A:VAL:HG11	1:71:A:ASP:HB3	1	0.48
(1,175)	1:70:A:VAL:HG13	1:71:A:ASP:HB3	2	0.48
(1,175)	1:70:A:VAL:HG11	1:71:A:ASP:HB3	14	0.48
(1,158)	1:39:B:THR:HG23	1:35:B:LYS:HB3	4	0.48
(1,158)	1:39:B:THR:HG22	1:35:B:LYS:HB3	8	0.48
(1,158)	1:39:B:THR:HG22	1:35:B:LYS:HB3	17	0.48
(1,157)	1:39:A:THR:HG23	1:35:A:LYS:HB3	4	0.48
(1,157)	1:39:A:THR:HG22	1:35:A:LYS:HB3	17	0.48
(1,157)	1:39:A:THR:HG22	1:35:A:LYS:HB3	20	0.48
(1,126)	1:77:B:VAL:HG11	1:76:B:SER:H	11	0.48
(1,124)	1:2:B:ALA:HB1	1:5:B:LEU:HD11	13	0.48
(1,123)	1:2:A:ALA:HB1	1:5:A:LEU:HD11	13	0.48
(1,115)	1:2:A:ALA:HB2	1:7:A:LYS:HE3	5	0.48
(1,76)	1:53:B:ALA:HB3	1:51:B:ASP:HA	12	0.48
(1,75)	1:53:A:ALA:HB3	1:51:A:ASP:HA	12	0.48
(1,32)	1:82:B:ILE:HD13	1:45:B:PHE:HA	15	0.48
(1,32)	1:82:B:ILE:HD11	1:45:B:PHE:HA	18	0.48
(1,32)	1:82:B:ILE:HD11	1:45:B:PHE:HA	19	0.48
(1,31)	1:82:A:ILE:HD13	1:45:A:PHE:HA	12	0.48
(1,31)	1:82:A:ILE:HD13	1:45:A:PHE:HA	15	0.48
(1,31)	1:82:A:ILE:HD11	1:45:A:PHE:HA	18	0.48
(1,7)	1:79:A:LEU:HD12	1:9:B:LEU:HD21	2	0.48
(1,6)	1:7:B:LYS:HD2	1:44:A:SER:HA	13	0.48
(1,5)	1:7:A:LYS:HD2	1:44:B:SER:HA	13	0.48
(2,170)	1:70:B:VAL:H	1:30:B:ASN:HB2	17	0.47
(2,169)	1:70:A:VAL:H	1:30:A:ASN:HB2	17	0.47
(2,68)	1:59:B:MET:HB3	1:34:B:LEU:HB3	12	0.47
(2,67)	1:59:A:MET:HB3	1:34:A:LEU:HB3	12	0.47
(2,67)	1:59:A:MET:HB3	1:34:A:LEU:HB3	18	0.47
(2,12)	1:7:B:LYS:HG3	1:5:B:LEU:H	3	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,11)	1:7:A:LYS:HG3	1:5:A:LEU:H	3	0.47
(1,4600)	1:99:B:ARG:H	1:101:B:LYS:HE3	18	0.47
(1,4599)	1:99:A:ARG:H	1:101:A:LYS:HE3	18	0.47
(1,4568)	1:30:B:ASN:HD22	1:69:B:GLU:HG2	6	0.47
(1,4537)	1:97:A:GLN:HE22	1:88:A:GLU:H	18	0.47
(1,4526)	1:68:B:ASN:HD21	1:56:B:GLN:HA	2	0.47
(1,4525)	1:68:A:ASN:HD21	1:56:A:GLN:HA	2	0.47
(1,4463)	1:31:A:LYS:H	1:34:A:LEU:HD23	18	0.47
(1,4454)	1:69:B:GLU:H	1:28:B:LYS:HG3	17	0.47
(1,4453)	1:69:A:GLU:H	1:28:A:LYS:HG3	17	0.47
(1,4428)	1:34:B:LEU:H	1:22:B:LYS:HE3	6	0.47
(1,4428)	1:34:B:LEU:H	1:22:B:LYS:HE3	9	0.47
(1,4427)	1:34:A:LEU:H	1:22:A:LYS:HE3	9	0.47
(1,4404)	1:15:B:THR:H	1:13:B:VAL:HB	3	0.47
(1,4404)	1:15:B:THR:H	1:13:B:VAL:HB	10	0.47
(1,4403)	1:15:A:THR:H	1:13:A:VAL:HB	3	0.47
(1,4403)	1:15:A:THR:H	1:13:A:VAL:HB	10	0.47
(1,4390)	1:76:B:SER:H	1:79:B:LEU:HD12	19	0.47
(1,4389)	1:76:A:SER:H	1:79:A:LEU:HD12	19	0.47
(1,4383)	1:76:A:SER:H	1:83:B:ALA:HB2	12	0.47
(1,4372)	1:95:B:ASP:H	1:94:B:PRO:HB3	2	0.47
(1,4371)	1:95:A:ASP:H	1:94:A:PRO:HB3	2	0.47
(1,4358)	1:67:B:ASP:H	1:66:B:ARG:HB2	12	0.47
(1,4357)	1:67:A:ASP:H	1:66:A:ARG:HB2	8	0.47
(1,4357)	1:67:A:ASP:H	1:66:A:ARG:HB2	12	0.47
(1,4356)	1:79:B:LEU:H	1:82:B:ILE:HG13	16	0.47
(1,4355)	1:79:A:LEU:H	1:82:A:ILE:HG13	16	0.47
(1,4339)	1:13:A:VAL:H	1:79:A:LEU:HD12	3	0.47
(1,4328)	1:90:B:PHE:H	1:91:B:GLU:HG3	6	0.47
(1,4328)	1:58:B:LEU:H	1:56:B:GLN:HB3	16	0.47
(1,4327)	1:90:A:PHE:H	1:91:A:GLU:HG3	6	0.47
(1,4327)	1:58:A:LEU:H	1:56:A:GLN:HB3	16	0.47
(1,4315)	1:74:A:GLU:H	1:70:A:VAL:HG21	1	0.47
(1,4202)	1:39:B:THR:HB	1:36:B:GLU:HG2	2	0.47
(1,4201)	1:39:A:THR:HB	1:36:A:GLU:HG2	2	0.47
(1,4157)	1:32:A:SER:HB2	1:23:A:GLU:HG2	3	0.47
(1,4074)	1:40:B:ARG:HA	1:41:B:GLU:HB3	11	0.47
(1,4074)	1:40:B:ARG:HA	1:41:B:GLU:HB3	16	0.47
(1,4073)	1:40:A:ARG:HA	1:41:A:GLU:HB3	2	0.47
(1,4073)	1:40:A:ARG:HA	1:41:A:GLU:HB3	11	0.47
(1,4073)	1:40:A:ARG:HA	1:41:A:GLU:HB3	16	0.47
(1,4008)	1:69:B:GLU:HG2	1:28:B:LYS:HA	2	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4008)	1:69:B:GLU:HG2	1:28:B:LYS:HA	6	0.47
(1,4007)	1:69:A:GLU:HG2	1:28:A:LYS:HA	6	0.47
(1,4004)	1:61:B:ASN:HA	1:64:B:SER:H	18	0.47
(1,4003)	1:61:A:ASN:HA	1:64:A:SER:H	18	0.47
(1,3978)	1:29:B:LEU:HA	1:31:B:LYS:HA	19	0.47
(1,3977)	1:29:A:LEU:HA	1:31:A:LYS:HA	19	0.47
(1,3958)	1:94:B:PRO:HD3	1:89:B:PHE:HA	4	0.47
(1,3957)	1:94:A:PRO:HD3	1:89:A:PHE:HA	4	0.47
(1,3949)	1:21:A:GLY:HA3	1:22:A:LYS:HD3	15	0.47
(1,3948)	1:21:B:GLY:HA3	1:22:B:LYS:HB3	17	0.47
(1,3947)	1:21:A:GLY:HA3	1:22:A:LYS:HB3	15	0.47
(1,3836)	1:25:B:ASP:HB3	1:69:B:GLU:HB3	12	0.47
(1,3835)	1:25:A:ASP:HB3	1:69:A:GLU:HB3	12	0.47
(1,3792)	1:61:B:ASN:HB3	1:81:B:SER:HB2	20	0.47
(1,3791)	1:61:A:ASN:HB3	1:81:A:SER:HB2	20	0.47
(1,3771)	1:85:A:MET:HG2	1:89:A:PHE:HB2	6	0.47
(1,3714)	1:69:B:GLU:HB2	1:70:B:VAL:HG22	14	0.47
(1,3713)	1:69:A:GLU:HB2	1:70:A:VAL:HG22	14	0.47
(1,3692)	1:70:B:VAL:HB	1:71:B:ASP:HB3	13	0.47
(1,3691)	1:70:A:VAL:HB	1:71:A:ASP:HB3	13	0.47
(1,3635)	1:33:A:GLU:HB3	1:34:A:LEU:HB2	6	0.47
(1,3606)	1:28:B:LYS:HD3	1:67:B:ASP:HB2	5	0.47
(1,3584)	1:7:B:LYS:HD3	1:7:B:LYS:HB3	3	0.47
(1,3583)	1:7:A:LYS:HD3	1:7:A:LYS:HB3	3	0.47
(1,3566)	1:37:B:LEU:HG	1:19:B:TYR:HA	7	0.47
(1,3565)	1:37:A:LEU:HG	1:19:A:TYR:HA	7	0.47
(1,3540)	1:29:B:LEU:HD22	1:22:B:LYS:H	13	0.47
(1,3476)	1:46:B:LEU:HD22	1:45:B:PHE:HB3	20	0.47
(1,3475)	1:46:A:LEU:HD21	1:45:A:PHE:HB3	2	0.47
(1,3475)	1:46:A:LEU:HD22	1:45:A:PHE:HB3	20	0.47
(1,3472)	1:31:B:LYS:HG3	1:34:B:LEU:HD23	17	0.47
(1,3471)	1:31:A:LYS:HG3	1:34:A:LEU:HD23	17	0.47
(1,3461)	1:29:A:LEU:HD12	1:69:A:GLU:HA	16	0.47
(1,3458)	1:26:B:LYS:HG3	1:28:B:LYS:H	11	0.47
(1,3457)	1:26:A:LYS:HG3	1:28:A:LYS:H	11	0.47
(1,3438)	1:39:B:THR:H	1:46:B:LEU:HD12	12	0.47
(1,3438)	1:39:B:THR:H	1:46:B:LEU:HD12	14	0.47
(1,3438)	1:39:B:THR:H	1:46:B:LEU:HD12	18	0.47
(1,3437)	1:39:A:THR:H	1:46:A:LEU:HD12	18	0.47
(1,3396)	1:11:B:VAL:HG23	1:10:B:ASP:HB3	7	0.47
(1,3395)	1:11:A:VAL:HG23	1:10:A:ASP:HB3	7	0.47
(1,3392)	1:68:B:ASN:HD21	1:70:B:VAL:HG21	8	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3390)	1:10:B:ASP:H	1:11:B:VAL:HG22	3	0.47
(1,3390)	1:10:B:ASP:H	1:11:B:VAL:HG21	11	0.47
(1,3390)	1:10:B:ASP:H	1:11:B:VAL:HG22	16	0.47
(1,3390)	1:10:B:ASP:H	1:11:B:VAL:HG22	17	0.47
(1,3389)	1:10:A:ASP:H	1:11:A:VAL:HG22	3	0.47
(1,3389)	1:10:A:ASP:H	1:11:A:VAL:HG21	11	0.47
(1,3389)	1:10:A:ASP:H	1:11:A:VAL:HG22	16	0.47
(1,3322)	1:54:B:ALA:HB1	1:46:B:LEU:HD22	2	0.47
(1,3321)	1:54:A:ALA:HB1	1:46:A:LEU:HD22	2	0.47
(1,3311)	1:82:A:ILE:HD13	1:10:B:ASP:HB2	9	0.47
(1,3311)	1:82:A:ILE:HD12	1:10:B:ASP:HB2	18	0.47
(1,3264)	1:81:B:SER:H	1:82:B:ILE:HD11	12	0.47
(1,3263)	1:81:A:SER:H	1:82:A:ILE:HD11	12	0.47
(1,3214)	1:47:B:GLY:H	1:82:B:ILE:HD13	2	0.47
(1,3213)	1:47:A:GLY:H	1:82:A:ILE:HD13	2	0.47
(1,3122)	1:73:B:GLN:HE22	1:73:B:GLN:HA	3	0.47
(1,3121)	1:73:A:GLN:HE22	1:73:A:GLN:HA	3	0.47
(1,2872)	1:14:B:SER:H	1:10:B:ASP:HB3	9	0.47
(1,2871)	1:14:A:SER:H	1:10:A:ASP:HB3	9	0.47
(1,2818)	1:40:B:ARG:H	1:39:B:THR:HG21	2	0.47
(1,2818)	1:40:B:ARG:H	1:39:B:THR:HG22	10	0.47
(1,2818)	1:40:B:ARG:H	1:39:B:THR:HG23	14	0.47
(1,2650)	1:10:B:ASP:H	1:82:A:ILE:HD12	19	0.47
(1,2592)	1:56:B:GLN:H	1:55:B:PHE:HB2	18	0.47
(1,2591)	1:56:A:GLN:H	1:55:A:PHE:HB2	18	0.47
(1,2478)	1:87:B:ASN:H	1:13:A:VAL:HG23	3	0.47
(1,2416)	1:52:B:GLU:H	1:53:B:ALA:HB1	3	0.47
(1,2415)	1:52:A:GLU:H	1:53:A:ALA:HB2	20	0.47
(1,2316)	1:78:B:PHE:H	1:84:A:MET:HG2	14	0.47
(1,2315)	1:78:A:PHE:H	1:84:B:MET:HG2	14	0.47
(1,2214)	1:30:B:ASN:H	1:34:B:LEU:HD12	8	0.47
(1,2213)	1:30:A:ASN:H	1:34:A:LEU:HD12	8	0.47
(1,2213)	1:30:A:ASN:H	1:34:A:LEU:HD13	12	0.47
(1,2163)	1:70:A:VAL:H	1:29:A:LEU:HB3	5	0.47
(1,2084)	1:39:B:THR:HB	1:43:B:PRO:HD3	1	0.47
(1,2083)	1:39:A:THR:HB	1:43:A:PRO:HD3	1	0.47
(1,2076)	1:50:B:THR:HB	1:35:B:LYS:HE3	10	0.47
(1,2076)	1:50:B:THR:HB	1:35:B:LYS:HE2	19	0.47
(1,2075)	1:50:A:THR:HB	1:35:A:LYS:HE3	10	0.47
(1,2012)	1:94:B:PRO:HA	1:95:B:ASP:HB3	11	0.47
(1,2011)	1:94:A:PRO:HA	1:95:A:ASP:HB3	11	0.47
(1,1738)	1:34:B:LEU:HA	1:34:B:LEU:HD11	17	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1737)	1:34:A:LEU:HA	1:34:A:LEU:HD11	17	0.47
(1,1648)	1:49:B:ARG:HD2	1:49:B:ARG:HA	16	0.47
(1,1623)	1:41:A:GLU:HA	1:2:B:ALA:HB3	7	0.47
(1,1562)	1:30:B:ASN:HA	1:31:B:LYS:HG2	13	0.47
(1,1561)	1:30:A:ASN:HA	1:31:A:LYS:HG2	13	0.47
(1,1521)	1:21:A:GLY:HA3	1:26:A:LYS:HG3	16	0.47
(1,1486)	1:42:B:LEU:HB3	1:41:B:GLU:HB3	3	0.47
(1,1486)	1:42:B:LEU:HB3	1:41:B:GLU:HB3	10	0.47
(1,1485)	1:42:A:LEU:HB3	1:41:A:GLU:HB3	3	0.47
(1,1452)	1:29:B:LEU:HB2	1:37:B:LEU:HB3	18	0.47
(1,1451)	1:29:A:LEU:HB2	1:37:A:LEU:HB3	18	0.47
(1,1407)	1:39:A:THR:HG22	1:40:A:ARG:HD2	16	0.47
(1,1320)	1:92:B:GLY:H	1:96:B:LYS:HE3	18	0.47
(1,1319)	1:92:A:GLY:H	1:96:A:LYS:HE3	18	0.47
(1,1266)	1:79:B:LEU:HB2	1:9:A:LEU:HD13	4	0.47
(1,1266)	1:79:B:LEU:HB2	1:9:A:LEU:HD13	17	0.47
(1,1266)	1:79:B:LEU:HB2	1:9:A:LEU:HD13	19	0.47
(1,1265)	1:79:A:LEU:HB2	1:9:B:LEU:HD13	4	0.47
(1,1265)	1:79:A:LEU:HB2	1:9:B:LEU:HD13	19	0.47
(1,1238)	1:18:B:LYS:HB3	1:16:B:PHE:HB2	18	0.47
(1,1238)	1:18:B:LYS:HB3	1:16:B:PHE:HB2	19	0.47
(1,1237)	1:18:A:LYS:HB3	1:16:A:PHE:HB2	18	0.47
(1,1237)	1:18:A:LYS:HB3	1:16:A:PHE:HB2	19	0.47
(1,1197)	1:87:A:ASN:HB2	1:76:B:SER:HB2	13	0.47
(1,1054)	1:52:B:GLU:HG3	1:51:B:ASP:H	14	0.47
(1,1014)	1:23:B:GLU:HB2	1:32:B:SER:HB2	15	0.47
(1,1014)	1:23:B:GLU:HB2	1:32:B:SER:HB2	18	0.47
(1,950)	1:12:B:MET:HB2	1:9:A:LEU:HD12	17	0.47
(1,727)	1:26:A:LYS:HD3	1:22:A:LYS:HA	15	0.47
(1,636)	1:43:B:PRO:HG2	1:45:B:PHE:H	15	0.47
(1,636)	1:43:B:PRO:HG2	1:45:B:PHE:H	18	0.47
(1,635)	1:43:A:PRO:HG2	1:45:A:PHE:H	15	0.47
(1,614)	1:29:B:LEU:HD22	1:22:B:LYS:HD3	13	0.47
(1,613)	1:29:A:LEU:HD22	1:22:A:LYS:HD3	13	0.47
(1,555)	1:95:A:ASP:H	1:99:A:ARG:HG2	11	0.47
(1,536)	1:38:B:LEU:HD23	1:82:B:ILE:HD11	20	0.47
(1,535)	1:38:A:LEU:HD23	1:82:A:ILE:HD11	20	0.47
(1,502)	1:42:B:LEU:HD11	1:42:B:LEU:HA	10	0.47
(1,502)	1:42:B:LEU:HD12	1:42:B:LEU:HA	12	0.47
(1,502)	1:42:B:LEU:HD11	1:42:B:LEU:HA	18	0.47
(1,501)	1:42:A:LEU:HD11	1:42:A:LEU:HA	10	0.47
(1,501)	1:42:A:LEU:HD12	1:42:A:LEU:HA	12	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,501)	1:42:A:LEU:HD11	1:42:A:LEU:HA	14	0.47
(1,501)	1:42:A:LEU:HD11	1:42:A:LEU:HA	18	0.47
(1,480)	1:79:B:LEU:HG	1:12:B:MET:HB3	10	0.47
(1,479)	1:79:A:LEU:HG	1:12:A:MET:HB3	10	0.47
(1,412)	1:39:B:THR:HG22	1:46:B:LEU:HD23	7	0.47
(1,232)	1:13:B:VAL:HG22	1:84:A:MET:HA	6	0.47
(1,202)	1:34:B:LEU:H	1:34:B:LEU:HD12	19	0.47
(1,201)	1:34:A:LEU:H	1:34:A:LEU:HD12	19	0.47
(1,182)	1:50:B:THR:HG22	1:48:B:LYS:HB3	4	0.47
(1,181)	1:50:A:THR:HG22	1:48:A:LYS:HB3	4	0.47
(1,172)	1:50:B:THR:HG21	1:48:B:LYS:HA	16	0.47
(1,171)	1:50:A:THR:HG21	1:48:A:LYS:HA	16	0.47
(1,116)	1:2:B:ALA:HB2	1:7:B:LYS:HE3	5	0.47
(1,50)	1:82:B:ILE:HG23	1:86:B:SER:HB2	8	0.47
(1,49)	1:82:A:ILE:HG23	1:86:A:SER:HB2	8	0.47
(1,48)	1:86:B:SER:H	1:82:B:ILE:HG21	1	0.47
(1,47)	1:86:A:SER:H	1:82:A:ILE:HG21	1	0.47
(1,47)	1:86:A:SER:H	1:82:A:ILE:HG22	5	0.47
(1,32)	1:82:B:ILE:HD13	1:45:B:PHE:HA	1	0.47
(1,31)	1:82:A:ILE:HD13	1:45:A:PHE:HA	1	0.47
(1,31)	1:82:A:ILE:HD11	1:45:A:PHE:HA	19	0.47
(1,12)	1:5:B:LEU:HD23	1:42:A:LEU:HG	18	0.47
(1,11)	1:5:A:LEU:HD23	1:42:B:LEU:HG	18	0.47
(1,11)	1:5:A:LEU:HD22	1:42:B:LEU:HG	20	0.47
(1,7)	1:79:A:LEU:HD12	1:9:B:LEU:HD21	11	0.47
(2,170)	1:70:B:VAL:H	1:30:B:ASN:HB2	3	0.46
(2,170)	1:70:B:VAL:H	1:30:B:ASN:HB2	12	0.46
(2,169)	1:70:A:VAL:H	1:30:A:ASN:HB2	3	0.46
(2,169)	1:70:A:VAL:H	1:30:A:ASN:HB2	5	0.46
(2,169)	1:70:A:VAL:H	1:30:A:ASN:HB2	12	0.46
(2,130)	1:21:B:GLY:HA2	1:18:B:LYS:HA	7	0.46
(2,129)	1:21:A:GLY:HA2	1:18:A:LYS:HA	7	0.46
(2,129)	1:21:A:GLY:HA2	1:18:A:LYS:HA	11	0.46
(2,68)	1:59:B:MET:HB3	1:34:B:LEU:HB3	5	0.46
(2,68)	1:59:B:MET:HB3	1:34:B:LEU:HB3	18	0.46
(2,67)	1:59:A:MET:HB3	1:34:A:LEU:HB3	5	0.46
(2,16)	1:28:B:LYS:HG2	1:20:B:SER:HB3	16	0.46
(2,15)	1:28:A:LYS:HG2	1:20:A:SER:HB3	16	0.46
(1,4616)	1:56:B:GLN:HE22	1:60:B:SER:HA	13	0.46
(1,4616)	1:56:B:GLN:HE22	1:60:B:SER:HA	18	0.46
(1,4615)	1:56:A:GLN:HE22	1:60:A:SER:HA	13	0.46
(1,4596)	1:88:B:GLU:H	1:94:B:PRO:HG3	8	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4568)	1:30:B:ASN:HD22	1:69:B:GLU:HG2	2	0.46
(1,4568)	1:30:B:ASN:HD22	1:29:B:LEU:HB3	15	0.46
(1,4567)	1:30:A:ASN:HD22	1:69:A:GLU:HG2	6	0.46
(1,4567)	1:30:A:ASN:HD22	1:29:A:LEU:HB3	15	0.46
(1,4489)	1:17:A:HIS:H	1:13:A:VAL:HG22	12	0.46
(1,4482)	1:14:B:SER:H	1:79:B:LEU:HD13	19	0.46
(1,4481)	1:14:A:SER:H	1:79:A:LEU:HD13	19	0.46
(1,4464)	1:31:B:LYS:H	1:34:B:LEU:HD23	18	0.46
(1,4457)	1:68:A:ASN:H	1:66:A:ARG:HB2	14	0.46
(1,4427)	1:34:A:LEU:H	1:22:A:LYS:HE3	6	0.46
(1,4410)	1:61:B:ASN:H	1:58:B:LEU:HD11	6	0.46
(1,4409)	1:61:A:ASN:H	1:58:A:LEU:HD11	6	0.46
(1,4403)	1:15:A:THR:H	1:13:A:VAL:HB	13	0.46
(1,4400)	1:72:B:PHE:H	1:13:B:VAL:HG13	10	0.46
(1,4399)	1:72:A:PHE:H	1:13:A:VAL:HG13	10	0.46
(1,4388)	1:76:B:SER:H	1:13:B:VAL:HG11	13	0.46
(1,4387)	1:76:A:SER:H	1:13:A:VAL:HG11	13	0.46
(1,4384)	1:76:B:SER:H	1:83:A:ALA:HB2	12	0.46
(1,4358)	1:67:B:ASP:H	1:66:B:ARG:HB2	11	0.46
(1,4357)	1:67:A:ASP:H	1:66:A:ARG:HB2	11	0.46
(1,4345)	1:16:A:PHE:H	1:2:B:ALA:HB2	4	0.46
(1,4194)	1:77:B:VAL:HA	1:83:A:ALA:HB1	5	0.46
(1,4193)	1:77:A:VAL:HA	1:83:B:ALA:HB1	5	0.46
(1,4193)	1:77:A:VAL:HA	1:83:B:ALA:HB2	13	0.46
(1,4178)	1:32:B:SER:HB2	1:31:B:LYS:HG3	12	0.46
(1,4177)	1:32:A:SER:HB2	1:31:A:LYS:HG3	12	0.46
(1,4166)	1:76:B:SER:HA	1:83:A:ALA:HB1	20	0.46
(1,4163)	1:14:A:SER:HB3	1:18:A:LYS:HD3	5	0.46
(1,4074)	1:40:B:ARG:HA	1:41:B:GLU:HB3	2	0.46
(1,4074)	1:40:B:ARG:HA	1:41:B:GLU:HB3	4	0.46
(1,4074)	1:40:B:ARG:HA	1:41:B:GLU:HB3	6	0.46
(1,4074)	1:40:B:ARG:HA	1:41:B:GLU:HB3	17	0.46
(1,4073)	1:40:A:ARG:HA	1:41:A:GLU:HB3	4	0.46
(1,4073)	1:40:A:ARG:HA	1:41:A:GLU:HB3	6	0.46
(1,4073)	1:40:A:ARG:HA	1:41:A:GLU:HB3	17	0.46
(1,4007)	1:69:A:GLU:HG2	1:28:A:LYS:HA	2	0.46
(1,4004)	1:59:B:MET:H	1:61:B:ASN:HA	15	0.46
(1,4003)	1:59:A:MET:H	1:61:A:ASN:HA	15	0.46
(1,3976)	1:42:B:LEU:HA	1:40:B:ARG:H	16	0.46
(1,3975)	1:42:A:LEU:HA	1:40:A:ARG:H	16	0.46
(1,3958)	1:94:B:PRO:HD3	1:89:B:PHE:HA	19	0.46
(1,3957)	1:94:A:PRO:HD3	1:89:A:PHE:HA	19	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3950)	1:21:B:GLY:HA3	1:22:B:LYS:HD3	15	0.46
(1,3948)	1:21:B:GLY:HA3	1:22:B:LYS:HB3	3	0.46
(1,3948)	1:21:B:GLY:HA3	1:22:B:LYS:HB3	14	0.46
(1,3948)	1:21:B:GLY:HA3	1:22:B:LYS:HB3	15	0.46
(1,3947)	1:21:A:GLY:HA3	1:22:A:LYS:HB3	3	0.46
(1,3947)	1:21:A:GLY:HA3	1:22:A:LYS:HB3	14	0.46
(1,3947)	1:21:A:GLY:HA3	1:22:A:LYS:HB3	17	0.46
(1,3936)	1:61:B:ASN:HB3	1:62:B:LEU:HB3	7	0.46
(1,3936)	1:61:B:ASN:HB3	1:62:B:LEU:HB3	10	0.46
(1,3935)	1:61:A:ASN:HB3	1:62:A:LEU:HB3	7	0.46
(1,3935)	1:61:A:ASN:HB3	1:62:A:LEU:HB3	10	0.46
(1,3920)	1:18:B:LYS:HE3	1:40:B:ARG:HD3	8	0.46
(1,3919)	1:18:A:LYS:HE3	1:40:A:ARG:HD3	8	0.46
(1,3870)	1:25:B:ASP:HB3	1:28:B:LYS:HE3	11	0.46
(1,3869)	1:25:A:ASP:HB3	1:28:A:LYS:HE3	11	0.46
(1,3848)	1:9:B:LEU:HB2	1:79:A:LEU:HD11	13	0.46
(1,3847)	1:9:A:LEU:HB2	1:79:B:LEU:HD11	13	0.46
(1,3820)	1:79:B:LEU:HB2	1:79:A:LEU:HB2	4	0.46
(1,3819)	1:79:A:LEU:HB2	1:79:B:LEU:HB2	4	0.46
(1,3812)	1:18:B:LYS:HB3	1:16:B:PHE:HB2	16	0.46
(1,3811)	1:18:A:LYS:HB3	1:16:A:PHE:HB2	16	0.46
(1,3714)	1:69:B:GLU:HB2	1:70:B:VAL:HG23	20	0.46
(1,3636)	1:33:B:GLU:HB3	1:34:B:LEU:HB2	6	0.46
(1,3632)	1:43:B:PRO:HB2	1:42:B:LEU:HB3	6	0.46
(1,3631)	1:43:A:PRO:HB2	1:42:A:LEU:HB3	6	0.46
(1,3584)	1:7:B:LYS:HD3	1:7:B:LYS:HB3	6	0.46
(1,3583)	1:7:A:LYS:HD3	1:7:A:LYS:HB3	6	0.46
(1,3570)	1:48:B:LYS:HD2	1:48:B:LYS:HA	6	0.46
(1,3569)	1:48:A:LYS:HD2	1:48:A:LYS:HA	6	0.46
(1,3540)	1:29:B:LEU:HD23	1:22:B:LYS:H	12	0.46
(1,3540)	1:29:B:LEU:HD22	1:22:B:LYS:H	20	0.46
(1,3539)	1:29:A:LEU:HD23	1:22:A:LYS:H	12	0.46
(1,3539)	1:29:A:LEU:HD22	1:22:A:LYS:H	20	0.46
(1,3476)	1:46:B:LEU:HD21	1:45:B:PHE:HB3	2	0.46
(1,3476)	1:46:B:LEU:HD22	1:45:B:PHE:HB3	8	0.46
(1,3476)	1:46:B:LEU:HD23	1:45:B:PHE:HB3	17	0.46
(1,3475)	1:46:A:LEU:HD22	1:45:A:PHE:HB3	8	0.46
(1,3475)	1:46:A:LEU:HD23	1:45:A:PHE:HB3	17	0.46
(1,3471)	1:31:A:LYS:HG3	1:34:A:LEU:HD22	7	0.46
(1,3470)	1:48:B:LYS:HG3	1:46:B:LEU:HD23	17	0.46
(1,3469)	1:48:A:LYS:HG3	1:46:A:LEU:HD23	17	0.46
(1,3462)	1:29:B:LEU:HD12	1:69:B:GLU:HA	15	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3461)	1:29:A:LEU:HD12	1:69:A:GLU:HA	10	0.46
(1,3461)	1:29:A:LEU:HD12	1:69:A:GLU:HA	15	0.46
(1,3437)	1:39:A:THR:H	1:46:A:LEU:HD12	12	0.46
(1,3437)	1:39:A:THR:H	1:46:A:LEU:HD12	14	0.46
(1,3396)	1:11:B:VAL:HG22	1:10:B:ASP:HB3	17	0.46
(1,3395)	1:11:A:VAL:HG21	1:10:A:ASP:HB3	11	0.46
(1,3390)	1:10:B:ASP:H	1:11:B:VAL:HG22	5	0.46
(1,3390)	1:10:B:ASP:H	1:11:B:VAL:HG21	15	0.46
(1,3389)	1:10:A:ASP:H	1:11:A:VAL:HG21	15	0.46
(1,3389)	1:10:A:ASP:H	1:11:A:VAL:HG23	19	0.46
(1,3376)	1:50:B:THR:HG21	1:48:B:LYS:HB2	9	0.46
(1,3312)	1:82:B:ILE:HD12	1:10:A:ASP:HB2	18	0.46
(1,3311)	1:82:A:ILE:HD12	1:10:B:ASP:HB2	13	0.46
(1,3264)	1:81:B:SER:H	1:82:B:ILE:HD13	10	0.46
(1,3263)	1:81:A:SER:H	1:82:A:ILE:HD13	10	0.46
(1,3046)	1:41:B:GLU:H	1:29:B:LEU:HD11	16	0.46
(1,3045)	1:41:A:GLU:H	1:29:A:LEU:HD11	16	0.46
(1,2872)	1:14:B:SER:H	1:10:B:ASP:HB3	19	0.46
(1,2871)	1:14:A:SER:H	1:10:A:ASP:HB3	19	0.46
(1,2820)	1:40:B:ARG:H	1:46:B:LEU:HD12	17	0.46
(1,2819)	1:40:A:ARG:H	1:46:A:LEU:HD12	17	0.46
(1,2818)	1:40:B:ARG:H	1:39:B:THR:HG22	17	0.46
(1,2818)	1:40:B:ARG:H	1:39:B:THR:HG21	18	0.46
(1,2817)	1:40:A:ARG:H	1:39:A:THR:HG23	1	0.46
(1,2817)	1:40:A:ARG:H	1:39:A:THR:HG22	10	0.46
(1,2817)	1:40:A:ARG:H	1:39:A:THR:HG23	14	0.46
(1,2817)	1:40:A:ARG:H	1:39:A:THR:HG22	17	0.46
(1,2817)	1:40:A:ARG:H	1:39:A:THR:HG21	18	0.46
(1,2650)	1:10:B:ASP:H	1:82:A:ILE:HD13	16	0.46
(1,2649)	1:10:A:ASP:H	1:82:B:ILE:HD11	9	0.46
(1,2649)	1:10:A:ASP:H	1:82:B:ILE:HD13	17	0.46
(1,2646)	1:10:B:ASP:H	1:9:B:LEU:HB3	1	0.46
(1,2645)	1:10:A:ASP:H	1:9:A:LEU:HB3	1	0.46
(1,2632)	1:95:B:ASP:H	1:97:B:GLN:HE22	7	0.46
(1,2631)	1:95:A:ASP:H	1:97:A:GLN:HE22	2	0.46
(1,2631)	1:95:A:ASP:H	1:97:A:GLN:HE22	7	0.46
(1,2622)	1:55:B:PHE:H	1:50:B:THR:HG22	11	0.46
(1,2621)	1:55:A:PHE:H	1:50:A:THR:HG22	11	0.46
(1,2563)	1:27:A:PHE:H	1:28:A:LYS:HG2	7	0.46
(1,2514)	1:58:B:LEU:H	1:57:B:LYS:HB3	20	0.46
(1,2513)	1:58:A:LEU:H	1:57:A:LYS:HB3	20	0.46
(1,2477)	1:87:A:ASN:H	1:13:B:VAL:HG23	3	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2440)	1:97:B:GLN:H	1:95:B:ASP:HB3	5	0.46
(1,2439)	1:97:A:GLN:H	1:95:A:ASP:HB3	5	0.46
(1,2416)	1:52:B:GLU:H	1:53:B:ALA:HB2	2	0.46
(1,2416)	1:52:B:GLU:H	1:53:B:ALA:HB1	8	0.46
(1,2415)	1:52:A:GLU:H	1:53:A:ALA:HB2	2	0.46
(1,2415)	1:52:A:GLU:H	1:53:A:ALA:HB1	3	0.46
(1,2393)	1:18:A:LYS:H	1:37:A:LEU:HD11	15	0.46
(1,2304)	1:45:B:PHE:H	1:7:A:LYS:HD3	5	0.46
(1,2303)	1:45:A:PHE:H	1:7:B:LYS:HD3	5	0.46
(1,2248)	1:8:B:ALA:H	1:43:A:PRO:HD2	12	0.46
(1,2248)	1:8:B:ALA:H	1:43:A:PRO:HD2	18	0.46
(1,2247)	1:8:A:ALA:H	1:43:B:PRO:HD2	12	0.46
(1,2247)	1:8:A:ALA:H	1:43:B:PRO:HD2	18	0.46
(1,2214)	1:30:B:ASN:H	1:34:B:LEU:HD13	12	0.46
(1,2194)	1:12:B:MET:H	1:79:B:LEU:HD11	9	0.46
(1,2193)	1:12:A:MET:H	1:79:A:LEU:HD11	9	0.46
(1,2134)	1:25:B:ASP:H	1:28:B:LYS:HG2	1	0.46
(1,2133)	1:25:A:ASP:H	1:28:A:LYS:HG2	1	0.46
(1,2104)	1:71:B:ASP:H	1:65:B:ASN:HD21	15	0.46
(1,2103)	1:71:A:ASP:H	1:65:A:ASN:HD21	15	0.46
(1,2084)	1:39:B:THR:HB	1:43:B:PRO:HD3	10	0.46
(1,2083)	1:39:A:THR:HB	1:43:A:PRO:HD3	10	0.46
(1,2075)	1:50:A:THR:HB	1:35:A:LYS:HE2	19	0.46
(1,2036)	1:43:B:PRO:HA	1:7:A:LYS:HD2	3	0.46
(1,2035)	1:43:A:PRO:HA	1:7:B:LYS:HD2	3	0.46
(1,2004)	1:98:B:PRO:HA	1:101:B:LYS:HG3	13	0.46
(1,2003)	1:98:A:PRO:HA	1:101:A:LYS:HG3	13	0.46
(1,1884)	1:6:B:GLU:HA	1:79:A:LEU:HD13	5	0.46
(1,1876)	1:82:B:ILE:HG23	1:45:B:PHE:HA	6	0.46
(1,1875)	1:82:A:ILE:HG23	1:45:A:PHE:HA	6	0.46
(1,1875)	1:82:A:ILE:HG22	1:45:A:PHE:HA	17	0.46
(1,1844)	1:37:B:LEU:HA	1:29:B:LEU:HD12	14	0.46
(1,1843)	1:37:A:LEU:HA	1:29:A:LEU:HD12	14	0.46
(1,1647)	1:49:A:ARG:HD2	1:49:A:ARG:HA	9	0.46
(1,1624)	1:41:B:GLU:HA	1:2:A:ALA:HB3	7	0.46
(1,1596)	1:95:B:ASP:HA	1:96:B:LYS:HG2	15	0.46
(1,1595)	1:95:A:ASP:HA	1:96:A:LYS:HG2	15	0.46
(1,1521)	1:21:A:GLY:HA3	1:26:A:LYS:HG3	12	0.46
(1,1472)	1:42:B:LEU:HB3	1:38:B:LEU:H	14	0.46
(1,1471)	1:42:A:LEU:HB3	1:38:A:LEU:H	14	0.46
(1,1451)	1:29:A:LEU:HB2	1:37:A:LEU:HB3	17	0.46
(1,1322)	1:56:B:GLN:HE21	1:31:B:LYS:HE2	15	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1320)	1:92:B:GLY:H	1:96:B:LYS:HE2	19	0.46
(1,1319)	1:92:A:GLY:H	1:96:A:LYS:HE2	19	0.46
(1,1252)	1:63:B:ASP:HB2	1:60:B:SER:HA	9	0.46
(1,1238)	1:18:B:LYS:HB3	1:16:B:PHE:HB2	9	0.46
(1,1237)	1:18:A:LYS:HB3	1:16:A:PHE:HB2	9	0.46
(1,1198)	1:87:B:ASN:HB2	1:76:A:SER:HB2	13	0.46
(1,1053)	1:52:A:GLU:HG3	1:51:A:ASP:H	14	0.46
(1,1026)	1:41:B:GLU:HG3	1:40:B:ARG:HA	7	0.46
(1,1025)	1:41:A:GLU:HG3	1:40:A:ARG:HA	7	0.46
(1,1013)	1:23:A:GLU:HB2	1:32:A:SER:HB2	15	0.46
(1,918)	1:85:B:MET:HG3	1:84:B:MET:HG3	5	0.46
(1,917)	1:85:A:MET:HG3	1:84:A:MET:HG3	5	0.46
(1,910)	1:94:B:PRO:HB3	1:96:B:LYS:HG3	20	0.46
(1,909)	1:94:A:PRO:HB3	1:96:A:LYS:HG3	20	0.46
(1,898)	1:85:B:MET:HG2	1:85:B:MET:HA	3	0.46
(1,897)	1:85:A:MET:HG2	1:85:A:MET:HA	3	0.46
(1,748)	1:36:B:GLU:HB2	1:37:B:LEU:HD12	16	0.46
(1,747)	1:36:A:GLU:HB2	1:37:A:LEU:HD12	16	0.46
(1,728)	1:26:B:LYS:HD3	1:22:B:LYS:HA	15	0.46
(1,636)	1:43:B:PRO:HG2	1:45:B:PHE:H	16	0.46
(1,635)	1:43:A:PRO:HG2	1:45:A:PHE:H	16	0.46
(1,600)	1:37:B:LEU:HD13	1:34:B:LEU:HA	14	0.46
(1,599)	1:37:A:LEU:HD13	1:34:A:LEU:HA	14	0.46
(1,556)	1:95:B:ASP:H	1:99:B:ARG:HG3	6	0.46
(1,555)	1:95:A:ASP:H	1:99:A:ARG:HG3	6	0.46
(1,555)	1:95:A:ASP:H	1:99:A:ARG:HG3	9	0.46
(1,502)	1:42:B:LEU:HD11	1:42:B:LEU:HA	9	0.46
(1,502)	1:42:B:LEU:HD11	1:42:B:LEU:HA	14	0.46
(1,502)	1:42:B:LEU:HD11	1:42:B:LEU:HA	16	0.46
(1,501)	1:42:A:LEU:HD11	1:42:A:LEU:HA	9	0.46
(1,501)	1:42:A:LEU:HD11	1:42:A:LEU:HA	16	0.46
(1,484)	1:42:B:LEU:HD11	1:42:B:LEU:HB3	19	0.46
(1,483)	1:42:A:LEU:HD11	1:42:A:LEU:HB3	19	0.46
(1,473)	1:42:A:LEU:HD13	1:79:A:LEU:HA	9	0.46
(1,454)	1:5:B:LEU:HD21	1:9:B:LEU:HD22	16	0.46
(1,453)	1:5:A:LEU:HD21	1:9:A:LEU:HD22	16	0.46
(1,338)	1:58:B:LEU:HD13	1:61:B:ASN:HB3	16	0.46
(1,337)	1:58:A:LEU:HD13	1:61:A:ASN:HB3	16	0.46
(1,272)	1:39:B:THR:HG22	1:38:B:LEU:HD13	20	0.46
(1,271)	1:39:A:THR:HG22	1:38:A:LEU:HD13	20	0.46
(1,202)	1:34:B:LEU:H	1:34:B:LEU:HD13	9	0.46
(1,202)	1:34:B:LEU:H	1:34:B:LEU:HD11	12	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,202)	1:34:B:LEU:H	1:34:B:LEU:HD12	13	0.46
(1,201)	1:34:A:LEU:H	1:34:A:LEU:HD13	9	0.46
(1,201)	1:34:A:LEU:H	1:34:A:LEU:HD11	12	0.46
(1,201)	1:34:A:LEU:H	1:34:A:LEU:HD12	13	0.46
(1,158)	1:39:B:THR:HG22	1:35:B:LYS:HB3	3	0.46
(1,158)	1:39:B:THR:HG22	1:35:B:LYS:HB3	12	0.46
(1,157)	1:39:A:THR:HG22	1:35:A:LYS:HB3	3	0.46
(1,157)	1:39:A:THR:HG22	1:35:A:LYS:HB3	12	0.46
(1,58)	1:82:B:ILE:HG23	1:85:B:MET:HG3	1	0.46
(1,57)	1:82:A:ILE:HG23	1:85:A:MET:HG3	1	0.46
(1,50)	1:82:B:ILE:HG21	1:86:B:SER:HB2	16	0.46
(1,49)	1:82:A:ILE:HG21	1:86:A:SER:HB2	16	0.46
(1,48)	1:86:B:SER:H	1:82:B:ILE:HG22	5	0.46
(1,48)	1:86:B:SER:H	1:82:B:ILE:HG21	10	0.46
(1,48)	1:86:B:SER:H	1:82:B:ILE:HG23	11	0.46
(1,47)	1:86:A:SER:H	1:82:A:ILE:HG21	10	0.46
(1,47)	1:86:A:SER:H	1:82:A:ILE:HG23	11	0.46
(1,12)	1:5:B:LEU:HD22	1:42:A:LEU:HG	20	0.46
(2,170)	1:70:B:VAL:H	1:30:B:ASN:HB2	5	0.45
(2,130)	1:21:B:GLY:HA2	1:18:B:LYS:HA	11	0.45
(2,46)	1:59:B:MET:HG3	1:66:B:ARG:HD2	20	0.45
(2,45)	1:59:A:MET:HG3	1:66:A:ARG:HD2	20	0.45
(1,4616)	1:56:B:GLN:HE22	1:60:B:SER:HA	10	0.45
(1,4616)	1:56:B:GLN:HE22	1:60:B:SER:HA	17	0.45
(1,4615)	1:56:A:GLN:HE22	1:60:A:SER:HA	18	0.45
(1,4595)	1:88:A:GLU:H	1:94:A:PRO:HG3	8	0.45
(1,4577)	1:39:A:THR:H	1:36:A:GLU:HG3	1	0.45
(1,4568)	1:30:B:ASN:HD22	1:69:B:GLU:HG2	12	0.45
(1,4567)	1:30:A:ASN:HD22	1:69:A:GLU:HG2	2	0.45
(1,4567)	1:30:A:ASN:HD22	1:69:A:GLU:HG2	12	0.45
(1,4518)	1:20:B:SER:H	1:26:B:LYS:HD2	1	0.45
(1,4516)	1:20:B:SER:H	1:18:B:LYS:HB3	1	0.45
(1,4515)	1:20:A:SER:H	1:18:A:LYS:HB3	1	0.45
(1,4510)	1:32:B:SER:H	1:34:B:LEU:HD21	9	0.45
(1,4490)	1:17:B:HIS:H	1:13:B:VAL:HG22	12	0.45
(1,4490)	1:17:B:HIS:H	1:13:B:VAL:HG22	15	0.45
(1,4489)	1:17:A:HIS:H	1:13:A:VAL:HG22	15	0.45
(1,4478)	1:86:B:SER:H	1:13:A:VAL:HG13	13	0.45
(1,4477)	1:86:A:SER:H	1:13:B:VAL:HG13	13	0.45
(1,4458)	1:68:B:ASN:H	1:66:B:ARG:HB2	14	0.45
(1,4438)	1:38:B:LEU:H	1:39:B:THR:HG23	14	0.45
(1,4437)	1:38:A:LEU:H	1:39:A:THR:HG23	14	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4433)	1:38:A:LEU:H	1:55:A:PHE:HB3	12	0.45
(1,4404)	1:15:B:THR:H	1:13:B:VAL:HB	13	0.45
(1,4392)	1:7:B:LYS:H	1:42:A:LEU:HD21	9	0.45
(1,4391)	1:7:A:LYS:H	1:42:B:LEU:HD21	9	0.45
(1,4384)	1:76:B:SER:H	1:83:A:ALA:HB1	20	0.45
(1,4376)	1:95:B:ASP:H	1:96:B:LYS:HD3	6	0.45
(1,4375)	1:95:A:ASP:H	1:96:A:LYS:HD3	6	0.45
(1,4358)	1:67:B:ASP:H	1:66:B:ARG:HB2	16	0.45
(1,4357)	1:67:A:ASP:H	1:66:A:ARG:HB2	16	0.45
(1,4324)	1:42:B:LEU:H	1:37:B:LEU:HD22	5	0.45
(1,4323)	1:42:A:LEU:H	1:37:A:LEU:HD22	5	0.45
(1,4316)	1:74:B:GLU:H	1:70:B:VAL:HG23	7	0.45
(1,4316)	1:74:B:GLU:H	1:70:B:VAL:HG23	11	0.45
(1,4316)	1:74:B:GLU:H	1:70:B:VAL:HG22	18	0.45
(1,4315)	1:74:A:GLU:H	1:70:A:VAL:HG23	7	0.45
(1,4315)	1:74:A:GLU:H	1:70:A:VAL:HG23	11	0.45
(1,4315)	1:74:A:GLU:H	1:70:A:VAL:HG22	18	0.45
(1,4310)	1:22:B:LYS:H	1:17:B:HIS:HA	7	0.45
(1,4309)	1:22:A:LYS:H	1:17:A:HIS:HA	7	0.45
(1,4254)	1:77:B:VAL:H	1:83:A:ALA:HB2	3	0.45
(1,4254)	1:77:B:VAL:H	1:62:B:LEU:HB3	8	0.45
(1,4253)	1:77:A:VAL:H	1:62:A:LEU:HB3	8	0.45
(1,4202)	1:39:B:THR:HB	1:36:B:GLU:HG2	9	0.45
(1,4201)	1:39:A:THR:HB	1:36:A:GLU:HG2	9	0.45
(1,4201)	1:39:A:THR:HB	1:36:A:GLU:HG2	19	0.45
(1,4177)	1:32:A:SER:HB2	1:31:A:LYS:HG3	17	0.45
(1,4166)	1:76:B:SER:HA	1:79:B:LEU:HB3	1	0.45
(1,4165)	1:76:A:SER:HA	1:79:A:LEU:HB3	1	0.45
(1,4165)	1:76:A:SER:HA	1:83:B:ALA:HB1	20	0.45
(1,4164)	1:14:B:SER:HB3	1:18:B:LYS:HD3	5	0.45
(1,4158)	1:32:B:SER:HB2	1:23:B:GLU:HG3	13	0.45
(1,4132)	1:20:B:SER:HB2	1:22:B:LYS:HG3	17	0.45
(1,4131)	1:20:A:SER:HB2	1:22:A:LYS:HG3	17	0.45
(1,4110)	1:2:B:ALA:HB3	1:6:B:GLU:HA	1	0.45
(1,4109)	1:2:A:ALA:HB3	1:6:A:GLU:HA	1	0.45
(1,4084)	1:74:B:GLU:HA	1:78:B:PHE:HA	3	0.45
(1,4074)	1:40:B:ARG:HA	1:41:B:GLU:HB3	1	0.45
(1,4074)	1:40:B:ARG:HA	1:41:B:GLU:HB3	19	0.45
(1,4073)	1:40:A:ARG:HA	1:41:A:GLU:HB3	19	0.45
(1,4062)	1:10:B:ASP:HA	1:82:A:ILE:HB	5	0.45
(1,4061)	1:10:A:ASP:HA	1:82:B:ILE:HB	5	0.45
(1,3958)	1:94:B:PRO:HD3	1:89:B:PHE:HA	8	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3957)	1:94:A:PRO:HD3	1:89:A:PHE:HA	8	0.45
(1,3944)	1:42:B:LEU:HB3	1:79:B:LEU:HD23	11	0.45
(1,3943)	1:42:A:LEU:HB3	1:79:A:LEU:HD23	11	0.45
(1,3888)	1:31:B:LYS:HE3	1:35:B:LYS:HD2	8	0.45
(1,3887)	1:31:A:LYS:HE3	1:35:A:LYS:HD2	8	0.45
(1,3886)	1:7:B:LYS:HD3	1:7:B:LYS:HE2	7	0.45
(1,3886)	1:7:B:LYS:HD2	1:7:B:LYS:HE2	9	0.45
(1,3885)	1:7:A:LYS:HD2	1:7:A:LYS:HE2	9	0.45
(1,3838)	1:34:B:LEU:HB2	1:38:B:LEU:HB2	11	0.45
(1,3837)	1:34:A:LEU:HB2	1:38:A:LEU:HB2	11	0.45
(1,3832)	1:9:B:LEU:HB2	1:12:B:MET:HB3	13	0.45
(1,3760)	1:27:B:PHE:HB2	1:96:A:LYS:H	3	0.45
(1,3759)	1:27:A:PHE:HB2	1:96:B:LYS:H	3	0.45
(1,3713)	1:69:A:GLU:HB2	1:70:A:VAL:HG23	20	0.45
(1,3698)	1:56:B:GLN:HG2	1:57:B:LYS:HE2	3	0.45
(1,3668)	1:13:B:VAL:H	1:12:B:MET:HB3	1	0.45
(1,3636)	1:33:B:GLU:HB3	1:34:B:LEU:HB2	7	0.45
(1,3635)	1:33:A:GLU:HB3	1:34:A:LEU:HB2	7	0.45
(1,3603)	1:31:A:LYS:HD2	1:35:A:LYS:H	19	0.45
(1,3539)	1:29:A:LEU:HD23	1:22:A:LYS:H	16	0.45
(1,3512)	1:42:B:LEU:HD23	1:6:A:GLU:HA	14	0.45
(1,3472)	1:31:B:LYS:HG3	1:34:B:LEU:HD22	7	0.45
(1,3462)	1:29:B:LEU:HD11	1:69:B:GLU:HA	1	0.45
(1,3462)	1:29:B:LEU:HD12	1:69:B:GLU:HA	10	0.45
(1,3461)	1:29:A:LEU:HD11	1:69:A:GLU:HA	1	0.45
(1,3404)	1:77:B:VAL:HG23	1:83:A:ALA:HB3	1	0.45
(1,3404)	1:77:B:VAL:HG21	1:62:B:LEU:HB3	7	0.45
(1,3403)	1:77:A:VAL:HG21	1:62:A:LEU:HB3	7	0.45
(1,3396)	1:11:B:VAL:HG22	1:10:B:ASP:HB3	5	0.45
(1,3396)	1:11:B:VAL:HG22	1:10:B:ASP:HB3	6	0.45
(1,3396)	1:11:B:VAL:HG21	1:10:B:ASP:HB3	11	0.45
(1,3395)	1:11:A:VAL:HG22	1:10:A:ASP:HB3	5	0.45
(1,3395)	1:11:A:VAL:HG22	1:10:A:ASP:HB3	17	0.45
(1,3390)	1:10:B:ASP:H	1:11:B:VAL:HG22	10	0.45
(1,3390)	1:10:B:ASP:H	1:11:B:VAL:HG23	19	0.45
(1,3389)	1:10:A:ASP:H	1:11:A:VAL:HG22	1	0.45
(1,3389)	1:10:A:ASP:H	1:11:A:VAL:HG22	5	0.45
(1,3389)	1:10:A:ASP:H	1:11:A:VAL:HG22	10	0.45
(1,3376)	1:50:B:THR:HG22	1:48:B:LYS:HB2	2	0.45
(1,3375)	1:50:A:THR:HG22	1:48:A:LYS:HB2	2	0.45
(1,3375)	1:50:A:THR:HG21	1:48:A:LYS:HB2	9	0.45
(1,3312)	1:82:B:ILE:HD12	1:10:A:ASP:HB2	13	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3312)	1:82:B:ILE:HD13	1:10:A:ASP:HB2	20	0.45
(1,3311)	1:82:A:ILE:HD13	1:10:B:ASP:HB2	20	0.45
(1,3264)	1:81:B:SER:H	1:82:B:ILE:HD11	2	0.45
(1,3263)	1:81:A:SER:H	1:82:A:ILE:HD11	2	0.45
(1,3214)	1:47:B:GLY:H	1:82:B:ILE:HD13	11	0.45
(1,3214)	1:47:B:GLY:H	1:82:B:ILE:HD12	16	0.45
(1,3213)	1:47:A:GLY:H	1:82:A:ILE:HD13	11	0.45
(1,3213)	1:47:A:GLY:H	1:82:A:ILE:HD12	16	0.45
(1,3102)	1:65:B:ASN:HD21	1:67:B:ASP:HB2	2	0.45
(1,3101)	1:65:A:ASN:HD21	1:67:A:ASP:HB2	2	0.45
(1,3046)	1:41:B:GLU:H	1:29:B:LEU:HD12	3	0.45
(1,3045)	1:41:A:GLU:H	1:29:A:LEU:HD12	3	0.45
(1,2872)	1:14:B:SER:H	1:10:B:ASP:HB3	13	0.45
(1,2871)	1:14:A:SER:H	1:10:A:ASP:HB3	2	0.45
(1,2871)	1:14:A:SER:H	1:10:A:ASP:HB3	13	0.45
(1,2818)	1:40:B:ARG:H	1:39:B:THR:HG23	1	0.45
(1,2818)	1:40:B:ARG:H	1:39:B:THR:HG21	7	0.45
(1,2818)	1:40:B:ARG:H	1:39:B:THR:HG23	11	0.45
(1,2817)	1:40:A:ARG:H	1:39:A:THR:HG21	7	0.45
(1,2817)	1:40:A:ARG:H	1:39:A:THR:HG23	11	0.45
(1,2786)	1:89:B:PHE:H	1:13:A:VAL:HG12	17	0.45
(1,2650)	1:10:B:ASP:H	1:82:A:ILE:HD11	9	0.45
(1,2650)	1:10:B:ASP:H	1:82:A:ILE:HD13	17	0.45
(1,2649)	1:10:A:ASP:H	1:82:B:ILE:HD13	16	0.45
(1,2632)	1:95:B:ASP:H	1:97:B:GLN:HE22	2	0.45
(1,2564)	1:27:B:PHE:H	1:28:B:LYS:HG2	7	0.45
(1,2546)	1:93:B:PHE:H	1:96:B:LYS:HE3	12	0.45
(1,2415)	1:52:A:GLU:H	1:53:A:ALA:HB1	8	0.45
(1,2394)	1:18:B:LYS:H	1:37:B:LEU:HD12	10	0.45
(1,2393)	1:18:A:LYS:H	1:37:A:LEU:HD12	10	0.45
(1,2316)	1:78:B:PHE:H	1:84:A:MET:HG2	3	0.45
(1,2315)	1:78:A:PHE:H	1:84:B:MET:HG2	3	0.45
(1,2248)	1:8:B:ALA:H	1:43:A:PRO:HD2	16	0.45
(1,2248)	1:8:B:ALA:H	1:43:A:PRO:HD2	20	0.45
(1,2247)	1:8:A:ALA:H	1:43:B:PRO:HD2	16	0.45
(1,2096)	1:26:B:LYS:H	1:26:B:LYS:HG3	11	0.45
(1,2095)	1:26:A:LYS:H	1:26:A:LYS:HG3	11	0.45
(1,2084)	1:39:B:THR:HB	1:43:B:PRO:HD3	3	0.45
(1,2084)	1:39:B:THR:HB	1:43:B:PRO:HD3	5	0.45
(1,2083)	1:39:A:THR:HB	1:43:A:PRO:HD3	3	0.45
(1,2083)	1:39:A:THR:HB	1:43:A:PRO:HD3	5	0.45
(1,2074)	1:15:B:THR:HA	1:5:A:LEU:HD23	2	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1883)	1:6:A:GLU:HA	1:79:B:LEU:HD13	5	0.45
(1,1876)	1:82:B:ILE:HG22	1:45:B:PHE:HA	17	0.45
(1,1648)	1:49:B:ARG:HD2	1:49:B:ARG:HA	9	0.45
(1,1596)	1:95:B:ASP:HA	1:96:B:LYS:HG2	12	0.45
(1,1595)	1:95:A:ASP:HA	1:96:A:LYS:HG2	12	0.45
(1,1522)	1:21:B:GLY:HA3	1:26:B:LYS:HG3	12	0.45
(1,1486)	1:42:B:LEU:HB3	1:41:B:GLU:HB3	4	0.45
(1,1480)	1:42:B:LEU:HB2	1:45:B:PHE:HA	1	0.45
(1,1480)	1:42:B:LEU:HB2	1:45:B:PHE:HA	7	0.45
(1,1479)	1:42:A:LEU:HB2	1:45:A:PHE:HA	1	0.45
(1,1479)	1:42:A:LEU:HB2	1:45:A:PHE:HA	7	0.45
(1,1476)	1:42:B:LEU:HB3	1:39:B:THR:H	19	0.45
(1,1475)	1:42:A:LEU:HB3	1:39:A:THR:H	19	0.45
(1,1452)	1:29:B:LEU:HB2	1:37:B:LEU:HB3	6	0.45
(1,1452)	1:29:B:LEU:HB2	1:37:B:LEU:HB3	15	0.45
(1,1452)	1:29:B:LEU:HB2	1:37:B:LEU:HB3	17	0.45
(1,1451)	1:29:A:LEU:HB2	1:37:A:LEU:HB3	15	0.45
(1,1320)	1:92:B:GLY:H	1:96:B:LYS:HE3	9	0.45
(1,1319)	1:92:A:GLY:H	1:96:A:LYS:HE3	9	0.45
(1,1268)	1:19:B:TYR:HB3	1:29:B:LEU:HD11	14	0.45
(1,1267)	1:19:A:TYR:HB3	1:29:A:LEU:HD11	14	0.45
(1,1265)	1:79:A:LEU:HB2	1:9:B:LEU:HD13	17	0.45
(1,1252)	1:63:B:ASP:HB2	1:60:B:SER:HA	5	0.45
(1,1251)	1:63:A:ASP:HB2	1:60:A:SER:HA	9	0.45
(1,1238)	1:18:B:LYS:HB3	1:16:B:PHE:HB2	3	0.45
(1,1238)	1:18:B:LYS:HB3	1:16:B:PHE:HB2	13	0.45
(1,1237)	1:18:A:LYS:HB3	1:16:A:PHE:HB2	3	0.45
(1,1237)	1:18:A:LYS:HB3	1:16:A:PHE:HB2	13	0.45
(1,1138)	1:84:B:MET:HG3	1:85:B:MET:HG2	15	0.45
(1,1090)	1:91:B:GLU:HG3	1:91:B:GLU:HA	15	0.45
(1,1089)	1:91:A:GLU:HG3	1:91:A:GLU:HA	15	0.45
(1,1082)	1:33:B:GLU:HG3	1:29:B:LEU:HB2	16	0.45
(1,1081)	1:33:A:GLU:HG3	1:29:A:LEU:HB2	16	0.45
(1,1078)	1:52:B:GLU:HG3	1:53:B:ALA:HB1	13	0.45
(1,1077)	1:52:A:GLU:HG3	1:53:A:ALA:HB1	13	0.45
(1,1070)	1:88:B:GLU:HG3	1:96:B:LYS:HE3	9	0.45
(1,1069)	1:88:A:GLU:HG3	1:96:A:LYS:HE3	9	0.45
(1,1054)	1:52:B:GLU:HG3	1:51:B:ASP:H	18	0.45
(1,1053)	1:52:A:GLU:HG3	1:51:A:ASP:H	18	0.45
(1,952)	1:79:B:LEU:HD13	1:12:B:MET:HB2	16	0.45
(1,951)	1:79:A:LEU:HD13	1:12:A:MET:HB2	16	0.45
(1,950)	1:12:B:MET:HB2	1:9:A:LEU:HD11	1	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,949)	1:12:A:MET:HB2	1:9:B:LEU:HD11	1	0.45
(1,842)	1:29:B:LEU:HD11	1:33:B:GLU:HB3	15	0.45
(1,841)	1:29:A:LEU:HD11	1:33:A:GLU:HB3	15	0.45
(1,801)	1:41:A:GLU:HB2	1:5:B:LEU:HD22	9	0.45
(1,636)	1:43:B:PRO:HG2	1:45:B:PHE:H	2	0.45
(1,636)	1:43:B:PRO:HG2	1:45:B:PHE:H	3	0.45
(1,636)	1:43:B:PRO:HG2	1:45:B:PHE:H	8	0.45
(1,635)	1:43:A:PRO:HG2	1:45:A:PHE:H	2	0.45
(1,635)	1:43:A:PRO:HG2	1:45:A:PHE:H	8	0.45
(1,614)	1:29:B:LEU:HD21	1:22:B:LYS:HD3	1	0.45
(1,614)	1:29:B:LEU:HD22	1:22:B:LYS:HD3	6	0.45
(1,614)	1:29:B:LEU:HD21	1:22:B:LYS:HD3	17	0.45
(1,613)	1:29:A:LEU:HD21	1:22:A:LYS:HD3	1	0.45
(1,613)	1:29:A:LEU:HD22	1:22:A:LYS:HD3	6	0.45
(1,613)	1:29:A:LEU:HD21	1:22:A:LYS:HD3	17	0.45
(1,610)	1:37:B:LEU:HD23	1:41:B:GLU:HG2	19	0.45
(1,609)	1:37:A:LEU:HD23	1:41:A:GLU:HG2	19	0.45
(1,556)	1:95:B:ASP:H	1:99:B:ARG:HG3	1	0.45
(1,556)	1:95:B:ASP:H	1:99:B:ARG:HG3	9	0.45
(1,555)	1:95:A:ASP:H	1:99:A:ARG:HG3	1	0.45
(1,502)	1:42:B:LEU:HD11	1:42:B:LEU:HA	3	0.45
(1,502)	1:42:B:LEU:HD13	1:42:B:LEU:HA	11	0.45
(1,501)	1:42:A:LEU:HD11	1:42:A:LEU:HA	3	0.45
(1,501)	1:42:A:LEU:HD13	1:42:A:LEU:HA	11	0.45
(1,474)	1:42:B:LEU:HD13	1:79:B:LEU:HA	9	0.45
(1,454)	1:5:B:LEU:HD23	1:9:B:LEU:HD22	5	0.45
(1,453)	1:5:A:LEU:HD23	1:9:A:LEU:HD22	5	0.45
(1,226)	1:71:B:ASP:H	1:70:B:VAL:HG23	11	0.45
(1,225)	1:71:A:ASP:H	1:70:A:VAL:HG23	11	0.45
(1,202)	1:34:B:LEU:H	1:34:B:LEU:HD11	4	0.45
(1,201)	1:34:A:LEU:H	1:34:A:LEU:HD11	4	0.45
(1,201)	1:34:A:LEU:H	1:34:A:LEU:HD13	7	0.45
(1,176)	1:70:B:VAL:HG13	1:71:B:ASP:HB3	20	0.45
(1,175)	1:70:A:VAL:HG13	1:71:A:ASP:HB3	20	0.45
(1,172)	1:50:B:THR:HG21	1:48:B:LYS:HA	9	0.45
(1,171)	1:50:A:THR:HG21	1:48:A:LYS:HA	9	0.45
(1,158)	1:39:B:THR:HG21	1:35:B:LYS:HB3	2	0.45
(1,158)	1:39:B:THR:HG22	1:35:B:LYS:HB3	9	0.45
(1,158)	1:39:B:THR:HG21	1:35:B:LYS:HB3	13	0.45
(1,157)	1:39:A:THR:HG21	1:35:A:LYS:HB3	2	0.45
(1,157)	1:39:A:THR:HG21	1:35:A:LYS:HB3	13	0.45
(1,124)	1:2:B:ALA:HB3	1:5:B:LEU:HD11	9	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,123)	1:2:A:ALA:HB3	1:5:A:LEU:HD11	9	0.45
(1,48)	1:86:B:SER:H	1:82:B:ILE:HG22	3	0.45
(1,48)	1:86:B:SER:H	1:82:B:ILE:HG23	13	0.45
(1,48)	1:86:B:SER:H	1:82:B:ILE:HG21	18	0.45
(1,47)	1:86:A:SER:H	1:82:A:ILE:HG22	3	0.45
(1,47)	1:86:A:SER:H	1:82:A:ILE:HG23	13	0.45
(1,47)	1:86:A:SER:H	1:82:A:ILE:HG21	18	0.45
(1,32)	1:82:B:ILE:HD12	1:45:B:PHE:HA	4	0.45
(1,32)	1:82:B:ILE:HD12	1:45:B:PHE:HA	10	0.45
(1,32)	1:82:B:ILE:HD12	1:45:B:PHE:HA	17	0.45
(1,31)	1:82:A:ILE:HD12	1:45:A:PHE:HA	4	0.45
(1,31)	1:82:A:ILE:HD12	1:45:A:PHE:HA	10	0.45
(1,31)	1:82:A:ILE:HD12	1:45:A:PHE:HA	17	0.45
(1,9)	1:5:A:LEU:HD12	1:15:B:THR:HB	3	0.45
(1,8)	1:79:B:LEU:HD12	1:9:A:LEU:HD21	11	0.45
(1,6)	1:7:B:LYS:HD2	1:44:A:SER:HA	1	0.45
(1,6)	1:7:B:LYS:HD2	1:44:A:SER:HA	9	0.45
(1,5)	1:7:A:LYS:HD2	1:44:B:SER:HA	1	0.45
(1,5)	1:7:A:LYS:HD2	1:44:B:SER:HA	9	0.45
(2,196)	1:22:B:LYS:H	1:19:B:TYR:HB2	7	0.44
(1,4615)	1:56:A:GLN:HE22	1:60:A:SER:HA	10	0.44
(1,4615)	1:56:A:GLN:HE22	1:60:A:SER:HA	17	0.44
(1,4604)	1:73:B:GLN:H	1:13:B:VAL:HG12	12	0.44
(1,4603)	1:73:A:GLN:H	1:13:A:VAL:HG12	12	0.44
(1,4578)	1:39:B:THR:H	1:36:B:GLU:HG3	1	0.44
(1,4570)	1:30:B:ASN:HD22	1:37:B:LEU:HD12	6	0.44
(1,4569)	1:30:A:ASN:HD22	1:37:A:LEU:HD12	6	0.44
(1,4551)	1:56:A:GLN:HE21	1:60:A:SER:HA	20	0.44
(1,4526)	1:68:B:ASN:HD21	1:56:B:GLN:HA	9	0.44
(1,4525)	1:68:A:ASN:HD21	1:56:A:GLN:HA	9	0.44
(1,4517)	1:20:A:SER:H	1:26:A:LYS:HD2	1	0.44
(1,4516)	1:20:B:SER:H	1:18:B:LYS:HB3	12	0.44
(1,4515)	1:20:A:SER:H	1:18:A:LYS:HB3	12	0.44
(1,4510)	1:32:B:SER:H	1:34:B:LEU:HD21	14	0.44
(1,4510)	1:32:B:SER:H	1:34:B:LEU:HD23	20	0.44
(1,4509)	1:32:A:SER:H	1:34:A:LEU:HD21	9	0.44
(1,4509)	1:32:A:SER:H	1:34:A:LEU:HD21	14	0.44
(1,4509)	1:32:A:SER:H	1:34:A:LEU:HD23	20	0.44
(1,4500)	1:87:B:ASN:HD21	1:96:B:LYS:H	11	0.44
(1,4499)	1:87:A:ASN:HD21	1:96:A:LYS:H	11	0.44
(1,4490)	1:17:B:HIS:H	1:13:B:VAL:HG23	7	0.44
(1,4489)	1:17:A:HIS:H	1:13:A:VAL:HG23	7	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4489)	1:17:A:HIS:H	1:13:A:VAL:HG23	9	0.44
(1,4482)	1:14:B:SER:H	1:79:B:LEU:HD12	20	0.44
(1,4481)	1:14:A:SER:H	1:79:A:LEU:HD12	20	0.44
(1,4434)	1:38:B:LEU:H	1:55:B:PHE:HB3	12	0.44
(1,4404)	1:15:B:THR:H	1:13:B:VAL:HB	5	0.44
(1,4404)	1:15:B:THR:H	1:13:B:VAL:HB	6	0.44
(1,4403)	1:15:A:THR:H	1:13:A:VAL:HB	5	0.44
(1,4403)	1:15:A:THR:H	1:13:A:VAL:HB	6	0.44
(1,4384)	1:76:B:SER:H	1:62:B:LEU:HB3	17	0.44
(1,4383)	1:76:A:SER:H	1:62:A:LEU:HB3	17	0.44
(1,4383)	1:76:A:SER:H	1:83:B:ALA:HB1	20	0.44
(1,4366)	1:9:B:LEU:H	1:79:A:LEU:HD11	10	0.44
(1,4365)	1:9:A:LEU:H	1:79:B:LEU:HD11	10	0.44
(1,4365)	1:9:A:LEU:H	1:79:B:LEU:HD11	19	0.44
(1,4346)	1:16:B:PHE:H	1:2:A:ALA:HB2	4	0.44
(1,4296)	1:64:B:SER:H	1:63:B:ASP:H	7	0.44
(1,4295)	1:64:A:SER:H	1:63:A:ASP:H	7	0.44
(1,4254)	1:77:B:VAL:H	1:62:B:LEU:HB3	6	0.44
(1,4253)	1:77:A:VAL:H	1:83:B:ALA:HB2	3	0.44
(1,4253)	1:77:A:VAL:H	1:62:A:LEU:HB3	6	0.44
(1,4252)	1:77:B:VAL:H	1:75:B:TYR:HB3	19	0.44
(1,4251)	1:77:A:VAL:H	1:75:A:TYR:HB3	19	0.44
(1,4202)	1:39:B:THR:HB	1:36:B:GLU:HG2	19	0.44
(1,4178)	1:32:B:SER:HB2	1:31:B:LYS:HG3	17	0.44
(1,4165)	1:76:A:SER:HA	1:83:B:ALA:HB1	8	0.44
(1,4157)	1:32:A:SER:HB2	1:23:A:GLU:HG3	13	0.44
(1,4084)	1:61:B:ASN:HA	1:57:B:LYS:HA	18	0.44
(1,4083)	1:74:A:GLU:HA	1:78:A:PHE:HA	3	0.44
(1,4083)	1:61:A:ASN:HA	1:57:A:LYS:HA	18	0.44
(1,4074)	1:40:B:ARG:HA	1:41:B:GLU:HB3	5	0.44
(1,4074)	1:40:B:ARG:HA	1:41:B:GLU:HB3	20	0.44
(1,4073)	1:40:A:ARG:HA	1:41:A:GLU:HB3	1	0.44
(1,4073)	1:40:A:ARG:HA	1:41:A:GLU:HB3	5	0.44
(1,4073)	1:40:A:ARG:HA	1:41:A:GLU:HB3	20	0.44
(1,4008)	1:69:B:GLU:HG2	1:28:B:LYS:HA	16	0.44
(1,4007)	1:69:A:GLU:HG2	1:28:A:LYS:HA	16	0.44
(1,3978)	1:29:B:LEU:HA	1:31:B:LYS:HA	15	0.44
(1,3978)	1:29:B:LEU:HA	1:31:B:LYS:HA	16	0.44
(1,3977)	1:29:A:LEU:HA	1:31:A:LYS:HA	15	0.44
(1,3977)	1:29:A:LEU:HA	1:31:A:LYS:HA	16	0.44
(1,3950)	1:21:B:GLY:HA3	1:22:B:LYS:HD3	17	0.44
(1,3949)	1:21:A:GLY:HA3	1:22:A:LYS:HD3	17	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3944)	1:42:B:LEU:HB3	1:79:B:LEU:HD23	16	0.44
(1,3943)	1:42:A:LEU:HB3	1:79:A:LEU:HD23	16	0.44
(1,3886)	1:7:B:LYS:HD2	1:7:B:LYS:HE3	18	0.44
(1,3885)	1:7:A:LYS:HD3	1:7:A:LYS:HE2	7	0.44
(1,3831)	1:9:A:LEU:HB2	1:12:A:MET:HB3	13	0.44
(1,3697)	1:56:A:GLN:HG2	1:57:A:LYS:HE2	3	0.44
(1,3667)	1:13:A:VAL:H	1:12:A:MET:HB3	1	0.44
(1,3636)	1:33:B:GLU:HB3	1:34:B:LEU:HB2	8	0.44
(1,3635)	1:33:A:GLU:HB3	1:34:A:LEU:HB2	8	0.44
(1,3633)	1:43:A:PRO:HB3	1:7:B:LYS:HG3	19	0.44
(1,3624)	1:43:B:PRO:HB3	1:47:B:GLY:HA3	13	0.44
(1,3623)	1:43:A:PRO:HB3	1:47:A:GLY:HA3	13	0.44
(1,3604)	1:31:B:LYS:HD2	1:35:B:LYS:H	19	0.44
(1,3600)	1:31:B:LYS:HD2	1:32:B:SER:HB2	10	0.44
(1,3599)	1:31:A:LYS:HD2	1:32:A:SER:HB2	10	0.44
(1,3566)	1:37:B:LEU:HG	1:19:B:TYR:HA	9	0.44
(1,3565)	1:37:A:LEU:HG	1:19:A:TYR:HA	9	0.44
(1,3540)	1:29:B:LEU:HD23	1:22:B:LYS:H	6	0.44
(1,3540)	1:29:B:LEU:HD23	1:22:B:LYS:H	16	0.44
(1,3539)	1:29:A:LEU:HD23	1:22:A:LYS:H	6	0.44
(1,3511)	1:42:A:LEU:HD23	1:6:B:GLU:HA	14	0.44
(1,3470)	1:57:B:LYS:HG2	1:46:B:LEU:HD21	20	0.44
(1,3458)	1:26:B:LYS:HG2	1:22:B:LYS:H	20	0.44
(1,3457)	1:26:A:LYS:HG3	1:28:A:LYS:H	17	0.44
(1,3457)	1:26:A:LYS:HG2	1:22:A:LYS:H	20	0.44
(1,3403)	1:77:A:VAL:HG23	1:83:B:ALA:HB3	1	0.44
(1,3396)	1:11:B:VAL:HG21	1:10:B:ASP:HB3	4	0.44
(1,3396)	1:11:B:VAL:HG22	1:10:B:ASP:HB3	8	0.44
(1,3395)	1:11:A:VAL:HG22	1:10:A:ASP:HB3	6	0.44
(1,3390)	1:10:B:ASP:H	1:11:B:VAL:HG22	1	0.44
(1,3390)	1:10:B:ASP:H	1:11:B:VAL:HG22	8	0.44
(1,3389)	1:10:A:ASP:H	1:11:A:VAL:HG22	8	0.44
(1,3238)	1:99:B:ARG:H	1:99:B:ARG:HB2	20	0.44
(1,3237)	1:99:A:ARG:H	1:99:A:ARG:HB2	20	0.44
(1,3214)	1:47:B:GLY:H	1:82:B:ILE:HD12	13	0.44
(1,3214)	1:47:B:GLY:H	1:82:B:ILE:HD11	14	0.44
(1,3213)	1:47:A:GLY:H	1:82:A:ILE:HD12	13	0.44
(1,3213)	1:47:A:GLY:H	1:82:A:ILE:HD11	14	0.44
(1,3190)	1:39:B:THR:H	1:29:B:LEU:HD11	2	0.44
(1,3189)	1:39:A:THR:H	1:29:A:LEU:HD11	2	0.44
(1,3160)	1:21:B:GLY:H	1:22:B:LYS:HD3	16	0.44
(1,3124)	1:73:B:GLN:HE22	1:78:B:PHE:HB2	3	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3123)	1:73:A:GLN:HE22	1:78:A:PHE:HB2	3	0.44
(1,3104)	1:65:B:ASN:HD21	1:69:B:GLU:HG3	16	0.44
(1,3103)	1:65:A:ASN:HD21	1:69:A:GLU:HG3	1	0.44
(1,3103)	1:65:A:ASN:HD21	1:69:A:GLU:HG3	16	0.44
(1,2870)	1:14:B:SER:H	1:16:B:PHE:HB3	11	0.44
(1,2869)	1:14:A:SER:H	1:16:A:PHE:HB3	11	0.44
(1,2785)	1:89:A:PHE:H	1:13:B:VAL:HG12	17	0.44
(1,2646)	1:10:B:ASP:H	1:9:B:LEU:HB3	20	0.44
(1,2645)	1:10:A:ASP:H	1:9:A:LEU:HB3	20	0.44
(1,2545)	1:93:A:PHE:H	1:96:A:LYS:HE3	12	0.44
(1,2316)	1:78:B:PHE:H	1:84:A:MET:HG2	19	0.44
(1,2304)	1:45:B:PHE:H	1:7:A:LYS:HD3	13	0.44
(1,2248)	1:8:B:ALA:H	1:43:A:PRO:HD2	17	0.44
(1,2247)	1:8:A:ALA:H	1:43:B:PRO:HD2	15	0.44
(1,2247)	1:8:A:ALA:H	1:43:B:PRO:HD2	20	0.44
(1,2073)	1:15:A:THR:HA	1:5:B:LEU:HD23	2	0.44
(1,2012)	1:94:B:PRO:HA	1:95:B:ASP:HB2	13	0.44
(1,2004)	1:98:B:PRO:HA	1:101:B:LYS:HG2	3	0.44
(1,2003)	1:98:A:PRO:HA	1:101:A:LYS:HG2	3	0.44
(1,1934)	1:50:B:THR:HA	1:46:B:LEU:HB3	20	0.44
(1,1933)	1:50:A:THR:HA	1:46:A:LEU:HB3	18	0.44
(1,1933)	1:50:A:THR:HA	1:46:A:LEU:HB3	20	0.44
(1,1932)	1:32:B:SER:HA	1:31:B:LYS:HD2	4	0.44
(1,1931)	1:32:A:SER:HA	1:31:A:LYS:HD2	4	0.44
(1,1904)	1:20:B:SER:HB2	1:19:B:TYR:H	12	0.44
(1,1903)	1:20:A:SER:HB2	1:19:A:TYR:H	12	0.44
(1,1876)	1:82:B:ILE:HG21	1:45:B:PHE:HA	2	0.44
(1,1876)	1:82:B:ILE:HG23	1:45:B:PHE:HA	15	0.44
(1,1875)	1:82:A:ILE:HG21	1:45:A:PHE:HA	2	0.44
(1,1875)	1:82:A:ILE:HG23	1:45:A:PHE:HA	15	0.44
(1,1518)	1:21:B:GLY:HA2	1:26:B:LYS:HE2	1	0.44
(1,1517)	1:21:A:GLY:HA2	1:26:A:LYS:HE2	1	0.44
(1,1485)	1:42:A:LEU:HB3	1:41:A:GLU:HB3	4	0.44
(1,1479)	1:42:A:LEU:HB2	1:45:A:PHE:HA	8	0.44
(1,1472)	1:42:B:LEU:HB3	1:38:B:LEU:H	13	0.44
(1,1471)	1:42:A:LEU:HB3	1:38:A:LEU:H	13	0.44
(1,1452)	1:29:B:LEU:HB2	1:37:B:LEU:HB3	5	0.44
(1,1451)	1:29:A:LEU:HB2	1:37:A:LEU:HB3	5	0.44
(1,1451)	1:29:A:LEU:HB2	1:37:A:LEU:HB3	6	0.44
(1,1408)	1:39:B:THR:HG23	1:40:B:ARG:HD2	11	0.44
(1,1407)	1:39:A:THR:HG23	1:40:A:ARG:HD2	11	0.44
(1,1344)	1:22:B:LYS:HE3	1:33:B:GLU:HG3	1	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1343)	1:22:A:LYS:HE3	1:33:A:GLU:HG3	1	0.44
(1,1321)	1:56:A:GLN:HE21	1:31:A:LYS:HE2	15	0.44
(1,1251)	1:63:A:ASP:HB2	1:60:A:SER:HA	5	0.44
(1,1142)	1:65:B:ASN:HB2	1:98:A:PRO:HB2	10	0.44
(1,1141)	1:65:A:ASN:HB2	1:98:B:PRO:HB2	10	0.44
(1,1137)	1:84:A:MET:HG3	1:85:A:MET:HG2	15	0.44
(1,1082)	1:33:B:GLU:HG2	1:29:B:LEU:HB2	11	0.44
(1,1081)	1:33:A:GLU:HG2	1:29:A:LEU:HB2	11	0.44
(1,1078)	1:52:B:GLU:HG3	1:53:B:ALA:HB3	18	0.44
(1,1077)	1:52:A:GLU:HG3	1:53:A:ALA:HB3	18	0.44
(1,1069)	1:88:A:GLU:HG3	1:96:A:LYS:HE3	2	0.44
(1,943)	1:59:A:MET:HG3	1:31:A:LYS:HE3	13	0.44
(1,802)	1:41:B:GLU:HB2	1:5:A:LEU:HD22	9	0.44
(1,802)	1:41:B:GLU:HB2	1:5:A:LEU:HD22	20	0.44
(1,801)	1:41:A:GLU:HB2	1:5:B:LEU:HD23	12	0.44
(1,801)	1:41:A:GLU:HB2	1:5:B:LEU:HD22	20	0.44
(1,800)	1:28:B:LYS:HD3	1:96:A:LYS:HB3	10	0.44
(1,799)	1:28:A:LYS:HD3	1:96:B:LYS:HB3	10	0.44
(1,742)	1:36:B:GLU:HB2	1:39:B:THR:HG23	11	0.44
(1,741)	1:36:A:GLU:HB2	1:39:A:THR:HG23	11	0.44
(1,636)	1:43:B:PRO:HG2	1:45:B:PHE:H	1	0.44
(1,635)	1:43:A:PRO:HG2	1:45:A:PHE:H	1	0.44
(1,635)	1:43:A:PRO:HG2	1:45:A:PHE:H	3	0.44
(1,635)	1:43:A:PRO:HG2	1:45:A:PHE:H	10	0.44
(1,614)	1:29:B:LEU:HD21	1:22:B:LYS:HD3	7	0.44
(1,613)	1:29:A:LEU:HD21	1:22:A:LYS:HD3	7	0.44
(1,584)	1:29:B:LEU:HD23	1:33:B:GLU:H	15	0.44
(1,583)	1:29:A:LEU:HD23	1:33:A:GLU:H	15	0.44
(1,502)	1:42:B:LEU:HD13	1:42:B:LEU:HA	4	0.44
(1,502)	1:42:B:LEU:HD13	1:42:B:LEU:HA	13	0.44
(1,501)	1:42:A:LEU:HD13	1:42:A:LEU:HA	4	0.44
(1,501)	1:42:A:LEU:HD13	1:42:A:LEU:HA	13	0.44
(1,454)	1:5:B:LEU:HD23	1:9:B:LEU:HD22	8	0.44
(1,453)	1:5:A:LEU:HD23	1:9:A:LEU:HD22	8	0.44
(1,416)	1:46:B:LEU:HD21	1:62:B:LEU:HD13	1	0.44
(1,415)	1:46:A:LEU:HD21	1:62:A:LEU:HD13	1	0.44
(1,394)	1:46:B:LEU:HD21	1:61:B:ASN:HD21	20	0.44
(1,393)	1:46:A:LEU:HD21	1:61:A:ASN:HD21	20	0.44
(1,261)	1:38:A:LEU:HD11	1:45:A:PHE:HA	11	0.44
(1,202)	1:34:B:LEU:H	1:34:B:LEU:HD13	7	0.44
(1,158)	1:39:B:THR:HG22	1:35:B:LYS:HB3	5	0.44
(1,157)	1:39:A:THR:HG22	1:35:A:LYS:HB3	9	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,76)	1:53:B:ALA:HB1	1:51:B:ASP:HA	6	0.44
(1,75)	1:53:A:ALA:HB1	1:51:A:ASP:HA	6	0.44
(1,48)	1:86:B:SER:H	1:82:B:ILE:HG21	15	0.44
(1,48)	1:86:B:SER:H	1:82:B:ILE:HG21	19	0.44
(1,47)	1:86:A:SER:H	1:82:A:ILE:HG21	15	0.44
(1,32)	1:82:B:ILE:HD12	1:45:B:PHE:HA	6	0.44
(1,32)	1:82:B:ILE:HD12	1:45:B:PHE:HA	16	0.44
(1,31)	1:82:A:ILE:HD12	1:45:A:PHE:HA	6	0.44
(1,31)	1:82:A:ILE:HD12	1:45:A:PHE:HA	16	0.44
(1,9)	1:5:A:LEU:HD13	1:15:B:THR:HB	20	0.44
(2,285)	1:65:A:ASN:HD21	1:68:A:ASN:HD21	17	0.43
(2,195)	1:22:A:LYS:H	1:19:A:TYR:HB2	7	0.43
(2,12)	1:7:B:LYS:HG3	1:5:B:LEU:H	6	0.43
(1,4578)	1:39:B:THR:H	1:36:B:GLU:HG3	9	0.43
(1,4554)	1:56:B:GLN:HE21	1:34:B:LEU:HD23	4	0.43
(1,4554)	1:56:B:GLN:HE21	1:34:B:LEU:HD21	8	0.43
(1,4553)	1:56:A:GLN:HE21	1:34:A:LEU:HD21	8	0.43
(1,4552)	1:56:B:GLN:HE21	1:60:B:SER:HA	20	0.43
(1,4516)	1:20:B:SER:H	1:18:B:LYS:HB3	20	0.43
(1,4515)	1:20:A:SER:H	1:18:A:LYS:HB3	9	0.43
(1,4515)	1:20:A:SER:H	1:18:A:LYS:HB3	20	0.43
(1,4510)	1:32:B:SER:H	1:34:B:LEU:HD22	7	0.43
(1,4509)	1:32:A:SER:H	1:34:A:LEU:HD22	7	0.43
(1,4490)	1:17:B:HIS:H	1:13:B:VAL:HG23	9	0.43
(1,4454)	1:69:B:GLU:H	1:31:B:LYS:HG2	6	0.43
(1,4453)	1:69:A:GLU:H	1:31:A:LYS:HG2	6	0.43
(1,4438)	1:38:B:LEU:H	1:37:B:LEU:HG	2	0.43
(1,4438)	1:38:B:LEU:H	1:39:B:THR:HG22	17	0.43
(1,4437)	1:38:A:LEU:H	1:37:A:LEU:HG	2	0.43
(1,4437)	1:38:A:LEU:H	1:39:A:THR:HG22	17	0.43
(1,4376)	1:95:B:ASP:H	1:96:B:LYS:HD3	16	0.43
(1,4375)	1:95:A:ASP:H	1:96:A:LYS:HD3	16	0.43
(1,4372)	1:95:B:ASP:H	1:94:B:PRO:HB3	3	0.43
(1,4372)	1:95:B:ASP:H	1:91:B:GLU:HG3	16	0.43
(1,4371)	1:95:A:ASP:H	1:94:A:PRO:HB3	3	0.43
(1,4371)	1:95:A:ASP:H	1:91:A:GLU:HG3	16	0.43
(1,4366)	1:9:B:LEU:H	1:79:A:LEU:HD11	19	0.43
(1,4358)	1:67:B:ASP:H	1:66:B:ARG:HB2	18	0.43
(1,4316)	1:74:B:GLU:H	1:70:B:VAL:HG21	19	0.43
(1,4315)	1:74:A:GLU:H	1:70:A:VAL:HG21	19	0.43
(1,4310)	1:22:B:LYS:H	1:17:B:HIS:HA	9	0.43
(1,4309)	1:22:A:LYS:H	1:17:A:HIS:HA	9	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4201)	1:39:A:THR:HB	1:36:A:GLU:HG2	16	0.43
(1,4178)	1:32:B:SER:HB2	1:31:B:LYS:HG3	7	0.43
(1,4166)	1:76:B:SER:HA	1:83:A:ALA:HB1	8	0.43
(1,4152)	1:13:B:VAL:HG12	1:14:B:SER:HA	18	0.43
(1,4151)	1:13:A:VAL:HG12	1:14:A:SER:HA	18	0.43
(1,4132)	1:20:B:SER:HB2	1:22:B:LYS:HG3	6	0.43
(1,4008)	1:69:B:GLU:HG2	1:28:B:LYS:HA	1	0.43
(1,4007)	1:69:A:GLU:HG2	1:28:A:LYS:HA	1	0.43
(1,3975)	1:42:A:LEU:HA	1:40:A:ARG:H	20	0.43
(1,3950)	1:21:B:GLY:HA3	1:22:B:LYS:HD3	8	0.43
(1,3948)	1:21:B:GLY:HA3	1:22:B:LYS:HB3	8	0.43
(1,3947)	1:21:A:GLY:HA3	1:22:A:LYS:HB3	8	0.43
(1,3944)	1:42:B:LEU:HB3	1:79:B:LEU:HD21	20	0.43
(1,3943)	1:42:A:LEU:HB3	1:79:A:LEU:HD21	20	0.43
(1,3926)	1:46:B:LEU:HD23	1:49:B:ARG:HD3	19	0.43
(1,3926)	1:49:B:ARG:HD3	1:46:B:LEU:HD13	20	0.43
(1,3925)	1:46:A:LEU:HD23	1:49:A:ARG:HD3	19	0.43
(1,3925)	1:49:A:ARG:HD3	1:46:A:LEU:HD13	20	0.43
(1,3886)	1:7:B:LYS:HD3	1:7:B:LYS:HE2	3	0.43
(1,3885)	1:7:A:LYS:HD3	1:7:A:LYS:HE2	3	0.43
(1,3885)	1:7:A:LYS:HD2	1:7:A:LYS:HE3	18	0.43
(1,3870)	1:51:B:ASP:HB2	1:49:B:ARG:HD2	4	0.43
(1,3788)	1:55:B:PHE:HB2	1:35:B:LYS:HB2	4	0.43
(1,3787)	1:55:A:PHE:HB2	1:35:A:LYS:HB2	4	0.43
(1,3780)	1:57:B:LYS:HB3	1:61:B:ASN:HB3	4	0.43
(1,3779)	1:57:A:LYS:HB3	1:61:A:ASN:HB3	4	0.43
(1,3724)	1:69:B:GLU:HG2	1:29:B:LEU:HA	14	0.43
(1,3723)	1:69:A:GLU:HG2	1:29:A:LEU:HA	14	0.43
(1,3644)	1:31:B:LYS:HB3	1:35:B:LYS:HA	2	0.43
(1,3643)	1:31:A:LYS:HB3	1:35:A:LYS:HA	2	0.43
(1,3634)	1:43:B:PRO:HB3	1:7:A:LYS:HG3	19	0.43
(1,3603)	1:31:A:LYS:HD3	1:35:A:LYS:H	5	0.43
(1,3595)	1:11:A:VAL:HG22	1:7:A:LYS:HD3	2	0.43
(1,3581)	1:31:A:LYS:HD3	1:59:A:MET:HG3	2	0.43
(1,3581)	1:31:A:LYS:HD3	1:59:A:MET:HG3	4	0.43
(1,3576)	1:88:B:GLU:HB2	1:90:B:PHE:HB3	18	0.43
(1,3575)	1:88:A:GLU:HB2	1:90:A:PHE:HB3	18	0.43
(1,3469)	1:57:A:LYS:HG2	1:46:A:LEU:HD21	20	0.43
(1,3458)	1:26:B:LYS:HG3	1:28:B:LYS:H	7	0.43
(1,3458)	1:26:B:LYS:HG3	1:28:B:LYS:H	17	0.43
(1,3457)	1:26:A:LYS:HG3	1:28:A:LYS:H	7	0.43
(1,3434)	1:38:B:LEU:HD12	1:41:B:GLU:HB3	7	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3433)	1:38:A:LEU:HD12	1:41:A:GLU:HB3	7	0.43
(1,3396)	1:11:B:VAL:HG21	1:10:B:ASP:HB3	15	0.43
(1,3395)	1:11:A:VAL:HG21	1:10:A:ASP:HB3	4	0.43
(1,3395)	1:11:A:VAL:HG22	1:10:A:ASP:HB3	8	0.43
(1,3390)	1:10:B:ASP:H	1:11:B:VAL:HG22	2	0.43
(1,3390)	1:10:B:ASP:H	1:11:B:VAL:HG21	9	0.43
(1,3390)	1:10:B:ASP:H	1:11:B:VAL:HG21	13	0.43
(1,3389)	1:10:A:ASP:H	1:11:A:VAL:HG22	2	0.43
(1,3389)	1:10:A:ASP:H	1:11:A:VAL:HG21	13	0.43
(1,3389)	1:10:A:ASP:H	1:11:A:VAL:HG22	18	0.43
(1,3376)	1:50:B:THR:HG23	1:35:B:LYS:HB3	6	0.43
(1,3376)	1:50:B:THR:HG21	1:35:B:LYS:HB3	19	0.43
(1,3375)	1:50:A:THR:HG21	1:35:A:LYS:HB3	19	0.43
(1,3318)	1:82:B:ILE:HG21	1:45:B:PHE:HA	3	0.43
(1,3317)	1:82:A:ILE:HG21	1:45:A:PHE:HA	3	0.43
(1,3264)	1:81:B:SER:H	1:82:B:ILE:HD13	6	0.43
(1,3263)	1:81:A:SER:H	1:82:A:ILE:HD13	6	0.43
(1,3238)	1:99:B:ARG:H	1:99:B:ARG:HB2	18	0.43
(1,3159)	1:21:A:GLY:H	1:22:A:LYS:HD3	16	0.43
(1,3104)	1:65:B:ASN:HD21	1:69:B:GLU:HG3	1	0.43
(1,2872)	1:14:B:SER:H	1:10:B:ASP:HB3	2	0.43
(1,2786)	1:89:B:PHE:H	1:13:A:VAL:HG11	8	0.43
(1,2786)	1:89:B:PHE:H	1:13:A:VAL:HG11	19	0.43
(1,2785)	1:89:A:PHE:H	1:13:B:VAL:HG13	4	0.43
(1,2785)	1:89:A:PHE:H	1:13:B:VAL:HG11	12	0.43
(1,2650)	1:10:B:ASP:H	1:82:A:ILE:HD11	2	0.43
(1,2649)	1:10:A:ASP:H	1:82:B:ILE:HD11	2	0.43
(1,2649)	1:10:A:ASP:H	1:82:B:ILE:HD13	13	0.43
(1,2646)	1:10:B:ASP:H	1:9:B:LEU:HB3	2	0.43
(1,2646)	1:10:B:ASP:H	1:9:B:LEU:HB3	15	0.43
(1,2646)	1:10:B:ASP:H	1:9:B:LEU:HB3	16	0.43
(1,2646)	1:10:B:ASP:H	1:9:B:LEU:HB3	18	0.43
(1,2645)	1:10:A:ASP:H	1:9:A:LEU:HB3	2	0.43
(1,2645)	1:10:A:ASP:H	1:9:A:LEU:HB3	15	0.43
(1,2645)	1:10:A:ASP:H	1:9:A:LEU:HB3	16	0.43
(1,2645)	1:10:A:ASP:H	1:9:A:LEU:HB3	18	0.43
(1,2416)	1:52:B:GLU:H	1:53:B:ALA:HB3	13	0.43
(1,2356)	1:54:B:ALA:H	1:46:B:LEU:HD11	17	0.43
(1,2355)	1:54:A:ALA:H	1:46:A:LEU:HD11	17	0.43
(1,2315)	1:78:A:PHE:H	1:84:B:MET:HG2	19	0.43
(1,2304)	1:45:B:PHE:H	1:7:A:LYS:HD2	19	0.43
(1,2303)	1:45:A:PHE:H	1:7:B:LYS:HD3	13	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2248)	1:8:B:ALA:H	1:43:A:PRO:HD2	15	0.43
(1,2116)	1:101:B:LYS:H	1:100:B:LYS:HB3	15	0.43
(1,2115)	1:101:A:LYS:H	1:100:A:LYS:HB3	15	0.43
(1,2084)	1:39:B:THR:HB	1:43:B:PRO:HD3	2	0.43
(1,2084)	1:39:B:THR:HB	1:43:B:PRO:HD3	7	0.43
(1,2083)	1:39:A:THR:HB	1:43:A:PRO:HD3	2	0.43
(1,2083)	1:39:A:THR:HB	1:43:A:PRO:HD3	7	0.43
(1,2083)	1:39:A:THR:HB	1:43:A:PRO:HD3	13	0.43
(1,2036)	1:43:B:PRO:HA	1:7:A:LYS:HD2	10	0.43
(1,2035)	1:43:A:PRO:HA	1:7:B:LYS:HD2	7	0.43
(1,2012)	1:94:B:PRO:HA	1:95:B:ASP:HB3	15	0.43
(1,2011)	1:94:A:PRO:HA	1:95:A:ASP:HB3	15	0.43
(1,1991)	1:60:A:SER:HB2	1:66:A:ARG:HD3	1	0.43
(1,1934)	1:50:B:THR:HA	1:46:B:LEU:HB3	12	0.43
(1,1934)	1:50:B:THR:HA	1:46:B:LEU:HB3	14	0.43
(1,1934)	1:50:B:THR:HA	1:46:B:LEU:HB3	18	0.43
(1,1933)	1:50:A:THR:HA	1:46:A:LEU:HB3	14	0.43
(1,1921)	1:86:A:SER:HA	1:13:B:VAL:HG21	17	0.43
(1,1876)	1:82:B:ILE:HG23	1:45:B:PHE:HA	10	0.43
(1,1875)	1:82:A:ILE:HG23	1:45:A:PHE:HA	10	0.43
(1,1492)	1:42:B:LEU:HB3	1:37:B:LEU:HD21	17	0.43
(1,1491)	1:42:A:LEU:HB3	1:37:A:LEU:HD21	17	0.43
(1,1480)	1:42:B:LEU:HB2	1:45:B:PHE:HA	8	0.43
(1,1452)	1:29:B:LEU:HB2	1:37:B:LEU:HB3	10	0.43
(1,1451)	1:29:A:LEU:HB2	1:37:A:LEU:HB3	10	0.43
(1,1314)	1:58:B:LEU:HB3	1:62:B:LEU:HD11	14	0.43
(1,1313)	1:58:A:LEU:HB3	1:62:A:LEU:HD11	14	0.43
(1,1197)	1:87:A:ASN:HB2	1:76:B:SER:HB2	6	0.43
(1,1078)	1:52:B:GLU:HG3	1:53:B:ALA:HB2	3	0.43
(1,1077)	1:52:A:GLU:HG3	1:53:A:ALA:HB2	3	0.43
(1,1070)	1:88:B:GLU:HG3	1:96:B:LYS:HE3	2	0.43
(1,1070)	1:88:B:GLU:HG3	1:96:B:LYS:HE2	17	0.43
(1,1069)	1:88:A:GLU:HG3	1:96:A:LYS:HE2	17	0.43
(1,1054)	1:52:B:GLU:HG3	1:51:B:ASP:H	12	0.43
(1,1041)	1:52:A:GLU:HG3	1:53:A:ALA:H	9	0.43
(1,944)	1:59:B:MET:HG3	1:31:B:LYS:HE3	13	0.43
(1,856)	1:26:B:LYS:HB3	1:21:B:GLY:HA2	15	0.43
(1,855)	1:26:A:LYS:HB3	1:21:A:GLY:HA2	15	0.43
(1,802)	1:41:B:GLU:HB2	1:5:A:LEU:HD23	12	0.43
(1,706)	1:88:B:GLU:HB2	1:96:B:LYS:HG2	1	0.43
(1,705)	1:88:A:GLU:HB2	1:96:A:LYS:HG2	1	0.43
(1,636)	1:43:B:PRO:HG2	1:45:B:PHE:H	9	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,636)	1:43:B:PRO:HG2	1:45:B:PHE:H	10	0.43
(1,635)	1:43:A:PRO:HG2	1:45:A:PHE:H	6	0.43
(1,635)	1:43:A:PRO:HG2	1:45:A:PHE:H	9	0.43
(1,508)	1:34:B:LEU:HD23	1:59:B:MET:HG2	17	0.43
(1,507)	1:34:A:LEU:HD23	1:59:A:MET:HG2	17	0.43
(1,502)	1:42:B:LEU:HD12	1:42:B:LEU:HA	7	0.43
(1,502)	1:42:B:LEU:HD12	1:42:B:LEU:HA	15	0.43
(1,501)	1:42:A:LEU:HD12	1:42:A:LEU:HA	7	0.43
(1,501)	1:42:A:LEU:HD12	1:42:A:LEU:HA	15	0.43
(1,494)	1:34:B:LEU:H	1:34:B:LEU:HD23	7	0.43
(1,494)	1:34:B:LEU:H	1:34:B:LEU:HD23	20	0.43
(1,493)	1:34:A:LEU:H	1:34:A:LEU:HD23	7	0.43
(1,493)	1:34:A:LEU:H	1:34:A:LEU:HD23	20	0.43
(1,454)	1:5:B:LEU:HD22	1:9:B:LEU:HD23	4	0.43
(1,453)	1:5:A:LEU:HD22	1:9:A:LEU:HD23	4	0.43
(1,338)	1:58:B:LEU:HD12	1:61:B:ASN:HB3	20	0.43
(1,337)	1:58:A:LEU:HD12	1:61:A:ASN:HB3	20	0.43
(1,262)	1:38:B:LEU:HD11	1:45:B:PHE:HA	11	0.43
(1,226)	1:71:B:ASP:H	1:70:B:VAL:HG23	14	0.43
(1,225)	1:71:A:ASP:H	1:70:A:VAL:HG23	14	0.43
(1,158)	1:39:B:THR:HG21	1:35:B:LYS:HB3	7	0.43
(1,157)	1:39:A:THR:HG22	1:35:A:LYS:HB3	5	0.43
(1,157)	1:39:A:THR:HG21	1:35:A:LYS:HB3	7	0.43
(1,157)	1:39:A:THR:HG21	1:35:A:LYS:HB3	15	0.43
(1,48)	1:86:B:SER:H	1:82:B:ILE:HG23	17	0.43
(1,47)	1:86:A:SER:H	1:82:A:ILE:HG23	17	0.43
(1,47)	1:86:A:SER:H	1:82:A:ILE:HG21	19	0.43
(1,18)	1:39:B:THR:HB	1:40:B:ARG:HG2	10	0.43
(1,17)	1:39:A:THR:HB	1:40:A:ARG:HG2	10	0.43
(1,10)	1:5:B:LEU:HD12	1:15:A:THR:HB	3	0.43
(1,10)	1:5:B:LEU:HD13	1:15:A:THR:HB	20	0.43
(1,6)	1:7:B:LYS:HD2	1:44:A:SER:HA	2	0.43
(1,5)	1:7:A:LYS:HD2	1:44:B:SER:HA	2	0.43
(2,287)	1:50:A:THR:H	1:48:A:LYS:HB2	18	0.42
(2,286)	1:65:B:ASN:HD21	1:68:B:ASN:HD21	17	0.42
(2,170)	1:70:B:VAL:H	1:30:B:ASN:HB2	16	0.42
(2,169)	1:70:A:VAL:H	1:30:A:ASN:HB2	16	0.42
(2,11)	1:7:A:LYS:HG3	1:5:A:LEU:H	6	0.42
(1,4604)	1:73:B:GLN:H	1:13:B:VAL:HG11	3	0.42
(1,4603)	1:73:A:GLN:H	1:13:A:VAL:HG11	3	0.42
(1,4578)	1:39:B:THR:H	1:36:B:GLU:HG3	10	0.42
(1,4577)	1:39:A:THR:H	1:36:A:GLU:HG3	9	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4577)	1:39:A:THR:H	1:36:A:GLU:HG3	10	0.42
(1,4553)	1:56:A:GLN:HE21	1:34:A:LEU:HD23	4	0.42
(1,4544)	1:97:B:GLN:HE21	1:98:B:PRO:HD3	9	0.42
(1,4543)	1:97:A:GLN:HE21	1:98:A:PRO:HD3	9	0.42
(1,4526)	1:68:B:ASN:HD21	1:56:B:GLN:HA	8	0.42
(1,4525)	1:68:A:ASN:HD21	1:56:A:GLN:HA	8	0.42
(1,4518)	1:20:B:SER:H	1:26:B:LYS:HD3	13	0.42
(1,4517)	1:20:A:SER:H	1:26:A:LYS:HD3	13	0.42
(1,4516)	1:20:B:SER:H	1:18:B:LYS:HB3	9	0.42
(1,4488)	1:17:B:HIS:H	1:26:B:LYS:HD2	5	0.42
(1,4487)	1:17:A:HIS:H	1:26:A:LYS:HD2	5	0.42
(1,4452)	1:69:B:GLU:H	1:67:B:ASP:HB3	14	0.42
(1,4451)	1:69:A:GLU:H	1:67:A:ASP:HB3	14	0.42
(1,4434)	1:38:B:LEU:H	1:55:B:PHE:HB3	20	0.42
(1,4433)	1:38:A:LEU:H	1:55:A:PHE:HB3	20	0.42
(1,4404)	1:15:B:THR:H	1:13:B:VAL:HB	15	0.42
(1,4403)	1:15:A:THR:H	1:13:A:VAL:HB	15	0.42
(1,4383)	1:76:A:SER:H	1:83:B:ALA:HB1	9	0.42
(1,4369)	1:95:A:ASP:H	1:27:B:PHE:HB2	17	0.42
(1,4366)	1:9:B:LEU:H	1:79:A:LEU:HD11	3	0.42
(1,4365)	1:9:A:LEU:H	1:79:B:LEU:HD11	3	0.42
(1,4358)	1:67:B:ASP:H	1:66:B:ARG:HB2	3	0.42
(1,4357)	1:67:A:ASP:H	1:66:A:ARG:HB2	3	0.42
(1,4357)	1:67:A:ASP:H	1:66:A:ARG:HB2	4	0.42
(1,4357)	1:67:A:ASP:H	1:66:A:ARG:HB2	18	0.42
(1,4296)	1:64:B:SER:H	1:63:B:ASP:H	6	0.42
(1,4295)	1:64:A:SER:H	1:63:A:ASP:H	6	0.42
(1,4202)	1:39:B:THR:HB	1:36:B:GLU:HG2	1	0.42
(1,4202)	1:39:B:THR:HB	1:36:B:GLU:HG2	4	0.42
(1,4202)	1:39:B:THR:HB	1:36:B:GLU:HG2	16	0.42
(1,4201)	1:39:A:THR:HB	1:36:A:GLU:HG2	1	0.42
(1,4201)	1:39:A:THR:HB	1:36:A:GLU:HG2	4	0.42
(1,4177)	1:32:A:SER:HB2	1:31:A:LYS:HG3	7	0.42
(1,4132)	1:20:B:SER:HB2	1:22:B:LYS:HG3	8	0.42
(1,4131)	1:20:A:SER:HB2	1:22:A:LYS:HG3	6	0.42
(1,4131)	1:20:A:SER:HB2	1:22:A:LYS:HG3	8	0.42
(1,3976)	1:42:B:LEU:HA	1:40:B:ARG:H	11	0.42
(1,3976)	1:42:B:LEU:HA	1:40:B:ARG:H	14	0.42
(1,3976)	1:42:B:LEU:HA	1:40:B:ARG:H	20	0.42
(1,3975)	1:42:A:LEU:HA	1:40:A:ARG:H	14	0.42
(1,3949)	1:21:A:GLY:HA3	1:22:A:LYS:HD3	8	0.42
(1,3869)	1:51:A:ASP:HB2	1:49:A:ARG:HD2	4	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3869)	1:51:A:ASP:HB3	1:49:A:ARG:HD2	13	0.42
(1,3816)	1:79:B:LEU:HB3	1:80:B:SER:HB3	17	0.42
(1,3815)	1:79:A:LEU:HB3	1:80:A:SER:HB3	17	0.42
(1,3792)	1:61:B:ASN:HB3	1:81:B:SER:HB2	12	0.42
(1,3791)	1:61:A:ASN:HB3	1:81:A:SER:HB2	12	0.42
(1,3791)	1:61:A:ASN:HB3	1:81:A:SER:HB3	13	0.42
(1,3668)	1:13:B:VAL:H	1:12:B:MET:HB3	7	0.42
(1,3667)	1:13:A:VAL:H	1:12:A:MET:HB3	7	0.42
(1,3644)	1:31:B:LYS:HB3	1:35:B:LYS:HA	14	0.42
(1,3635)	1:33:A:GLU:HB3	1:34:A:LEU:HB2	13	0.42
(1,3633)	1:43:A:PRO:HB3	1:7:B:LYS:HG3	18	0.42
(1,3624)	1:43:B:PRO:HB3	1:47:B:GLY:HA3	16	0.42
(1,3604)	1:31:B:LYS:HD3	1:35:B:LYS:H	5	0.42
(1,3596)	1:11:B:VAL:HG22	1:7:B:LYS:HD3	2	0.42
(1,3582)	1:31:B:LYS:HD3	1:59:B:MET:HG3	2	0.42
(1,3576)	1:88:B:GLU:HB2	1:90:B:PHE:HB3	20	0.42
(1,3575)	1:88:A:GLU:HB2	1:90:A:PHE:HB3	20	0.42
(1,3566)	1:37:B:LEU:HG	1:19:B:TYR:HA	3	0.42
(1,3565)	1:37:A:LEU:HG	1:19:A:TYR:HA	3	0.42
(1,3561)	1:56:A:GLN:HB3	1:53:A:ALA:HB3	3	0.42
(1,3540)	1:29:B:LEU:HD22	1:22:B:LYS:H	7	0.42
(1,3540)	1:29:B:LEU:HD22	1:22:B:LYS:H	11	0.42
(1,3539)	1:29:A:LEU:HD22	1:22:A:LYS:H	7	0.42
(1,3539)	1:29:A:LEU:HD22	1:22:A:LYS:H	11	0.42
(1,3521)	1:38:A:LEU:HD22	1:35:A:LYS:H	6	0.42
(1,3462)	1:29:B:LEU:HD13	1:69:B:GLU:HA	13	0.42
(1,3461)	1:29:A:LEU:HD13	1:69:A:GLU:HA	13	0.42
(1,3458)	1:26:B:LYS:HG3	1:28:B:LYS:H	13	0.42
(1,3457)	1:26:A:LYS:HG3	1:28:A:LYS:H	13	0.42
(1,3396)	1:11:B:VAL:HG23	1:10:B:ASP:HB3	12	0.42
(1,3395)	1:11:A:VAL:HG23	1:10:A:ASP:HB3	12	0.42
(1,3395)	1:11:A:VAL:HG21	1:10:A:ASP:HB3	15	0.42
(1,3390)	1:10:B:ASP:H	1:11:B:VAL:HG22	14	0.42
(1,3390)	1:10:B:ASP:H	1:11:B:VAL:HG22	18	0.42
(1,3390)	1:10:B:ASP:H	1:11:B:VAL:HG23	20	0.42
(1,3389)	1:10:A:ASP:H	1:11:A:VAL:HG21	9	0.42
(1,3389)	1:10:A:ASP:H	1:11:A:VAL:HG22	14	0.42
(1,3375)	1:50:A:THR:HG23	1:35:A:LYS:HB3	6	0.42
(1,3351)	1:13:A:VAL:HG12	1:90:B:PHE:H	15	0.42
(1,3339)	1:2:A:ALA:HB3	1:37:B:LEU:HD23	17	0.42
(1,3312)	1:82:B:ILE:HD13	1:10:A:ASP:HB2	17	0.42
(1,3311)	1:82:A:ILE:HD13	1:10:B:ASP:HB2	12	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3311)	1:82:A:ILE:HD13	1:10:B:ASP:HB2	17	0.42
(1,3237)	1:99:A:ARG:H	1:99:A:ARG:HB2	18	0.42
(1,3214)	1:47:B:GLY:H	1:82:B:ILE:HD12	6	0.42
(1,3214)	1:47:B:GLY:H	1:82:B:ILE:HD11	7	0.42
(1,3213)	1:47:A:GLY:H	1:82:A:ILE:HD11	7	0.42
(1,3164)	1:21:B:GLY:H	1:37:B:LEU:HD12	6	0.42
(1,3163)	1:21:A:GLY:H	1:37:A:LEU:HD12	6	0.42
(1,3074)	1:60:B:SER:H	1:62:B:LEU:HD12	2	0.42
(1,3073)	1:60:A:SER:H	1:62:A:LEU:HD12	2	0.42
(1,2922)	1:66:B:ARG:H	1:63:B:ASP:HB2	17	0.42
(1,2921)	1:66:A:ARG:H	1:63:A:ASP:HB2	17	0.42
(1,2872)	1:14:B:SER:H	1:10:B:ASP:HB3	5	0.42
(1,2872)	1:14:B:SER:H	1:10:B:ASP:HB3	12	0.42
(1,2872)	1:14:B:SER:H	1:10:B:ASP:HB3	17	0.42
(1,2871)	1:14:A:SER:H	1:10:A:ASP:HB3	12	0.42
(1,2786)	1:89:B:PHE:H	1:13:A:VAL:HG11	12	0.42
(1,2785)	1:89:A:PHE:H	1:13:B:VAL:HG11	8	0.42
(1,2785)	1:89:A:PHE:H	1:13:B:VAL:HG11	19	0.42
(1,2650)	1:10:B:ASP:H	1:82:A:ILE:HD13	13	0.42
(1,2650)	1:10:B:ASP:H	1:82:A:ILE:HD12	18	0.42
(1,2646)	1:10:B:ASP:H	1:9:B:LEU:HB3	8	0.42
(1,2645)	1:10:A:ASP:H	1:9:A:LEU:HB3	8	0.42
(1,2415)	1:52:A:GLU:H	1:53:A:ALA:HB2	1	0.42
(1,2415)	1:52:A:GLU:H	1:53:A:ALA:HB3	13	0.42
(1,2303)	1:45:A:PHE:H	1:7:B:LYS:HD2	19	0.42
(1,2248)	1:8:B:ALA:H	1:43:A:PRO:HD2	7	0.42
(1,2247)	1:8:A:ALA:H	1:43:B:PRO:HD2	7	0.42
(1,2247)	1:8:A:ALA:H	1:43:B:PRO:HD2	17	0.42
(1,2210)	1:30:B:ASN:H	1:33:B:GLU:HB3	4	0.42
(1,2209)	1:30:A:ASN:H	1:33:A:GLU:HB3	4	0.42
(1,2096)	1:26:B:LYS:H	1:26:B:LYS:HG2	5	0.42
(1,2096)	1:26:B:LYS:H	1:26:B:LYS:HG3	16	0.42
(1,2096)	1:26:B:LYS:H	1:26:B:LYS:HG3	18	0.42
(1,2095)	1:26:A:LYS:H	1:26:A:LYS:HG2	5	0.42
(1,2095)	1:26:A:LYS:H	1:26:A:LYS:HG3	16	0.42
(1,2095)	1:26:A:LYS:H	1:26:A:LYS:HG3	18	0.42
(1,2084)	1:39:B:THR:HB	1:43:B:PRO:HD3	13	0.42
(1,2035)	1:43:A:PRO:HA	1:7:B:LYS:HD2	10	0.42
(1,2011)	1:94:A:PRO:HA	1:95:A:ASP:HB2	13	0.42
(1,1992)	1:60:B:SER:HB2	1:66:B:ARG:HD3	1	0.42
(1,1933)	1:50:A:THR:HA	1:46:A:LEU:HB3	12	0.42
(1,1922)	1:86:B:SER:HA	1:13:A:VAL:HG22	5	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1922)	1:86:B:SER:HA	1:13:A:VAL:HG21	17	0.42
(1,1921)	1:86:A:SER:HA	1:13:B:VAL:HG22	4	0.42
(1,1921)	1:86:A:SER:HA	1:13:B:VAL:HG22	5	0.42
(1,1822)	1:7:B:LYS:HA	1:7:B:LYS:HD3	16	0.42
(1,1821)	1:7:A:LYS:HA	1:7:A:LYS:HD3	16	0.42
(1,1761)	1:61:A:ASN:HB3	1:58:A:LEU:HA	14	0.42
(1,1596)	1:95:B:ASP:HA	1:96:B:LYS:HG2	9	0.42
(1,1595)	1:95:A:ASP:HA	1:96:A:LYS:HG2	9	0.42
(1,1314)	1:58:B:LEU:HB3	1:62:B:LEU:HD12	4	0.42
(1,1313)	1:58:A:LEU:HB3	1:62:A:LEU:HD12	4	0.42
(1,1268)	1:19:B:TYR:HB3	1:29:B:LEU:HD13	20	0.42
(1,1267)	1:19:A:TYR:HB3	1:29:A:LEU:HD13	20	0.42
(1,1198)	1:87:B:ASN:HB2	1:76:A:SER:HB2	6	0.42
(1,1078)	1:52:B:GLU:HG3	1:53:B:ALA:HB3	2	0.42
(1,1078)	1:52:B:GLU:HG3	1:53:B:ALA:HB1	4	0.42
(1,1077)	1:52:A:GLU:HG3	1:53:A:ALA:HB1	4	0.42
(1,1053)	1:52:A:GLU:HG3	1:51:A:ASP:H	12	0.42
(1,1042)	1:52:B:GLU:HG3	1:53:B:ALA:H	9	0.42
(1,949)	1:12:A:MET:HB2	1:9:B:LEU:HD12	4	0.42
(1,892)	1:31:B:LYS:HB2	1:30:B:ASN:HA	17	0.42
(1,891)	1:31:A:LYS:HB2	1:30:A:ASN:HA	17	0.42
(1,856)	1:26:B:LYS:HB3	1:21:B:GLY:HA2	12	0.42
(1,855)	1:26:A:LYS:HB3	1:21:A:GLY:HA2	12	0.42
(1,802)	1:41:B:GLU:HB2	1:5:A:LEU:HD23	18	0.42
(1,801)	1:41:A:GLU:HB2	1:5:B:LEU:HD23	18	0.42
(1,728)	1:26:B:LYS:HD3	1:22:B:LYS:HA	16	0.42
(1,727)	1:26:A:LYS:HD3	1:22:A:LYS:HA	16	0.42
(1,608)	1:37:B:LEU:HD12	1:18:B:LYS:HE2	5	0.42
(1,607)	1:37:A:LEU:HD12	1:18:A:LYS:HE2	5	0.42
(1,524)	1:42:B:LEU:HD11	1:41:B:GLU:HA	1	0.42
(1,523)	1:42:A:LEU:HD11	1:41:A:GLU:HA	1	0.42
(1,502)	1:42:B:LEU:HD11	1:42:B:LEU:HA	1	0.42
(1,501)	1:42:A:LEU:HD11	1:42:A:LEU:HA	1	0.42
(1,494)	1:34:B:LEU:H	1:34:B:LEU:HD21	8	0.42
(1,494)	1:34:B:LEU:H	1:34:B:LEU:HD21	9	0.42
(1,494)	1:34:B:LEU:H	1:34:B:LEU:HD22	14	0.42
(1,494)	1:34:B:LEU:H	1:34:B:LEU:HD22	18	0.42
(1,493)	1:34:A:LEU:H	1:34:A:LEU:HD21	8	0.42
(1,493)	1:34:A:LEU:H	1:34:A:LEU:HD21	9	0.42
(1,493)	1:34:A:LEU:H	1:34:A:LEU:HD22	18	0.42
(1,474)	1:42:B:LEU:HD12	1:79:B:LEU:HA	6	0.42
(1,474)	1:42:B:LEU:HD13	1:79:B:LEU:HA	10	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,473)	1:42:A:LEU:HD12	1:79:A:LEU:HA	6	0.42
(1,473)	1:42:A:LEU:HD13	1:79:A:LEU:HA	10	0.42
(1,454)	1:5:B:LEU:HD21	1:9:B:LEU:HD21	17	0.42
(1,454)	1:5:B:LEU:HD22	1:9:B:LEU:HD22	18	0.42
(1,453)	1:5:A:LEU:HD21	1:9:A:LEU:HD21	17	0.42
(1,453)	1:5:A:LEU:HD22	1:9:A:LEU:HD22	18	0.42
(1,453)	1:5:A:LEU:HD21	1:9:A:LEU:HD22	19	0.42
(1,416)	1:46:B:LEU:HD21	1:62:B:LEU:HD11	10	0.42
(1,415)	1:46:A:LEU:HD21	1:62:A:LEU:HD11	10	0.42
(1,262)	1:38:B:LEU:HD13	1:45:B:PHE:HA	3	0.42
(1,261)	1:38:A:LEU:HD13	1:45:A:PHE:HA	3	0.42
(1,226)	1:71:B:ASP:H	1:70:B:VAL:HG23	15	0.42
(1,225)	1:71:A:ASP:H	1:70:A:VAL:HG23	15	0.42
(1,202)	1:34:B:LEU:H	1:34:B:LEU:HD13	8	0.42
(1,201)	1:34:A:LEU:H	1:34:A:LEU:HD13	8	0.42
(1,158)	1:39:B:THR:HG21	1:35:B:LYS:HB3	15	0.42
(1,106)	1:83:B:ALA:HB2	1:82:B:ILE:HD12	8	0.42
(1,105)	1:83:A:ALA:HB2	1:82:A:ILE:HD12	8	0.42
(1,48)	1:86:B:SER:H	1:82:B:ILE:HG21	20	0.42
(1,47)	1:86:A:SER:H	1:82:A:ILE:HG21	20	0.42
(1,32)	1:82:B:ILE:HD13	1:45:B:PHE:HA	2	0.42
(1,31)	1:82:A:ILE:HD13	1:45:A:PHE:HA	2	0.42
(1,28)	1:83:B:ALA:H	1:82:B:ILE:HD11	1	0.42
(1,27)	1:83:A:ALA:H	1:82:A:ILE:HD11	1	0.42
(1,12)	1:5:B:LEU:HD23	1:42:A:LEU:HG	11	0.42
(1,12)	1:5:B:LEU:HD23	1:42:A:LEU:HG	15	0.42
(1,11)	1:5:A:LEU:HD23	1:42:B:LEU:HG	15	0.42
(1,8)	1:79:B:LEU:HD11	1:9:A:LEU:HD23	3	0.42
(2,294)	1:21:B:GLY:H	1:26:B:LYS:HB3	11	0.41
(2,288)	1:50:B:THR:H	1:48:B:LYS:HB2	18	0.41
(2,276)	1:20:B:SER:H	1:29:B:LEU:HB2	18	0.41
(2,170)	1:70:B:VAL:H	1:30:B:ASN:HB2	14	0.41
(2,169)	1:70:A:VAL:H	1:30:A:ASN:HB2	14	0.41
(2,68)	1:59:B:MET:HB3	1:34:B:LEU:HB3	9	0.41
(2,67)	1:59:A:MET:HB3	1:34:A:LEU:HB3	9	0.41
(1,4620)	1:56:B:GLN:HE22	1:34:B:LEU:HD22	8	0.41
(1,4619)	1:56:A:GLN:HE22	1:34:A:LEU:HD22	8	0.41
(1,4597)	1:62:A:LEU:H	1:70:A:VAL:HG22	2	0.41
(1,4596)	1:88:B:GLU:H	1:94:B:PRO:HG3	2	0.41
(1,4595)	1:88:A:GLU:H	1:94:A:PRO:HG3	2	0.41
(1,4570)	1:30:B:ASN:HD22	1:37:B:LEU:HD11	10	0.41
(1,4569)	1:30:A:ASN:HD22	1:37:A:LEU:HD11	10	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4526)	1:68:B:ASN:HD21	1:56:B:GLN:HA	17	0.41
(1,4525)	1:68:A:ASN:HD21	1:56:A:GLN:HA	17	0.41
(1,4516)	1:20:B:SER:H	1:18:B:LYS:HB3	8	0.41
(1,4515)	1:20:A:SER:H	1:18:A:LYS:HB3	8	0.41
(1,4462)	1:31:B:LYS:H	1:59:B:MET:HG3	7	0.41
(1,4462)	1:31:B:LYS:H	1:59:B:MET:HG3	9	0.41
(1,4461)	1:31:A:LYS:H	1:59:A:MET:HG3	7	0.41
(1,4461)	1:31:A:LYS:H	1:59:A:MET:HG3	9	0.41
(1,4438)	1:38:B:LEU:H	1:39:B:THR:HG23	1	0.41
(1,4437)	1:38:A:LEU:H	1:39:A:THR:HG23	1	0.41
(1,4404)	1:15:B:THR:H	1:13:B:VAL:HB	1	0.41
(1,4403)	1:15:A:THR:H	1:13:A:VAL:HB	1	0.41
(1,4403)	1:15:A:THR:H	1:13:A:VAL:HB	8	0.41
(1,4384)	1:76:B:SER:H	1:83:A:ALA:HB3	7	0.41
(1,4384)	1:76:B:SER:H	1:83:A:ALA:HB1	9	0.41
(1,4384)	1:76:B:SER:H	1:83:A:ALA:HB3	18	0.41
(1,4358)	1:67:B:ASP:H	1:66:B:ARG:HB2	4	0.41
(1,4316)	1:74:B:GLU:H	1:70:B:VAL:HG22	2	0.41
(1,4316)	1:74:B:GLU:H	1:70:B:VAL:HG22	8	0.41
(1,4315)	1:74:A:GLU:H	1:70:A:VAL:HG22	2	0.41
(1,4315)	1:74:A:GLU:H	1:70:A:VAL:HG22	8	0.41
(1,4288)	1:45:B:PHE:H	1:82:B:ILE:HG22	6	0.41
(1,4287)	1:45:A:PHE:H	1:82:A:ILE:HG22	6	0.41
(1,4254)	1:77:B:VAL:H	1:62:B:LEU:HB3	5	0.41
(1,4253)	1:77:A:VAL:H	1:62:A:LEU:HB3	5	0.41
(1,4202)	1:39:B:THR:HB	1:36:B:GLU:HG2	13	0.41
(1,4201)	1:39:A:THR:HB	1:36:A:GLU:HG2	13	0.41
(1,4200)	1:50:B:THR:HB	1:49:B:ARG:HD2	2	0.41
(1,4199)	1:50:A:THR:HB	1:49:A:ARG:HD2	2	0.41
(1,4163)	1:14:A:SER:HB3	1:18:A:LYS:HD3	1	0.41
(1,4132)	1:20:B:SER:HB2	1:22:B:LYS:HG3	18	0.41
(1,4131)	1:20:A:SER:HB2	1:22:A:LYS:HG3	18	0.41
(1,4110)	1:2:B:ALA:HB3	1:6:B:GLU:HA	18	0.41
(1,4109)	1:2:A:ALA:HB3	1:6:A:GLU:HA	18	0.41
(1,4008)	1:69:B:GLU:HG2	1:28:B:LYS:HA	13	0.41
(1,4007)	1:69:A:GLU:HG2	1:28:A:LYS:HA	13	0.41
(1,3976)	1:42:B:LEU:HA	1:40:B:ARG:H	6	0.41
(1,3975)	1:42:A:LEU:HA	1:40:A:ARG:H	11	0.41
(1,3972)	1:2:B:ALA:HA	1:11:A:VAL:HG11	14	0.41
(1,3972)	1:2:B:ALA:HA	1:11:A:VAL:HG11	20	0.41
(1,3971)	1:2:A:ALA:HA	1:11:B:VAL:HG11	14	0.41
(1,3971)	1:2:A:ALA:HA	1:11:B:VAL:HG11	15	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3971)	1:2:A:ALA:HA	1:11:B:VAL:HG11	20	0.41
(1,3958)	1:98:B:PRO:HD2	1:99:B:ARG:HA	2	0.41
(1,3957)	1:98:A:PRO:HD2	1:99:A:ARG:HA	2	0.41
(1,3948)	1:21:B:GLY:HA3	1:22:B:LYS:HB3	4	0.41
(1,3947)	1:21:A:GLY:HA3	1:22:A:LYS:HB3	4	0.41
(1,3944)	1:42:B:LEU:HB3	1:79:B:LEU:HD23	18	0.41
(1,3943)	1:42:A:LEU:HB3	1:79:A:LEU:HD23	18	0.41
(1,3926)	1:46:B:LEU:HD22	1:49:B:ARG:HD3	6	0.41
(1,3925)	1:46:A:LEU:HD22	1:49:A:ARG:HD3	6	0.41
(1,3870)	1:51:B:ASP:HB3	1:49:B:ARG:HD2	13	0.41
(1,3816)	1:79:B:LEU:HB3	1:80:B:SER:HB3	14	0.41
(1,3816)	1:79:B:LEU:HB3	1:80:B:SER:HB3	15	0.41
(1,3815)	1:79:A:LEU:HB3	1:80:A:SER:HB3	14	0.41
(1,3815)	1:79:A:LEU:HB3	1:80:A:SER:HB3	15	0.41
(1,3792)	1:61:B:ASN:HB3	1:81:B:SER:HB3	13	0.41
(1,3668)	1:13:B:VAL:H	1:12:B:MET:HB3	3	0.41
(1,3668)	1:13:B:VAL:H	1:12:B:MET:HB3	14	0.41
(1,3667)	1:13:A:VAL:H	1:12:A:MET:HB3	3	0.41
(1,3667)	1:13:A:VAL:H	1:12:A:MET:HB3	14	0.41
(1,3643)	1:31:A:LYS:HB3	1:35:A:LYS:HA	14	0.41
(1,3636)	1:33:B:GLU:HB3	1:34:B:LEU:HB2	13	0.41
(1,3634)	1:43:B:PRO:HB3	1:7:A:LYS:HG3	18	0.41
(1,3633)	1:43:A:PRO:HB3	1:7:B:LYS:HG3	16	0.41
(1,3632)	1:59:B:MET:HB3	1:34:B:LEU:HB3	9	0.41
(1,3631)	1:59:A:MET:HB3	1:34:A:LEU:HB3	9	0.41
(1,3623)	1:43:A:PRO:HB3	1:47:A:GLY:HA3	16	0.41
(1,3582)	1:31:B:LYS:HD3	1:59:B:MET:HG3	4	0.41
(1,3566)	1:37:B:LEU:HG	1:19:B:TYR:HA	13	0.41
(1,3566)	1:37:B:LEU:HG	1:19:B:TYR:HA	20	0.41
(1,3565)	1:37:A:LEU:HG	1:19:A:TYR:HA	20	0.41
(1,3562)	1:56:B:GLN:HB3	1:53:B:ALA:HB3	3	0.41
(1,3550)	1:37:B:LEU:HD13	1:18:B:LYS:HB3	9	0.41
(1,3549)	1:37:A:LEU:HD13	1:18:A:LYS:HB3	9	0.41
(1,3540)	1:29:B:LEU:HD21	1:22:B:LYS:H	14	0.41
(1,3539)	1:29:A:LEU:HD21	1:22:A:LYS:H	14	0.41
(1,3522)	1:38:B:LEU:HD22	1:35:B:LYS:H	6	0.41
(1,3458)	1:26:B:LYS:HG2	1:22:B:LYS:H	4	0.41
(1,3457)	1:26:A:LYS:HG2	1:22:A:LYS:H	4	0.41
(1,3394)	1:77:B:VAL:HG22	1:74:B:GLU:HA	20	0.41
(1,3392)	1:68:B:ASN:HD21	1:70:B:VAL:HG22	17	0.41
(1,3391)	1:68:A:ASN:HD21	1:70:A:VAL:HG22	17	0.41
(1,3389)	1:10:A:ASP:H	1:11:A:VAL:HG23	12	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3389)	1:10:A:ASP:H	1:11:A:VAL:HG23	20	0.41
(1,3352)	1:13:B:VAL:HG12	1:90:A:PHE:H	15	0.41
(1,3351)	1:13:A:VAL:HG13	1:90:B:PHE:H	13	0.41
(1,3318)	1:82:B:ILE:HG22	1:45:B:PHE:HA	7	0.41
(1,3317)	1:82:A:ILE:HG22	1:45:A:PHE:HA	7	0.41
(1,3312)	1:82:B:ILE:HD13	1:10:A:ASP:HB2	12	0.41
(1,3304)	1:9:B:LEU:HD12	1:15:A:THR:HB	4	0.41
(1,3304)	1:9:B:LEU:HD12	1:15:A:THR:HB	17	0.41
(1,3303)	1:9:A:LEU:HD12	1:15:B:THR:HB	4	0.41
(1,3264)	1:81:B:SER:H	1:82:B:ILE:HD12	14	0.41
(1,3263)	1:81:A:SER:H	1:82:A:ILE:HD12	14	0.41
(1,3214)	1:47:B:GLY:H	1:82:B:ILE:HD11	3	0.41
(1,3213)	1:47:A:GLY:H	1:82:A:ILE:HD12	6	0.41
(1,2957)	1:28:A:LYS:H	1:20:A:SER:HB3	10	0.41
(1,2872)	1:14:B:SER:H	1:10:B:ASP:HB3	15	0.41
(1,2871)	1:14:A:SER:H	1:10:A:ASP:HB3	5	0.41
(1,2871)	1:14:A:SER:H	1:10:A:ASP:HB3	14	0.41
(1,2871)	1:14:A:SER:H	1:10:A:ASP:HB3	15	0.41
(1,2871)	1:14:A:SER:H	1:10:A:ASP:HB3	17	0.41
(1,2818)	1:40:B:ARG:H	1:39:B:THR:HG22	20	0.41
(1,2817)	1:40:A:ARG:H	1:39:A:THR:HG22	20	0.41
(1,2786)	1:89:B:PHE:H	1:13:A:VAL:HG13	4	0.41
(1,2650)	1:10:B:ASP:H	1:82:A:ILE:HD13	4	0.41
(1,2649)	1:10:A:ASP:H	1:82:B:ILE:HD12	18	0.41
(1,2646)	1:10:B:ASP:H	1:9:B:LEU:HB3	3	0.41
(1,2646)	1:10:B:ASP:H	1:9:B:LEU:HB3	4	0.41
(1,2646)	1:10:B:ASP:H	1:9:B:LEU:HB3	11	0.41
(1,2645)	1:10:A:ASP:H	1:9:A:LEU:HB3	3	0.41
(1,2645)	1:10:A:ASP:H	1:9:A:LEU:HB3	4	0.41
(1,2645)	1:10:A:ASP:H	1:9:A:LEU:HB3	11	0.41
(1,2545)	1:93:A:PHE:H	1:96:A:LYS:HE2	19	0.41
(1,2478)	1:87:B:ASN:H	1:13:A:VAL:HG23	20	0.41
(1,2477)	1:87:A:ASN:H	1:13:B:VAL:HG23	20	0.41
(1,2416)	1:52:B:GLU:H	1:53:B:ALA:HB2	1	0.41
(1,2248)	1:8:B:ALA:H	1:43:A:PRO:HD2	19	0.41
(1,2247)	1:8:A:ALA:H	1:43:B:PRO:HD2	19	0.41
(1,2210)	1:30:B:ASN:H	1:33:B:GLU:HB3	2	0.41
(1,2210)	1:30:B:ASN:H	1:33:B:GLU:HB3	7	0.41
(1,2209)	1:30:A:ASN:H	1:33:A:GLU:HB3	2	0.41
(1,2193)	1:12:A:MET:H	1:79:A:LEU:HD11	15	0.41
(1,2096)	1:26:B:LYS:H	1:26:B:LYS:HG3	7	0.41
(1,2084)	1:39:B:THR:HB	1:43:B:PRO:HD3	17	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2083)	1:39:A:THR:HB	1:43:A:PRO:HD3	17	0.41
(1,2075)	1:50:A:THR:HB	1:35:A:LYS:HE2	3	0.41
(1,2075)	1:50:A:THR:HB	1:35:A:LYS:HE2	8	0.41
(1,2036)	1:43:B:PRO:HA	1:7:A:LYS:HD2	7	0.41
(1,1991)	1:60:A:SER:HB3	1:66:A:ARG:HD3	10	0.41
(1,1762)	1:61:B:ASN:HB3	1:58:B:LEU:HA	14	0.41
(1,1596)	1:95:B:ASP:HA	1:96:B:LYS:HG2	14	0.41
(1,1595)	1:95:A:ASP:HA	1:96:A:LYS:HG2	14	0.41
(1,1480)	1:42:B:LEU:HB2	1:45:B:PHE:HA	9	0.41
(1,1448)	1:29:B:LEU:HB2	1:33:B:GLU:HB3	8	0.41
(1,1447)	1:29:A:LEU:HB2	1:33:A:GLU:HB3	8	0.41
(1,1338)	1:71:B:ASP:HB2	1:75:B:TYR:HB3	20	0.41
(1,1337)	1:71:A:ASP:HB2	1:75:A:TYR:HB3	20	0.41
(1,1266)	1:79:B:LEU:HB2	1:9:A:LEU:HD11	5	0.41
(1,1265)	1:79:A:LEU:HB2	1:9:B:LEU:HD11	5	0.41
(1,1238)	1:18:B:LYS:HB3	1:16:B:PHE:HB2	10	0.41
(1,1090)	1:91:B:GLU:HG3	1:91:B:GLU:HA	4	0.41
(1,1090)	1:91:B:GLU:HG3	1:91:B:GLU:HA	10	0.41
(1,1089)	1:91:A:GLU:HG3	1:91:A:GLU:HA	4	0.41
(1,1089)	1:91:A:GLU:HG3	1:91:A:GLU:HA	10	0.41
(1,1078)	1:52:B:GLU:HG3	1:53:B:ALA:HB3	1	0.41
(1,1077)	1:52:A:GLU:HG3	1:53:A:ALA:HB3	1	0.41
(1,1077)	1:52:A:GLU:HG3	1:53:A:ALA:HB3	2	0.41
(1,1077)	1:52:A:GLU:HG3	1:53:A:ALA:HB3	16	0.41
(1,1070)	1:88:B:GLU:HG3	1:96:B:LYS:HE2	19	0.41
(1,1070)	1:88:B:GLU:HG3	1:96:B:LYS:HE3	20	0.41
(1,1069)	1:88:A:GLU:HG3	1:96:A:LYS:HE2	19	0.41
(1,1069)	1:88:A:GLU:HG3	1:96:A:LYS:HE3	20	0.41
(1,950)	1:12:B:MET:HB2	1:9:A:LEU:HD12	4	0.41
(1,892)	1:31:B:LYS:HB2	1:30:B:ASN:HA	12	0.41
(1,802)	1:41:B:GLU:HB2	1:5:A:LEU:HD23	5	0.41
(1,801)	1:41:A:GLU:HB2	1:5:B:LEU:HD23	5	0.41
(1,690)	1:35:B:LYS:HD3	1:55:B:PHE:HB2	19	0.41
(1,689)	1:35:A:LYS:HD3	1:55:A:PHE:HB2	19	0.41
(1,686)	1:100:B:LYS:HD3	1:101:B:LYS:HA	18	0.41
(1,685)	1:100:A:LYS:HD3	1:101:A:LYS:HA	18	0.41
(1,636)	1:43:B:PRO:HG2	1:45:B:PHE:H	6	0.41
(1,494)	1:34:B:LEU:H	1:34:B:LEU:HD22	1	0.41
(1,494)	1:34:B:LEU:H	1:34:B:LEU:HD23	6	0.41
(1,494)	1:34:B:LEU:H	1:34:B:LEU:HD21	12	0.41
(1,493)	1:34:A:LEU:H	1:34:A:LEU:HD22	1	0.41
(1,493)	1:34:A:LEU:H	1:34:A:LEU:HD23	6	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,493)	1:34:A:LEU:H	1:34:A:LEU:HD21	12	0.41
(1,493)	1:34:A:LEU:H	1:34:A:LEU:HD22	14	0.41
(1,454)	1:5:B:LEU:HD21	1:9:B:LEU:HD22	19	0.41
(1,407)	1:46:A:LEU:HD23	1:46:A:LEU:HB2	18	0.41
(1,401)	1:31:A:LYS:HG2	1:59:A:MET:HG3	13	0.41
(1,366)	1:96:B:LYS:HG3	1:91:B:GLU:H	20	0.41
(1,365)	1:96:A:LYS:HG3	1:91:A:GLU:H	20	0.41
(1,262)	1:38:B:LEU:HD13	1:45:B:PHE:HA	7	0.41
(1,261)	1:38:A:LEU:HD13	1:45:A:PHE:HA	7	0.41
(1,226)	1:71:B:ASP:H	1:70:B:VAL:HG23	3	0.41
(1,225)	1:71:A:ASP:H	1:70:A:VAL:HG23	3	0.41
(1,158)	1:39:B:THR:HG23	1:35:B:LYS:HB3	6	0.41
(1,158)	1:39:B:THR:HG23	1:35:B:LYS:HB3	11	0.41
(1,157)	1:39:A:THR:HG23	1:35:A:LYS:HB3	6	0.41
(1,75)	1:53:A:ALA:HB1	1:51:A:ASP:HA	8	0.41
(1,48)	1:86:B:SER:H	1:82:B:ILE:HG21	9	0.41
(1,48)	1:86:B:SER:H	1:82:B:ILE:HG23	12	0.41
(1,47)	1:86:A:SER:H	1:82:A:ILE:HG21	9	0.41
(1,47)	1:86:A:SER:H	1:82:A:ILE:HG23	12	0.41
(1,32)	1:82:B:ILE:HD11	1:45:B:PHE:HA	7	0.41
(1,31)	1:82:A:ILE:HD11	1:45:A:PHE:HA	7	0.41
(1,28)	1:83:B:ALA:H	1:82:B:ILE:HD13	6	0.41
(1,28)	1:83:B:ALA:H	1:82:B:ILE:HD13	10	0.41
(1,27)	1:83:A:ALA:H	1:82:A:ILE:HD13	6	0.41
(1,27)	1:83:A:ALA:H	1:82:A:ILE:HD13	10	0.41
(1,12)	1:5:B:LEU:HD21	1:42:A:LEU:HG	10	0.41
(1,12)	1:5:B:LEU:HD23	1:42:A:LEU:HG	12	0.41
(1,11)	1:5:A:LEU:HD21	1:42:B:LEU:HG	10	0.41
(1,11)	1:5:A:LEU:HD23	1:42:B:LEU:HG	11	0.41
(1,11)	1:5:A:LEU:HD23	1:42:B:LEU:HG	12	0.41
(1,7)	1:79:A:LEU:HD11	1:9:B:LEU:HD23	3	0.41
(1,6)	1:7:B:LYS:HD2	1:44:A:SER:HA	4	0.41
(1,5)	1:7:A:LYS:HD2	1:44:B:SER:HA	6	0.41
(2,293)	1:21:A:GLY:H	1:26:A:LYS:HB3	11	0.4
(2,285)	1:65:A:ASN:HD21	1:68:A:ASN:HD21	5	0.4
(2,275)	1:20:A:SER:H	1:29:A:LEU:HB2	18	0.4
(1,4616)	1:56:B:GLN:HE22	1:60:B:SER:HA	5	0.4
(1,4615)	1:56:A:GLN:HE22	1:60:A:SER:HA	5	0.4
(1,4598)	1:62:B:LEU:H	1:70:B:VAL:HG22	2	0.4
(1,4568)	1:30:B:ASN:HD22	1:29:B:LEU:HB3	10	0.4
(1,4568)	1:30:B:ASN:HD22	1:69:B:GLU:HG2	20	0.4
(1,4567)	1:30:A:ASN:HD22	1:29:A:LEU:HB3	10	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4567)	1:30:A:ASN:HD22	1:69:A:GLU:HG2	20	0.4
(1,4551)	1:56:A:GLN:HE21	1:60:A:SER:HA	12	0.4
(1,4518)	1:20:B:SER:H	1:26:B:LYS:HD3	19	0.4
(1,4517)	1:20:A:SER:H	1:26:A:LYS:HD3	19	0.4
(1,4516)	1:20:B:SER:H	1:18:B:LYS:HB3	14	0.4
(1,4515)	1:20:A:SER:H	1:18:A:LYS:HB3	14	0.4
(1,4507)	1:32:A:SER:H	1:33:A:GLU:HB3	19	0.4
(1,4490)	1:17:B:HIS:H	1:13:B:VAL:HG21	4	0.4
(1,4489)	1:17:A:HIS:H	1:13:A:VAL:HG21	4	0.4
(1,4488)	1:17:B:HIS:H	1:26:B:LYS:HD2	3	0.4
(1,4487)	1:17:A:HIS:H	1:26:A:LYS:HD2	3	0.4
(1,4438)	1:38:B:LEU:H	1:39:B:THR:HG23	11	0.4
(1,4404)	1:15:B:THR:H	1:12:B:MET:HB2	2	0.4
(1,4404)	1:15:B:THR:H	1:13:B:VAL:HB	8	0.4
(1,4404)	1:15:B:THR:H	1:13:B:VAL:HB	14	0.4
(1,4403)	1:15:A:THR:H	1:12:A:MET:HB2	2	0.4
(1,4403)	1:15:A:THR:H	1:13:A:VAL:HB	14	0.4
(1,4390)	1:76:B:SER:H	1:79:B:LEU:HD11	16	0.4
(1,4389)	1:76:A:SER:H	1:79:A:LEU:HD11	16	0.4
(1,4383)	1:76:A:SER:H	1:83:B:ALA:HB3	18	0.4
(1,4372)	1:95:B:ASP:H	1:91:B:GLU:HG3	17	0.4
(1,4371)	1:95:A:ASP:H	1:91:A:GLU:HG3	17	0.4
(1,4358)	1:67:B:ASP:H	1:66:B:ARG:HB2	17	0.4
(1,4357)	1:67:A:ASP:H	1:66:A:ARG:HB2	17	0.4
(1,4336)	1:6:B:GLU:H	1:5:B:LEU:HG	14	0.4
(1,4335)	1:6:A:GLU:H	1:5:A:LEU:HG	13	0.4
(1,4335)	1:6:A:GLU:H	1:5:A:LEU:HG	14	0.4
(1,4324)	1:42:B:LEU:H	1:37:B:LEU:HD22	2	0.4
(1,4323)	1:42:A:LEU:H	1:37:A:LEU:HD22	2	0.4
(1,4316)	1:74:B:GLU:H	1:70:B:VAL:HG23	15	0.4
(1,4315)	1:74:A:GLU:H	1:70:A:VAL:HG23	15	0.4
(1,4166)	1:76:B:SER:HA	1:83:A:ALA:HB3	6	0.4
(1,4166)	1:76:B:SER:HA	1:83:A:ALA:HB3	18	0.4
(1,4132)	1:20:B:SER:HB2	1:22:B:LYS:HG3	15	0.4
(1,4110)	1:2:B:ALA:HB2	1:6:B:GLU:HA	12	0.4
(1,4109)	1:2:A:ALA:HB2	1:6:A:GLU:HA	12	0.4
(1,4084)	1:74:B:GLU:HA	1:78:B:PHE:HA	9	0.4
(1,4083)	1:74:A:GLU:HA	1:78:A:PHE:HA	9	0.4
(1,4062)	1:10:B:ASP:HA	1:82:A:ILE:HB	8	0.4
(1,4061)	1:10:A:ASP:HA	1:82:B:ILE:HB	8	0.4
(1,3976)	1:42:B:LEU:HA	1:40:B:ARG:H	4	0.4
(1,3976)	1:42:B:LEU:HA	1:40:B:ARG:H	8	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3975)	1:42:A:LEU:HA	1:40:A:ARG:H	4	0.4
(1,3975)	1:42:A:LEU:HA	1:40:A:ARG:H	6	0.4
(1,3975)	1:42:A:LEU:HA	1:40:A:ARG:H	8	0.4
(1,3948)	1:21:B:GLY:HA3	1:22:B:LYS:HB3	2	0.4
(1,3948)	1:21:B:GLY:HA3	1:22:B:LYS:HB3	6	0.4
(1,3948)	1:21:B:GLY:HA3	1:22:B:LYS:HB3	20	0.4
(1,3947)	1:21:A:GLY:HA3	1:22:A:LYS:HB3	2	0.4
(1,3947)	1:21:A:GLY:HA3	1:22:A:LYS:HB3	6	0.4
(1,3947)	1:21:A:GLY:HA3	1:22:A:LYS:HB3	20	0.4
(1,3886)	1:7:B:LYS:HD2	1:7:B:LYS:HE3	17	0.4
(1,3885)	1:7:A:LYS:HD2	1:7:A:LYS:HE3	17	0.4
(1,3848)	1:9:B:LEU:HB2	1:79:A:LEU:HD11	17	0.4
(1,3812)	1:18:B:LYS:HB3	1:16:B:PHE:HB2	15	0.4
(1,3811)	1:18:A:LYS:HB3	1:16:A:PHE:HB2	15	0.4
(1,3668)	1:13:B:VAL:H	1:12:B:MET:HB3	13	0.4
(1,3667)	1:13:A:VAL:H	1:12:A:MET:HB3	13	0.4
(1,3634)	1:43:B:PRO:HB3	1:7:A:LYS:HG3	16	0.4
(1,3623)	1:43:A:PRO:HB3	1:47:A:GLY:HA3	7	0.4
(1,3584)	1:7:B:LYS:HD3	1:7:B:LYS:HB3	10	0.4
(1,3583)	1:7:A:LYS:HD3	1:7:A:LYS:HB3	10	0.4
(1,3565)	1:37:A:LEU:HG	1:19:A:TYR:HA	13	0.4
(1,3522)	1:38:B:LEU:HD22	1:35:B:LYS:H	14	0.4
(1,3521)	1:38:A:LEU:HD22	1:35:A:LYS:H	14	0.4
(1,3458)	1:26:B:LYS:HG3	1:28:B:LYS:H	9	0.4
(1,3458)	1:26:B:LYS:HG3	1:28:B:LYS:H	15	0.4
(1,3457)	1:26:A:LYS:HG3	1:28:A:LYS:H	9	0.4
(1,3457)	1:26:A:LYS:HG3	1:28:A:LYS:H	15	0.4
(1,3457)	1:26:A:LYS:HG3	1:28:A:LYS:H	18	0.4
(1,3434)	1:38:B:LEU:HD13	1:41:B:GLU:HB3	15	0.4
(1,3395)	1:11:A:VAL:HG22	1:10:A:ASP:HB3	2	0.4
(1,3393)	1:77:A:VAL:HG22	1:74:A:GLU:HA	20	0.4
(1,3392)	1:68:B:ASN:HD21	1:70:B:VAL:HG21	5	0.4
(1,3392)	1:68:B:ASN:HD21	1:70:B:VAL:HG23	10	0.4
(1,3391)	1:68:A:ASN:HD21	1:70:A:VAL:HG21	5	0.4
(1,3390)	1:10:B:ASP:H	1:11:B:VAL:HG23	7	0.4
(1,3390)	1:10:B:ASP:H	1:11:B:VAL:HG23	12	0.4
(1,3389)	1:10:A:ASP:H	1:11:A:VAL:HG23	7	0.4
(1,3370)	1:50:B:THR:HG23	1:49:B:ARG:HD2	8	0.4
(1,3369)	1:50:A:THR:HG23	1:49:A:ARG:HD2	8	0.4
(1,3352)	1:13:B:VAL:HG13	1:90:A:PHE:H	13	0.4
(1,3352)	1:13:B:VAL:HG12	1:90:A:PHE:H	17	0.4
(1,3351)	1:13:A:VAL:HG12	1:90:B:PHE:H	17	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3322)	1:54:B:ALA:HB2	1:46:B:LEU:HD23	9	0.4
(1,3303)	1:9:A:LEU:HD12	1:15:B:THR:HB	17	0.4
(1,3264)	1:81:B:SER:H	1:82:B:ILE:HD11	15	0.4
(1,3263)	1:81:A:SER:H	1:82:A:ILE:HD11	15	0.4
(1,3213)	1:47:A:GLY:H	1:82:A:ILE:HD11	3	0.4
(1,3046)	1:41:B:GLU:H	1:29:B:LEU:HD11	9	0.4
(1,3045)	1:41:A:GLU:H	1:29:A:LEU:HD11	9	0.4
(1,3020)	1:68:B:ASN:HD22	1:66:B:ARG:HG3	7	0.4
(1,2958)	1:28:B:LYS:H	1:20:B:SER:HB3	10	0.4
(1,2872)	1:14:B:SER:H	1:10:B:ASP:HB3	6	0.4
(1,2872)	1:14:B:SER:H	1:10:B:ASP:HB3	20	0.4
(1,2871)	1:14:A:SER:H	1:10:A:ASP:HB3	6	0.4
(1,2871)	1:14:A:SER:H	1:10:A:ASP:HB3	20	0.4
(1,2820)	1:40:B:ARG:H	1:46:B:LEU:HD13	4	0.4
(1,2819)	1:40:A:ARG:H	1:46:A:LEU:HD13	4	0.4
(1,2814)	1:40:B:ARG:H	1:40:B:ARG:HB2	20	0.4
(1,2813)	1:40:A:ARG:H	1:40:A:ARG:HB2	20	0.4
(1,2785)	1:89:A:PHE:H	1:13:B:VAL:HG11	11	0.4
(1,2774)	1:59:B:MET:H	1:62:B:LEU:HD13	14	0.4
(1,2773)	1:59:A:MET:H	1:62:A:LEU:HD13	14	0.4
(1,2692)	1:72:B:PHE:H	1:28:B:LYS:HG3	2	0.4
(1,2649)	1:10:A:ASP:H	1:82:B:ILE:HD13	4	0.4
(1,2646)	1:10:B:ASP:H	1:9:B:LEU:HB3	9	0.4
(1,2646)	1:10:B:ASP:H	1:9:B:LEU:HB3	13	0.4
(1,2645)	1:10:A:ASP:H	1:9:A:LEU:HB3	9	0.4
(1,2645)	1:10:A:ASP:H	1:9:A:LEU:HB3	13	0.4
(1,2546)	1:93:B:PHE:H	1:96:B:LYS:HE3	14	0.4
(1,2546)	1:93:B:PHE:H	1:96:B:LYS:HE2	19	0.4
(1,2545)	1:93:A:PHE:H	1:96:A:LYS:HE3	14	0.4
(1,2209)	1:30:A:ASN:H	1:33:A:GLU:HB3	7	0.4
(1,2194)	1:12:B:MET:H	1:79:B:LEU:HD11	15	0.4
(1,2096)	1:26:B:LYS:H	1:26:B:LYS:HG3	17	0.4
(1,2095)	1:26:A:LYS:H	1:26:A:LYS:HG3	7	0.4
(1,2095)	1:26:A:LYS:H	1:26:A:LYS:HG3	17	0.4
(1,2084)	1:39:B:THR:HB	1:43:B:PRO:HD3	4	0.4
(1,2083)	1:39:A:THR:HB	1:43:A:PRO:HD3	4	0.4
(1,2076)	1:50:B:THR:HB	1:35:B:LYS:HE2	3	0.4
(1,2076)	1:50:B:THR:HB	1:35:B:LYS:HE2	4	0.4
(1,2076)	1:50:B:THR:HB	1:35:B:LYS:HE2	8	0.4
(1,2076)	1:50:B:THR:HB	1:35:B:LYS:HE2	9	0.4
(1,2075)	1:50:A:THR:HB	1:35:A:LYS:HE2	9	0.4
(1,2040)	1:43:B:PRO:HA	1:46:B:LEU:HD13	19	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2039)	1:43:A:PRO:HA	1:46:A:LEU:HD13	19	0.4
(1,2011)	1:94:A:PRO:HA	1:95:A:ASP:HB3	1	0.4
(1,1992)	1:60:B:SER:HB3	1:66:B:ARG:HD3	10	0.4
(1,1954)	1:44:B:SER:HB3	1:45:B:PHE:HB2	9	0.4
(1,1953)	1:44:A:SER:HB3	1:45:A:PHE:HB2	9	0.4
(1,1922)	1:86:B:SER:HA	1:13:A:VAL:HG22	4	0.4
(1,1780)	1:74:B:GLU:HG3	1:74:B:GLU:HA	4	0.4
(1,1779)	1:74:A:GLU:HG3	1:74:A:GLU:HA	4	0.4
(1,1726)	1:21:B:GLY:HA3	1:26:B:LYS:HA	10	0.4
(1,1522)	1:21:B:GLY:HA3	1:26:B:LYS:HG3	10	0.4
(1,1479)	1:42:A:LEU:HB2	1:45:A:PHE:HA	9	0.4
(1,1436)	1:99:B:ARG:HD3	1:98:B:PRO:HA	12	0.4
(1,1435)	1:99:A:ARG:HD3	1:98:A:PRO:HA	12	0.4
(1,1408)	1:39:B:THR:HG22	1:40:B:ARG:HD2	5	0.4
(1,1407)	1:39:A:THR:HG22	1:40:A:ARG:HD2	5	0.4
(1,1320)	1:92:B:GLY:H	1:96:B:LYS:HE3	7	0.4
(1,1319)	1:92:A:GLY:H	1:96:A:LYS:HE3	7	0.4
(1,1238)	1:18:B:LYS:HB3	1:16:B:PHE:HB2	6	0.4
(1,1238)	1:18:B:LYS:HB3	1:16:B:PHE:HB2	7	0.4
(1,1238)	1:18:B:LYS:HB3	1:16:B:PHE:HB2	12	0.4
(1,1237)	1:18:A:LYS:HB3	1:16:A:PHE:HB2	6	0.4
(1,1237)	1:18:A:LYS:HB3	1:16:A:PHE:HB2	10	0.4
(1,1237)	1:18:A:LYS:HB3	1:16:A:PHE:HB2	12	0.4
(1,1082)	1:33:B:GLU:HG3	1:29:B:LEU:HB2	17	0.4
(1,1081)	1:33:A:GLU:HG3	1:29:A:LEU:HB2	17	0.4
(1,1078)	1:52:B:GLU:HG3	1:53:B:ALA:HB1	12	0.4
(1,1078)	1:52:B:GLU:HG3	1:53:B:ALA:HB3	16	0.4
(1,1077)	1:52:A:GLU:HG3	1:53:A:ALA:HB2	7	0.4
(1,1077)	1:52:A:GLU:HG3	1:53:A:ALA:HB1	12	0.4
(1,1077)	1:52:A:GLU:HG3	1:53:A:ALA:HB2	14	0.4
(1,1042)	1:52:B:GLU:HG3	1:53:B:ALA:H	13	0.4
(1,1041)	1:52:A:GLU:HG3	1:53:A:ALA:H	13	0.4
(1,951)	1:79:A:LEU:HD13	1:12:A:MET:HB2	9	0.4
(1,920)	1:48:B:LYS:HB2	1:48:B:LYS:HE3	11	0.4
(1,919)	1:48:A:LYS:HB2	1:48:A:LYS:HE3	11	0.4
(1,891)	1:31:A:LYS:HB2	1:30:A:ASN:HA	12	0.4
(1,856)	1:26:B:LYS:HB3	1:21:B:GLY:HA2	3	0.4
(1,856)	1:26:B:LYS:HB3	1:21:B:GLY:HA2	13	0.4
(1,855)	1:26:A:LYS:HB3	1:21:A:GLY:HA2	13	0.4
(1,755)	1:31:A:LYS:HD3	1:56:A:GLN:HE21	1	0.4
(1,748)	1:36:B:GLU:HB2	1:37:B:LEU:HD13	18	0.4
(1,747)	1:36:A:GLU:HB2	1:37:A:LEU:HD13	18	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,508)	1:34:B:LEU:HD22	1:59:B:MET:HG2	11	0.4
(1,507)	1:34:A:LEU:HD22	1:59:A:MET:HG2	11	0.4
(1,474)	1:42:B:LEU:HD12	1:79:B:LEU:HA	2	0.4
(1,474)	1:42:B:LEU:HD12	1:79:B:LEU:HA	5	0.4
(1,473)	1:42:A:LEU:HD12	1:79:A:LEU:HA	2	0.4
(1,473)	1:42:A:LEU:HD12	1:79:A:LEU:HA	5	0.4
(1,454)	1:5:B:LEU:HD23	1:9:B:LEU:HD23	3	0.4
(1,453)	1:5:A:LEU:HD23	1:9:A:LEU:HD23	3	0.4
(1,408)	1:46:B:LEU:HD22	1:46:B:LEU:HB2	14	0.4
(1,408)	1:46:B:LEU:HD23	1:46:B:LEU:HB2	18	0.4
(1,407)	1:46:A:LEU:HD22	1:46:A:LEU:HB2	14	0.4
(1,402)	1:31:B:LYS:HG2	1:59:B:MET:HG3	13	0.4
(1,272)	1:39:B:THR:HG23	1:38:B:LEU:HD12	1	0.4
(1,271)	1:39:A:THR:HG23	1:38:A:LEU:HD12	1	0.4
(1,226)	1:71:B:ASP:H	1:70:B:VAL:HG22	6	0.4
(1,226)	1:71:B:ASP:H	1:70:B:VAL:HG22	9	0.4
(1,226)	1:71:B:ASP:H	1:70:B:VAL:HG21	10	0.4
(1,225)	1:71:A:ASP:H	1:70:A:VAL:HG22	6	0.4
(1,225)	1:71:A:ASP:H	1:70:A:VAL:HG22	9	0.4
(1,176)	1:70:B:VAL:HG13	1:71:B:ASP:HB3	10	0.4
(1,175)	1:70:A:VAL:HG13	1:71:A:ASP:HB3	10	0.4
(1,158)	1:39:B:THR:HG21	1:35:B:LYS:HB3	18	0.4
(1,157)	1:39:A:THR:HG23	1:35:A:LYS:HB3	11	0.4
(1,124)	1:2:B:ALA:HB3	1:5:B:LEU:HD13	18	0.4
(1,123)	1:2:A:ALA:HB3	1:5:A:LEU:HD13	18	0.4
(1,76)	1:53:B:ALA:HB1	1:51:B:ASP:HA	8	0.4
(1,48)	1:86:B:SER:H	1:82:B:ILE:HG21	6	0.4
(1,47)	1:86:A:SER:H	1:82:A:ILE:HG22	2	0.4
(1,47)	1:86:A:SER:H	1:82:A:ILE:HG22	14	0.4
(1,32)	1:82:B:ILE:HD13	1:45:B:PHE:HA	9	0.4
(1,31)	1:82:A:ILE:HD13	1:45:A:PHE:HA	9	0.4
(1,12)	1:5:B:LEU:HD22	1:42:A:LEU:HG	16	0.4
(1,11)	1:5:A:LEU:HD22	1:42:B:LEU:HG	16	0.4
(1,8)	1:79:B:LEU:HD13	1:9:A:LEU:HD22	20	0.4
(1,6)	1:7:B:LYS:HD2	1:44:A:SER:HA	6	0.4
(1,6)	1:7:B:LYS:HD2	1:44:A:SER:HA	11	0.4
(1,5)	1:7:A:LYS:HD2	1:44:B:SER:HA	4	0.4
(1,5)	1:7:A:LYS:HD2	1:44:B:SER:HA	11	0.4
(2,286)	1:65:B:ASN:HD21	1:68:B:ASN:HD21	5	0.39
(2,222)	1:5:B:LEU:H	1:41:A:GLU:HA	13	0.39
(2,221)	1:5:A:LEU:H	1:41:B:GLU:HA	13	0.39
(2,170)	1:70:B:VAL:H	1:30:B:ASN:HB2	2	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,170)	1:70:B:VAL:H	1:30:B:ASN:HB2	18	0.39
(2,169)	1:70:A:VAL:H	1:30:A:ASN:HB2	2	0.39
(2,169)	1:70:A:VAL:H	1:30:A:ASN:HB2	18	0.39
(2,44)	1:98:B:PRO:HB3	1:97:B:GLN:HB2	3	0.39
(2,43)	1:98:A:PRO:HB3	1:97:A:GLN:HB2	3	0.39
(1,4552)	1:56:B:GLN:HE21	1:60:B:SER:HA	12	0.39
(1,4518)	1:20:B:SER:H	1:26:B:LYS:HD2	8	0.39
(1,4517)	1:20:A:SER:H	1:26:A:LYS:HD2	8	0.39
(1,4508)	1:32:B:SER:H	1:33:B:GLU:HB3	19	0.39
(1,4501)	1:87:A:ASN:HD21	1:86:A:SER:HA	20	0.39
(1,4490)	1:17:B:HIS:H	1:13:B:VAL:HG22	20	0.39
(1,4489)	1:17:A:HIS:H	1:13:A:VAL:HG22	20	0.39
(1,4438)	1:38:B:LEU:H	1:39:B:THR:HG22	8	0.39
(1,4437)	1:38:A:LEU:H	1:39:A:THR:HG22	8	0.39
(1,4437)	1:38:A:LEU:H	1:39:A:THR:HG22	10	0.39
(1,4437)	1:38:A:LEU:H	1:39:A:THR:HG23	11	0.39
(1,4396)	1:72:B:PHE:H	1:77:B:VAL:H	16	0.39
(1,4395)	1:72:A:PHE:H	1:77:A:VAL:H	16	0.39
(1,4383)	1:76:A:SER:H	1:83:B:ALA:HB3	7	0.39
(1,4375)	1:95:A:ASP:H	1:96:A:LYS:HD3	8	0.39
(1,4372)	1:95:B:ASP:H	1:91:B:GLU:HG3	19	0.39
(1,4371)	1:95:A:ASP:H	1:91:A:GLU:HG3	19	0.39
(1,4370)	1:95:B:ASP:H	1:27:A:PHE:HB2	17	0.39
(1,4365)	1:9:A:LEU:H	1:79:B:LEU:HD11	13	0.39
(1,4358)	1:67:B:ASP:H	1:66:B:ARG:HB2	10	0.39
(1,4358)	1:67:B:ASP:H	1:66:B:ARG:HB2	13	0.39
(1,4358)	1:67:B:ASP:H	1:66:B:ARG:HB2	19	0.39
(1,4357)	1:67:A:ASP:H	1:66:A:ARG:HB2	10	0.39
(1,4357)	1:67:A:ASP:H	1:66:A:ARG:HB2	13	0.39
(1,4350)	1:16:B:PHE:H	1:79:B:LEU:HD13	14	0.39
(1,4349)	1:16:A:PHE:H	1:79:A:LEU:HD13	14	0.39
(1,4336)	1:6:B:GLU:H	1:5:B:LEU:HG	13	0.39
(1,4324)	1:42:B:LEU:H	1:37:B:LEU:HD23	19	0.39
(1,4323)	1:42:A:LEU:H	1:37:A:LEU:HD23	19	0.39
(1,4310)	1:22:B:LYS:H	1:17:B:HIS:HA	18	0.39
(1,4309)	1:22:A:LYS:H	1:17:A:HIS:HA	18	0.39
(1,4288)	1:45:B:PHE:H	1:82:B:ILE:HG22	4	0.39
(1,4287)	1:45:A:PHE:H	1:82:A:ILE:HG22	4	0.39
(1,4216)	1:71:B:ASP:H	1:73:B:GLN:HE21	10	0.39
(1,4215)	1:71:A:ASP:H	1:73:A:GLN:HE21	10	0.39
(1,4201)	1:39:A:THR:HB	1:36:A:GLU:HG2	3	0.39
(1,4201)	1:39:A:THR:HB	1:36:A:GLU:HG2	11	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4165)	1:76:A:SER:HA	1:83:B:ALA:HB3	6	0.39
(1,4165)	1:76:A:SER:HA	1:83:B:ALA:HB3	18	0.39
(1,4131)	1:20:A:SER:HB2	1:22:A:LYS:HG3	15	0.39
(1,4110)	1:2:B:ALA:HB2	1:6:B:GLU:HA	2	0.39
(1,4109)	1:2:A:ALA:HB2	1:6:A:GLU:HA	2	0.39
(1,4073)	1:40:A:ARG:HA	1:41:A:GLU:HB3	14	0.39
(1,4070)	1:17:B:HIS:HA	1:26:B:LYS:HG2	4	0.39
(1,4042)	1:99:B:ARG:HA	1:98:B:PRO:HB3	7	0.39
(1,4041)	1:99:A:ARG:HA	1:98:A:PRO:HB3	7	0.39
(1,4008)	1:69:B:GLU:HG2	1:28:B:LYS:HA	5	0.39
(1,4007)	1:69:A:GLU:HG2	1:28:A:LYS:HA	5	0.39
(1,4004)	1:61:B:ASN:HA	1:64:B:SER:H	9	0.39
(1,4003)	1:61:A:ASN:HA	1:64:A:SER:H	9	0.39
(1,3975)	1:42:A:LEU:HA	1:40:A:ARG:H	5	0.39
(1,3972)	1:2:B:ALA:HA	1:11:A:VAL:HG11	15	0.39
(1,3958)	1:98:B:PRO:HD2	1:99:B:ARG:HA	14	0.39
(1,3957)	1:98:A:PRO:HD2	1:99:A:ARG:HA	14	0.39
(1,3950)	1:21:B:GLY:HA3	1:22:B:LYS:HD3	4	0.39
(1,3949)	1:21:A:GLY:HA3	1:22:A:LYS:HD3	4	0.39
(1,3948)	1:21:B:GLY:HA3	1:22:B:LYS:HB3	12	0.39
(1,3948)	1:21:B:GLY:HA3	1:22:B:LYS:HB3	19	0.39
(1,3947)	1:21:A:GLY:HA3	1:22:A:LYS:HB3	12	0.39
(1,3947)	1:21:A:GLY:HA3	1:22:A:LYS:HB3	19	0.39
(1,3870)	1:51:B:ASP:HB3	1:49:B:ARG:HD2	6	0.39
(1,3848)	1:9:B:LEU:HB2	1:79:A:LEU:HD11	10	0.39
(1,3848)	1:9:B:LEU:HB2	1:79:A:LEU:HD13	12	0.39
(1,3847)	1:9:A:LEU:HB2	1:79:B:LEU:HD11	10	0.39
(1,3847)	1:9:A:LEU:HB2	1:79:B:LEU:HD13	12	0.39
(1,3847)	1:9:A:LEU:HB2	1:79:B:LEU:HD11	17	0.39
(1,3831)	1:9:A:LEU:HB2	1:12:A:MET:HB3	3	0.39
(1,3812)	1:18:B:LYS:HB3	1:16:B:PHE:HB2	8	0.39
(1,3811)	1:18:A:LYS:HB3	1:16:A:PHE:HB2	8	0.39
(1,3780)	1:57:B:LYS:HB3	1:61:B:ASN:HB3	6	0.39
(1,3780)	1:57:B:LYS:HB3	1:61:B:ASN:HB3	7	0.39
(1,3698)	1:56:B:GLN:HG3	1:57:B:LYS:HE2	10	0.39
(1,3686)	1:97:B:GLN:HG3	1:98:B:PRO:HD2	12	0.39
(1,3685)	1:97:A:GLN:HG3	1:98:A:PRO:HD2	12	0.39
(1,3632)	1:43:B:PRO:HB2	1:42:B:LEU:HB3	5	0.39
(1,3624)	1:43:B:PRO:HB3	1:47:B:GLY:HA3	7	0.39
(1,3624)	1:43:B:PRO:HB3	1:47:B:GLY:HA3	15	0.39
(1,3623)	1:43:A:PRO:HB3	1:47:A:GLY:HA3	15	0.39
(1,3566)	1:37:B:LEU:HG	1:19:B:TYR:HA	18	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3565)	1:37:A:LEU:HG	1:19:A:TYR:HA	15	0.39
(1,3565)	1:37:A:LEU:HG	1:19:A:TYR:HA	18	0.39
(1,3542)	1:37:B:LEU:HD12	1:17:B:HIS:HA	19	0.39
(1,3541)	1:37:A:LEU:HD12	1:17:A:HIS:HA	19	0.39
(1,3476)	1:46:B:LEU:HD23	1:49:B:ARG:HD3	9	0.39
(1,3476)	1:46:B:LEU:HD21	1:45:B:PHE:HB3	12	0.39
(1,3475)	1:46:A:LEU:HD23	1:49:A:ARG:HD3	9	0.39
(1,3475)	1:46:A:LEU:HD21	1:45:A:PHE:HB3	12	0.39
(1,3462)	1:29:B:LEU:HD13	1:69:B:GLU:HA	6	0.39
(1,3461)	1:29:A:LEU:HD13	1:69:A:GLU:HA	6	0.39
(1,3458)	1:26:B:LYS:HG3	1:28:B:LYS:H	10	0.39
(1,3458)	1:26:B:LYS:HG3	1:28:B:LYS:H	18	0.39
(1,3457)	1:26:A:LYS:HG3	1:28:A:LYS:H	10	0.39
(1,3433)	1:38:A:LEU:HD13	1:41:A:GLU:HB3	15	0.39
(1,3395)	1:11:A:VAL:HG21	1:10:A:ASP:HB3	13	0.39
(1,3391)	1:68:A:ASN:HD21	1:70:A:VAL:HG23	10	0.39
(1,3340)	1:2:B:ALA:HB3	1:37:A:LEU:HD23	17	0.39
(1,3321)	1:54:A:ALA:HB2	1:46:A:LEU:HD23	9	0.39
(1,3263)	1:81:A:SER:H	1:82:A:ILE:HD13	20	0.39
(1,3172)	1:30:B:ASN:HD22	1:22:B:LYS:HE3	13	0.39
(1,3046)	1:41:B:GLU:H	1:29:B:LEU:HD13	20	0.39
(1,3019)	1:68:A:ASN:HD22	1:66:A:ARG:HG3	7	0.39
(1,2872)	1:14:B:SER:H	1:10:B:ASP:HB3	14	0.39
(1,2786)	1:89:B:PHE:H	1:13:A:VAL:HG11	11	0.39
(1,2691)	1:72:A:PHE:H	1:28:A:LYS:HG3	2	0.39
(1,2646)	1:10:B:ASP:H	1:9:B:LEU:HB3	12	0.39
(1,2646)	1:10:B:ASP:H	1:9:B:LEU:HB3	14	0.39
(1,2646)	1:10:B:ASP:H	1:9:B:LEU:HB3	19	0.39
(1,2564)	1:27:B:PHE:H	1:28:B:LYS:HG2	5	0.39
(1,2563)	1:27:A:PHE:H	1:28:A:LYS:HG2	5	0.39
(1,2546)	1:93:B:PHE:H	1:96:B:LYS:HE3	9	0.39
(1,2510)	1:42:B:LEU:H	1:82:B:ILE:HD12	4	0.39
(1,2509)	1:42:A:LEU:H	1:82:A:ILE:HD12	4	0.39
(1,2508)	1:42:B:LEU:H	1:41:B:GLU:HB3	14	0.39
(1,2507)	1:42:A:LEU:H	1:41:A:GLU:HB3	14	0.39
(1,2416)	1:52:B:GLU:H	1:53:B:ALA:HB2	18	0.39
(1,2415)	1:52:A:GLU:H	1:53:A:ALA:HB2	18	0.39
(1,2324)	1:78:B:PHE:H	1:82:B:ILE:HD12	12	0.39
(1,2323)	1:78:A:PHE:H	1:82:A:ILE:HD12	12	0.39
(1,2316)	1:78:B:PHE:H	1:84:A:MET:HG2	5	0.39
(1,2315)	1:78:A:PHE:H	1:84:B:MET:HG2	5	0.39
(1,2248)	1:8:B:ALA:H	1:43:A:PRO:HD2	3	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2214)	1:30:B:ASN:H	1:34:B:LEU:HD11	13	0.39
(1,2213)	1:30:A:ASN:H	1:34:A:LEU:HD11	13	0.39
(1,2194)	1:12:B:MET:H	1:79:B:LEU:HD11	16	0.39
(1,2194)	1:12:B:MET:H	1:79:B:LEU:HD12	18	0.39
(1,2193)	1:12:A:MET:H	1:79:A:LEU:HD11	16	0.39
(1,2193)	1:12:A:MET:H	1:79:A:LEU:HD12	18	0.39
(1,2096)	1:26:B:LYS:H	1:26:B:LYS:HG3	3	0.39
(1,2096)	1:26:B:LYS:H	1:26:B:LYS:HG3	14	0.39
(1,2095)	1:26:A:LYS:H	1:26:A:LYS:HG3	14	0.39
(1,2084)	1:39:B:THR:HB	1:43:B:PRO:HD3	14	0.39
(1,2084)	1:39:B:THR:HB	1:43:B:PRO:HD3	16	0.39
(1,2083)	1:39:A:THR:HB	1:43:A:PRO:HD3	14	0.39
(1,2083)	1:39:A:THR:HB	1:43:A:PRO:HD3	16	0.39
(1,2076)	1:50:B:THR:HB	1:35:B:LYS:HE2	2	0.39
(1,2076)	1:50:B:THR:HB	1:35:B:LYS:HE2	20	0.39
(1,2075)	1:50:A:THR:HB	1:35:A:LYS:HE2	4	0.39
(1,2075)	1:50:A:THR:HB	1:35:A:LYS:HE2	20	0.39
(1,2012)	1:94:B:PRO:HA	1:95:B:ASP:HB3	1	0.39
(1,1934)	1:50:B:THR:HA	1:46:B:LEU:HB3	1	0.39
(1,1933)	1:50:A:THR:HA	1:46:A:LEU:HB3	1	0.39
(1,1725)	1:21:A:GLY:HA3	1:26:A:LYS:HA	10	0.39
(1,1596)	1:95:B:ASP:HA	1:96:B:LYS:HG3	16	0.39
(1,1595)	1:95:A:ASP:HA	1:96:A:LYS:HG3	16	0.39
(1,1550)	1:98:B:PRO:HD3	1:101:B:LYS:HG3	16	0.39
(1,1522)	1:21:B:GLY:HA3	1:26:B:LYS:HG3	8	0.39
(1,1522)	1:21:B:GLY:HA3	1:26:B:LYS:HG3	9	0.39
(1,1521)	1:21:A:GLY:HA3	1:26:A:LYS:HG3	8	0.39
(1,1521)	1:21:A:GLY:HA3	1:26:A:LYS:HG3	10	0.39
(1,1472)	1:42:B:LEU:HB3	1:38:B:LEU:H	6	0.39
(1,1471)	1:42:A:LEU:HB3	1:38:A:LEU:H	6	0.39
(1,1452)	1:29:B:LEU:HB2	1:37:B:LEU:HB3	12	0.39
(1,1452)	1:29:B:LEU:HB2	1:37:B:LEU:HB3	19	0.39
(1,1451)	1:29:A:LEU:HB2	1:37:A:LEU:HB3	12	0.39
(1,1451)	1:29:A:LEU:HB2	1:37:A:LEU:HB3	19	0.39
(1,1448)	1:29:B:LEU:HB2	1:33:B:GLU:HB3	18	0.39
(1,1447)	1:29:A:LEU:HB2	1:33:A:GLU:HB3	18	0.39
(1,1268)	1:19:B:TYR:HB3	1:29:B:LEU:HD13	11	0.39
(1,1267)	1:19:A:TYR:HB3	1:29:A:LEU:HD13	11	0.39
(1,1238)	1:18:B:LYS:HB3	1:16:B:PHE:HB2	4	0.39
(1,1237)	1:18:A:LYS:HB3	1:16:A:PHE:HB2	1	0.39
(1,1237)	1:18:A:LYS:HB3	1:16:A:PHE:HB2	4	0.39
(1,1237)	1:18:A:LYS:HB3	1:16:A:PHE:HB2	7	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1190)	1:28:B:LYS:HB2	1:26:B:LYS:HA	10	0.39
(1,1189)	1:28:A:LYS:HB2	1:26:A:LYS:HA	10	0.39
(1,1082)	1:33:B:GLU:HG3	1:29:B:LEU:HB2	2	0.39
(1,1081)	1:33:A:GLU:HG3	1:29:A:LEU:HB2	2	0.39
(1,1078)	1:52:B:GLU:HG3	1:53:B:ALA:HB2	7	0.39
(1,1078)	1:52:B:GLU:HG3	1:53:B:ALA:HB2	14	0.39
(1,1078)	1:52:B:GLU:HG3	1:53:B:ALA:HB3	19	0.39
(1,1053)	1:52:A:GLU:HG3	1:51:A:ASP:H	16	0.39
(1,952)	1:79:B:LEU:HD13	1:12:B:MET:HB2	9	0.39
(1,892)	1:31:B:LYS:HB2	1:30:B:ASN:HA	4	0.39
(1,892)	1:31:B:LYS:HB2	1:30:B:ASN:HA	6	0.39
(1,891)	1:31:A:LYS:HB2	1:30:A:ASN:HA	4	0.39
(1,891)	1:31:A:LYS:HB2	1:30:A:ASN:HA	6	0.39
(1,855)	1:26:A:LYS:HB3	1:21:A:GLY:HA2	3	0.39
(1,756)	1:31:B:LYS:HD3	1:56:B:GLN:HE21	1	0.39
(1,562)	1:9:B:LEU:HG	1:10:B:ASP:HB2	8	0.39
(1,561)	1:9:A:LEU:HG	1:10:A:ASP:HB2	8	0.39
(1,494)	1:34:B:LEU:H	1:34:B:LEU:HD22	13	0.39
(1,493)	1:34:A:LEU:H	1:34:A:LEU:HD22	13	0.39
(1,482)	1:79:B:LEU:HD21	1:12:B:MET:HB2	8	0.39
(1,481)	1:79:A:LEU:HD21	1:12:A:MET:HB2	8	0.39
(1,474)	1:42:B:LEU:HD13	1:79:B:LEU:HA	19	0.39
(1,473)	1:42:A:LEU:HD13	1:79:A:LEU:HA	19	0.39
(1,366)	1:96:B:LYS:HG2	1:91:B:GLU:H	8	0.39
(1,366)	1:96:B:LYS:HG2	1:91:B:GLU:H	15	0.39
(1,365)	1:96:A:LYS:HG2	1:91:A:GLU:H	8	0.39
(1,365)	1:96:A:LYS:HG2	1:91:A:GLU:H	15	0.39
(1,226)	1:71:B:ASP:H	1:70:B:VAL:HG21	20	0.39
(1,225)	1:71:A:ASP:H	1:70:A:VAL:HG21	10	0.39
(1,225)	1:71:A:ASP:H	1:70:A:VAL:HG21	20	0.39
(1,202)	1:34:B:LEU:H	1:34:B:LEU:HD11	6	0.39
(1,201)	1:34:A:LEU:H	1:34:A:LEU:HD11	6	0.39
(1,158)	1:39:B:THR:HG23	1:35:B:LYS:HB3	1	0.39
(1,157)	1:39:A:THR:HG23	1:35:A:LYS:HB3	1	0.39
(1,157)	1:39:A:THR:HG21	1:35:A:LYS:HB3	18	0.39
(1,84)	1:8:B:ALA:HB1	1:10:B:ASP:HB3	6	0.39
(1,84)	1:8:B:ALA:HB3	1:10:B:ASP:HB3	10	0.39
(1,83)	1:8:A:ALA:HB3	1:10:A:ASP:HB3	5	0.39
(1,83)	1:8:A:ALA:HB3	1:10:A:ASP:HB3	10	0.39
(1,76)	1:53:B:ALA:HB2	1:51:B:ASP:HA	1	0.39
(1,76)	1:53:B:ALA:HB2	1:51:B:ASP:HA	19	0.39
(1,76)	1:53:B:ALA:HB2	1:51:B:ASP:HA	20	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,75)	1:53:A:ALA:HB2	1:51:A:ASP:HA	1	0.39
(1,75)	1:53:A:ALA:HB2	1:51:A:ASP:HA	19	0.39
(1,75)	1:53:A:ALA:HB2	1:51:A:ASP:HA	20	0.39
(1,48)	1:86:B:SER:H	1:82:B:ILE:HG22	2	0.39
(1,48)	1:86:B:SER:H	1:82:B:ILE:HG21	4	0.39
(1,48)	1:86:B:SER:H	1:82:B:ILE:HG22	14	0.39
(1,47)	1:86:A:SER:H	1:82:A:ILE:HG21	4	0.39
(1,47)	1:86:A:SER:H	1:82:A:ILE:HG21	6	0.39
(1,32)	1:82:B:ILE:HD11	1:45:B:PHE:HA	3	0.39
(1,27)	1:83:A:ALA:H	1:82:A:ILE:HD12	3	0.39
(1,6)	1:7:B:LYS:HD2	1:44:A:SER:HA	5	0.39
(1,5)	1:7:A:LYS:HD2	1:44:B:SER:HA	5	0.39
(2,170)	1:70:B:VAL:H	1:30:B:ASN:HB2	20	0.38
(2,169)	1:70:A:VAL:H	1:30:A:ASN:HB2	20	0.38
(2,130)	1:21:B:GLY:HA2	1:18:B:LYS:HA	16	0.38
(2,50)	1:69:B:GLU:HB2	1:30:B:ASN:HB2	15	0.38
(2,49)	1:69:A:GLU:HB2	1:30:A:ASN:HB2	15	0.38
(1,4559)	1:73:A:GLN:HE21	1:78:A:PHE:HB2	15	0.38
(1,4538)	1:97:B:GLN:HE22	1:88:B:GLU:H	10	0.38
(1,4537)	1:97:A:GLN:HE22	1:88:A:GLU:H	10	0.38
(1,4516)	1:20:B:SER:H	1:18:B:LYS:HB3	10	0.38
(1,4515)	1:20:A:SER:H	1:18:A:LYS:HB3	10	0.38
(1,4510)	1:32:B:SER:H	1:34:B:LEU:HD21	2	0.38
(1,4510)	1:32:B:SER:H	1:34:B:LEU:HD22	13	0.38
(1,4509)	1:32:A:SER:H	1:34:A:LEU:HD21	2	0.38
(1,4509)	1:32:A:SER:H	1:34:A:LEU:HD22	13	0.38
(1,4508)	1:32:B:SER:H	1:33:B:GLU:HB3	15	0.38
(1,4507)	1:32:A:SER:H	1:33:A:GLU:HB3	15	0.38
(1,4502)	1:87:B:ASN:HD21	1:86:B:SER:HA	20	0.38
(1,4487)	1:17:A:HIS:H	1:26:A:LYS:HD2	4	0.38
(1,4438)	1:38:B:LEU:H	1:37:B:LEU:HG	10	0.38
(1,4396)	1:72:B:PHE:H	1:77:B:VAL:H	2	0.38
(1,4376)	1:95:B:ASP:H	1:96:B:LYS:HD3	8	0.38
(1,4366)	1:9:B:LEU:H	1:79:A:LEU:HD11	13	0.38
(1,4358)	1:67:B:ASP:H	1:66:B:ARG:HB2	7	0.38
(1,4357)	1:67:A:ASP:H	1:66:A:ARG:HB2	7	0.38
(1,4357)	1:67:A:ASP:H	1:66:A:ARG:HB2	19	0.38
(1,4348)	1:16:B:PHE:H	1:37:B:LEU:HD12	13	0.38
(1,4347)	1:16:A:PHE:H	1:37:A:LEU:HD12	13	0.38
(1,4202)	1:39:B:THR:HB	1:36:B:GLU:HG2	3	0.38
(1,4202)	1:39:B:THR:HB	1:36:B:GLU:HG2	11	0.38
(1,4178)	1:32:B:SER:HB2	1:31:B:LYS:HG3	1	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4164)	1:14:B:SER:HB3	1:18:B:LYS:HD3	1	0.38
(1,4164)	1:14:B:SER:HB3	1:18:B:LYS:HD3	8	0.38
(1,4163)	1:14:A:SER:HB3	1:18:A:LYS:HD3	8	0.38
(1,4157)	1:32:A:SER:HB3	1:23:A:GLU:HG3	14	0.38
(1,4110)	1:2:B:ALA:HB2	1:6:B:GLU:HA	17	0.38
(1,4109)	1:2:A:ALA:HB2	1:6:A:GLU:HA	17	0.38
(1,4074)	1:40:B:ARG:HA	1:41:B:GLU:HB3	14	0.38
(1,4069)	1:17:A:HIS:HA	1:26:A:LYS:HG2	4	0.38
(1,4042)	1:99:B:ARG:HA	1:98:B:PRO:HB3	4	0.38
(1,4041)	1:99:A:ARG:HA	1:98:A:PRO:HB3	4	0.38
(1,3980)	1:42:B:LEU:HA	1:44:B:SER:HB3	10	0.38
(1,3979)	1:42:A:LEU:HA	1:44:A:SER:HB3	10	0.38
(1,3976)	1:42:B:LEU:HA	1:40:B:ARG:H	5	0.38
(1,3958)	1:98:B:PRO:HD2	1:99:B:ARG:HA	9	0.38
(1,3950)	1:21:B:GLY:HA3	1:18:B:LYS:HB2	18	0.38
(1,3950)	1:21:B:GLY:HA3	1:22:B:LYS:HD3	20	0.38
(1,3949)	1:21:A:GLY:HA3	1:18:A:LYS:HB2	18	0.38
(1,3949)	1:21:A:GLY:HA3	1:22:A:LYS:HD3	20	0.38
(1,3948)	1:21:B:GLY:HA3	1:22:B:LYS:HB3	10	0.38
(1,3947)	1:21:A:GLY:HA3	1:22:A:LYS:HB3	10	0.38
(1,3916)	1:99:B:ARG:HD2	1:97:B:GLN:H	20	0.38
(1,3914)	1:40:B:ARG:HD3	1:37:B:LEU:HD13	20	0.38
(1,3913)	1:40:A:ARG:HD3	1:37:A:LEU:HD13	20	0.38
(1,3886)	1:7:B:LYS:HD2	1:7:B:LYS:HE3	11	0.38
(1,3885)	1:7:A:LYS:HD2	1:7:A:LYS:HE3	11	0.38
(1,3869)	1:51:A:ASP:HB3	1:49:A:ARG:HD2	6	0.38
(1,3859)	1:31:A:LYS:HE2	1:53:A:ALA:HA	6	0.38
(1,3848)	1:9:B:LEU:HB2	1:79:A:LEU:HD11	18	0.38
(1,3848)	1:9:B:LEU:HB2	1:79:A:LEU:HD11	19	0.38
(1,3847)	1:9:A:LEU:HB2	1:79:B:LEU:HD11	18	0.38
(1,3847)	1:9:A:LEU:HB2	1:79:B:LEU:HD11	19	0.38
(1,3832)	1:9:B:LEU:HB2	1:12:B:MET:HB3	3	0.38
(1,3812)	1:18:B:LYS:HB3	1:16:B:PHE:HB2	5	0.38
(1,3811)	1:18:A:LYS:HB3	1:16:A:PHE:HB2	5	0.38
(1,3779)	1:57:A:LYS:HB3	1:61:A:ASN:HB3	6	0.38
(1,3779)	1:57:A:LYS:HB3	1:61:A:ASN:HB3	7	0.38
(1,3697)	1:56:A:GLN:HG3	1:57:A:LYS:HE2	10	0.38
(1,3674)	1:59:B:MET:HG3	1:31:B:LYS:HB2	13	0.38
(1,3673)	1:59:A:MET:HG3	1:31:A:LYS:HB2	13	0.38
(1,3631)	1:43:A:PRO:HB2	1:42:A:LEU:HB3	5	0.38
(1,3624)	1:43:B:PRO:HB3	1:47:B:GLY:HA3	4	0.38
(1,3623)	1:43:A:PRO:HB3	1:47:A:GLY:HA3	4	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3566)	1:37:B:LEU:HG	1:19:B:TYR:HA	15	0.38
(1,3566)	1:37:B:LEU:HG	1:19:B:TYR:HA	16	0.38
(1,3566)	1:37:B:LEU:HG	1:19:B:TYR:HA	19	0.38
(1,3565)	1:37:A:LEU:HG	1:19:A:TYR:HA	16	0.38
(1,3565)	1:37:A:LEU:HG	1:19:A:TYR:HA	19	0.38
(1,3502)	1:34:B:LEU:HD23	1:58:B:LEU:HB3	5	0.38
(1,3501)	1:34:A:LEU:HD23	1:58:A:LEU:HB3	5	0.38
(1,3462)	1:29:B:LEU:HD11	1:69:B:GLU:HA	20	0.38
(1,3461)	1:29:A:LEU:HD11	1:69:A:GLU:HA	20	0.38
(1,3396)	1:11:B:VAL:HG22	1:10:B:ASP:HB3	2	0.38
(1,3396)	1:11:B:VAL:HG21	1:10:B:ASP:HB3	13	0.38
(1,3395)	1:11:A:VAL:HG22	1:10:A:ASP:HB3	3	0.38
(1,3392)	1:68:B:ASN:HD21	1:70:B:VAL:HG23	1	0.38
(1,3392)	1:68:B:ASN:HD21	1:70:B:VAL:HG22	3	0.38
(1,3322)	1:54:B:ALA:HB3	1:46:B:LEU:HD23	8	0.38
(1,3321)	1:54:A:ALA:HB3	1:46:A:LEU:HD23	8	0.38
(1,3264)	1:81:B:SER:H	1:82:B:ILE:HD13	20	0.38
(1,3172)	1:30:B:ASN:HD22	1:22:B:LYS:HE3	19	0.38
(1,3171)	1:30:A:ASN:HD22	1:22:A:LYS:HE3	13	0.38
(1,3082)	1:65:B:ASN:HD22	1:65:B:ASN:HA	13	0.38
(1,3082)	1:65:B:ASN:HD22	1:65:B:ASN:HA	14	0.38
(1,3081)	1:65:A:ASN:HD22	1:65:A:ASN:HA	13	0.38
(1,3081)	1:65:A:ASN:HD22	1:65:A:ASN:HA	14	0.38
(1,3059)	1:97:A:GLN:HE21	1:96:A:LYS:HB2	20	0.38
(1,3045)	1:41:A:GLU:H	1:29:A:LEU:HD13	20	0.38
(1,2912)	1:44:B:SER:H	1:42:B:LEU:HD21	9	0.38
(1,2911)	1:44:A:SER:H	1:42:A:LEU:HD21	9	0.38
(1,2872)	1:14:B:SER:H	1:10:B:ASP:HB3	18	0.38
(1,2650)	1:10:B:ASP:H	1:82:A:ILE:HD11	12	0.38
(1,2646)	1:10:B:ASP:H	1:9:B:LEU:HB3	6	0.38
(1,2645)	1:10:A:ASP:H	1:9:A:LEU:HB3	6	0.38
(1,2645)	1:10:A:ASP:H	1:9:A:LEU:HB3	12	0.38
(1,2645)	1:10:A:ASP:H	1:9:A:LEU:HB3	14	0.38
(1,2645)	1:10:A:ASP:H	1:9:A:LEU:HB3	19	0.38
(1,2632)	1:95:B:ASP:H	1:97:B:GLN:HE22	14	0.38
(1,2631)	1:95:A:ASP:H	1:97:A:GLN:HE22	14	0.38
(1,2545)	1:93:A:PHE:H	1:96:A:LYS:HE3	9	0.38
(1,2247)	1:8:A:ALA:H	1:43:B:PRO:HD2	3	0.38
(1,2216)	1:30:B:ASN:H	1:29:B:LEU:HD11	11	0.38
(1,2215)	1:30:A:ASN:H	1:29:A:LEU:HD11	11	0.38
(1,2214)	1:30:B:ASN:H	1:34:B:LEU:HD13	4	0.38
(1,2213)	1:30:A:ASN:H	1:34:A:LEU:HD13	4	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2213)	1:30:A:ASN:H	1:34:A:LEU:HD11	5	0.38
(1,2210)	1:30:B:ASN:H	1:33:B:GLU:HB3	8	0.38
(1,2194)	1:12:B:MET:H	1:79:B:LEU:HD11	1	0.38
(1,2194)	1:12:B:MET:H	1:79:B:LEU:HD12	10	0.38
(1,2193)	1:12:A:MET:H	1:79:A:LEU:HD11	1	0.38
(1,2193)	1:12:A:MET:H	1:79:A:LEU:HD12	10	0.38
(1,2096)	1:26:B:LYS:H	1:26:B:LYS:HG3	13	0.38
(1,2095)	1:26:A:LYS:H	1:26:A:LYS:HG3	3	0.38
(1,2095)	1:26:A:LYS:H	1:26:A:LYS:HG3	9	0.38
(1,2095)	1:26:A:LYS:H	1:26:A:LYS:HG3	13	0.38
(1,2085)	1:39:A:THR:HB	1:40:A:ARG:HD2	19	0.38
(1,2084)	1:39:B:THR:HB	1:43:B:PRO:HD3	8	0.38
(1,2083)	1:39:A:THR:HB	1:43:A:PRO:HD3	8	0.38
(1,2083)	1:39:A:THR:HB	1:43:A:PRO:HD3	9	0.38
(1,2075)	1:50:A:THR:HB	1:35:A:LYS:HE2	2	0.38
(1,1902)	1:20:B:SER:HB3	1:30:B:ASN:HD21	16	0.38
(1,1901)	1:20:A:SER:HB3	1:30:A:ASN:HD21	16	0.38
(1,1808)	1:57:B:LYS:HA	1:57:B:LYS:HG2	20	0.38
(1,1807)	1:57:A:LYS:HA	1:57:A:LYS:HG2	20	0.38
(1,1780)	1:74:B:GLU:HG3	1:74:B:GLU:HA	11	0.38
(1,1779)	1:74:A:GLU:HG3	1:74:A:GLU:HA	11	0.38
(1,1549)	1:98:A:PRO:HD3	1:101:A:LYS:HG3	16	0.38
(1,1522)	1:21:B:GLY:HA3	1:26:B:LYS:HG3	15	0.38
(1,1521)	1:21:A:GLY:HA3	1:26:A:LYS:HG3	9	0.38
(1,1480)	1:42:B:LEU:HB2	1:45:B:PHE:HA	5	0.38
(1,1480)	1:42:B:LEU:HB2	1:45:B:PHE:HA	13	0.38
(1,1479)	1:42:A:LEU:HB2	1:45:A:PHE:HA	5	0.38
(1,1479)	1:42:A:LEU:HB2	1:45:A:PHE:HA	10	0.38
(1,1479)	1:42:A:LEU:HB2	1:45:A:PHE:HA	13	0.38
(1,1451)	1:29:A:LEU:HB2	1:37:A:LEU:HB3	3	0.38
(1,1338)	1:71:B:ASP:HB2	1:75:B:TYR:HB3	3	0.38
(1,1337)	1:71:A:ASP:HB2	1:75:A:TYR:HB3	3	0.38
(1,1320)	1:92:B:GLY:H	1:96:B:LYS:HE3	15	0.38
(1,1319)	1:92:A:GLY:H	1:96:A:LYS:HE3	12	0.38
(1,1319)	1:92:A:GLY:H	1:96:A:LYS:HE3	15	0.38
(1,1314)	1:58:B:LEU:HB3	1:62:B:LEU:HD13	11	0.38
(1,1313)	1:58:A:LEU:HB3	1:62:A:LEU:HD13	11	0.38
(1,1312)	1:34:B:LEU:HB3	1:62:B:LEU:HD13	14	0.38
(1,1311)	1:34:A:LEU:HB3	1:62:A:LEU:HD13	14	0.38
(1,1266)	1:79:B:LEU:HB2	1:9:A:LEU:HD12	7	0.38
(1,1238)	1:18:B:LYS:HB3	1:16:B:PHE:HB2	1	0.38
(1,1238)	1:18:B:LYS:HB3	1:16:B:PHE:HB2	14	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1237)	1:18:A:LYS:HB3	1:16:A:PHE:HB2	14	0.38
(1,1119)	1:70:A:VAL:HG13	1:74:A:GLU:HG3	14	0.38
(1,1082)	1:33:B:GLU:HG3	1:29:B:LEU:HB2	8	0.38
(1,1082)	1:33:B:GLU:HG3	1:29:B:LEU:HB2	14	0.38
(1,1081)	1:33:A:GLU:HG3	1:29:A:LEU:HB2	8	0.38
(1,1081)	1:33:A:GLU:HG3	1:29:A:LEU:HB2	12	0.38
(1,1081)	1:33:A:GLU:HG3	1:29:A:LEU:HB2	14	0.38
(1,1077)	1:52:A:GLU:HG3	1:53:A:ALA:HB3	19	0.38
(1,1069)	1:88:A:GLU:HG3	1:96:A:LYS:HE2	8	0.38
(1,1054)	1:52:B:GLU:HG3	1:51:B:ASP:H	16	0.38
(1,1042)	1:52:B:GLU:HG3	1:53:B:ALA:H	5	0.38
(1,1041)	1:52:A:GLU:HG3	1:53:A:ALA:H	5	0.38
(1,802)	1:41:B:GLU:HB2	1:5:A:LEU:HD22	16	0.38
(1,801)	1:41:A:GLU:HB2	1:5:B:LEU:HD22	16	0.38
(1,748)	1:36:B:GLU:HB2	1:37:B:LEU:HD12	19	0.38
(1,747)	1:36:A:GLU:HB2	1:37:A:LEU:HD12	19	0.38
(1,742)	1:36:B:GLU:HB2	1:39:B:THR:HG22	16	0.38
(1,741)	1:36:A:GLU:HB2	1:39:A:THR:HG22	16	0.38
(1,728)	1:26:B:LYS:HD3	1:22:B:LYS:HA	17	0.38
(1,727)	1:26:A:LYS:HD3	1:22:A:LYS:HA	17	0.38
(1,710)	1:22:B:LYS:HD3	1:37:B:LEU:HB2	3	0.38
(1,710)	1:22:B:LYS:HD3	1:37:B:LEU:HB2	17	0.38
(1,709)	1:22:A:LYS:HD3	1:37:A:LEU:HB2	3	0.38
(1,709)	1:22:A:LYS:HD3	1:37:A:LEU:HB2	17	0.38
(1,502)	1:42:B:LEU:HD11	1:42:B:LEU:HA	6	0.38
(1,501)	1:42:A:LEU:HD11	1:42:A:LEU:HA	6	0.38
(1,475)	1:28:A:LYS:HG2	1:25:A:ASP:HB2	14	0.38
(1,454)	1:5:B:LEU:HD22	1:9:B:LEU:HD21	12	0.38
(1,453)	1:5:A:LEU:HD22	1:9:A:LEU:HD21	12	0.38
(1,407)	1:46:A:LEU:HD21	1:46:A:LEU:HB2	12	0.38
(1,392)	1:46:B:LEU:HD22	1:46:B:LEU:H	20	0.38
(1,271)	1:39:A:THR:HG21	1:38:A:LEU:HD12	18	0.38
(1,231)	1:13:A:VAL:HG21	1:84:B:MET:HA	14	0.38
(1,226)	1:71:B:ASP:H	1:70:B:VAL:HG21	1	0.38
(1,226)	1:71:B:ASP:H	1:70:B:VAL:HG23	7	0.38
(1,226)	1:71:B:ASP:H	1:70:B:VAL:HG23	17	0.38
(1,226)	1:71:B:ASP:H	1:70:B:VAL:HG22	18	0.38
(1,226)	1:71:B:ASP:H	1:70:B:VAL:HG21	19	0.38
(1,225)	1:71:A:ASP:H	1:70:A:VAL:HG21	1	0.38
(1,225)	1:71:A:ASP:H	1:70:A:VAL:HG23	7	0.38
(1,225)	1:71:A:ASP:H	1:70:A:VAL:HG22	18	0.38
(1,225)	1:71:A:ASP:H	1:70:A:VAL:HG21	19	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,158)	1:39:B:THR:HG22	1:35:B:LYS:HB3	10	0.38
(1,157)	1:39:A:THR:HG22	1:35:A:LYS:HB3	10	0.38
(1,84)	1:8:B:ALA:HB3	1:10:B:ASP:HB3	5	0.38
(1,83)	1:8:A:ALA:HB1	1:10:A:ASP:HB3	6	0.38
(1,50)	1:82:B:ILE:HG22	1:86:B:SER:HB3	5	0.38
(1,50)	1:82:B:ILE:HG21	1:86:B:SER:HB2	20	0.38
(1,49)	1:82:A:ILE:HG22	1:86:A:SER:HB3	5	0.38
(1,49)	1:82:A:ILE:HG21	1:86:A:SER:HB2	20	0.38
(1,48)	1:86:B:SER:H	1:82:B:ILE:HG21	16	0.38
(1,47)	1:86:A:SER:H	1:82:A:ILE:HG21	16	0.38
(1,31)	1:82:A:ILE:HD11	1:45:A:PHE:HA	3	0.38
(1,28)	1:83:B:ALA:H	1:82:B:ILE:HD12	3	0.38
(1,28)	1:83:B:ALA:H	1:82:B:ILE:HD13	4	0.38
(1,28)	1:83:B:ALA:H	1:82:B:ILE:HD12	5	0.38
(1,28)	1:83:B:ALA:H	1:82:B:ILE:HD11	11	0.38
(1,27)	1:83:A:ALA:H	1:82:A:ILE:HD12	5	0.38
(1,27)	1:83:A:ALA:H	1:82:A:ILE:HD11	11	0.38
(1,27)	1:83:A:ALA:H	1:82:A:ILE:HD11	12	0.38
(1,7)	1:79:A:LEU:HD13	1:9:B:LEU:HD22	20	0.38
(1,6)	1:7:B:LYS:HD2	1:44:A:SER:HA	19	0.38
(2,196)	1:22:B:LYS:H	1:19:B:TYR:HB2	11	0.37
(2,195)	1:22:A:LYS:H	1:19:A:TYR:HB2	11	0.37
(2,129)	1:21:A:GLY:HA2	1:18:A:LYS:HA	16	0.37
(2,16)	1:28:B:LYS:HG2	1:20:B:SER:HB3	7	0.37
(2,15)	1:28:A:LYS:HG2	1:20:A:SER:HB3	7	0.37
(1,4598)	1:62:B:LEU:H	1:70:B:VAL:HG23	7	0.37
(1,4597)	1:62:A:LEU:H	1:70:A:VAL:HG23	7	0.37
(1,4560)	1:73:B:GLN:HE21	1:78:B:PHE:HB2	15	0.37
(1,4518)	1:20:B:SER:H	1:26:B:LYS:HD2	14	0.37
(1,4518)	1:20:B:SER:H	1:26:B:LYS:HD2	17	0.37
(1,4517)	1:20:A:SER:H	1:26:A:LYS:HD2	14	0.37
(1,4517)	1:20:A:SER:H	1:26:A:LYS:HD2	17	0.37
(1,4502)	1:87:B:ASN:HD21	1:89:B:PHE:HA	13	0.37
(1,4488)	1:17:B:HIS:H	1:26:B:LYS:HD2	4	0.37
(1,4434)	1:38:B:LEU:H	1:55:B:PHE:HB3	19	0.37
(1,4433)	1:38:A:LEU:H	1:55:A:PHE:HB3	19	0.37
(1,4396)	1:72:B:PHE:H	1:77:B:VAL:H	6	0.37
(1,4395)	1:72:A:PHE:H	1:77:A:VAL:H	2	0.37
(1,4390)	1:76:B:SER:H	1:79:B:LEU:HD13	11	0.37
(1,4389)	1:76:A:SER:H	1:79:A:LEU:HD13	11	0.37
(1,4366)	1:9:B:LEU:H	1:79:A:LEU:HD12	7	0.37
(1,4366)	1:9:B:LEU:H	1:79:A:LEU:HD13	8	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4366)	1:9:B:LEU:H	1:79:A:LEU:HD11	18	0.37
(1,4365)	1:9:A:LEU:H	1:79:B:LEU:HD12	7	0.37
(1,4365)	1:9:A:LEU:H	1:79:B:LEU:HD13	8	0.37
(1,4348)	1:16:B:PHE:H	1:37:B:LEU:HD12	3	0.37
(1,4346)	1:16:B:PHE:H	1:2:A:ALA:HB1	2	0.37
(1,4345)	1:16:A:PHE:H	1:2:B:ALA:HB1	2	0.37
(1,4252)	1:77:B:VAL:H	1:75:B:TYR:HB3	7	0.37
(1,4251)	1:77:A:VAL:H	1:75:A:TYR:HB3	7	0.37
(1,4202)	1:39:B:THR:HB	1:36:B:GLU:HG2	20	0.37
(1,4201)	1:39:A:THR:HB	1:36:A:GLU:HG2	20	0.37
(1,4177)	1:32:A:SER:HB2	1:31:A:LYS:HG3	1	0.37
(1,4158)	1:32:B:SER:HB3	1:23:B:GLU:HG3	14	0.37
(1,4152)	1:55:B:PHE:HA	1:58:B:LEU:HD22	1	0.37
(1,4152)	1:55:B:PHE:HA	1:58:B:LEU:HD22	13	0.37
(1,4151)	1:55:A:PHE:HA	1:58:A:LEU:HD22	1	0.37
(1,4151)	1:55:A:PHE:HA	1:58:A:LEU:HD22	13	0.37
(1,4118)	1:64:B:SER:HA	1:60:B:SER:HB2	18	0.37
(1,4117)	1:64:A:SER:HA	1:60:A:SER:HB2	18	0.37
(1,4110)	1:2:B:ALA:HB1	1:6:B:GLU:HA	8	0.37
(1,4109)	1:2:A:ALA:HB1	1:6:A:GLU:HA	8	0.37
(1,4073)	1:41:A:GLU:HG3	1:40:A:ARG:HA	7	0.37
(1,3980)	1:42:B:LEU:HA	1:44:B:SER:HB3	13	0.37
(1,3979)	1:42:A:LEU:HA	1:44:A:SER:HB3	13	0.37
(1,3976)	1:42:B:LEU:HA	1:40:B:ARG:H	9	0.37
(1,3976)	1:42:B:LEU:HA	1:40:B:ARG:H	18	0.37
(1,3975)	1:42:A:LEU:HA	1:40:A:ARG:H	9	0.37
(1,3975)	1:42:A:LEU:HA	1:40:A:ARG:H	18	0.37
(1,3957)	1:98:A:PRO:HD2	1:99:A:ARG:HA	9	0.37
(1,3944)	1:42:B:LEU:HB3	1:79:B:LEU:HD23	15	0.37
(1,3943)	1:42:A:LEU:HB3	1:79:A:LEU:HD23	15	0.37
(1,3915)	1:99:A:ARG:HD2	1:97:A:GLN:H	20	0.37
(1,3886)	1:7:B:LYS:HD2	1:7:B:LYS:HE3	15	0.37
(1,3885)	1:7:A:LYS:HD2	1:7:A:LYS:HE3	15	0.37
(1,3848)	1:9:B:LEU:HB2	1:79:A:LEU:HD12	4	0.37
(1,3832)	1:9:B:LEU:HB2	1:12:B:MET:HB2	19	0.37
(1,3831)	1:9:A:LEU:HB2	1:12:A:MET:HB2	19	0.37
(1,3788)	1:55:B:PHE:HB2	1:35:B:LYS:HB2	5	0.37
(1,3788)	1:55:B:PHE:HB2	1:35:B:LYS:HB2	7	0.37
(1,3787)	1:55:A:PHE:HB2	1:35:A:LYS:HB2	5	0.37
(1,3787)	1:55:A:PHE:HB2	1:35:A:LYS:HB2	7	0.37
(1,3770)	1:16:B:PHE:HB2	1:87:A:ASN:HB2	11	0.37
(1,3692)	1:70:B:VAL:HB	1:71:B:ASP:HB3	4	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3692)	1:70:B:VAL:HB	1:71:B:ASP:HB3	8	0.37
(1,3691)	1:70:A:VAL:HB	1:71:A:ASP:HB3	4	0.37
(1,3691)	1:70:A:VAL:HB	1:71:A:ASP:HB3	8	0.37
(1,3632)	1:43:B:PRO:HB2	1:42:B:LEU:HB3	7	0.37
(1,3631)	1:43:A:PRO:HB2	1:42:A:LEU:HB3	7	0.37
(1,3624)	1:43:B:PRO:HB3	1:47:B:GLY:HA3	17	0.37
(1,3546)	1:29:B:LEU:HD21	1:22:B:LYS:HE3	16	0.37
(1,3540)	1:29:B:LEU:HD22	1:22:B:LYS:H	3	0.37
(1,3539)	1:29:A:LEU:HD22	1:22:A:LYS:H	3	0.37
(1,3502)	1:34:B:LEU:HD21	1:58:B:LEU:HB3	10	0.37
(1,3502)	1:34:B:LEU:HD21	1:58:B:LEU:HB3	18	0.37
(1,3501)	1:34:A:LEU:HD21	1:58:A:LEU:HB3	10	0.37
(1,3501)	1:34:A:LEU:HD21	1:58:A:LEU:HB3	18	0.37
(1,3492)	1:81:B:SER:H	1:79:B:LEU:HD21	5	0.37
(1,3491)	1:81:A:SER:H	1:79:A:LEU:HD21	5	0.37
(1,3476)	1:46:B:LEU:HD22	1:45:B:PHE:HB3	14	0.37
(1,3475)	1:46:A:LEU:HD22	1:45:A:PHE:HB3	14	0.37
(1,3458)	1:26:B:LYS:HG3	1:28:B:LYS:H	16	0.37
(1,3457)	1:26:A:LYS:HG3	1:28:A:LYS:H	16	0.37
(1,3396)	1:11:B:VAL:HG22	1:10:B:ASP:HB3	3	0.37
(1,3394)	1:77:B:VAL:HG21	1:74:B:GLU:HA	15	0.37
(1,3393)	1:77:A:VAL:HG21	1:74:A:GLU:HA	15	0.37
(1,3391)	1:68:A:ASN:HD21	1:70:A:VAL:HG23	1	0.37
(1,3391)	1:68:A:ASN:HD21	1:70:A:VAL:HG22	3	0.37
(1,3376)	1:50:B:THR:HG23	1:48:B:LYS:HB2	5	0.37
(1,3375)	1:50:A:THR:HG23	1:48:A:LYS:HB2	5	0.37
(1,3308)	1:31:B:LYS:HB3	1:31:B:LYS:HA	8	0.37
(1,3307)	1:31:A:LYS:HB3	1:31:A:LYS:HA	8	0.37
(1,3264)	1:81:B:SER:H	1:82:B:ILE:HD12	7	0.37
(1,3264)	1:81:B:SER:H	1:82:B:ILE:HD11	9	0.37
(1,3263)	1:81:A:SER:H	1:82:A:ILE:HD11	9	0.37
(1,3171)	1:30:A:ASN:HD22	1:22:A:LYS:HE3	19	0.37
(1,3104)	1:65:B:ASN:HD21	1:69:B:GLU:HG3	8	0.37
(1,3103)	1:65:A:ASN:HD21	1:69:A:GLU:HG3	8	0.37
(1,3082)	1:65:B:ASN:HD22	1:65:B:ASN:HA	10	0.37
(1,3082)	1:65:B:ASN:HD22	1:65:B:ASN:HA	18	0.37
(1,3081)	1:65:A:ASN:HD22	1:65:A:ASN:HA	10	0.37
(1,3081)	1:65:A:ASN:HD22	1:65:A:ASN:HA	18	0.37
(1,3060)	1:97:B:GLN:HE21	1:96:B:LYS:HB2	20	0.37
(1,2872)	1:14:B:SER:H	1:10:B:ASP:HB3	7	0.37
(1,2871)	1:14:A:SER:H	1:10:A:ASP:HB3	7	0.37
(1,2871)	1:14:A:SER:H	1:10:A:ASP:HB3	18	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2752)	1:34:B:LEU:H	1:29:B:LEU:HD13	5	0.37
(1,2751)	1:34:A:LEU:H	1:29:A:LEU:HD13	5	0.37
(1,2680)	1:7:B:LYS:H	1:7:B:LYS:HG3	18	0.37
(1,2679)	1:7:A:LYS:H	1:7:A:LYS:HG3	18	0.37
(1,2649)	1:10:A:ASP:H	1:82:B:ILE:HD11	12	0.37
(1,2546)	1:93:B:PHE:H	1:96:B:LYS:HE3	1	0.37
(1,2546)	1:93:B:PHE:H	1:96:B:LYS:HE3	7	0.37
(1,2545)	1:93:A:PHE:H	1:96:A:LYS:HE3	1	0.37
(1,2545)	1:93:A:PHE:H	1:96:A:LYS:HE3	7	0.37
(1,2490)	1:96:B:LYS:H	1:96:B:LYS:HB3	20	0.37
(1,2489)	1:96:A:LYS:H	1:96:A:LYS:HB3	20	0.37
(1,2444)	1:97:B:GLN:H	1:97:B:GLN:HB2	11	0.37
(1,2443)	1:97:A:GLN:H	1:97:A:GLN:HB2	11	0.37
(1,2214)	1:30:B:ASN:H	1:34:B:LEU:HD11	5	0.37
(1,2209)	1:30:A:ASN:H	1:33:A:GLU:HB3	8	0.37
(1,2096)	1:26:B:LYS:H	1:26:B:LYS:HG3	9	0.37
(1,2086)	1:39:B:THR:HB	1:40:B:ARG:HD2	19	0.37
(1,2084)	1:39:B:THR:HB	1:43:B:PRO:HD3	9	0.37
(1,2084)	1:39:B:THR:HB	1:43:B:PRO:HD3	11	0.37
(1,2084)	1:39:B:THR:HB	1:43:B:PRO:HD3	20	0.37
(1,2083)	1:39:A:THR:HB	1:43:A:PRO:HD3	11	0.37
(1,2083)	1:39:A:THR:HB	1:43:A:PRO:HD3	18	0.37
(1,2083)	1:39:A:THR:HB	1:43:A:PRO:HD3	20	0.37
(1,1953)	1:44:A:SER:HB3	1:45:A:PHE:HB2	8	0.37
(1,1884)	1:6:B:GLU:HA	1:79:A:LEU:HD11	14	0.37
(1,1883)	1:6:A:GLU:HA	1:79:B:LEU:HD11	14	0.37
(1,1868)	1:73:B:GLN:HA	1:76:B:SER:HB3	3	0.37
(1,1867)	1:73:A:GLN:HA	1:76:A:SER:HB3	3	0.37
(1,1822)	1:7:B:LYS:HA	1:7:B:LYS:HD3	6	0.37
(1,1821)	1:7:A:LYS:HA	1:7:A:LYS:HD3	6	0.37
(1,1725)	1:21:A:GLY:HA3	1:26:A:LYS:HA	9	0.37
(1,1610)	1:25:B:ASP:HB2	1:28:B:LYS:HA	5	0.37
(1,1609)	1:25:A:ASP:HB2	1:28:A:LYS:HA	5	0.37
(1,1521)	1:21:A:GLY:HA3	1:26:A:LYS:HG3	15	0.37
(1,1486)	1:42:B:LEU:HB3	1:41:B:GLU:HB3	2	0.37
(1,1485)	1:42:A:LEU:HB3	1:41:A:GLU:HB3	2	0.37
(1,1480)	1:42:B:LEU:HB2	1:45:B:PHE:HA	10	0.37
(1,1452)	1:29:B:LEU:HB2	1:37:B:LEU:HB3	3	0.37
(1,1320)	1:92:B:GLY:H	1:96:B:LYS:HE3	12	0.37
(1,1265)	1:79:A:LEU:HB2	1:9:B:LEU:HD12	7	0.37
(1,1204)	1:87:B:ASN:HB3	1:73:A:GLN:HG3	8	0.37
(1,1203)	1:87:A:ASN:HB3	1:73:B:GLN:HG3	8	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1120)	1:70:B:VAL:HG13	1:74:B:GLU:HG3	14	0.37
(1,1090)	1:91:B:GLU:HG3	1:91:B:GLU:HA	18	0.37
(1,1089)	1:91:A:GLU:HG3	1:91:A:GLU:HA	18	0.37
(1,1082)	1:33:B:GLU:HG3	1:29:B:LEU:HB2	12	0.37
(1,1070)	1:88:B:GLU:HG3	1:96:B:LYS:HE2	8	0.37
(1,1042)	1:52:B:GLU:HG3	1:53:B:ALA:H	2	0.37
(1,1042)	1:52:B:GLU:HG3	1:53:B:ALA:H	18	0.37
(1,1041)	1:52:A:GLU:HG3	1:53:A:ALA:H	2	0.37
(1,1041)	1:52:A:GLU:HG3	1:53:A:ALA:H	18	0.37
(1,950)	1:12:B:MET:HB2	1:9:A:LEU:HD12	3	0.37
(1,949)	1:12:A:MET:HB2	1:9:B:LEU:HD12	3	0.37
(1,944)	1:59:B:MET:HG3	1:31:B:LYS:HE3	5	0.37
(1,943)	1:59:A:MET:HG3	1:31:A:LYS:HE3	5	0.37
(1,910)	1:94:B:PRO:HB3	1:96:B:LYS:HG3	17	0.37
(1,909)	1:94:A:PRO:HB3	1:96:A:LYS:HG3	17	0.37
(1,892)	1:31:B:LYS:HB2	1:30:B:ASN:HA	2	0.37
(1,891)	1:31:A:LYS:HB2	1:30:A:ASN:HA	2	0.37
(1,778)	1:6:B:GLU:HB3	1:7:B:LYS:HE3	14	0.37
(1,777)	1:6:A:GLU:HB3	1:7:A:LYS:HE3	14	0.37
(1,728)	1:26:B:LYS:HD3	1:22:B:LYS:HA	11	0.37
(1,727)	1:26:A:LYS:HD3	1:22:A:LYS:HA	11	0.37
(1,635)	1:43:A:PRO:HG2	1:45:A:PHE:H	7	0.37
(1,622)	1:29:B:LEU:HD21	1:70:B:VAL:HG11	13	0.37
(1,621)	1:29:A:LEU:HD21	1:70:A:VAL:HG11	13	0.37
(1,580)	1:29:B:LEU:HD21	1:70:B:VAL:H	14	0.37
(1,579)	1:29:A:LEU:HD21	1:70:A:VAL:H	14	0.37
(1,508)	1:34:B:LEU:HD21	1:59:B:MET:HG2	12	0.37
(1,507)	1:34:A:LEU:HD21	1:59:A:MET:HG2	12	0.37
(1,494)	1:34:B:LEU:H	1:34:B:LEU:HD22	10	0.37
(1,494)	1:34:B:LEU:H	1:34:B:LEU:HD22	19	0.37
(1,493)	1:34:A:LEU:H	1:34:A:LEU:HD22	10	0.37
(1,493)	1:34:A:LEU:H	1:34:A:LEU:HD22	19	0.37
(1,476)	1:28:B:LYS:HG2	1:25:B:ASP:HB2	14	0.37
(1,408)	1:46:B:LEU:HD21	1:46:B:LEU:HB2	12	0.37
(1,391)	1:46:A:LEU:HD22	1:46:A:LEU:H	20	0.37
(1,314)	1:62:B:LEU:HD22	1:58:B:LEU:HD11	5	0.37
(1,313)	1:62:A:LEU:HD22	1:58:A:LEU:HD11	5	0.37
(1,272)	1:39:B:THR:HG21	1:38:B:LEU:HD12	18	0.37
(1,232)	1:13:B:VAL:HG21	1:84:A:MET:HA	14	0.37
(1,225)	1:71:A:ASP:H	1:70:A:VAL:HG23	17	0.37
(1,176)	1:70:B:VAL:HG12	1:71:B:ASP:HB3	6	0.37
(1,176)	1:70:B:VAL:HG11	1:71:B:ASP:HB3	12	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,175)	1:70:A:VAL:HG12	1:71:A:ASP:HB3	6	0.37
(1,175)	1:70:A:VAL:HG11	1:71:A:ASP:HB3	12	0.37
(1,114)	1:2:B:ALA:HB3	1:6:B:GLU:HA	9	0.37
(1,113)	1:2:A:ALA:HB3	1:6:A:GLU:HA	9	0.37
(1,84)	1:8:B:ALA:HB1	1:10:B:ASP:HB3	4	0.37
(1,76)	1:53:B:ALA:HB1	1:51:B:ASP:HA	3	0.37
(1,32)	1:82:B:ILE:HD11	1:45:B:PHE:HA	8	0.37
(1,31)	1:82:A:ILE:HD11	1:45:A:PHE:HA	8	0.37
(1,28)	1:83:B:ALA:H	1:82:B:ILE:HD11	12	0.37
(1,28)	1:83:B:ALA:H	1:82:B:ILE:HD13	16	0.37
(1,28)	1:83:B:ALA:H	1:82:B:ILE:HD13	17	0.37
(1,27)	1:83:A:ALA:H	1:82:A:ILE:HD13	4	0.37
(1,27)	1:83:A:ALA:H	1:82:A:ILE:HD13	16	0.37
(1,6)	1:7:B:LYS:HD2	1:44:A:SER:HA	15	0.37
(1,5)	1:7:A:LYS:HD2	1:44:B:SER:HA	15	0.37
(1,5)	1:7:A:LYS:HD2	1:44:B:SER:HA	19	0.37
(2,286)	1:65:B:ASN:HD21	1:68:B:ASN:HD21	19	0.36
(2,285)	1:65:A:ASN:HD21	1:68:A:ASN:HD21	19	0.36
(2,150)	1:14:B:SER:HA	1:16:B:PHE:HB3	14	0.36
(2,149)	1:14:A:SER:HA	1:16:A:PHE:HB3	14	0.36
(1,4618)	1:97:B:GLN:HE22	1:96:B:LYS:HB2	8	0.36
(1,4618)	1:97:B:GLN:HE22	1:96:B:LYS:HB2	12	0.36
(1,4617)	1:97:A:GLN:HE22	1:96:A:LYS:HB2	8	0.36
(1,4617)	1:97:A:GLN:HE22	1:96:A:LYS:HB2	12	0.36
(1,4616)	1:56:B:GLN:HE22	1:60:B:SER:HA	1	0.36
(1,4615)	1:56:A:GLN:HE22	1:60:A:SER:HA	1	0.36
(1,4598)	1:62:B:LEU:H	1:70:B:VAL:HG21	1	0.36
(1,4598)	1:62:B:LEU:H	1:70:B:VAL:HG21	20	0.36
(1,4597)	1:62:A:LEU:H	1:70:A:VAL:HG21	1	0.36
(1,4597)	1:62:A:LEU:H	1:70:A:VAL:HG21	20	0.36
(1,4518)	1:20:B:SER:H	1:26:B:LYS:HD2	10	0.36
(1,4518)	1:20:B:SER:H	1:26:B:LYS:HD2	16	0.36
(1,4517)	1:20:A:SER:H	1:26:A:LYS:HD2	10	0.36
(1,4517)	1:20:A:SER:H	1:26:A:LYS:HD2	16	0.36
(1,4516)	1:20:B:SER:H	1:18:B:LYS:HB3	18	0.36
(1,4515)	1:20:A:SER:H	1:18:A:LYS:HB3	18	0.36
(1,4501)	1:87:A:ASN:HD21	1:89:A:PHE:HA	13	0.36
(1,4475)	1:86:A:SER:H	1:13:B:VAL:HG22	18	0.36
(1,4404)	1:15:B:THR:H	1:12:B:MET:HB2	11	0.36
(1,4403)	1:15:A:THR:H	1:12:A:MET:HB2	11	0.36
(1,4395)	1:72:A:PHE:H	1:77:A:VAL:H	6	0.36
(1,4390)	1:76:B:SER:H	1:79:B:LEU:HD12	6	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4389)	1:76:A:SER:H	1:79:A:LEU:HD12	6	0.36
(1,4384)	1:76:B:SER:H	1:83:A:ALA:HB1	13	0.36
(1,4365)	1:9:A:LEU:H	1:79:B:LEU:HD11	18	0.36
(1,4358)	1:67:B:ASP:H	1:66:B:ARG:HB2	2	0.36
(1,4358)	1:67:B:ASP:H	1:66:B:ARG:HB2	5	0.36
(1,4357)	1:67:A:ASP:H	1:66:A:ARG:HB2	2	0.36
(1,4350)	1:16:B:PHE:H	1:79:B:LEU:HD12	5	0.36
(1,4347)	1:16:A:PHE:H	1:37:A:LEU:HD12	3	0.36
(1,4288)	1:45:B:PHE:H	1:82:B:ILE:HG21	12	0.36
(1,4287)	1:45:A:PHE:H	1:82:A:ILE:HG21	12	0.36
(1,4284)	1:3:B:SER:H	1:37:A:LEU:HD23	1	0.36
(1,4283)	1:3:A:SER:H	1:37:B:LEU:HD23	1	0.36
(1,4152)	1:55:B:PHE:HA	1:58:B:LEU:HD23	3	0.36
(1,4152)	1:55:B:PHE:HA	1:58:B:LEU:HD23	9	0.36
(1,4151)	1:55:A:PHE:HA	1:58:A:LEU:HD23	3	0.36
(1,4151)	1:55:A:PHE:HA	1:58:A:LEU:HD23	9	0.36
(1,4132)	1:20:B:SER:HB2	1:22:B:LYS:HG3	2	0.36
(1,4131)	1:20:A:SER:HB2	1:22:A:LYS:HG3	2	0.36
(1,4118)	1:64:B:SER:HA	1:60:B:SER:HB3	20	0.36
(1,4117)	1:64:A:SER:HA	1:60:A:SER:HB3	20	0.36
(1,4110)	1:2:B:ALA:HB3	1:6:B:GLU:HA	16	0.36
(1,4109)	1:2:A:ALA:HB3	1:6:A:GLU:HA	16	0.36
(1,4074)	1:41:B:GLU:HG3	1:40:B:ARG:HA	7	0.36
(1,4016)	1:41:B:GLU:HA	1:37:B:LEU:HD21	14	0.36
(1,4015)	1:41:A:GLU:HA	1:37:A:LEU:HD21	14	0.36
(1,4008)	1:69:B:GLU:HG2	1:28:B:LYS:HA	4	0.36
(1,4008)	1:69:B:GLU:HG2	1:28:B:LYS:HA	11	0.36
(1,4008)	1:69:B:GLU:HG2	1:28:B:LYS:HA	18	0.36
(1,4007)	1:69:A:GLU:HG2	1:28:A:LYS:HA	4	0.36
(1,4007)	1:69:A:GLU:HG2	1:28:A:LYS:HA	18	0.36
(1,3976)	1:42:B:LEU:HA	1:40:B:ARG:H	10	0.36
(1,3975)	1:42:A:LEU:HA	1:40:A:ARG:H	10	0.36
(1,3966)	1:2:B:ALA:HA	1:6:B:GLU:HA	9	0.36
(1,3965)	1:2:A:ALA:HA	1:6:A:GLU:HA	9	0.36
(1,3958)	1:94:B:PRO:HD3	1:89:B:PHE:HA	5	0.36
(1,3957)	1:94:A:PRO:HD3	1:89:A:PHE:HA	5	0.36
(1,3926)	1:49:B:ARG:HD3	1:46:B:LEU:HD13	1	0.36
(1,3925)	1:49:A:ARG:HD3	1:46:A:LEU:HD13	1	0.36
(1,3886)	1:7:B:LYS:HD2	1:7:B:LYS:HE3	4	0.36
(1,3886)	1:7:B:LYS:HD2	1:7:B:LYS:HE3	10	0.36
(1,3886)	1:7:B:LYS:HD2	1:7:B:LYS:HE3	12	0.36
(1,3885)	1:7:A:LYS:HD2	1:7:A:LYS:HE3	2	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3885)	1:7:A:LYS:HD2	1:7:A:LYS:HE3	4	0.36
(1,3885)	1:7:A:LYS:HD2	1:7:A:LYS:HE3	12	0.36
(1,3860)	1:31:B:LYS:HE2	1:53:B:ALA:HA	6	0.36
(1,3850)	1:9:B:LEU:HB3	1:79:A:LEU:HD13	5	0.36
(1,3849)	1:9:A:LEU:HB3	1:79:B:LEU:HD13	5	0.36
(1,3847)	1:9:A:LEU:HB2	1:79:B:LEU:HD12	4	0.36
(1,3812)	1:18:B:LYS:HB3	1:16:B:PHE:HB2	18	0.36
(1,3812)	1:18:B:LYS:HB3	1:16:B:PHE:HB2	19	0.36
(1,3811)	1:18:A:LYS:HB3	1:16:A:PHE:HB2	18	0.36
(1,3811)	1:18:A:LYS:HB3	1:16:A:PHE:HB2	19	0.36
(1,3792)	1:61:B:ASN:HB3	1:81:B:SER:HB3	18	0.36
(1,3791)	1:61:A:ASN:HB3	1:81:A:SER:HB3	18	0.36
(1,3780)	1:57:B:LYS:HB3	1:61:B:ASN:HB3	10	0.36
(1,3779)	1:57:A:LYS:HB3	1:61:A:ASN:HB3	10	0.36
(1,3769)	1:16:A:PHE:HB2	1:87:B:ASN:HB2	11	0.36
(1,3724)	1:69:B:GLU:HG2	1:29:B:LEU:HA	19	0.36
(1,3723)	1:69:A:GLU:HG2	1:29:A:LEU:HA	19	0.36
(1,3668)	1:13:B:VAL:H	1:12:B:MET:HB3	20	0.36
(1,3667)	1:13:A:VAL:H	1:12:A:MET:HB3	12	0.36
(1,3667)	1:13:A:VAL:H	1:12:A:MET:HB3	20	0.36
(1,3664)	1:85:B:MET:HG2	1:82:B:ILE:HG13	16	0.36
(1,3632)	1:43:B:PRO:HB2	1:42:B:LEU:HB3	10	0.36
(1,3631)	1:43:A:PRO:HB2	1:42:A:LEU:HB3	10	0.36
(1,3623)	1:43:A:PRO:HB3	1:47:A:GLY:HA3	17	0.36
(1,3612)	1:42:B:LEU:HG	1:41:B:GLU:HB3	1	0.36
(1,3562)	1:56:B:GLN:HB3	1:53:B:ALA:HB2	15	0.36
(1,3562)	1:56:B:GLN:HB3	1:53:B:ALA:HB1	17	0.36
(1,3561)	1:56:A:GLN:HB3	1:53:A:ALA:HB1	17	0.36
(1,3545)	1:29:A:LEU:HD21	1:22:A:LYS:HE3	16	0.36
(1,3539)	1:29:A:LEU:HD22	1:22:A:LYS:H	5	0.36
(1,3502)	1:34:B:LEU:HD21	1:58:B:LEU:HB3	1	0.36
(1,3501)	1:34:A:LEU:HD21	1:58:A:LEU:HB3	1	0.36
(1,3476)	1:46:B:LEU:HD22	1:45:B:PHE:HB3	15	0.36
(1,3475)	1:46:A:LEU:HD22	1:45:A:PHE:HB3	15	0.36
(1,3458)	1:26:B:LYS:HG3	1:28:B:LYS:H	8	0.36
(1,3457)	1:26:A:LYS:HG3	1:28:A:LYS:H	8	0.36
(1,3390)	1:10:B:ASP:H	1:11:B:VAL:HG22	6	0.36
(1,3389)	1:10:A:ASP:H	1:11:A:VAL:HG22	6	0.36
(1,3376)	1:50:B:THR:HG22	1:42:B:LEU:HB2	1	0.36
(1,3375)	1:50:A:THR:HG22	1:42:A:LEU:HB2	1	0.36
(1,3264)	1:81:B:SER:H	1:82:B:ILE:HD12	19	0.36
(1,3263)	1:81:A:SER:H	1:82:A:ILE:HD12	7	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3263)	1:81:A:SER:H	1:82:A:ILE:HD12	19	0.36
(1,3082)	1:65:B:ASN:HD22	1:65:B:ASN:HA	1	0.36
(1,3082)	1:65:B:ASN:HD22	1:65:B:ASN:HA	9	0.36
(1,3082)	1:65:B:ASN:HD22	1:65:B:ASN:HA	20	0.36
(1,3081)	1:65:A:ASN:HD22	1:65:A:ASN:HA	1	0.36
(1,3081)	1:65:A:ASN:HD22	1:65:A:ASN:HA	3	0.36
(1,3081)	1:65:A:ASN:HD22	1:65:A:ASN:HA	9	0.36
(1,3081)	1:65:A:ASN:HD22	1:65:A:ASN:HA	20	0.36
(1,2960)	1:28:B:LYS:H	1:26:B:LYS:HD2	2	0.36
(1,2872)	1:14:B:SER:H	1:10:B:ASP:HB3	16	0.36
(1,2871)	1:14:A:SER:H	1:10:A:ASP:HB3	16	0.36
(1,2820)	1:40:B:ARG:H	1:46:B:LEU:HD13	15	0.36
(1,2819)	1:40:A:ARG:H	1:46:A:LEU:HD13	15	0.36
(1,2486)	1:96:B:LYS:H	1:95:B:ASP:HB3	5	0.36
(1,2485)	1:96:A:LYS:H	1:95:A:ASP:HB3	5	0.36
(1,2440)	1:97:B:GLN:H	1:95:B:ASP:HB2	3	0.36
(1,2415)	1:52:A:GLU:H	1:53:A:ALA:HB1	14	0.36
(1,2324)	1:78:B:PHE:H	1:82:B:ILE:HD11	20	0.36
(1,2323)	1:78:A:PHE:H	1:82:A:ILE:HD11	10	0.36
(1,2323)	1:78:A:PHE:H	1:82:A:ILE:HD11	20	0.36
(1,2306)	1:45:B:PHE:H	1:42:B:LEU:HD23	3	0.36
(1,2305)	1:45:A:PHE:H	1:42:A:LEU:HD23	3	0.36
(1,2304)	1:45:B:PHE:H	1:7:A:LYS:HD2	9	0.36
(1,2303)	1:45:A:PHE:H	1:7:B:LYS:HD2	9	0.36
(1,2216)	1:30:B:ASN:H	1:29:B:LEU:HD12	14	0.36
(1,2215)	1:30:A:ASN:H	1:29:A:LEU:HD12	14	0.36
(1,2133)	1:25:A:ASP:H	1:28:A:LYS:HG2	2	0.36
(1,2085)	1:39:A:THR:HB	1:40:A:ARG:HD2	3	0.36
(1,2085)	1:39:A:THR:HB	1:40:A:ARG:HD2	17	0.36
(1,2084)	1:39:B:THR:HB	1:43:B:PRO:HD3	12	0.36
(1,2084)	1:39:B:THR:HB	1:43:B:PRO:HD3	15	0.36
(1,2084)	1:39:B:THR:HB	1:43:B:PRO:HD3	18	0.36
(1,2083)	1:39:A:THR:HB	1:43:A:PRO:HD3	12	0.36
(1,2012)	1:94:B:PRO:HA	1:95:B:ASP:HB3	17	0.36
(1,2011)	1:94:A:PRO:HA	1:95:A:ASP:HB3	17	0.36
(1,1954)	1:44:B:SER:HB3	1:45:B:PHE:HB2	8	0.36
(1,1932)	1:32:B:SER:HA	1:31:B:LYS:HD2	18	0.36
(1,1931)	1:32:A:SER:HA	1:31:A:LYS:HD2	18	0.36
(1,1868)	1:73:B:GLN:HA	1:76:B:SER:HB3	1	0.36
(1,1867)	1:73:A:GLN:HA	1:76:A:SER:HB3	1	0.36
(1,1844)	1:37:B:LEU:HA	1:29:B:LEU:HD13	11	0.36
(1,1843)	1:37:A:LEU:HA	1:29:A:LEU:HD13	11	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1748)	1:88:B:GLU:HB3	1:85:B:MET:HA	18	0.36
(1,1747)	1:88:A:GLU:HB3	1:85:A:MET:HA	18	0.36
(1,1726)	1:21:B:GLY:HA3	1:26:B:LYS:HA	6	0.36
(1,1726)	1:21:B:GLY:HA3	1:26:B:LYS:HA	9	0.36
(1,1725)	1:21:A:GLY:HA3	1:26:A:LYS:HA	6	0.36
(1,1596)	1:95:B:ASP:HA	1:96:B:LYS:HG2	11	0.36
(1,1595)	1:95:A:ASP:HA	1:96:A:LYS:HG2	11	0.36
(1,1368)	1:18:B:LYS:HE2	1:11:B:VAL:HG11	10	0.36
(1,1344)	1:22:B:LYS:HE3	1:33:B:GLU:HG3	3	0.36
(1,1343)	1:22:A:LYS:HE3	1:33:A:GLU:HG3	3	0.36
(1,1320)	1:92:B:GLY:H	1:96:B:LYS:HE2	3	0.36
(1,1319)	1:92:A:GLY:H	1:96:A:LYS:HE2	3	0.36
(1,1314)	1:58:B:LEU:HB3	1:62:B:LEU:HD11	19	0.36
(1,1313)	1:58:A:LEU:HB3	1:62:A:LEU:HD11	19	0.36
(1,1090)	1:91:B:GLU:HG3	1:91:B:GLU:HA	11	0.36
(1,1089)	1:91:A:GLU:HG3	1:91:A:GLU:HA	11	0.36
(1,1042)	1:52:B:GLU:HG3	1:53:B:ALA:H	7	0.36
(1,1041)	1:52:A:GLU:HG3	1:53:A:ALA:H	7	0.36
(1,892)	1:31:B:LYS:HB2	1:30:B:ASN:HA	16	0.36
(1,891)	1:31:A:LYS:HB2	1:30:A:ASN:HA	16	0.36
(1,686)	1:100:B:LYS:HD2	1:101:B:LYS:HA	8	0.36
(1,686)	1:100:B:LYS:HD3	1:101:B:LYS:HA	16	0.36
(1,685)	1:100:A:LYS:HD2	1:101:A:LYS:HA	8	0.36
(1,685)	1:100:A:LYS:HD3	1:101:A:LYS:HA	16	0.36
(1,636)	1:43:B:PRO:HG2	1:45:B:PHE:H	7	0.36
(1,562)	1:9:B:LEU:HG	1:10:B:ASP:HB3	11	0.36
(1,561)	1:9:A:LEU:HG	1:10:A:ASP:HB3	11	0.36
(1,536)	1:38:B:LEU:HD22	1:82:B:ILE:HD12	12	0.36
(1,535)	1:38:A:LEU:HD22	1:82:A:ILE:HD12	12	0.36
(1,508)	1:34:B:LEU:HD23	1:59:B:MET:HG2	1	0.36
(1,507)	1:34:A:LEU:HD23	1:59:A:MET:HG2	1	0.36
(1,494)	1:34:B:LEU:H	1:34:B:LEU:HD22	4	0.36
(1,493)	1:34:A:LEU:H	1:34:A:LEU:HD22	4	0.36
(1,474)	1:42:B:LEU:HD11	1:79:B:LEU:HA	13	0.36
(1,473)	1:42:A:LEU:HD11	1:79:A:LEU:HA	13	0.36
(1,458)	1:58:B:LEU:HD22	1:62:B:LEU:HD11	3	0.36
(1,457)	1:58:A:LEU:HD22	1:62:A:LEU:HD11	3	0.36
(1,454)	1:5:B:LEU:HD21	1:9:B:LEU:HD21	2	0.36
(1,454)	1:5:B:LEU:HD22	1:9:B:LEU:HD23	15	0.36
(1,453)	1:5:A:LEU:HD21	1:9:A:LEU:HD21	2	0.36
(1,453)	1:5:A:LEU:HD22	1:9:A:LEU:HD23	15	0.36
(1,398)	1:7:B:LYS:HG3	1:7:B:LYS:HA	13	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,397)	1:7:A:LYS:HG3	1:7:A:LYS:HA	13	0.36
(1,366)	1:96:B:LYS:HG2	1:91:B:GLU:H	1	0.36
(1,365)	1:96:A:LYS:HG2	1:91:A:GLU:H	1	0.36
(1,338)	1:58:B:LEU:HD13	1:61:B:ASN:HB3	11	0.36
(1,337)	1:58:A:LEU:HD13	1:61:A:ASN:HB3	11	0.36
(1,232)	1:13:B:VAL:HG22	1:84:A:MET:HA	11	0.36
(1,226)	1:71:B:ASP:H	1:70:B:VAL:HG23	4	0.36
(1,226)	1:71:B:ASP:H	1:70:B:VAL:HG21	12	0.36
(1,225)	1:71:A:ASP:H	1:70:A:VAL:HG23	4	0.36
(1,225)	1:71:A:ASP:H	1:70:A:VAL:HG21	12	0.36
(1,116)	1:2:B:ALA:HB1	1:7:B:LYS:HE2	4	0.36
(1,84)	1:8:B:ALA:HB2	1:10:B:ASP:HB3	14	0.36
(1,83)	1:8:A:ALA:HB1	1:10:A:ASP:HB3	4	0.36
(1,75)	1:53:A:ALA:HB1	1:51:A:ASP:HA	3	0.36
(1,58)	1:82:B:ILE:HG22	1:85:B:MET:HG3	12	0.36
(1,57)	1:82:A:ILE:HG22	1:85:A:MET:HG3	12	0.36
(1,50)	1:82:B:ILE:HG23	1:86:B:SER:HB3	11	0.36
(1,49)	1:82:A:ILE:HG23	1:86:A:SER:HB3	11	0.36
(1,27)	1:83:A:ALA:H	1:82:A:ILE:HD13	17	0.36
(1,6)	1:7:B:LYS:HD2	1:44:A:SER:HA	20	0.36
(1,5)	1:7:A:LYS:HD2	1:44:B:SER:HA	17	0.36
(1,5)	1:7:A:LYS:HD2	1:44:B:SER:HA	20	0.36
(2,221)	1:5:A:LEU:H	1:41:B:GLU:HA	14	0.35
(2,130)	1:21:B:GLY:HA2	1:18:B:LYS:HA	20	0.35
(2,50)	1:69:B:GLU:HB2	1:30:B:ASN:HB2	10	0.35
(2,49)	1:69:A:GLU:HB2	1:30:A:ASN:HB2	10	0.35
(1,4600)	1:99:B:ARG:H	1:101:B:LYS:HE2	13	0.35
(1,4599)	1:99:A:ARG:H	1:101:A:LYS:HE2	13	0.35
(1,4598)	1:62:B:LEU:H	1:70:B:VAL:HG21	12	0.35
(1,4597)	1:62:A:LEU:H	1:70:A:VAL:HG21	12	0.35
(1,4578)	1:39:B:THR:H	1:36:B:GLU:HG3	8	0.35
(1,4577)	1:39:A:THR:H	1:36:A:GLU:HG3	18	0.35
(1,4569)	1:30:A:ASN:HD22	1:37:A:LEU:HD13	15	0.35
(1,4559)	1:73:A:GLN:HE21	1:78:A:PHE:HB2	3	0.35
(1,4520)	1:80:B:SER:H	1:84:B:MET:H	5	0.35
(1,4518)	1:20:B:SER:H	1:26:B:LYS:HD3	11	0.35
(1,4517)	1:20:A:SER:H	1:26:A:LYS:HD3	11	0.35
(1,4488)	1:17:B:HIS:H	1:26:B:LYS:HD2	16	0.35
(1,4487)	1:17:A:HIS:H	1:26:A:LYS:HD2	16	0.35
(1,4476)	1:86:B:SER:H	1:13:A:VAL:HG22	18	0.35
(1,4460)	1:68:B:ASN:H	1:70:B:VAL:HG21	9	0.35
(1,4459)	1:68:A:ASN:H	1:70:A:VAL:HG21	9	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4438)	1:38:B:LEU:H	1:37:B:LEU:HG	12	0.35
(1,4437)	1:38:A:LEU:H	1:37:A:LEU:HG	12	0.35
(1,4396)	1:72:B:PHE:H	1:77:B:VAL:H	20	0.35
(1,4395)	1:72:A:PHE:H	1:77:A:VAL:H	20	0.35
(1,4383)	1:76:A:SER:H	1:83:B:ALA:HB1	13	0.35
(1,4369)	1:95:A:ASP:H	1:27:B:PHE:HB2	4	0.35
(1,4357)	1:67:A:ASP:H	1:66:A:ARG:HB2	5	0.35
(1,4349)	1:16:A:PHE:H	1:79:A:LEU:HD12	5	0.35
(1,4340)	1:13:B:VAL:H	1:79:B:LEU:HD12	19	0.35
(1,4339)	1:13:A:VAL:H	1:79:A:LEU:HD12	19	0.35
(1,4287)	1:45:A:PHE:H	1:82:A:ILE:HG23	14	0.35
(1,4248)	1:12:B:MET:H	1:11:B:VAL:HG11	20	0.35
(1,4247)	1:12:A:MET:H	1:11:A:VAL:HG11	20	0.35
(1,4216)	1:71:B:ASP:H	1:73:B:GLN:HE21	20	0.35
(1,4215)	1:71:A:ASP:H	1:73:A:GLN:HE21	20	0.35
(1,4202)	1:39:B:THR:HB	1:36:B:GLU:HG2	5	0.35
(1,4201)	1:39:A:THR:HB	1:36:A:GLU:HG2	5	0.35
(1,4166)	1:76:B:SER:HA	1:83:A:ALA:HB2	2	0.35
(1,4165)	1:76:A:SER:HA	1:83:B:ALA:HB2	2	0.35
(1,4165)	1:76:A:SER:HA	1:83:B:ALA:HB2	12	0.35
(1,4152)	1:55:B:PHE:HA	1:58:B:LEU:HD23	16	0.35
(1,4151)	1:55:A:PHE:HA	1:58:A:LEU:HD23	16	0.35
(1,4150)	1:76:B:SER:HB2	1:82:A:ILE:HB	3	0.35
(1,4148)	1:16:B:PHE:HA	1:20:B:SER:HB3	14	0.35
(1,4131)	1:20:A:SER:HB2	1:22:A:LYS:HG3	11	0.35
(1,4110)	1:2:B:ALA:HB1	1:6:B:GLU:HA	13	0.35
(1,4109)	1:2:A:ALA:HB1	1:6:A:GLU:HA	13	0.35
(1,4007)	1:69:A:GLU:HG2	1:28:A:LYS:HA	11	0.35
(1,3958)	1:98:B:PRO:HD2	1:99:B:ARG:HA	10	0.35
(1,3958)	1:98:B:PRO:HD2	1:99:B:ARG:HA	11	0.35
(1,3957)	1:98:A:PRO:HD2	1:99:A:ARG:HA	11	0.35
(1,3957)	1:98:A:PRO:HD2	1:99:A:ARG:HA	16	0.35
(1,3948)	1:21:B:GLY:HA3	1:22:B:LYS:HB3	7	0.35
(1,3948)	1:21:B:GLY:HA3	1:22:B:LYS:HB3	13	0.35
(1,3947)	1:21:A:GLY:HA3	1:22:A:LYS:HB3	7	0.35
(1,3947)	1:21:A:GLY:HA3	1:22:A:LYS:HB3	13	0.35
(1,3945)	1:42:A:LEU:HB2	1:79:A:LEU:HD22	6	0.35
(1,3944)	1:42:B:LEU:HB3	1:79:B:LEU:HD22	13	0.35
(1,3943)	1:42:A:LEU:HB3	1:79:A:LEU:HD22	13	0.35
(1,3892)	1:7:B:LYS:HE3	1:42:A:LEU:HD11	9	0.35
(1,3891)	1:7:A:LYS:HE3	1:42:B:LEU:HD11	9	0.35
(1,3888)	1:31:B:LYS:HE2	1:35:B:LYS:HD2	5	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3887)	1:31:A:LYS:HE2	1:35:A:LYS:HD2	5	0.35
(1,3886)	1:7:B:LYS:HD2	1:7:B:LYS:HE3	2	0.35
(1,3886)	1:7:B:LYS:HD2	1:7:B:LYS:HE3	20	0.35
(1,3885)	1:7:A:LYS:HD2	1:7:A:LYS:HE3	10	0.35
(1,3885)	1:7:A:LYS:HD2	1:7:A:LYS:HE3	20	0.35
(1,3860)	1:31:B:LYS:HE2	1:52:B:GLU:HA	13	0.35
(1,3859)	1:31:A:LYS:HE2	1:52:A:GLU:HA	13	0.35
(1,3812)	1:18:B:LYS:HB3	1:16:B:PHE:HB2	9	0.35
(1,3811)	1:18:A:LYS:HB3	1:16:A:PHE:HB2	9	0.35
(1,3794)	1:28:B:LYS:HB2	1:20:B:SER:HB3	12	0.35
(1,3793)	1:28:A:LYS:HB2	1:20:A:SER:HB3	12	0.35
(1,3780)	1:57:B:LYS:HB3	1:61:B:ASN:HB3	13	0.35
(1,3770)	1:16:B:PHE:HB2	1:87:A:ASN:HB2	17	0.35
(1,3760)	1:27:B:PHE:HB2	1:96:A:LYS:H	7	0.35
(1,3759)	1:27:A:PHE:HB2	1:96:B:LYS:H	7	0.35
(1,3692)	1:70:B:VAL:HB	1:71:B:ASP:HB3	7	0.35
(1,3691)	1:70:A:VAL:HB	1:71:A:ASP:HB3	7	0.35
(1,3668)	1:13:B:VAL:H	1:12:B:MET:HB3	12	0.35
(1,3663)	1:85:A:MET:HG2	1:82:A:ILE:HG13	16	0.35
(1,3643)	1:31:A:LYS:HB3	1:35:A:LYS:HA	12	0.35
(1,3636)	1:33:B:GLU:HB3	1:34:B:LEU:HB2	9	0.35
(1,3635)	1:33:A:GLU:HB3	1:34:A:LEU:HB2	9	0.35
(1,3632)	1:43:B:PRO:HB2	1:42:B:LEU:HB3	19	0.35
(1,3611)	1:42:A:LEU:HG	1:41:A:GLU:HB3	1	0.35
(1,3592)	1:35:B:LYS:HD2	1:31:B:LYS:HG2	10	0.35
(1,3591)	1:35:A:LYS:HD2	1:31:A:LYS:HG2	10	0.35
(1,3584)	1:7:B:LYS:HD2	1:7:B:LYS:HB3	13	0.35
(1,3583)	1:7:A:LYS:HD2	1:7:A:LYS:HB3	1	0.35
(1,3583)	1:7:A:LYS:HD2	1:7:A:LYS:HB3	13	0.35
(1,3576)	1:88:B:GLU:HB2	1:90:B:PHE:HB3	16	0.35
(1,3575)	1:88:A:GLU:HB2	1:90:A:PHE:HB3	16	0.35
(1,3566)	1:37:B:LEU:HG	1:19:B:TYR:HA	10	0.35
(1,3565)	1:37:A:LEU:HG	1:19:A:TYR:HA	10	0.35
(1,3561)	1:56:A:GLN:HB3	1:53:A:ALA:HB2	15	0.35
(1,3542)	1:37:B:LEU:HD11	1:17:B:HIS:HA	13	0.35
(1,3541)	1:37:A:LEU:HD11	1:17:A:HIS:HA	13	0.35
(1,3540)	1:29:B:LEU:HD22	1:22:B:LYS:H	5	0.35
(1,3476)	1:46:B:LEU:HD23	1:45:B:PHE:HB3	4	0.35
(1,3458)	1:26:B:LYS:HG3	1:28:B:LYS:H	19	0.35
(1,3457)	1:26:A:LYS:HG3	1:28:A:LYS:H	19	0.35
(1,3396)	1:11:B:VAL:HG22	1:10:B:ASP:HB3	18	0.35
(1,3394)	1:77:B:VAL:HG21	1:74:B:GLU:HA	4	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3393)	1:77:A:VAL:HG21	1:74:A:GLU:HA	4	0.35
(1,3369)	1:70:A:VAL:HG11	1:28:A:LYS:HE2	12	0.35
(1,3190)	1:39:B:THR:H	1:29:B:LEU:HD13	1	0.35
(1,3190)	1:39:B:THR:H	1:29:B:LEU:HD11	18	0.35
(1,3189)	1:39:A:THR:H	1:29:A:LEU:HD13	1	0.35
(1,3189)	1:39:A:THR:H	1:29:A:LEU:HD11	18	0.35
(1,3171)	1:30:A:ASN:HD22	1:22:A:LYS:HE3	5	0.35
(1,3090)	1:56:B:GLN:HE21	1:60:B:SER:HB2	20	0.35
(1,3089)	1:56:A:GLN:HE21	1:60:A:SER:HB2	20	0.35
(1,3086)	1:65:B:ASN:HD22	1:98:A:PRO:HG3	3	0.35
(1,3085)	1:65:A:ASN:HD22	1:98:B:PRO:HG3	3	0.35
(1,3082)	1:65:B:ASN:HD22	1:65:B:ASN:HA	3	0.35
(1,3082)	1:65:B:ASN:HD22	1:65:B:ASN:HA	4	0.35
(1,3082)	1:65:B:ASN:HD22	1:65:B:ASN:HA	8	0.35
(1,3081)	1:65:A:ASN:HD22	1:65:A:ASN:HA	4	0.35
(1,3081)	1:65:A:ASN:HD22	1:65:A:ASN:HA	8	0.35
(1,3046)	1:41:B:GLU:H	1:29:B:LEU:HD13	4	0.35
(1,3045)	1:41:A:GLU:H	1:29:A:LEU:HD13	4	0.35
(1,3020)	1:68:B:ASN:HD22	1:66:B:ARG:HG3	20	0.35
(1,3019)	1:68:A:ASN:HD22	1:66:A:ARG:HG3	20	0.35
(1,2959)	1:28:A:LYS:H	1:26:A:LYS:HD2	2	0.35
(1,2871)	1:14:A:SER:H	1:10:A:ASP:HB3	1	0.35
(1,2621)	1:55:A:PHE:H	1:50:A:THR:HG21	8	0.35
(1,2439)	1:97:A:GLN:H	1:95:A:ASP:HB2	3	0.35
(1,2416)	1:52:B:GLU:H	1:53:B:ALA:HB1	14	0.35
(1,2324)	1:78:B:PHE:H	1:82:B:ILE:HD11	10	0.35
(1,2216)	1:30:B:ASN:H	1:29:B:LEU:HD13	13	0.35
(1,2216)	1:30:B:ASN:H	1:29:B:LEU:HD13	17	0.35
(1,2215)	1:30:A:ASN:H	1:29:A:LEU:HD13	13	0.35
(1,2215)	1:30:A:ASN:H	1:29:A:LEU:HD13	17	0.35
(1,2134)	1:25:B:ASP:H	1:28:B:LYS:HG2	2	0.35
(1,2096)	1:26:B:LYS:H	1:26:B:LYS:HG2	1	0.35
(1,2095)	1:26:A:LYS:H	1:26:A:LYS:HG2	1	0.35
(1,2086)	1:39:B:THR:HB	1:40:B:ARG:HD2	3	0.35
(1,2086)	1:39:B:THR:HB	1:40:B:ARG:HD2	15	0.35
(1,2086)	1:39:B:THR:HB	1:40:B:ARG:HD2	17	0.35
(1,2085)	1:39:A:THR:HB	1:40:A:ARG:HD2	15	0.35
(1,2083)	1:39:A:THR:HB	1:43:A:PRO:HD3	15	0.35
(1,2076)	1:50:B:THR:HB	1:35:B:LYS:HE2	1	0.35
(1,2076)	1:50:B:THR:HB	1:35:B:LYS:HE2	5	0.35
(1,2076)	1:50:B:THR:HB	1:35:B:LYS:HE2	15	0.35
(1,2075)	1:50:A:THR:HB	1:35:A:LYS:HE2	1	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2075)	1:50:A:THR:HB	1:35:A:LYS:HE2	6	0.35
(1,2075)	1:50:A:THR:HB	1:35:A:LYS:HE2	7	0.35
(1,1931)	1:32:A:SER:HA	1:31:A:LYS:HD2	6	0.35
(1,1902)	1:20:B:SER:HB3	1:30:B:ASN:HD21	12	0.35
(1,1901)	1:20:A:SER:HB3	1:30:A:ASN:HD21	12	0.35
(1,1844)	1:37:B:LEU:HA	1:29:B:LEU:HD11	2	0.35
(1,1843)	1:37:A:LEU:HA	1:29:A:LEU:HD11	2	0.35
(1,1654)	1:83:B:ALA:HA	1:82:B:ILE:HD11	15	0.35
(1,1653)	1:83:A:ALA:HA	1:82:A:ILE:HD11	15	0.35
(1,1584)	1:42:B:LEU:HA	1:82:B:ILE:HD13	2	0.35
(1,1583)	1:42:A:LEU:HA	1:82:A:ILE:HD13	2	0.35
(1,1551)	1:98:A:PRO:HD2	1:101:A:LYS:HG3	16	0.35
(1,1521)	1:21:A:GLY:HA3	1:26:A:LYS:HG3	7	0.35
(1,1521)	1:21:A:GLY:HA3	1:26:A:LYS:HG3	17	0.35
(1,1492)	1:42:B:LEU:HB3	1:37:B:LEU:HD22	20	0.35
(1,1491)	1:42:A:LEU:HB3	1:37:A:LEU:HD22	20	0.35
(1,1480)	1:42:B:LEU:HB2	1:45:B:PHE:HA	14	0.35
(1,1448)	1:29:B:LEU:HB2	1:33:B:GLU:HB3	14	0.35
(1,1447)	1:29:A:LEU:HB2	1:33:A:GLU:HB3	14	0.35
(1,1368)	1:18:B:LYS:HE2	1:11:B:VAL:HG12	11	0.35
(1,1367)	1:18:A:LYS:HE2	1:11:A:VAL:HG11	10	0.35
(1,1367)	1:18:A:LYS:HE2	1:11:A:VAL:HG12	11	0.35
(1,1320)	1:92:B:GLY:H	1:96:B:LYS:HE3	1	0.35
(1,1320)	1:92:B:GLY:H	1:96:B:LYS:HE2	4	0.35
(1,1319)	1:92:A:GLY:H	1:96:A:LYS:HE2	4	0.35
(1,1319)	1:92:A:GLY:H	1:96:A:LYS:HE2	20	0.35
(1,1238)	1:18:B:LYS:HB3	1:16:B:PHE:HB2	2	0.35
(1,1238)	1:18:B:LYS:HB3	1:16:B:PHE:HB2	20	0.35
(1,1237)	1:18:A:LYS:HB3	1:16:A:PHE:HB2	2	0.35
(1,1237)	1:18:A:LYS:HB3	1:16:A:PHE:HB2	20	0.35
(1,1218)	1:57:B:LYS:HE2	1:54:B:ALA:H	19	0.35
(1,1217)	1:57:A:LYS:HE2	1:54:A:ALA:H	19	0.35
(1,1190)	1:28:B:LYS:HB2	1:26:B:LYS:HA	18	0.35
(1,1189)	1:28:A:LYS:HB2	1:26:A:LYS:HA	18	0.35
(1,1042)	1:52:B:GLU:HG3	1:53:B:ALA:H	1	0.35
(1,1042)	1:52:B:GLU:HG3	1:53:B:ALA:H	3	0.35
(1,1041)	1:52:A:GLU:HG3	1:53:A:ALA:H	1	0.35
(1,1041)	1:52:A:GLU:HG3	1:53:A:ALA:H	3	0.35
(1,950)	1:12:B:MET:HB2	1:9:A:LEU:HD12	8	0.35
(1,950)	1:12:B:MET:HB2	1:9:A:LEU:HD11	18	0.35
(1,949)	1:12:A:MET:HB2	1:9:B:LEU:HD12	8	0.35
(1,949)	1:12:A:MET:HB2	1:9:B:LEU:HD11	18	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,892)	1:31:B:LYS:HB2	1:30:B:ASN:HA	3	0.35
(1,891)	1:31:A:LYS:HB2	1:30:A:ASN:HA	3	0.35
(1,856)	1:26:B:LYS:HB3	1:21:B:GLY:HA2	11	0.35
(1,856)	1:26:B:LYS:HB3	1:21:B:GLY:HA2	17	0.35
(1,855)	1:26:A:LYS:HB3	1:21:A:GLY:HA2	11	0.35
(1,842)	1:29:B:LEU:HD12	1:33:B:GLU:HB3	3	0.35
(1,841)	1:29:A:LEU:HD12	1:33:A:GLU:HB3	3	0.35
(1,838)	1:34:B:LEU:HD21	1:59:B:MET:HB3	10	0.35
(1,822)	1:43:B:PRO:HB2	1:44:B:SER:HB2	18	0.35
(1,821)	1:43:A:PRO:HB2	1:44:A:SER:HB2	18	0.35
(1,710)	1:22:B:LYS:HD3	1:37:B:LEU:HB2	5	0.35
(1,710)	1:22:B:LYS:HD3	1:37:B:LEU:HB2	15	0.35
(1,709)	1:22:A:LYS:HD3	1:37:A:LEU:HB2	5	0.35
(1,709)	1:22:A:LYS:HD3	1:37:A:LEU:HB2	15	0.35
(1,686)	1:100:B:LYS:HD3	1:101:B:LYS:HA	15	0.35
(1,685)	1:100:A:LYS:HD3	1:101:A:LYS:HA	15	0.35
(1,610)	1:37:B:LEU:HD21	1:41:B:GLU:HG2	13	0.35
(1,600)	1:37:B:LEU:HD13	1:34:B:LEU:HA	15	0.35
(1,599)	1:37:A:LEU:HD13	1:34:A:LEU:HA	15	0.35
(1,518)	1:42:B:LEU:HD13	1:82:B:ILE:HD11	6	0.35
(1,517)	1:42:A:LEU:HD13	1:82:A:ILE:HD11	6	0.35
(1,494)	1:34:B:LEU:H	1:34:B:LEU:HD21	15	0.35
(1,493)	1:34:A:LEU:H	1:34:A:LEU:HD21	15	0.35
(1,482)	1:79:B:LEU:HD22	1:12:B:MET:HB2	2	0.35
(1,481)	1:79:A:LEU:HD22	1:12:A:MET:HB2	2	0.35
(1,457)	1:58:A:LEU:HD21	1:62:A:LEU:HD11	5	0.35
(1,454)	1:5:B:LEU:HD21	1:9:B:LEU:HD22	20	0.35
(1,453)	1:5:A:LEU:HD21	1:9:A:LEU:HD22	20	0.35
(1,398)	1:7:B:LYS:HG3	1:7:B:LYS:HA	1	0.35
(1,398)	1:7:B:LYS:HG3	1:7:B:LYS:HA	5	0.35
(1,397)	1:7:A:LYS:HG3	1:7:A:LYS:HA	1	0.35
(1,397)	1:7:A:LYS:HG3	1:7:A:LYS:HA	5	0.35
(1,392)	1:46:B:LEU:HD22	1:46:B:LEU:H	1	0.35
(1,391)	1:46:A:LEU:HD22	1:46:A:LEU:H	1	0.35
(1,313)	1:62:A:LEU:HD21	1:58:A:LEU:HD12	1	0.35
(1,261)	1:38:A:LEU:HD12	1:45:A:PHE:HA	13	0.35
(1,226)	1:71:B:ASP:H	1:70:B:VAL:HG22	5	0.35
(1,226)	1:71:B:ASP:H	1:70:B:VAL:HG22	16	0.35
(1,225)	1:71:A:ASP:H	1:70:A:VAL:HG22	5	0.35
(1,225)	1:71:A:ASP:H	1:70:A:VAL:HG22	16	0.35
(1,181)	1:50:A:THR:HG22	1:48:A:LYS:HB3	18	0.35
(1,136)	1:77:B:VAL:HG11	1:73:B:GLN:HG2	17	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,135)	1:77:A:VAL:HG11	1:73:A:GLN:HG2	17	0.35
(1,115)	1:2:A:ALA:HB1	1:7:A:LYS:HE2	4	0.35
(1,83)	1:8:A:ALA:HB2	1:10:A:ASP:HB3	14	0.35
(1,32)	1:82:B:ILE:HD11	1:45:B:PHE:HA	5	0.35
(1,32)	1:82:B:ILE:HD12	1:45:B:PHE:HA	13	0.35
(1,31)	1:82:A:ILE:HD11	1:45:A:PHE:HA	5	0.35
(1,31)	1:82:A:ILE:HD12	1:45:A:PHE:HA	13	0.35
(1,28)	1:83:B:ALA:H	1:82:B:ILE:HD11	2	0.35
(1,28)	1:83:B:ALA:H	1:82:B:ILE:HD12	14	0.35
(1,28)	1:83:B:ALA:H	1:82:B:ILE:HD12	19	0.35
(1,27)	1:83:A:ALA:H	1:82:A:ILE:HD11	2	0.35
(1,27)	1:83:A:ALA:H	1:82:A:ILE:HD12	14	0.35
(1,27)	1:83:A:ALA:H	1:82:A:ILE:HD12	19	0.35
(1,6)	1:7:B:LYS:HD2	1:44:A:SER:HA	12	0.35
(1,6)	1:7:B:LYS:HD2	1:44:A:SER:HA	17	0.35
(1,5)	1:7:A:LYS:HD2	1:44:B:SER:HA	10	0.35
(1,5)	1:7:A:LYS:HD2	1:44:B:SER:HA	12	0.35
(2,222)	1:5:B:LEU:H	1:41:A:GLU:HA	14	0.34
(2,150)	1:14:B:SER:HA	1:16:B:PHE:HB3	17	0.34
(2,149)	1:14:A:SER:HA	1:16:A:PHE:HB3	17	0.34
(2,129)	1:21:A:GLY:HA2	1:18:A:LYS:HA	20	0.34
(2,68)	1:59:B:MET:HB3	1:34:B:LEU:HB3	13	0.34
(2,68)	1:59:B:MET:HB3	1:34:B:LEU:HB3	20	0.34
(2,67)	1:59:A:MET:HB3	1:34:A:LEU:HB3	13	0.34
(2,67)	1:59:A:MET:HB3	1:34:A:LEU:HB3	20	0.34
(2,50)	1:69:B:GLU:HB2	1:30:B:ASN:HB2	1	0.34
(1,4600)	1:99:B:ARG:H	1:101:B:LYS:HE3	15	0.34
(1,4578)	1:39:B:THR:H	1:36:B:GLU:HG3	18	0.34
(1,4577)	1:39:A:THR:H	1:36:A:GLU:HG3	8	0.34
(1,4570)	1:30:B:ASN:HD22	1:37:B:LEU:HD13	15	0.34
(1,4568)	1:30:B:ASN:HD22	1:69:B:GLU:HG2	7	0.34
(1,4567)	1:30:A:ASN:HD22	1:69:A:GLU:HG2	7	0.34
(1,4560)	1:73:B:GLN:HE21	1:78:B:PHE:HB2	3	0.34
(1,4519)	1:80:A:SER:H	1:84:A:MET:H	5	0.34
(1,4516)	1:20:B:SER:H	1:18:B:LYS:HB3	13	0.34
(1,4515)	1:20:A:SER:H	1:18:A:LYS:HB3	13	0.34
(1,4476)	1:86:B:SER:H	1:13:A:VAL:HG21	7	0.34
(1,4475)	1:86:A:SER:H	1:13:B:VAL:HG21	7	0.34
(1,4438)	1:38:B:LEU:H	1:39:B:THR:HG22	5	0.34
(1,4396)	1:72:B:PHE:H	1:77:B:VAL:H	14	0.34
(1,4395)	1:72:A:PHE:H	1:77:A:VAL:H	14	0.34
(1,4390)	1:76:B:SER:H	1:79:B:LEU:HD11	8	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4389)	1:76:A:SER:H	1:79:A:LEU:HD11	8	0.34
(1,4366)	1:9:B:LEU:H	1:79:A:LEU:HD13	9	0.34
(1,4365)	1:9:A:LEU:H	1:79:B:LEU:HD13	9	0.34
(1,4295)	1:64:A:SER:H	1:63:A:ASP:H	13	0.34
(1,4288)	1:45:B:PHE:H	1:82:B:ILE:HG23	14	0.34
(1,4270)	1:8:B:ALA:H	1:9:B:LEU:HD12	17	0.34
(1,4269)	1:8:A:ALA:H	1:9:A:LEU:HD12	17	0.34
(1,4254)	1:77:B:VAL:H	1:62:B:LEU:HB3	18	0.34
(1,4248)	1:12:B:MET:H	1:11:B:VAL:HG12	12	0.34
(1,4248)	1:12:B:MET:H	1:11:B:VAL:HG11	13	0.34
(1,4247)	1:12:A:MET:H	1:11:A:VAL:HG13	2	0.34
(1,4247)	1:12:A:MET:H	1:11:A:VAL:HG12	12	0.34
(1,4247)	1:12:A:MET:H	1:11:A:VAL:HG11	13	0.34
(1,4202)	1:39:B:THR:HB	1:36:B:GLU:HG2	18	0.34
(1,4201)	1:39:A:THR:HB	1:36:A:GLU:HG2	18	0.34
(1,4178)	1:32:B:SER:HB2	1:31:B:LYS:HG3	6	0.34
(1,4177)	1:32:A:SER:HB2	1:31:A:LYS:HG3	6	0.34
(1,4166)	1:76:B:SER:HA	1:83:A:ALA:HB3	7	0.34
(1,4166)	1:76:B:SER:HA	1:83:A:ALA:HB1	9	0.34
(1,4166)	1:76:B:SER:HA	1:83:A:ALA:HB2	12	0.34
(1,4165)	1:76:A:SER:HA	1:83:B:ALA:HB1	9	0.34
(1,4164)	1:14:B:SER:HB3	1:18:B:LYS:HD3	17	0.34
(1,4163)	1:14:A:SER:HB3	1:18:A:LYS:HD3	17	0.34
(1,4149)	1:76:A:SER:HB2	1:82:B:ILE:HB	3	0.34
(1,4147)	1:16:A:PHE:HA	1:20:A:SER:HB3	14	0.34
(1,4132)	1:20:B:SER:HB2	1:22:B:LYS:HG3	9	0.34
(1,4132)	1:20:B:SER:HB2	1:22:B:LYS:HG3	11	0.34
(1,4131)	1:20:A:SER:HB2	1:22:A:LYS:HG3	9	0.34
(1,4084)	1:61:B:ASN:HA	1:57:B:LYS:HA	17	0.34
(1,4061)	1:10:A:ASP:HA	1:82:B:ILE:HB	14	0.34
(1,4061)	1:10:A:ASP:HA	1:82:B:ILE:HB	15	0.34
(1,4042)	1:99:B:ARG:HA	1:98:B:PRO:HB3	9	0.34
(1,4041)	1:99:A:ARG:HA	1:98:A:PRO:HB3	9	0.34
(1,4016)	1:41:B:GLU:HA	1:37:B:LEU:HD23	1	0.34
(1,4015)	1:41:A:GLU:HA	1:37:A:LEU:HD23	1	0.34
(1,3972)	1:2:B:ALA:HA	1:11:A:VAL:HG11	18	0.34
(1,3958)	1:98:B:PRO:HD2	1:99:B:ARG:HA	16	0.34
(1,3957)	1:98:A:PRO:HD2	1:99:A:ARG:HA	10	0.34
(1,3946)	1:42:B:LEU:HB2	1:79:B:LEU:HD22	6	0.34
(1,3920)	1:40:B:ARG:HD3	1:19:B:TYR:HB3	12	0.34
(1,3919)	1:40:A:ARG:HD3	1:19:A:TYR:HB3	12	0.34
(1,3850)	1:9:B:LEU:HB3	1:79:A:LEU:HD11	10	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3849)	1:9:A:LEU:HB3	1:79:B:LEU:HD11	10	0.34
(1,3839)	1:25:A:ASP:HB2	1:28:A:LYS:HG3	14	0.34
(1,3812)	1:18:B:LYS:HB3	1:16:B:PHE:HB2	3	0.34
(1,3812)	1:18:B:LYS:HB3	1:16:B:PHE:HB2	13	0.34
(1,3811)	1:18:A:LYS:HB3	1:16:A:PHE:HB2	3	0.34
(1,3811)	1:18:A:LYS:HB3	1:16:A:PHE:HB2	13	0.34
(1,3779)	1:87:A:ASN:HB2	1:88:A:GLU:HB2	8	0.34
(1,3779)	1:57:A:LYS:HB3	1:61:A:ASN:HB3	13	0.34
(1,3772)	1:85:B:MET:HG2	1:87:B:ASN:HB3	11	0.34
(1,3771)	1:85:A:MET:HG2	1:87:A:ASN:HB3	11	0.34
(1,3769)	1:16:A:PHE:HB2	1:87:B:ASN:HB2	17	0.34
(1,3760)	1:27:B:PHE:HB2	1:96:A:LYS:H	19	0.34
(1,3759)	1:27:A:PHE:HB2	1:96:B:LYS:H	19	0.34
(1,3735)	1:94:A:PRO:HB2	1:88:A:GLU:HG3	6	0.34
(1,3692)	1:70:B:VAL:HB	1:71:B:ASP:HB3	15	0.34
(1,3692)	1:70:B:VAL:HB	1:71:B:ASP:HB3	16	0.34
(1,3691)	1:70:A:VAL:HB	1:71:A:ASP:HB3	15	0.34
(1,3691)	1:70:A:VAL:HB	1:71:A:ASP:HB3	16	0.34
(1,3668)	1:13:B:VAL:H	1:12:B:MET:HB3	11	0.34
(1,3667)	1:13:A:VAL:H	1:12:A:MET:HB3	11	0.34
(1,3664)	1:85:B:MET:HG2	1:82:B:ILE:HG13	9	0.34
(1,3664)	1:85:B:MET:HG2	1:82:B:ILE:HG13	18	0.34
(1,3663)	1:85:A:MET:HG2	1:82:A:ILE:HG13	9	0.34
(1,3644)	1:31:B:LYS:HB3	1:35:B:LYS:HA	12	0.34
(1,3631)	1:43:A:PRO:HB2	1:42:A:LEU:HB3	19	0.34
(1,3592)	1:35:B:LYS:HD2	1:31:B:LYS:HG2	4	0.34
(1,3591)	1:35:A:LYS:HD2	1:31:A:LYS:HG2	4	0.34
(1,3584)	1:7:B:LYS:HD2	1:7:B:LYS:HB3	1	0.34
(1,3475)	1:46:A:LEU:HD23	1:45:A:PHE:HB3	4	0.34
(1,3404)	1:77:B:VAL:HG23	1:62:B:LEU:HB3	19	0.34
(1,3403)	1:77:A:VAL:HG23	1:62:A:LEU:HB3	19	0.34
(1,3396)	1:11:B:VAL:HG23	1:10:B:ASP:HB3	19	0.34
(1,3395)	1:11:A:VAL:HG22	1:10:A:ASP:HB3	18	0.34
(1,3395)	1:11:A:VAL:HG23	1:10:A:ASP:HB3	19	0.34
(1,3395)	1:11:A:VAL:HG23	1:10:A:ASP:HB3	20	0.34
(1,3370)	1:70:B:VAL:HG11	1:28:B:LYS:HE2	12	0.34
(1,3322)	1:54:B:ALA:HB2	1:46:B:LEU:HD23	3	0.34
(1,3321)	1:54:A:ALA:HB2	1:46:A:LEU:HD23	3	0.34
(1,3304)	1:9:B:LEU:HD13	1:15:A:THR:HB	5	0.34
(1,3303)	1:9:A:LEU:HD13	1:15:B:THR:HB	5	0.34
(1,3264)	1:81:B:SER:H	1:82:B:ILE:HD12	3	0.34
(1,3263)	1:81:A:SER:H	1:82:A:ILE:HD12	3	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3214)	1:47:B:GLY:H	1:82:B:ILE:HD11	18	0.34
(1,3213)	1:47:A:GLY:H	1:82:A:ILE:HD11	18	0.34
(1,3188)	1:39:B:THR:H	1:46:B:LEU:HD12	8	0.34
(1,3188)	1:39:B:THR:H	1:46:B:LEU:HD13	9	0.34
(1,3187)	1:39:A:THR:H	1:46:A:LEU:HD13	9	0.34
(1,3172)	1:30:B:ASN:HD22	1:22:B:LYS:HE3	5	0.34
(1,3081)	1:65:A:ASN:HD22	1:65:A:ASN:HA	11	0.34
(1,3045)	1:41:A:GLU:H	1:29:A:LEU:HD12	13	0.34
(1,2785)	1:89:A:PHE:H	1:13:B:VAL:HG12	16	0.34
(1,2752)	1:34:B:LEU:H	1:29:B:LEU:HD13	11	0.34
(1,2751)	1:34:A:LEU:H	1:29:A:LEU:HD13	11	0.34
(1,2622)	1:55:B:PHE:H	1:50:B:THR:HG21	8	0.34
(1,2545)	1:93:A:PHE:H	1:96:A:LYS:HE2	3	0.34
(1,2509)	1:42:A:LEU:H	1:82:A:ILE:HD11	20	0.34
(1,2285)	1:3:A:SER:H	1:40:B:ARG:HA	7	0.34
(1,2248)	1:8:B:ALA:H	1:43:A:PRO:HD2	8	0.34
(1,2247)	1:8:A:ALA:H	1:43:B:PRO:HD2	8	0.34
(1,2134)	1:25:B:ASP:H	1:28:B:LYS:HG2	10	0.34
(1,2133)	1:25:A:ASP:H	1:28:A:LYS:HG2	10	0.34
(1,2092)	1:26:B:LYS:H	1:21:B:GLY:HA3	18	0.34
(1,2091)	1:26:A:LYS:H	1:21:A:GLY:HA3	18	0.34
(1,2076)	1:50:B:THR:HB	1:35:B:LYS:HE2	6	0.34
(1,2076)	1:50:B:THR:HB	1:35:B:LYS:HE2	7	0.34
(1,2076)	1:50:B:THR:HB	1:35:B:LYS:HE2	11	0.34
(1,2075)	1:50:A:THR:HB	1:35:A:LYS:HE2	5	0.34
(1,2075)	1:50:A:THR:HB	1:35:A:LYS:HE2	15	0.34
(1,2036)	1:43:B:PRO:HA	1:7:A:LYS:HD2	6	0.34
(1,2035)	1:43:A:PRO:HA	1:7:B:LYS:HD2	6	0.34
(1,1932)	1:32:B:SER:HA	1:31:B:LYS:HD2	6	0.34
(1,1931)	1:32:A:SER:HA	1:31:A:LYS:HD3	10	0.34
(1,1844)	1:37:B:LEU:HA	1:29:B:LEU:HD13	8	0.34
(1,1843)	1:37:A:LEU:HA	1:29:A:LEU:HD13	8	0.34
(1,1822)	1:7:B:LYS:HA	1:7:B:LYS:HD3	7	0.34
(1,1780)	1:74:B:GLU:HG3	1:74:B:GLU:HA	9	0.34
(1,1779)	1:74:A:GLU:HG3	1:74:A:GLU:HA	9	0.34
(1,1648)	1:49:B:ARG:HD2	1:49:B:ARG:HA	7	0.34
(1,1552)	1:98:B:PRO:HD2	1:101:B:LYS:HG2	14	0.34
(1,1552)	1:98:B:PRO:HD2	1:101:B:LYS:HG3	16	0.34
(1,1551)	1:98:A:PRO:HD2	1:101:A:LYS:HG2	14	0.34
(1,1522)	1:21:B:GLY:HA3	1:26:B:LYS:HG3	7	0.34
(1,1522)	1:21:B:GLY:HA3	1:26:B:LYS:HG3	17	0.34
(1,1486)	1:42:B:LEU:HB3	1:41:B:GLU:HB3	15	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1485)	1:42:A:LEU:HB3	1:41:A:GLU:HB3	15	0.34
(1,1479)	1:42:A:LEU:HB2	1:45:A:PHE:HA	14	0.34
(1,1320)	1:92:B:GLY:H	1:96:B:LYS:HE3	8	0.34
(1,1320)	1:92:B:GLY:H	1:96:B:LYS:HE2	20	0.34
(1,1319)	1:92:A:GLY:H	1:96:A:LYS:HE3	1	0.34
(1,1319)	1:92:A:GLY:H	1:96:A:LYS:HE3	8	0.34
(1,1314)	1:58:B:LEU:HB3	1:62:B:LEU:HD12	6	0.34
(1,1313)	1:58:A:LEU:HB3	1:62:A:LEU:HD12	6	0.34
(1,1120)	1:70:B:VAL:HG13	1:74:B:GLU:HG3	13	0.34
(1,1119)	1:70:A:VAL:HG13	1:74:A:GLU:HG3	13	0.34
(1,1090)	1:91:B:GLU:HG3	1:91:B:GLU:HA	13	0.34
(1,1042)	1:52:B:GLU:HG3	1:53:B:ALA:H	4	0.34
(1,1041)	1:52:A:GLU:HG3	1:53:A:ALA:H	16	0.34
(1,950)	1:12:B:MET:HB2	1:9:A:LEU:HD13	9	0.34
(1,944)	1:59:B:MET:HG3	1:31:B:LYS:HE3	11	0.34
(1,943)	1:59:A:MET:HG3	1:31:A:LYS:HE3	11	0.34
(1,935)	1:98:A:PRO:HB3	1:101:A:LYS:HG3	14	0.34
(1,892)	1:31:B:LYS:HB2	1:30:B:ASN:HA	7	0.34
(1,891)	1:31:A:LYS:HB2	1:30:A:ASN:HA	7	0.34
(1,855)	1:26:A:LYS:HB3	1:21:A:GLY:HA2	17	0.34
(1,837)	1:34:A:LEU:HD21	1:59:A:MET:HB3	10	0.34
(1,822)	1:43:B:PRO:HB2	1:44:B:SER:HB2	6	0.34
(1,821)	1:43:A:PRO:HB2	1:44:A:SER:HB2	6	0.34
(1,742)	1:36:B:GLU:HB2	1:39:B:THR:HG21	18	0.34
(1,710)	1:22:B:LYS:HD3	1:37:B:LEU:HB2	8	0.34
(1,709)	1:22:A:LYS:HD3	1:37:A:LEU:HB2	8	0.34
(1,686)	1:100:B:LYS:HD3	1:101:B:LYS:HA	13	0.34
(1,685)	1:100:A:LYS:HD3	1:101:A:LYS:HA	13	0.34
(1,609)	1:37:A:LEU:HD21	1:41:A:GLU:HG2	13	0.34
(1,600)	1:37:B:LEU:HD21	1:34:B:LEU:HA	18	0.34
(1,599)	1:37:A:LEU:HD21	1:34:A:LEU:HA	18	0.34
(1,580)	1:29:B:LEU:HD22	1:70:B:VAL:H	11	0.34
(1,579)	1:29:A:LEU:HD22	1:70:A:VAL:H	11	0.34
(1,520)	1:42:B:LEU:HG	1:82:B:ILE:HD11	13	0.34
(1,519)	1:42:A:LEU:HG	1:82:A:ILE:HD11	13	0.34
(1,494)	1:34:B:LEU:H	1:34:B:LEU:HD21	5	0.34
(1,493)	1:34:A:LEU:H	1:34:A:LEU:HD21	5	0.34
(1,480)	1:79:B:LEU:HG	1:12:B:MET:HB2	9	0.34
(1,479)	1:79:A:LEU:HG	1:12:A:MET:HB2	9	0.34
(1,458)	1:58:B:LEU:HD21	1:62:B:LEU:HD11	5	0.34
(1,458)	1:58:B:LEU:HD21	1:62:B:LEU:HD11	14	0.34
(1,457)	1:58:A:LEU:HD21	1:62:A:LEU:HD11	14	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,410)	1:54:B:ALA:HB1	1:46:B:LEU:HD22	2	0.34
(1,409)	1:54:A:ALA:HB1	1:46:A:LEU:HD22	2	0.34
(1,408)	1:46:B:LEU:HD22	1:46:B:LEU:HB2	20	0.34
(1,407)	1:46:A:LEU:HD22	1:46:A:LEU:HB2	20	0.34
(1,392)	1:46:B:LEU:HD22	1:46:B:LEU:H	14	0.34
(1,392)	1:46:B:LEU:HD23	1:46:B:LEU:H	18	0.34
(1,391)	1:46:A:LEU:HD21	1:46:A:LEU:H	12	0.34
(1,391)	1:46:A:LEU:HD22	1:46:A:LEU:H	14	0.34
(1,391)	1:46:A:LEU:HD23	1:46:A:LEU:H	18	0.34
(1,338)	1:58:B:LEU:HD11	1:61:B:ASN:HB3	10	0.34
(1,337)	1:58:A:LEU:HD11	1:61:A:ASN:HB3	10	0.34
(1,314)	1:62:B:LEU:HD21	1:58:B:LEU:HD12	1	0.34
(1,262)	1:38:B:LEU:HD12	1:45:B:PHE:HA	13	0.34
(1,231)	1:13:A:VAL:HG22	1:84:B:MET:HA	3	0.34
(1,231)	1:13:A:VAL:HG22	1:84:B:MET:HA	11	0.34
(1,226)	1:71:B:ASP:H	1:70:B:VAL:HG22	2	0.34
(1,225)	1:71:A:ASP:H	1:70:A:VAL:HG22	2	0.34
(1,224)	1:70:B:VAL:HG22	1:29:B:LEU:H	11	0.34
(1,223)	1:70:A:VAL:HG22	1:29:A:LEU:H	11	0.34
(1,182)	1:50:B:THR:HG22	1:48:B:LYS:HB3	18	0.34
(1,158)	1:39:B:THR:HG23	1:35:B:LYS:HB3	14	0.34
(1,157)	1:39:A:THR:HG23	1:35:A:LYS:HB3	14	0.34
(1,148)	1:13:B:VAL:HG12	1:84:A:MET:HA	5	0.34
(1,147)	1:13:A:VAL:HG12	1:84:B:MET:HA	5	0.34
(1,84)	1:8:B:ALA:HB1	1:10:B:ASP:HB3	3	0.34
(1,84)	1:8:B:ALA:HB3	1:10:B:ASP:HB3	13	0.34
(1,83)	1:8:A:ALA:HB1	1:10:A:ASP:HB3	3	0.34
(1,83)	1:8:A:ALA:HB3	1:10:A:ASP:HB3	13	0.34
(1,49)	1:82:A:ILE:HG21	1:86:A:SER:HB3	15	0.34
(1,6)	1:7:B:LYS:HD2	1:44:A:SER:HA	10	0.34
(2,49)	1:69:A:GLU:HB2	1:30:A:ASN:HB2	1	0.33
(1,4616)	1:56:B:GLN:HE22	1:60:B:SER:HA	3	0.33
(1,4615)	1:56:A:GLN:HE22	1:60:A:SER:HA	3	0.33
(1,4599)	1:99:A:ARG:H	1:101:A:LYS:HE3	15	0.33
(1,4598)	1:62:B:LEU:H	1:70:B:VAL:HG22	18	0.33
(1,4597)	1:62:A:LEU:H	1:70:A:VAL:HG22	18	0.33
(1,4522)	1:80:B:SER:H	1:82:B:ILE:HG13	12	0.33
(1,4521)	1:80:A:SER:H	1:82:A:ILE:HG13	12	0.33
(1,4517)	1:20:A:SER:H	1:26:A:LYS:HD2	15	0.33
(1,4516)	1:20:B:SER:H	1:18:B:LYS:HB3	19	0.33
(1,4515)	1:20:A:SER:H	1:18:A:LYS:HB3	19	0.33
(1,4506)	1:32:B:SER:H	1:31:B:LYS:HE3	19	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4474)	1:85:B:MET:H	1:83:B:ALA:HB3	7	0.33
(1,4473)	1:85:A:MET:H	1:83:A:ALA:HB3	7	0.33
(1,4437)	1:38:A:LEU:H	1:39:A:THR:HG22	5	0.33
(1,4434)	1:38:B:LEU:H	1:55:B:PHE:HB3	1	0.33
(1,4433)	1:38:A:LEU:H	1:55:A:PHE:HB3	1	0.33
(1,4424)	1:35:B:LYS:H	1:29:B:LEU:HD12	14	0.33
(1,4396)	1:72:B:PHE:H	1:77:B:VAL:H	5	0.33
(1,4396)	1:72:B:PHE:H	1:77:B:VAL:H	11	0.33
(1,4395)	1:72:A:PHE:H	1:77:A:VAL:H	11	0.33
(1,4390)	1:76:B:SER:H	1:79:B:LEU:HD12	10	0.33
(1,4389)	1:76:A:SER:H	1:79:A:LEU:HD12	10	0.33
(1,4376)	1:95:B:ASP:H	1:96:B:LYS:HD3	15	0.33
(1,4375)	1:95:A:ASP:H	1:96:A:LYS:HD3	15	0.33
(1,4358)	1:67:B:ASP:H	1:66:B:ARG:HB2	14	0.33
(1,4357)	1:67:A:ASP:H	1:66:A:ARG:HB2	14	0.33
(1,4348)	1:16:B:PHE:H	1:37:B:LEU:HD11	12	0.33
(1,4315)	1:74:A:GLU:H	1:70:A:VAL:HG22	9	0.33
(1,4296)	1:64:B:SER:H	1:63:B:ASP:H	13	0.33
(1,4295)	1:64:A:SER:H	1:63:A:ASP:H	16	0.33
(1,4253)	1:77:A:VAL:H	1:62:A:LEU:HB3	18	0.33
(1,4248)	1:12:B:MET:H	1:11:B:VAL:HG13	2	0.33
(1,4248)	1:12:B:MET:H	1:11:B:VAL:HG12	11	0.33
(1,4248)	1:12:B:MET:H	1:11:B:VAL:HG11	14	0.33
(1,4247)	1:12:A:MET:H	1:11:A:VAL:HG12	11	0.33
(1,4247)	1:12:A:MET:H	1:11:A:VAL:HG11	14	0.33
(1,4198)	1:50:B:THR:HB	1:39:B:THR:H	18	0.33
(1,4197)	1:50:A:THR:HB	1:39:A:THR:H	18	0.33
(1,4165)	1:76:A:SER:HA	1:83:B:ALA:HB3	7	0.33
(1,4158)	1:32:B:SER:HB3	1:23:B:GLU:HG3	17	0.33
(1,4152)	1:55:B:PHE:HA	1:58:B:LEU:HD23	8	0.33
(1,4152)	1:55:B:PHE:HA	1:58:B:LEU:HD23	17	0.33
(1,4151)	1:55:A:PHE:HA	1:58:A:LEU:HD23	8	0.33
(1,4151)	1:55:A:PHE:HA	1:58:A:LEU:HD22	15	0.33
(1,4151)	1:55:A:PHE:HA	1:58:A:LEU:HD23	17	0.33
(1,4096)	1:62:B:LEU:HB3	1:78:B:PHE:HA	1	0.33
(1,4083)	1:61:A:ASN:HA	1:57:A:LYS:HA	17	0.33
(1,4062)	1:10:B:ASP:HA	1:82:A:ILE:HB	14	0.33
(1,4062)	1:10:B:ASP:HA	1:82:A:ILE:HB	15	0.33
(1,4062)	1:10:B:ASP:HA	1:82:A:ILE:HB	19	0.33
(1,4061)	1:10:A:ASP:HA	1:82:B:ILE:HB	19	0.33
(1,4004)	1:61:B:ASN:HA	1:64:B:SER:H	11	0.33
(1,4003)	1:61:A:ASN:HA	1:64:A:SER:H	11	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3980)	1:42:B:LEU:HA	1:6:A:GLU:HA	3	0.33
(1,3979)	1:42:A:LEU:HA	1:6:B:GLU:HA	3	0.33
(1,3972)	1:2:B:ALA:HA	1:11:A:VAL:HG12	12	0.33
(1,3971)	1:2:A:ALA:HA	1:11:B:VAL:HG12	12	0.33
(1,3964)	1:2:B:ALA:HA	1:15:A:THR:HA	4	0.33
(1,3918)	1:40:B:ARG:HD2	1:39:B:THR:HA	20	0.33
(1,3917)	1:40:A:ARG:HD2	1:39:A:THR:HA	20	0.33
(1,3870)	1:51:B:ASP:HB3	1:49:B:ARG:HD2	10	0.33
(1,3869)	1:51:A:ASP:HB3	1:49:A:ARG:HD2	10	0.33
(1,3854)	1:32:B:SER:H	1:31:B:LYS:HE3	19	0.33
(1,3849)	1:9:A:LEU:HB3	1:79:B:LEU:HD11	3	0.33
(1,3847)	1:9:A:LEU:HB2	1:79:B:LEU:HD13	9	0.33
(1,3840)	1:25:B:ASP:HB2	1:28:B:LYS:HG3	14	0.33
(1,3838)	1:34:B:LEU:HB2	1:38:B:LEU:HB2	20	0.33
(1,3837)	1:34:A:LEU:HB2	1:38:A:LEU:HB2	20	0.33
(1,3780)	1:87:B:ASN:HB2	1:88:B:GLU:HB2	8	0.33
(1,3779)	1:87:A:ASN:HB2	1:88:A:GLU:HB2	2	0.33
(1,3736)	1:94:B:PRO:HB2	1:88:B:GLU:HG3	6	0.33
(1,3692)	1:70:B:VAL:HB	1:71:B:ASP:HB3	2	0.33
(1,3692)	1:70:B:VAL:HB	1:71:B:ASP:HB3	14	0.33
(1,3692)	1:70:B:VAL:HB	1:71:B:ASP:HB3	17	0.33
(1,3692)	1:70:B:VAL:HB	1:71:B:ASP:HB3	19	0.33
(1,3691)	1:70:A:VAL:HB	1:71:A:ASP:HB3	2	0.33
(1,3691)	1:70:A:VAL:HB	1:71:A:ASP:HB3	14	0.33
(1,3691)	1:70:A:VAL:HB	1:71:A:ASP:HB3	17	0.33
(1,3691)	1:70:A:VAL:HB	1:71:A:ASP:HB3	19	0.33
(1,3663)	1:85:A:MET:HG2	1:82:A:ILE:HG13	18	0.33
(1,3600)	1:31:B:LYS:HD2	1:32:B:SER:HB2	17	0.33
(1,3599)	1:31:A:LYS:HD2	1:32:A:SER:HB2	17	0.33
(1,3582)	1:31:B:LYS:HD2	1:59:B:MET:HG3	13	0.33
(1,3581)	1:31:A:LYS:HD2	1:59:A:MET:HG3	13	0.33
(1,3566)	1:37:B:LEU:HG	1:19:B:TYR:HA	12	0.33
(1,3565)	1:37:A:LEU:HG	1:19:A:TYR:HA	12	0.33
(1,3542)	1:37:B:LEU:HD13	1:17:B:HIS:HA	11	0.33
(1,3541)	1:37:A:LEU:HD13	1:17:A:HIS:HA	11	0.33
(1,3522)	1:38:B:LEU:HD23	1:35:B:LYS:H	11	0.33
(1,3521)	1:38:A:LEU:HD23	1:35:A:LYS:H	11	0.33
(1,3461)	1:29:A:LEU:HD11	1:69:A:GLU:HA	12	0.33
(1,3458)	1:26:B:LYS:HG3	1:28:B:LYS:H	12	0.33
(1,3457)	1:26:A:LYS:HG3	1:28:A:LYS:H	12	0.33
(1,3434)	1:38:B:LEU:HD12	1:41:B:GLU:HB3	16	0.33
(1,3433)	1:38:A:LEU:HD12	1:41:A:GLU:HB3	16	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3404)	1:77:B:VAL:HG23	1:62:B:LEU:HB3	17	0.33
(1,3396)	1:11:B:VAL:HG23	1:10:B:ASP:HB3	20	0.33
(1,3395)	1:11:A:VAL:HG22	1:10:A:ASP:HB3	14	0.33
(1,3393)	1:77:A:VAL:HG21	1:74:A:GLU:HA	12	0.33
(1,3376)	1:50:B:THR:HG22	1:35:B:LYS:HB3	11	0.33
(1,3375)	1:50:A:THR:HG22	1:35:A:LYS:HB3	11	0.33
(1,3344)	1:77:B:VAL:HG13	1:84:A:MET:HG2	16	0.33
(1,3190)	1:39:B:THR:H	1:29:B:LEU:HD12	6	0.33
(1,3189)	1:39:A:THR:H	1:29:A:LEU:HD12	6	0.33
(1,3188)	1:39:B:THR:H	1:46:B:LEU:HD12	11	0.33
(1,3187)	1:39:A:THR:H	1:46:A:LEU:HD12	8	0.33
(1,3187)	1:39:A:THR:H	1:46:A:LEU:HD12	11	0.33
(1,3104)	1:65:B:ASN:HD21	1:69:B:GLU:HG3	3	0.33
(1,3082)	1:65:B:ASN:HD22	1:65:B:ASN:HA	7	0.33
(1,3082)	1:65:B:ASN:HD22	1:65:B:ASN:HA	11	0.33
(1,3081)	1:65:A:ASN:HD22	1:65:A:ASN:HA	7	0.33
(1,3046)	1:41:B:GLU:H	1:29:B:LEU:HD12	13	0.33
(1,2872)	1:14:B:SER:H	1:10:B:ASP:HB3	1	0.33
(1,2872)	1:14:B:SER:H	1:10:B:ASP:HB3	4	0.33
(1,2872)	1:14:B:SER:H	1:10:B:ASP:HB3	10	0.33
(1,2871)	1:14:A:SER:H	1:10:A:ASP:HB3	4	0.33
(1,2871)	1:14:A:SER:H	1:10:A:ASP:HB3	10	0.33
(1,2820)	1:40:B:ARG:H	1:46:B:LEU:HD11	6	0.33
(1,2820)	1:40:B:ARG:H	1:46:B:LEU:HD12	16	0.33
(1,2819)	1:40:A:ARG:H	1:46:A:LEU:HD11	6	0.33
(1,2786)	1:89:B:PHE:H	1:13:A:VAL:HG12	16	0.33
(1,2692)	1:72:B:PHE:H	1:28:B:LYS:HG3	7	0.33
(1,2691)	1:72:A:PHE:H	1:28:A:LYS:HG3	7	0.33
(1,2646)	1:10:B:ASP:H	1:9:B:LEU:HB3	10	0.33
(1,2646)	1:10:B:ASP:H	1:9:B:LEU:HB3	17	0.33
(1,2645)	1:10:A:ASP:H	1:9:A:LEU:HB3	10	0.33
(1,2645)	1:10:A:ASP:H	1:9:A:LEU:HB3	17	0.33
(1,2622)	1:55:B:PHE:H	1:50:B:THR:HG21	19	0.33
(1,2621)	1:55:A:PHE:H	1:50:A:THR:HG21	19	0.33
(1,2584)	1:16:B:PHE:H	1:29:B:LEU:HD12	4	0.33
(1,2546)	1:93:B:PHE:H	1:96:B:LYS:HE3	2	0.33
(1,2546)	1:93:B:PHE:H	1:96:B:LYS:HE2	3	0.33
(1,2510)	1:42:B:LEU:H	1:82:B:ILE:HD11	20	0.33
(1,2490)	1:96:B:LYS:H	1:96:B:LYS:HB3	5	0.33
(1,2489)	1:96:A:LYS:H	1:96:A:LYS:HB3	5	0.33
(1,2478)	1:87:B:ASN:H	1:13:A:VAL:HG21	7	0.33
(1,2394)	1:18:B:LYS:H	1:37:B:LEU:HD13	20	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2393)	1:18:A:LYS:H	1:37:A:LEU:HD11	3	0.33
(1,2393)	1:18:A:LYS:H	1:37:A:LEU:HD13	20	0.33
(1,2288)	1:3:B:SER:H	1:6:B:GLU:HA	12	0.33
(1,2287)	1:3:A:SER:H	1:6:A:GLU:HA	12	0.33
(1,2286)	1:3:B:SER:H	1:40:A:ARG:HA	7	0.33
(1,2286)	1:3:B:SER:H	1:40:A:ARG:HA	11	0.33
(1,2285)	1:3:A:SER:H	1:40:B:ARG:HA	11	0.33
(1,2216)	1:30:B:ASN:H	1:29:B:LEU:HD11	16	0.33
(1,2215)	1:30:A:ASN:H	1:29:A:LEU:HD11	16	0.33
(1,2210)	1:30:B:ASN:H	1:33:B:GLU:HB3	20	0.33
(1,2209)	1:30:A:ASN:H	1:33:A:GLU:HB3	20	0.33
(1,2134)	1:25:B:ASP:H	1:28:B:LYS:HG2	6	0.33
(1,2133)	1:25:A:ASP:H	1:28:A:LYS:HG2	6	0.33
(1,2086)	1:39:B:THR:HB	1:40:B:ARG:HD2	13	0.33
(1,2085)	1:39:A:THR:HB	1:40:A:ARG:HD2	13	0.33
(1,2075)	1:50:A:THR:HB	1:35:A:LYS:HE2	11	0.33
(1,2036)	1:43:B:PRO:HA	1:7:A:LYS:HD3	5	0.33
(1,2030)	1:43:B:PRO:HA	1:45:B:PHE:HB3	1	0.33
(1,2029)	1:43:A:PRO:HA	1:45:A:PHE:HB3	1	0.33
(1,2012)	1:94:B:PRO:HA	1:95:B:ASP:HB2	19	0.33
(1,1932)	1:32:B:SER:HA	1:31:B:LYS:HD3	10	0.33
(1,1821)	1:7:A:LYS:HA	1:7:A:LYS:HD3	7	0.33
(1,1725)	1:21:A:GLY:HA3	1:26:A:LYS:HA	8	0.33
(1,1647)	1:49:A:ARG:HD2	1:49:A:ARG:HA	7	0.33
(1,1596)	1:95:B:ASP:HA	1:96:B:LYS:HG3	17	0.33
(1,1595)	1:95:A:ASP:HA	1:96:A:LYS:HG3	17	0.33
(1,1595)	1:95:A:ASP:HA	1:96:A:LYS:HG2	18	0.33
(1,1562)	1:30:B:ASN:HA	1:31:B:LYS:HG2	11	0.33
(1,1561)	1:30:A:ASN:HA	1:31:A:LYS:HG2	11	0.33
(1,1452)	1:29:B:LEU:HB2	1:37:B:LEU:HB3	9	0.33
(1,1451)	1:29:A:LEU:HB2	1:37:A:LEU:HB3	9	0.33
(1,1448)	1:29:B:LEU:HB2	1:33:B:GLU:HB3	20	0.33
(1,1447)	1:29:A:LEU:HB2	1:33:A:GLU:HB3	20	0.33
(1,1412)	1:40:B:ARG:HD3	1:41:B:GLU:H	20	0.33
(1,1411)	1:40:A:ARG:HD2	1:41:A:GLU:H	20	0.33
(1,1338)	1:71:B:ASP:HB2	1:75:B:TYR:HB3	7	0.33
(1,1337)	1:71:A:ASP:HB2	1:75:A:TYR:HB3	7	0.33
(1,1320)	1:92:B:GLY:H	1:96:B:LYS:HE3	14	0.33
(1,1319)	1:92:A:GLY:H	1:96:A:LYS:HE3	14	0.33
(1,1266)	1:79:B:LEU:HB2	1:9:A:LEU:HD13	14	0.33
(1,1218)	1:57:B:LYS:HE2	1:54:B:ALA:H	13	0.33
(1,1089)	1:91:A:GLU:HG3	1:91:A:GLU:HA	13	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1077)	1:52:A:GLU:HG2	1:53:A:ALA:HB1	15	0.33
(1,1075)	1:31:A:LYS:HD2	1:52:A:GLU:HG2	8	0.33
(1,1042)	1:52:B:GLU:HG3	1:53:B:ALA:H	16	0.33
(1,1042)	1:52:B:GLU:HG3	1:53:B:ALA:H	19	0.33
(1,1041)	1:52:A:GLU:HG3	1:53:A:ALA:H	4	0.33
(1,950)	1:12:B:MET:HB2	1:9:A:LEU:HD12	2	0.33
(1,950)	1:12:B:MET:HB2	1:9:A:LEU:HD11	10	0.33
(1,949)	1:12:A:MET:HB2	1:9:B:LEU:HD13	9	0.33
(1,949)	1:12:A:MET:HB2	1:9:B:LEU:HD11	10	0.33
(1,949)	1:12:A:MET:HB2	1:9:B:LEU:HD13	13	0.33
(1,936)	1:98:B:PRO:HB3	1:101:B:LYS:HG3	14	0.33
(1,910)	1:94:B:PRO:HB3	1:96:B:LYS:HG3	16	0.33
(1,909)	1:94:A:PRO:HB3	1:96:A:LYS:HG3	16	0.33
(1,892)	1:31:B:LYS:HB2	1:30:B:ASN:HA	14	0.33
(1,891)	1:31:A:LYS:HB2	1:30:A:ASN:HA	14	0.33
(1,822)	1:43:B:PRO:HB2	1:44:B:SER:HB2	14	0.33
(1,821)	1:43:A:PRO:HB2	1:44:A:SER:HB2	14	0.33
(1,741)	1:36:A:GLU:HB2	1:39:A:THR:HG21	18	0.33
(1,728)	1:26:B:LYS:HD3	1:22:B:LYS:HA	18	0.33
(1,728)	1:26:B:LYS:HD3	1:22:B:LYS:HA	19	0.33
(1,727)	1:26:A:LYS:HD3	1:22:A:LYS:HA	18	0.33
(1,727)	1:26:A:LYS:HD3	1:22:A:LYS:HA	19	0.33
(1,631)	1:40:A:ARG:HG2	1:41:A:GLU:H	16	0.33
(1,523)	1:42:A:LEU:HD13	1:41:A:GLU:HA	17	0.33
(1,520)	1:42:B:LEU:HG	1:82:B:ILE:HD13	3	0.33
(1,519)	1:42:A:LEU:HG	1:82:A:ILE:HD13	3	0.33
(1,494)	1:34:B:LEU:H	1:34:B:LEU:HD21	2	0.33
(1,493)	1:34:A:LEU:H	1:34:A:LEU:HD21	2	0.33
(1,457)	1:58:A:LEU:HD22	1:62:A:LEU:HD13	2	0.33
(1,398)	1:7:B:LYS:HG3	1:7:B:LYS:HA	8	0.33
(1,397)	1:7:A:LYS:HG3	1:7:A:LYS:HA	8	0.33
(1,392)	1:46:B:LEU:HD22	1:46:B:LEU:H	10	0.33
(1,392)	1:46:B:LEU:HD21	1:46:B:LEU:H	12	0.33
(1,391)	1:46:A:LEU:HD22	1:46:A:LEU:H	10	0.33
(1,366)	1:96:B:LYS:HG2	1:91:B:GLU:H	12	0.33
(1,365)	1:96:A:LYS:HG2	1:91:A:GLU:H	12	0.33
(1,262)	1:38:B:LEU:HD12	1:45:B:PHE:HA	6	0.33
(1,261)	1:38:A:LEU:HD12	1:45:A:PHE:HA	6	0.33
(1,232)	1:13:B:VAL:HG22	1:84:A:MET:HA	3	0.33
(1,226)	1:71:B:ASP:H	1:70:B:VAL:HG22	8	0.33
(1,225)	1:71:A:ASP:H	1:70:A:VAL:HG22	8	0.33
(1,182)	1:50:B:THR:HG21	1:48:B:LYS:HB3	10	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,181)	1:50:A:THR:HG21	1:48:A:LYS:HB3	10	0.33
(1,58)	1:82:B:ILE:HG22	1:85:B:MET:HG3	11	0.33
(1,57)	1:82:A:ILE:HG22	1:85:A:MET:HG3	11	0.33
(1,50)	1:82:B:ILE:HG21	1:86:B:SER:HB3	15	0.33
(1,28)	1:83:B:ALA:H	1:82:B:ILE:HD13	13	0.33
(1,27)	1:83:A:ALA:H	1:82:A:ILE:HD13	13	0.33
(1,6)	1:7:B:LYS:HD2	1:44:A:SER:HA	3	0.33
(1,6)	1:7:B:LYS:HD2	1:44:A:SER:HA	16	0.33
(1,5)	1:7:A:LYS:HD2	1:44:B:SER:HA	3	0.33
(1,5)	1:7:A:LYS:HD2	1:44:B:SER:HA	7	0.33
(1,5)	1:7:A:LYS:HD2	1:44:B:SER:HA	16	0.33
(2,228)	1:9:B:LEU:H	1:5:B:LEU:HB2	9	0.32
(2,227)	1:9:A:LEU:H	1:5:A:LEU:HB2	9	0.32
(2,195)	1:22:A:LYS:H	1:19:A:TYR:HB2	2	0.32
(2,78)	1:49:B:ARG:HD2	1:46:B:LEU:HA	20	0.32
(2,77)	1:49:A:ARG:HD2	1:46:A:LEU:HA	20	0.32
(1,4616)	1:56:B:GLN:HE22	1:60:B:SER:HA	9	0.32
(1,4615)	1:56:A:GLN:HE22	1:60:A:SER:HA	9	0.32
(1,4608)	1:81:B:SER:H	1:76:B:SER:H	6	0.32
(1,4607)	1:81:A:SER:H	1:76:A:SER:H	6	0.32
(1,4598)	1:81:B:SER:H	1:82:B:ILE:HG13	6	0.32
(1,4518)	1:20:B:SER:H	1:26:B:LYS:HD2	15	0.32
(1,4510)	1:32:B:SER:H	1:34:B:LEU:HD22	1	0.32
(1,4509)	1:32:A:SER:H	1:34:A:LEU:HD22	1	0.32
(1,4505)	1:32:A:SER:H	1:31:A:LYS:HE3	19	0.32
(1,4502)	1:87:B:ASN:HD21	1:89:B:PHE:HA	6	0.32
(1,4501)	1:87:A:ASN:HD21	1:89:A:PHE:HA	6	0.32
(1,4490)	1:17:B:HIS:H	1:13:B:VAL:HG21	14	0.32
(1,4490)	1:17:B:HIS:H	1:13:B:VAL:HG21	18	0.32
(1,4489)	1:17:A:HIS:H	1:13:A:VAL:HG21	18	0.32
(1,4488)	1:17:B:HIS:H	1:26:B:LYS:HD2	7	0.32
(1,4487)	1:17:A:HIS:H	1:26:A:LYS:HD2	7	0.32
(1,4473)	1:85:A:MET:H	1:83:A:ALA:HB3	18	0.32
(1,4461)	1:31:A:LYS:H	1:59:A:MET:HG3	6	0.32
(1,4424)	1:35:B:LYS:H	1:29:B:LEU:HD13	20	0.32
(1,4423)	1:35:A:LYS:H	1:29:A:LEU:HD12	14	0.32
(1,4423)	1:35:A:LYS:H	1:29:A:LEU:HD13	20	0.32
(1,4396)	1:72:B:PHE:H	1:77:B:VAL:H	4	0.32
(1,4395)	1:72:A:PHE:H	1:77:A:VAL:H	4	0.32
(1,4395)	1:72:A:PHE:H	1:77:A:VAL:H	5	0.32
(1,4386)	1:76:B:SER:H	1:77:B:VAL:HG23	5	0.32
(1,4385)	1:76:A:SER:H	1:77:A:VAL:HG23	5	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4376)	1:95:B:ASP:H	1:96:B:LYS:HD2	13	0.32
(1,4376)	1:95:B:ASP:H	1:96:B:LYS:HD3	18	0.32
(1,4375)	1:95:A:ASP:H	1:96:A:LYS:HD3	18	0.32
(1,4366)	1:9:B:LEU:H	1:79:A:LEU:HD13	12	0.32
(1,4366)	1:9:B:LEU:H	1:79:A:LEU:HD13	16	0.32
(1,4365)	1:9:A:LEU:H	1:79:B:LEU:HD13	16	0.32
(1,4348)	1:16:B:PHE:H	1:37:B:LEU:HD12	14	0.32
(1,4347)	1:16:A:PHE:H	1:37:A:LEU:HD11	12	0.32
(1,4347)	1:16:A:PHE:H	1:37:A:LEU:HD12	14	0.32
(1,4316)	1:74:B:GLU:H	1:70:B:VAL:HG22	9	0.32
(1,4296)	1:64:B:SER:H	1:63:B:ASP:H	15	0.32
(1,4296)	1:64:B:SER:H	1:63:B:ASP:H	16	0.32
(1,4295)	1:64:A:SER:H	1:63:A:ASP:H	15	0.32
(1,4258)	1:30:B:ASN:H	1:28:B:LYS:HD2	11	0.32
(1,4257)	1:30:A:ASN:H	1:28:A:LYS:HD2	11	0.32
(1,4248)	1:12:B:MET:H	1:11:B:VAL:HG13	5	0.32
(1,4248)	1:12:B:MET:H	1:11:B:VAL:HG11	9	0.32
(1,4248)	1:12:B:MET:H	1:11:B:VAL:HG12	16	0.32
(1,4248)	1:12:B:MET:H	1:11:B:VAL:HG11	18	0.32
(1,4248)	1:12:B:MET:H	1:11:B:VAL:HG13	19	0.32
(1,4247)	1:12:A:MET:H	1:11:A:VAL:HG13	5	0.32
(1,4247)	1:12:A:MET:H	1:11:A:VAL:HG11	9	0.32
(1,4247)	1:12:A:MET:H	1:11:A:VAL:HG12	16	0.32
(1,4247)	1:12:A:MET:H	1:11:A:VAL:HG11	18	0.32
(1,4216)	1:71:B:ASP:H	1:73:B:GLN:HE21	1	0.32
(1,4215)	1:71:A:ASP:H	1:73:A:GLN:HE21	1	0.32
(1,4168)	1:76:B:SER:HB3	1:79:B:LEU:HB3	4	0.32
(1,4167)	1:76:A:SER:HB3	1:79:A:LEU:HB3	4	0.32
(1,4166)	1:76:B:SER:HA	1:83:A:ALA:HB1	16	0.32
(1,4157)	1:32:A:SER:HB3	1:23:A:GLU:HG3	17	0.32
(1,4152)	1:55:B:PHE:HA	1:58:B:LEU:HD22	15	0.32
(1,4095)	1:62:A:LEU:HB3	1:78:A:PHE:HA	1	0.32
(1,4070)	1:17:B:HIS:HA	1:26:B:LYS:HG2	6	0.32
(1,4069)	1:17:A:HIS:HA	1:26:A:LYS:HG2	6	0.32
(1,4062)	1:10:B:ASP:HA	1:82:A:ILE:HB	11	0.32
(1,4042)	1:99:B:ARG:HA	1:98:B:PRO:HB3	8	0.32
(1,4041)	1:99:A:ARG:HA	1:98:A:PRO:HB3	8	0.32
(1,3994)	1:42:B:LEU:HA	1:45:B:PHE:HA	12	0.32
(1,3994)	1:42:B:LEU:HA	1:45:B:PHE:HA	14	0.32
(1,3993)	1:42:A:LEU:HA	1:45:A:PHE:HA	12	0.32
(1,3993)	1:42:A:LEU:HA	1:45:A:PHE:HA	14	0.32
(1,3976)	1:42:B:LEU:HA	1:40:B:ARG:H	3	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3975)	1:42:A:LEU:HA	1:40:A:ARG:H	3	0.32
(1,3971)	1:2:A:ALA:HA	1:11:B:VAL:HG11	18	0.32
(1,3949)	1:21:A:GLY:HA3	1:22:A:LYS:HD3	10	0.32
(1,3946)	1:42:B:LEU:HB2	1:79:B:LEU:HD21	17	0.32
(1,3945)	1:42:A:LEU:HB2	1:79:A:LEU:HD21	17	0.32
(1,3944)	1:42:B:LEU:HB3	1:79:B:LEU:HD22	2	0.32
(1,3943)	1:42:A:LEU:HB3	1:79:A:LEU:HD22	2	0.32
(1,3853)	1:32:A:SER:H	1:31:A:LYS:HE3	19	0.32
(1,3850)	1:9:B:LEU:HB3	1:79:A:LEU:HD11	3	0.32
(1,3848)	1:9:B:LEU:HB2	1:79:A:LEU:HD13	9	0.32
(1,3816)	1:79:B:LEU:HB3	1:80:B:SER:HB3	8	0.32
(1,3815)	1:79:A:LEU:HB3	1:80:A:SER:HB3	8	0.32
(1,3814)	1:28:B:LYS:HB3	1:70:B:VAL:HG22	4	0.32
(1,3813)	1:28:A:LYS:HB3	1:70:A:VAL:HG22	4	0.32
(1,3780)	1:87:B:ASN:HB2	1:88:B:GLU:HB2	2	0.32
(1,3766)	1:87:B:ASN:HB3	1:89:B:PHE:HB3	14	0.32
(1,3765)	1:87:A:ASN:HB3	1:89:A:PHE:HB3	14	0.32
(1,3760)	1:27:B:PHE:HB2	1:96:A:LYS:H	12	0.32
(1,3692)	1:70:B:VAL:HB	1:71:B:ASP:HB3	1	0.32
(1,3691)	1:70:A:VAL:HB	1:71:A:ASP:HB3	1	0.32
(1,3664)	1:85:B:MET:HG2	1:82:B:ILE:HG13	2	0.32
(1,3664)	1:85:B:MET:HG2	1:82:B:ILE:HG13	4	0.32
(1,3664)	1:85:B:MET:HG2	1:82:B:ILE:HG13	11	0.32
(1,3663)	1:85:A:MET:HG2	1:82:A:ILE:HG13	2	0.32
(1,3663)	1:85:A:MET:HG2	1:82:A:ILE:HG13	11	0.32
(1,3658)	1:31:B:LYS:HB2	1:31:B:LYS:HB3	2	0.32
(1,3658)	1:31:B:LYS:HB2	1:31:B:LYS:HB3	3	0.32
(1,3658)	1:31:B:LYS:HB2	1:31:B:LYS:HB3	4	0.32
(1,3658)	1:57:B:LYS:HB2	1:57:B:LYS:HB3	5	0.32
(1,3658)	1:57:B:LYS:HB2	1:57:B:LYS:HB3	6	0.32
(1,3658)	1:31:B:LYS:HB2	1:31:B:LYS:HB3	7	0.32
(1,3658)	1:57:B:LYS:HB2	1:57:B:LYS:HB3	8	0.32
(1,3658)	1:18:B:LYS:HB2	1:18:B:LYS:HB3	9	0.32
(1,3658)	1:31:B:LYS:HB2	1:31:B:LYS:HB3	10	0.32
(1,3658)	1:18:B:LYS:HB2	1:18:B:LYS:HB3	11	0.32
(1,3658)	1:18:B:LYS:HB2	1:18:B:LYS:HB3	13	0.32
(1,3658)	1:31:B:LYS:HB2	1:31:B:LYS:HB3	14	0.32
(1,3658)	1:57:B:LYS:HB2	1:57:B:LYS:HB3	15	0.32
(1,3658)	1:31:B:LYS:HB2	1:31:B:LYS:HB3	16	0.32
(1,3658)	1:31:B:LYS:HB2	1:31:B:LYS:HB3	17	0.32
(1,3658)	1:31:B:LYS:HB2	1:31:B:LYS:HB3	18	0.32
(1,3658)	1:31:B:LYS:HB2	1:31:B:LYS:HB3	19	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3658)	1:31:B:LYS:HB2	1:31:B:LYS:HB3	20	0.32
(1,3657)	1:31:A:LYS:HB2	1:31:A:LYS:HB3	2	0.32
(1,3657)	1:31:A:LYS:HB2	1:31:A:LYS:HB3	3	0.32
(1,3657)	1:31:A:LYS:HB2	1:31:A:LYS:HB3	4	0.32
(1,3657)	1:31:A:LYS:HB2	1:31:A:LYS:HB3	5	0.32
(1,3657)	1:18:A:LYS:HB2	1:18:A:LYS:HB3	6	0.32
(1,3657)	1:31:A:LYS:HB2	1:31:A:LYS:HB3	7	0.32
(1,3657)	1:57:A:LYS:HB2	1:57:A:LYS:HB3	8	0.32
(1,3657)	1:18:A:LYS:HB2	1:18:A:LYS:HB3	9	0.32
(1,3657)	1:31:A:LYS:HB2	1:31:A:LYS:HB3	10	0.32
(1,3657)	1:18:A:LYS:HB2	1:18:A:LYS:HB3	11	0.32
(1,3657)	1:18:A:LYS:HB2	1:18:A:LYS:HB3	13	0.32
(1,3657)	1:31:A:LYS:HB2	1:31:A:LYS:HB3	14	0.32
(1,3657)	1:31:A:LYS:HB2	1:31:A:LYS:HB3	15	0.32
(1,3657)	1:31:A:LYS:HB2	1:31:A:LYS:HB3	16	0.32
(1,3657)	1:31:A:LYS:HB2	1:31:A:LYS:HB3	17	0.32
(1,3657)	1:31:A:LYS:HB2	1:31:A:LYS:HB3	19	0.32
(1,3657)	1:31:A:LYS:HB2	1:31:A:LYS:HB3	20	0.32
(1,3653)	1:85:A:MET:HG2	1:82:A:ILE:HG12	9	0.32
(1,3632)	1:43:B:PRO:HB2	1:42:B:LEU:HB3	13	0.32
(1,3631)	1:43:A:PRO:HB2	1:42:A:LEU:HB3	13	0.32
(1,3528)	1:5:B:LEU:HG	1:10:B:ASP:H	7	0.32
(1,3527)	1:5:A:LEU:HG	1:10:A:ASP:H	7	0.32
(1,3494)	1:79:B:LEU:HD23	1:15:B:THR:HB	5	0.32
(1,3493)	1:79:A:LEU:HD23	1:15:A:THR:HB	5	0.32
(1,3492)	1:81:B:SER:H	1:79:B:LEU:HD22	14	0.32
(1,3491)	1:81:A:SER:H	1:79:A:LEU:HD22	14	0.32
(1,3462)	1:29:B:LEU:HD11	1:69:B:GLU:HA	12	0.32
(1,3412)	1:11:B:VAL:HG11	1:11:B:VAL:HG21	8	0.32
(1,3411)	1:11:A:VAL:HG11	1:11:A:VAL:HG21	8	0.32
(1,3411)	1:13:A:VAL:HG12	1:13:A:VAL:HG23	15	0.32
(1,3404)	1:77:B:VAL:HG22	1:83:A:ALA:HB2	3	0.32
(1,3403)	1:77:A:VAL:HG23	1:62:A:LEU:HB3	17	0.32
(1,3396)	1:11:B:VAL:HG21	1:10:B:ASP:HB3	9	0.32
(1,3396)	1:11:B:VAL:HG22	1:10:B:ASP:HB3	14	0.32
(1,3395)	1:11:A:VAL:HG22	1:10:A:ASP:HB3	1	0.32
(1,3395)	1:11:A:VAL:HG22	1:10:A:ASP:HB3	16	0.32
(1,3394)	1:77:B:VAL:HG21	1:74:B:GLU:HA	12	0.32
(1,3343)	1:77:A:VAL:HG13	1:84:B:MET:HG2	16	0.32
(1,3311)	1:82:A:ILE:HD13	1:10:B:ASP:HB2	2	0.32
(1,3304)	1:9:B:LEU:HD11	1:15:A:THR:HB	10	0.32
(1,3304)	1:9:B:LEU:HD13	1:15:A:THR:HB	13	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3303)	1:9:A:LEU:HD11	1:15:B:THR:HB	10	0.32
(1,3238)	1:99:B:ARG:H	1:99:B:ARG:HB2	15	0.32
(1,3237)	1:99:A:ARG:H	1:99:A:ARG:HB2	15	0.32
(1,3188)	1:39:B:THR:H	1:46:B:LEU:HD12	2	0.32
(1,3187)	1:39:A:THR:H	1:46:A:LEU:HD12	2	0.32
(1,3103)	1:65:A:ASN:HD21	1:69:A:GLU:HG3	3	0.32
(1,3082)	1:65:B:ASN:HD22	1:65:B:ASN:HA	16	0.32
(1,3081)	1:65:A:ASN:HD22	1:65:A:ASN:HA	16	0.32
(1,2960)	1:28:B:LYS:H	1:26:B:LYS:HD2	6	0.32
(1,2959)	1:28:A:LYS:H	1:26:A:LYS:HD2	6	0.32
(1,2912)	1:44:B:SER:H	1:42:B:LEU:HD22	19	0.32
(1,2911)	1:44:A:SER:H	1:42:A:LEU:HD22	19	0.32
(1,2871)	1:14:A:SER:H	1:10:A:ASP:HB3	3	0.32
(1,2819)	1:40:A:ARG:H	1:46:A:LEU:HD12	16	0.32
(1,2785)	1:89:A:PHE:H	1:13:B:VAL:HG12	1	0.32
(1,2649)	1:10:A:ASP:H	1:82:B:ILE:HD13	20	0.32
(1,2583)	1:16:A:PHE:H	1:29:A:LEU:HD12	4	0.32
(1,2545)	1:93:A:PHE:H	1:96:A:LYS:HE3	2	0.32
(1,2477)	1:87:A:ASN:H	1:13:B:VAL:HG21	7	0.32
(1,2416)	1:52:B:GLU:H	1:53:B:ALA:HB2	16	0.32
(1,2394)	1:18:B:LYS:H	1:37:B:LEU:HD11	3	0.32
(1,2388)	1:18:B:LYS:H	1:18:B:LYS:HE2	19	0.32
(1,2387)	1:18:A:LYS:H	1:18:A:LYS:HE2	19	0.32
(1,2324)	1:78:B:PHE:H	1:82:B:ILE:HD13	18	0.32
(1,2323)	1:78:A:PHE:H	1:82:A:ILE:HD13	18	0.32
(1,2305)	1:45:A:PHE:H	1:42:A:LEU:HD22	10	0.32
(1,2286)	1:3:B:SER:H	1:40:A:ARG:HA	12	0.32
(1,2285)	1:3:A:SER:H	1:40:B:ARG:HA	14	0.32
(1,2234)	1:33:B:GLU:H	1:22:B:LYS:HE3	5	0.32
(1,2233)	1:33:A:GLU:H	1:22:A:LYS:HE3	5	0.32
(1,2216)	1:30:B:ASN:H	1:29:B:LEU:HD11	20	0.32
(1,2215)	1:30:A:ASN:H	1:29:A:LEU:HD11	20	0.32
(1,2092)	1:26:B:LYS:H	1:21:B:GLY:HA3	1	0.32
(1,2091)	1:26:A:LYS:H	1:21:A:GLY:HA3	1	0.32
(1,2086)	1:39:B:THR:HB	1:40:B:ARG:HD2	11	0.32
(1,2085)	1:39:A:THR:HB	1:40:A:ARG:HD2	11	0.32
(1,2084)	1:39:B:THR:HB	1:43:B:PRO:HD3	19	0.32
(1,2083)	1:39:A:THR:HB	1:43:A:PRO:HD3	19	0.32
(1,2076)	1:50:B:THR:HB	1:35:B:LYS:HE2	18	0.32
(1,2056)	1:77:B:VAL:HA	1:73:B:GLN:HG2	3	0.32
(1,2035)	1:43:A:PRO:HA	1:7:B:LYS:HD3	5	0.32
(1,2011)	1:94:A:PRO:HA	1:95:A:ASP:HB2	19	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2003)	1:98:A:PRO:HA	1:101:A:LYS:HG3	10	0.32
(1,1991)	1:60:A:SER:HB2	1:66:A:ARG:HD3	12	0.32
(1,1726)	1:21:B:GLY:HA3	1:26:B:LYS:HA	8	0.32
(1,1596)	1:95:B:ASP:HA	1:96:B:LYS:HG2	18	0.32
(1,1584)	1:42:B:LEU:HA	1:82:B:ILE:HD13	15	0.32
(1,1583)	1:42:A:LEU:HA	1:82:A:ILE:HD11	8	0.32
(1,1583)	1:42:A:LEU:HA	1:82:A:ILE:HD13	15	0.32
(1,1492)	1:42:B:LEU:HB3	1:37:B:LEU:HD23	15	0.32
(1,1491)	1:42:A:LEU:HB3	1:37:A:LEU:HD23	15	0.32
(1,1486)	1:42:B:LEU:HB3	1:41:B:GLU:HB3	11	0.32
(1,1485)	1:42:A:LEU:HB3	1:41:A:GLU:HB3	11	0.32
(1,1436)	1:99:B:ARG:HD3	1:98:B:PRO:HA	14	0.32
(1,1435)	1:99:A:ARG:HD3	1:98:A:PRO:HA	14	0.32
(1,1412)	1:40:B:ARG:HD2	1:41:B:GLU:H	16	0.32
(1,1411)	1:40:A:ARG:HD2	1:41:A:GLU:H	16	0.32
(1,1314)	1:58:B:LEU:HB3	1:62:B:LEU:HD11	3	0.32
(1,1313)	1:58:A:LEU:HB3	1:62:A:LEU:HD11	3	0.32
(1,1278)	1:10:B:ASP:HB3	1:12:B:MET:H	14	0.32
(1,1277)	1:10:A:ASP:HB3	1:12:A:MET:H	14	0.32
(1,1265)	1:79:A:LEU:HB2	1:9:B:LEU:HD13	14	0.32
(1,1218)	1:57:B:LYS:HE2	1:54:B:ALA:H	2	0.32
(1,1218)	1:57:B:LYS:HE2	1:54:B:ALA:H	15	0.32
(1,1217)	1:57:A:LYS:HE2	1:54:A:ALA:H	13	0.32
(1,1217)	1:57:A:LYS:HE2	1:54:A:ALA:H	15	0.32
(1,1190)	1:28:B:LYS:HB2	1:26:B:LYS:HA	11	0.32
(1,1190)	1:28:B:LYS:HB2	1:26:B:LYS:HA	13	0.32
(1,1189)	1:28:A:LYS:HB2	1:26:A:LYS:HA	11	0.32
(1,1189)	1:28:A:LYS:HB2	1:26:A:LYS:HA	13	0.32
(1,1090)	1:91:B:GLU:HG3	1:91:B:GLU:HA	5	0.32
(1,1090)	1:91:B:GLU:HG3	1:91:B:GLU:HA	8	0.32
(1,1089)	1:91:A:GLU:HG3	1:91:A:GLU:HA	5	0.32
(1,1089)	1:91:A:GLU:HG3	1:91:A:GLU:HA	8	0.32
(1,1078)	1:52:B:GLU:HG2	1:53:B:ALA:HB1	15	0.32
(1,1076)	1:31:B:LYS:HD2	1:52:B:GLU:HG2	8	0.32
(1,1048)	1:23:B:GLU:HG2	1:33:B:GLU:HG3	10	0.32
(1,1042)	1:52:B:GLU:HG3	1:53:B:ALA:H	14	0.32
(1,1041)	1:52:A:GLU:HG3	1:53:A:ALA:H	14	0.32
(1,1041)	1:52:A:GLU:HG3	1:53:A:ALA:H	19	0.32
(1,949)	1:12:A:MET:HB2	1:9:B:LEU:HD12	2	0.32
(1,892)	1:31:B:LYS:HB2	1:30:B:ASN:HA	1	0.32
(1,891)	1:31:A:LYS:HB2	1:30:A:ASN:HA	1	0.32
(1,891)	1:31:A:LYS:HB2	1:30:A:ASN:HA	9	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,856)	1:26:B:LYS:HB3	1:21:B:GLY:HA2	16	0.32
(1,855)	1:26:A:LYS:HB3	1:21:A:GLY:HA2	16	0.32
(1,756)	1:31:B:LYS:HD3	1:56:B:GLN:HE21	12	0.32
(1,728)	1:26:B:LYS:HD3	1:22:B:LYS:HA	12	0.32
(1,727)	1:26:A:LYS:HD3	1:22:A:LYS:HA	12	0.32
(1,710)	1:22:B:LYS:HD3	1:37:B:LEU:HB2	1	0.32
(1,710)	1:22:B:LYS:HD3	1:37:B:LEU:HB2	19	0.32
(1,709)	1:22:A:LYS:HD3	1:37:A:LEU:HB2	1	0.32
(1,709)	1:22:A:LYS:HD3	1:37:A:LEU:HB2	2	0.32
(1,709)	1:22:A:LYS:HD3	1:37:A:LEU:HB2	19	0.32
(1,632)	1:40:B:ARG:HG2	1:41:B:GLU:H	7	0.32
(1,632)	1:40:B:ARG:HG2	1:41:B:GLU:H	16	0.32
(1,631)	1:40:A:ARG:HG2	1:41:A:GLU:H	4	0.32
(1,631)	1:40:A:ARG:HG2	1:41:A:GLU:H	7	0.32
(1,608)	1:37:B:LEU:HD12	1:18:B:LYS:HE3	16	0.32
(1,600)	1:37:B:LEU:HD23	1:34:B:LEU:HA	9	0.32
(1,580)	1:29:B:LEU:HD23	1:70:B:VAL:H	4	0.32
(1,579)	1:29:A:LEU:HD23	1:70:A:VAL:H	4	0.32
(1,534)	1:38:B:LEU:HD22	1:62:B:LEU:HD13	2	0.32
(1,533)	1:38:A:LEU:HD22	1:62:A:LEU:HD13	2	0.32
(1,524)	1:42:B:LEU:HD13	1:41:B:GLU:HA	15	0.32
(1,524)	1:42:B:LEU:HD13	1:41:B:GLU:HA	17	0.32
(1,523)	1:42:A:LEU:HD12	1:41:A:GLU:HA	3	0.32
(1,523)	1:42:A:LEU:HD13	1:41:A:GLU:HA	15	0.32
(1,508)	1:34:B:LEU:HD22	1:59:B:MET:HG2	19	0.32
(1,507)	1:34:A:LEU:HD22	1:59:A:MET:HG2	19	0.32
(1,482)	1:79:B:LEU:HD21	1:12:B:MET:HB2	15	0.32
(1,481)	1:79:A:LEU:HD21	1:12:A:MET:HB2	15	0.32
(1,458)	1:58:B:LEU:HD22	1:62:B:LEU:HD13	2	0.32
(1,458)	1:58:B:LEU:HD22	1:62:B:LEU:HD11	8	0.32
(1,458)	1:58:B:LEU:HD21	1:62:B:LEU:HD13	13	0.32
(1,457)	1:58:A:LEU:HD22	1:62:A:LEU:HD11	8	0.32
(1,457)	1:58:A:LEU:HD21	1:62:A:LEU:HD13	13	0.32
(1,454)	1:5:B:LEU:HD22	1:9:B:LEU:HD21	11	0.32
(1,454)	1:5:B:LEU:HD21	1:9:B:LEU:HD21	13	0.32
(1,453)	1:5:A:LEU:HD22	1:9:A:LEU:HD21	11	0.32
(1,453)	1:5:A:LEU:HD21	1:9:A:LEU:HD21	13	0.32
(1,412)	1:39:B:THR:HG21	1:46:B:LEU:HD23	14	0.32
(1,411)	1:39:A:THR:HG21	1:46:A:LEU:HD23	14	0.32
(1,410)	1:54:B:ALA:HB1	1:46:B:LEU:HD21	10	0.32
(1,409)	1:54:A:ALA:HB1	1:46:A:LEU:HD21	10	0.32
(1,408)	1:46:B:LEU:HD22	1:46:B:LEU:HB2	10	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,407)	1:46:A:LEU:HD22	1:46:A:LEU:HB2	10	0.32
(1,401)	1:31:A:LYS:HG2	1:59:A:MET:HG3	4	0.32
(1,314)	1:62:B:LEU:HD22	1:58:B:LEU:HD12	3	0.32
(1,313)	1:62:A:LEU:HD22	1:58:A:LEU:HD12	3	0.32
(1,300)	1:38:B:LEU:HD12	1:45:B:PHE:HB3	1	0.32
(1,299)	1:38:A:LEU:HD12	1:45:A:PHE:HB3	1	0.32
(1,206)	1:34:B:LEU:HD11	1:38:B:LEU:H	6	0.32
(1,205)	1:34:A:LEU:HD11	1:38:A:LEU:H	6	0.32
(1,144)	1:12:B:MET:H	1:11:B:VAL:HG11	20	0.32
(1,143)	1:12:A:MET:H	1:11:A:VAL:HG11	20	0.32
(1,94)	1:54:B:ALA:HB1	1:46:B:LEU:HB3	1	0.32
(1,93)	1:54:A:ALA:HB1	1:46:A:LEU:HB3	1	0.32
(1,58)	1:82:B:ILE:HG23	1:85:B:MET:HG3	9	0.32
(1,57)	1:82:A:ILE:HG23	1:85:A:MET:HG3	9	0.32
(1,48)	1:86:B:SER:H	1:82:B:ILE:HG23	8	0.32
(1,6)	1:7:B:LYS:HD2	1:44:A:SER:HA	7	0.32
(1,6)	1:7:B:LYS:HD2	1:44:A:SER:HA	18	0.32
(2,196)	1:22:B:LYS:H	1:19:B:TYR:HB2	2	0.31
(2,170)	1:70:B:VAL:H	1:30:B:ASN:HB2	7	0.31
(2,169)	1:70:A:VAL:H	1:30:A:ASN:HB2	7	0.31
(2,12)	1:7:B:LYS:HG3	1:5:B:LEU:H	10	0.31
(2,11)	1:7:A:LYS:HG3	1:5:A:LEU:H	10	0.31
(1,4608)	1:81:B:SER:H	1:76:B:SER:H	1	0.31
(1,4608)	1:81:B:SER:H	1:76:B:SER:H	2	0.31
(1,4607)	1:81:A:SER:H	1:76:A:SER:H	1	0.31
(1,4607)	1:81:A:SER:H	1:76:A:SER:H	2	0.31
(1,4598)	1:81:B:SER:H	1:82:B:ILE:HG13	13	0.31
(1,4597)	1:81:A:SER:H	1:82:A:ILE:HG13	6	0.31
(1,4597)	1:81:A:SER:H	1:82:A:ILE:HG13	13	0.31
(1,4578)	1:39:B:THR:H	1:36:B:GLU:HG3	5	0.31
(1,4577)	1:39:A:THR:H	1:36:A:GLU:HG3	5	0.31
(1,4538)	1:97:B:GLN:HE22	1:88:B:GLU:H	9	0.31
(1,4537)	1:97:A:GLN:HE22	1:88:A:GLU:H	9	0.31
(1,4498)	1:87:B:ASN:HD22	1:95:B:ASP:H	15	0.31
(1,4497)	1:87:A:ASN:HD22	1:95:A:ASP:H	15	0.31
(1,4490)	1:17:B:HIS:H	1:13:B:VAL:HG21	16	0.31
(1,4489)	1:17:A:HIS:H	1:13:A:VAL:HG21	14	0.31
(1,4489)	1:17:A:HIS:H	1:13:A:VAL:HG21	16	0.31
(1,4488)	1:17:B:HIS:H	1:26:B:LYS:HD2	10	0.31
(1,4487)	1:17:A:HIS:H	1:26:A:LYS:HD2	10	0.31
(1,4478)	1:86:B:SER:H	1:13:A:VAL:HG11	6	0.31
(1,4477)	1:86:A:SER:H	1:13:B:VAL:HG11	6	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4474)	1:85:B:MET:H	1:83:B:ALA:HB3	18	0.31
(1,4464)	1:31:B:LYS:H	1:34:B:LEU:HD22	10	0.31
(1,4462)	1:31:B:LYS:H	1:59:B:MET:HG3	6	0.31
(1,4462)	1:31:B:LYS:H	1:59:B:MET:HG3	13	0.31
(1,4461)	1:31:A:LYS:H	1:59:A:MET:HG3	13	0.31
(1,4396)	1:72:B:PHE:H	1:77:B:VAL:H	12	0.31
(1,4395)	1:72:A:PHE:H	1:77:A:VAL:H	12	0.31
(1,4375)	1:95:A:ASP:H	1:96:A:LYS:HD2	13	0.31
(1,4370)	1:95:B:ASP:H	1:27:A:PHE:HB2	4	0.31
(1,4365)	1:9:A:LEU:H	1:79:B:LEU:HD13	12	0.31
(1,4350)	1:16:B:PHE:H	1:79:B:LEU:HD12	20	0.31
(1,4349)	1:16:A:PHE:H	1:79:A:LEU:HD12	20	0.31
(1,4345)	1:16:A:PHE:H	1:2:B:ALA:HB3	10	0.31
(1,4324)	1:42:B:LEU:H	1:37:B:LEU:HD23	8	0.31
(1,4323)	1:42:A:LEU:H	1:37:A:LEU:HD23	8	0.31
(1,4288)	1:45:B:PHE:H	1:82:B:ILE:HG23	3	0.31
(1,4287)	1:45:A:PHE:H	1:82:A:ILE:HG23	3	0.31
(1,4248)	1:12:B:MET:H	1:11:B:VAL:HG11	3	0.31
(1,4247)	1:12:A:MET:H	1:11:A:VAL:HG11	3	0.31
(1,4247)	1:12:A:MET:H	1:11:A:VAL:HG12	17	0.31
(1,4247)	1:12:A:MET:H	1:11:A:VAL:HG13	19	0.31
(1,4192)	1:11:B:VAL:HA	1:8:B:ALA:HB3	14	0.31
(1,4191)	1:11:A:VAL:HA	1:8:A:ALA:HB3	14	0.31
(1,4165)	1:76:A:SER:HA	1:83:B:ALA:HB1	16	0.31
(1,4152)	1:55:B:PHE:HA	1:58:B:LEU:HD22	5	0.31
(1,4151)	1:55:A:PHE:HA	1:58:A:LEU:HD22	5	0.31
(1,4144)	1:20:B:SER:HA	1:17:B:HIS:HA	7	0.31
(1,4143)	1:20:A:SER:HA	1:17:A:HIS:HA	7	0.31
(1,4136)	1:20:B:SER:HB3	1:29:B:LEU:HB2	8	0.31
(1,4135)	1:20:A:SER:HB3	1:29:A:LEU:HB2	8	0.31
(1,4084)	1:61:B:ASN:HA	1:57:B:LYS:HA	16	0.31
(1,4083)	1:61:A:ASN:HA	1:57:A:LYS:HA	16	0.31
(1,4062)	1:10:B:ASP:HA	1:82:A:ILE:HB	16	0.31
(1,4002)	1:69:B:GLU:HA	1:33:B:GLU:HB2	19	0.31
(1,4001)	1:69:A:GLU:HA	1:33:A:GLU:HB2	19	0.31
(1,3993)	1:42:A:LEU:HA	1:40:A:ARG:HA	20	0.31
(1,3984)	1:42:B:LEU:HA	1:6:A:GLU:HG2	11	0.31
(1,3983)	1:42:A:LEU:HA	1:6:B:GLU:HG2	11	0.31
(1,3980)	1:42:B:LEU:HA	1:44:B:SER:HB3	9	0.31
(1,3979)	1:42:A:LEU:HA	1:44:A:SER:HB3	8	0.31
(1,3979)	1:42:A:LEU:HA	1:44:A:SER:HB3	9	0.31
(1,3979)	1:42:A:LEU:HA	1:44:A:SER:HB3	19	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3963)	1:2:A:ALA:HA	1:15:B:THR:HA	4	0.31
(1,3950)	1:21:B:GLY:HA3	1:22:B:LYS:HD3	10	0.31
(1,3926)	1:46:B:LEU:HD22	1:49:B:ARG:HD3	11	0.31
(1,3925)	1:46:A:LEU:HD22	1:49:A:ARG:HD3	11	0.31
(1,3850)	1:9:B:LEU:HB3	1:79:A:LEU:HD12	7	0.31
(1,3849)	1:9:A:LEU:HB3	1:79:B:LEU:HD12	7	0.31
(1,3759)	1:27:A:PHE:HB2	1:96:B:LYS:H	12	0.31
(1,3692)	1:70:B:VAL:HB	1:71:B:ASP:HB3	9	0.31
(1,3691)	1:70:A:VAL:HB	1:71:A:ASP:HB3	9	0.31
(1,3664)	1:85:B:MET:HG2	1:82:B:ILE:HG13	17	0.31
(1,3663)	1:85:A:MET:HG2	1:82:A:ILE:HG13	4	0.31
(1,3663)	1:85:A:MET:HG2	1:82:A:ILE:HG13	17	0.31
(1,3658)	1:31:B:LYS:HB2	1:31:B:LYS:HB3	1	0.31
(1,3658)	1:31:B:LYS:HB2	1:31:B:LYS:HB3	12	0.31
(1,3657)	1:31:A:LYS:HB2	1:31:A:LYS:HB3	1	0.31
(1,3657)	1:31:A:LYS:HB2	1:31:A:LYS:HB3	12	0.31
(1,3657)	1:31:A:LYS:HB2	1:31:A:LYS:HB3	18	0.31
(1,3654)	1:85:B:MET:HG2	1:82:B:ILE:HG12	9	0.31
(1,3632)	1:43:B:PRO:HB2	1:42:B:LEU:HB3	17	0.31
(1,3631)	1:43:A:PRO:HB2	1:42:A:LEU:HB3	17	0.31
(1,3592)	1:35:B:LYS:HD2	1:31:B:LYS:HG2	2	0.31
(1,3591)	1:35:A:LYS:HD2	1:31:A:LYS:HG2	2	0.31
(1,3584)	1:7:B:LYS:HD3	1:7:B:LYS:HB3	4	0.31
(1,3584)	1:7:B:LYS:HD3	1:7:B:LYS:HB3	12	0.31
(1,3584)	1:7:B:LYS:HD3	1:7:B:LYS:HB3	16	0.31
(1,3583)	1:7:A:LYS:HD3	1:7:A:LYS:HB3	12	0.31
(1,3581)	1:31:A:LYS:HD3	1:59:A:MET:HG3	14	0.31
(1,3548)	1:37:B:LEU:HD22	1:37:B:LEU:HA	7	0.31
(1,3547)	1:37:A:LEU:HD22	1:37:A:LEU:HA	7	0.31
(1,3546)	1:29:B:LEU:HD21	1:22:B:LYS:HE3	14	0.31
(1,3545)	1:29:A:LEU:HD21	1:22:A:LYS:HE3	14	0.31
(1,3542)	1:37:B:LEU:HD11	1:17:B:HIS:HA	17	0.31
(1,3541)	1:37:A:LEU:HD11	1:17:A:HIS:HA	17	0.31
(1,3502)	1:34:B:LEU:HD23	1:58:B:LEU:HB3	3	0.31
(1,3502)	1:34:B:LEU:HD21	1:58:B:LEU:HB3	13	0.31
(1,3501)	1:34:A:LEU:HD23	1:58:A:LEU:HB3	3	0.31
(1,3501)	1:34:A:LEU:HD23	1:58:A:LEU:HB3	11	0.31
(1,3501)	1:34:A:LEU:HD21	1:58:A:LEU:HB3	13	0.31
(1,3476)	1:46:B:LEU:HD21	1:45:B:PHE:HB3	11	0.31
(1,3475)	1:46:A:LEU:HD21	1:45:A:PHE:HB3	11	0.31
(1,3412)	1:13:B:VAL:HG12	1:13:B:VAL:HG23	15	0.31
(1,3396)	1:11:B:VAL:HG22	1:10:B:ASP:HB3	1	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3396)	1:11:B:VAL:HG22	1:10:B:ASP:HB3	16	0.31
(1,3395)	1:11:A:VAL:HG21	1:10:A:ASP:HB3	9	0.31
(1,3394)	1:77:B:VAL:HG23	1:74:B:GLU:HA	2	0.31
(1,3394)	1:77:B:VAL:HG23	1:74:B:GLU:HA	13	0.31
(1,3393)	1:77:A:VAL:HG23	1:74:A:GLU:HA	2	0.31
(1,3393)	1:77:A:VAL:HG23	1:74:A:GLU:HA	13	0.31
(1,3392)	1:68:B:ASN:HD21	1:70:B:VAL:HG22	11	0.31
(1,3391)	1:68:A:ASN:HD21	1:70:A:VAL:HG22	11	0.31
(1,3380)	1:79:B:LEU:HD13	1:83:A:ALA:HB3	7	0.31
(1,3379)	1:79:A:LEU:HD13	1:83:B:ALA:HB2	7	0.31
(1,3344)	1:77:B:VAL:HG12	1:84:A:MET:HG2	6	0.31
(1,3312)	1:82:B:ILE:HD13	1:10:A:ASP:HB2	2	0.31
(1,3311)	1:82:A:ILE:HD13	1:10:B:ASP:HB2	4	0.31
(1,3308)	1:57:B:LYS:HB3	1:57:B:LYS:HA	5	0.31
(1,3307)	1:57:A:LYS:HB3	1:57:A:LYS:HA	5	0.31
(1,3303)	1:9:A:LEU:HD13	1:15:B:THR:HB	13	0.31
(1,3190)	1:39:B:THR:H	1:29:B:LEU:HD11	10	0.31
(1,3189)	1:39:A:THR:H	1:29:A:LEU:HD11	10	0.31
(1,3188)	1:39:B:THR:H	1:46:B:LEU:HD13	4	0.31
(1,3187)	1:39:A:THR:H	1:46:A:LEU:HD13	4	0.31
(1,3171)	1:30:A:ASN:HD22	1:22:A:LYS:HE3	9	0.31
(1,3082)	1:65:B:ASN:HD22	1:65:B:ASN:HA	12	0.31
(1,3081)	1:65:A:ASN:HD22	1:65:A:ASN:HA	12	0.31
(1,2872)	1:14:B:SER:H	1:10:B:ASP:HB3	3	0.31
(1,2786)	1:89:B:PHE:H	1:13:A:VAL:HG12	1	0.31
(1,2711)	1:15:A:THR:H	1:2:B:ALA:HB2	4	0.31
(1,2508)	1:42:B:LEU:H	1:41:B:GLU:HB3	7	0.31
(1,2507)	1:42:A:LEU:H	1:41:A:GLU:HB3	7	0.31
(1,2415)	1:52:A:GLU:H	1:53:A:ALA:HB3	4	0.31
(1,2415)	1:52:A:GLU:H	1:53:A:ALA:HB2	16	0.31
(1,2324)	1:78:B:PHE:H	1:82:B:ILE:HD12	2	0.31
(1,2323)	1:78:A:PHE:H	1:82:A:ILE:HD12	2	0.31
(1,2306)	1:45:B:PHE:H	1:42:B:LEU:HD22	10	0.31
(1,2288)	1:3:B:SER:H	1:6:B:GLU:HA	16	0.31
(1,2287)	1:3:A:SER:H	1:6:A:GLU:HA	16	0.31
(1,2286)	1:3:B:SER:H	1:40:A:ARG:HA	14	0.31
(1,2286)	1:3:B:SER:H	1:40:A:ARG:HA	20	0.31
(1,2285)	1:3:A:SER:H	1:40:B:ARG:HA	20	0.31
(1,2234)	1:33:B:GLU:H	1:22:B:LYS:HE3	15	0.31
(1,2216)	1:30:B:ASN:H	1:29:B:LEU:HD13	6	0.31
(1,2216)	1:30:B:ASN:H	1:29:B:LEU:HD13	8	0.31
(1,2215)	1:30:A:ASN:H	1:29:A:LEU:HD13	6	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2116)	1:101:B:LYS:H	1:100:B:LYS:HB2	10	0.31
(1,2115)	1:101:A:LYS:H	1:100:A:LYS:HB2	10	0.31
(1,2096)	1:26:B:LYS:H	1:26:B:LYS:HG3	15	0.31
(1,2095)	1:26:A:LYS:H	1:26:A:LYS:HG3	15	0.31
(1,2086)	1:39:B:THR:HB	1:40:B:ARG:HD2	1	0.31
(1,2086)	1:39:B:THR:HB	1:40:B:ARG:HD2	4	0.31
(1,2086)	1:39:B:THR:HB	1:40:B:ARG:HD2	8	0.31
(1,2086)	1:39:B:THR:HB	1:40:B:ARG:HD2	9	0.31
(1,2086)	1:39:B:THR:HB	1:40:B:ARG:HD2	16	0.31
(1,2085)	1:39:A:THR:HB	1:40:A:ARG:HD2	4	0.31
(1,2085)	1:39:A:THR:HB	1:40:A:ARG:HD2	8	0.31
(1,2075)	1:50:A:THR:HB	1:35:A:LYS:HE2	17	0.31
(1,2075)	1:50:A:THR:HB	1:35:A:LYS:HE2	18	0.31
(1,2056)	1:77:B:VAL:HA	1:73:B:GLN:HG2	13	0.31
(1,2055)	1:77:A:VAL:HA	1:73:A:GLN:HG2	3	0.31
(1,2055)	1:77:A:VAL:HA	1:73:A:GLN:HG2	13	0.31
(1,2012)	1:94:B:PRO:HA	1:95:B:ASP:HB2	12	0.31
(1,2011)	1:94:A:PRO:HA	1:95:A:ASP:HB2	12	0.31
(1,2004)	1:98:B:PRO:HA	1:101:B:LYS:HG3	10	0.31
(1,1992)	1:60:B:SER:HB2	1:66:B:ARG:HD3	12	0.31
(1,1931)	1:32:A:SER:HA	1:31:A:LYS:HD3	13	0.31
(1,1922)	1:86:B:SER:HA	1:13:A:VAL:HG22	2	0.31
(1,1876)	1:82:B:ILE:HG22	1:45:B:PHE:HA	9	0.31
(1,1876)	1:82:B:ILE:HG22	1:45:B:PHE:HA	13	0.31
(1,1875)	1:82:A:ILE:HG22	1:45:A:PHE:HA	9	0.31
(1,1875)	1:82:A:ILE:HG22	1:45:A:PHE:HA	13	0.31
(1,1875)	1:82:A:ILE:HG23	1:45:A:PHE:HA	20	0.31
(1,1842)	1:37:B:LEU:HD22	1:37:B:LEU:HA	7	0.31
(1,1726)	1:21:B:GLY:HA3	1:26:B:LYS:HA	2	0.31
(1,1726)	1:21:B:GLY:HA3	1:26:B:LYS:HA	12	0.31
(1,1725)	1:21:A:GLY:HA3	1:26:A:LYS:HA	2	0.31
(1,1725)	1:21:A:GLY:HA3	1:26:A:LYS:HA	12	0.31
(1,1584)	1:42:B:LEU:HA	1:82:B:ILE:HD11	8	0.31
(1,1485)	1:42:A:LEU:HB3	1:41:A:GLU:HB3	16	0.31
(1,1448)	1:29:B:LEU:HB2	1:33:B:GLU:HB3	11	0.31
(1,1436)	1:99:B:ARG:HD3	1:98:B:PRO:HA	18	0.31
(1,1372)	1:18:B:LYS:HG2	1:18:B:LYS:HE3	20	0.31
(1,1371)	1:18:A:LYS:HG2	1:18:A:LYS:HE3	20	0.31
(1,1369)	1:22:A:LYS:HE2	1:18:A:LYS:HG2	11	0.31
(1,1314)	1:58:B:LEU:HB3	1:62:B:LEU:HD13	13	0.31
(1,1313)	1:58:A:LEU:HB3	1:62:A:LEU:HD13	13	0.31
(1,1218)	1:57:B:LYS:HE3	1:54:B:ALA:H	12	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1218)	1:57:B:LYS:HE3	1:54:B:ALA:H	18	0.31
(1,1217)	1:57:A:LYS:HE2	1:54:A:ALA:H	2	0.31
(1,1217)	1:57:A:LYS:HE3	1:54:A:ALA:H	12	0.31
(1,1217)	1:57:A:LYS:HE3	1:54:A:ALA:H	18	0.31
(1,1070)	1:88:B:GLU:HG3	1:96:B:LYS:HE2	6	0.31
(1,1069)	1:88:A:GLU:HG3	1:96:A:LYS:HE2	6	0.31
(1,1054)	1:52:B:GLU:HG3	1:51:B:ASP:H	20	0.31
(1,1053)	1:52:A:GLU:HG3	1:51:A:ASP:H	20	0.31
(1,1014)	1:23:B:GLU:HB2	1:32:B:SER:HB3	10	0.31
(1,1013)	1:23:A:GLU:HB2	1:32:A:SER:HB3	10	0.31
(1,950)	1:12:B:MET:HB2	1:9:A:LEU:HD13	13	0.31
(1,949)	1:12:A:MET:HB2	1:9:B:LEU:HD13	16	0.31
(1,892)	1:31:B:LYS:HB2	1:30:B:ASN:HA	9	0.31
(1,891)	1:31:A:LYS:HB2	1:30:A:ASN:HA	18	0.31
(1,822)	1:43:B:PRO:HB2	1:44:B:SER:HB2	8	0.31
(1,755)	1:31:A:LYS:HD3	1:56:A:GLN:HE21	12	0.31
(1,748)	1:36:B:GLU:HB2	1:37:B:LEU:HD12	10	0.31
(1,747)	1:36:A:GLU:HB2	1:37:A:LEU:HD12	10	0.31
(1,710)	1:22:B:LYS:HD3	1:37:B:LEU:HB2	2	0.31
(1,632)	1:40:B:ARG:HG2	1:41:B:GLU:H	4	0.31
(1,607)	1:37:A:LEU:HD12	1:18:A:LYS:HE3	16	0.31
(1,599)	1:37:A:LEU:HD23	1:34:A:LEU:HA	9	0.31
(1,524)	1:42:B:LEU:HD12	1:41:B:GLU:HA	3	0.31
(1,518)	1:42:B:LEU:HD12	1:82:B:ILE:HD11	13	0.31
(1,517)	1:42:A:LEU:HD12	1:82:A:ILE:HD11	13	0.31
(1,494)	1:34:B:LEU:H	1:34:B:LEU:HD21	11	0.31
(1,493)	1:34:A:LEU:H	1:34:A:LEU:HD21	11	0.31
(1,458)	1:58:B:LEU:HD21	1:62:B:LEU:HD13	15	0.31
(1,458)	1:58:B:LEU:HD21	1:62:B:LEU:HD12	18	0.31
(1,458)	1:58:B:LEU:HD21	1:62:B:LEU:HD11	20	0.31
(1,457)	1:58:A:LEU:HD21	1:62:A:LEU:HD13	15	0.31
(1,457)	1:58:A:LEU:HD21	1:62:A:LEU:HD12	18	0.31
(1,457)	1:58:A:LEU:HD21	1:62:A:LEU:HD11	20	0.31
(1,402)	1:31:B:LYS:HG2	1:59:B:MET:HG3	4	0.31
(1,392)	1:46:B:LEU:HD22	1:46:B:LEU:H	9	0.31
(1,391)	1:46:A:LEU:HD22	1:46:A:LEU:H	9	0.31
(1,365)	1:96:A:LYS:HG2	1:91:A:GLU:H	11	0.31
(1,362)	1:58:B:LEU:HD11	1:58:B:LEU:HD13	1	0.31
(1,362)	1:58:B:LEU:HD11	1:58:B:LEU:HD13	2	0.31
(1,362)	1:58:B:LEU:HD11	1:58:B:LEU:HD13	3	0.31
(1,362)	1:58:B:LEU:HD11	1:58:B:LEU:HD13	4	0.31
(1,362)	1:58:B:LEU:HD11	1:58:B:LEU:HD13	5	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,362)	1:58:B:LEU:HD11	1:58:B:LEU:HD13	6	0.31
(1,362)	1:58:B:LEU:HD11	1:58:B:LEU:HD13	7	0.31
(1,362)	1:58:B:LEU:HD12	1:58:B:LEU:HD13	8	0.31
(1,362)	1:58:B:LEU:HD12	1:58:B:LEU:HD13	9	0.31
(1,362)	1:58:B:LEU:HD12	1:58:B:LEU:HD13	10	0.31
(1,362)	1:58:B:LEU:HD11	1:58:B:LEU:HD13	11	0.31
(1,362)	1:58:B:LEU:HD11	1:58:B:LEU:HD13	12	0.31
(1,362)	1:58:B:LEU:HD12	1:58:B:LEU:HD13	13	0.31
(1,362)	1:58:B:LEU:HD11	1:58:B:LEU:HD13	14	0.31
(1,362)	1:58:B:LEU:HD11	1:58:B:LEU:HD13	15	0.31
(1,362)	1:58:B:LEU:HD11	1:58:B:LEU:HD13	16	0.31
(1,362)	1:58:B:LEU:HD12	1:58:B:LEU:HD11	17	0.31
(1,362)	1:58:B:LEU:HD12	1:58:B:LEU:HD13	18	0.31
(1,362)	1:58:B:LEU:HD11	1:58:B:LEU:HD13	19	0.31
(1,362)	1:58:B:LEU:HD11	1:58:B:LEU:HD13	20	0.31
(1,361)	1:58:A:LEU:HD11	1:58:A:LEU:HD13	1	0.31
(1,361)	1:58:A:LEU:HD12	1:58:A:LEU:HD13	2	0.31
(1,361)	1:58:A:LEU:HD11	1:58:A:LEU:HD13	3	0.31
(1,361)	1:58:A:LEU:HD11	1:58:A:LEU:HD13	4	0.31
(1,361)	1:58:A:LEU:HD11	1:58:A:LEU:HD13	5	0.31
(1,361)	1:58:A:LEU:HD11	1:58:A:LEU:HD13	6	0.31
(1,361)	1:58:A:LEU:HD11	1:58:A:LEU:HD13	7	0.31
(1,361)	1:58:A:LEU:HD11	1:58:A:LEU:HD13	8	0.31
(1,361)	1:58:A:LEU:HD11	1:58:A:LEU:HD13	9	0.31
(1,361)	1:58:A:LEU:HD11	1:58:A:LEU:HD13	10	0.31
(1,361)	1:58:A:LEU:HD12	1:58:A:LEU:HD13	11	0.31
(1,361)	1:58:A:LEU:HD11	1:58:A:LEU:HD13	12	0.31
(1,361)	1:58:A:LEU:HD12	1:58:A:LEU:HD13	13	0.31
(1,361)	1:58:A:LEU:HD12	1:58:A:LEU:HD13	14	0.31
(1,361)	1:58:A:LEU:HD11	1:58:A:LEU:HD13	15	0.31
(1,361)	1:58:A:LEU:HD12	1:58:A:LEU:HD11	16	0.31
(1,361)	1:58:A:LEU:HD12	1:58:A:LEU:HD11	17	0.31
(1,361)	1:58:A:LEU:HD11	1:58:A:LEU:HD13	18	0.31
(1,361)	1:58:A:LEU:HD12	1:58:A:LEU:HD11	19	0.31
(1,361)	1:58:A:LEU:HD12	1:58:A:LEU:HD13	20	0.31
(1,314)	1:62:B:LEU:HD21	1:58:B:LEU:HD12	20	0.31
(1,313)	1:62:A:LEU:HD21	1:58:A:LEU:HD12	20	0.31
(1,205)	1:34:A:LEU:HD13	1:38:A:LEU:H	14	0.31
(1,148)	1:13:B:VAL:HG13	1:84:A:MET:HA	16	0.31
(1,147)	1:13:A:VAL:HG13	1:84:B:MET:HA	16	0.31
(1,144)	1:12:B:MET:H	1:11:B:VAL:HG12	12	0.31
(1,144)	1:12:B:MET:H	1:11:B:VAL:HG11	13	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,143)	1:12:A:MET:H	1:11:A:VAL:HG13	2	0.31
(1,143)	1:12:A:MET:H	1:11:A:VAL:HG12	12	0.31
(1,143)	1:12:A:MET:H	1:11:A:VAL:HG11	13	0.31
(1,83)	1:8:A:ALA:HB3	1:10:A:ASP:HB3	7	0.31
(1,47)	1:86:A:SER:H	1:82:A:ILE:HG23	8	0.31
(1,28)	1:83:B:ALA:H	1:82:B:ILE:HD12	18	0.31
(1,28)	1:83:B:ALA:H	1:82:B:ILE:HD13	20	0.31
(1,27)	1:83:A:ALA:H	1:82:A:ILE:HD12	18	0.31
(1,27)	1:83:A:ALA:H	1:82:A:ILE:HD13	20	0.31
(1,11)	1:5:A:LEU:HD21	1:42:B:LEU:HG	3	0.31
(1,10)	1:5:B:LEU:HD12	1:15:A:THR:HB	18	0.31
(1,9)	1:5:A:LEU:HD12	1:15:B:THR:HB	18	0.31
(1,8)	1:79:B:LEU:HD11	1:9:A:LEU:HD21	13	0.31
(1,7)	1:79:A:LEU:HD13	1:9:B:LEU:HD21	12	0.31
(1,5)	1:7:A:LYS:HD2	1:44:B:SER:HA	18	0.31
(2,222)	1:5:B:LEU:H	1:41:A:GLU:HA	9	0.3
(2,222)	1:5:B:LEU:H	1:41:A:GLU:HA	10	0.3
(2,221)	1:5:A:LEU:H	1:41:B:GLU:HA	5	0.3
(2,221)	1:5:A:LEU:H	1:41:B:GLU:HA	9	0.3
(2,84)	1:63:B:ASP:HA	1:59:B:MET:HG2	4	0.3
(2,83)	1:63:A:ASP:HA	1:59:A:MET:HG2	4	0.3
(1,4600)	1:99:B:ARG:H	1:101:B:LYS:HE2	6	0.3
(1,4599)	1:99:A:ARG:H	1:101:A:LYS:HE2	6	0.3
(1,4577)	1:39:A:THR:H	1:36:A:GLU:HG3	15	0.3
(1,4560)	1:73:B:GLN:HE21	1:65:B:ASN:HB3	9	0.3
(1,4538)	1:97:B:GLN:HE22	1:88:B:GLU:H	3	0.3
(1,4537)	1:97:A:GLN:HE22	1:88:A:GLU:H	3	0.3
(1,4522)	1:80:B:SER:H	1:82:B:ILE:HG13	4	0.3
(1,4516)	1:20:B:SER:H	1:18:B:LYS:HB3	4	0.3
(1,4516)	1:20:B:SER:H	1:18:B:LYS:HB3	5	0.3
(1,4515)	1:20:A:SER:H	1:18:A:LYS:HB3	4	0.3
(1,4515)	1:20:A:SER:H	1:18:A:LYS:HB3	5	0.3
(1,4508)	1:32:B:SER:H	1:33:B:GLU:HB3	8	0.3
(1,4507)	1:32:A:SER:H	1:33:A:GLU:HB3	8	0.3
(1,4463)	1:31:A:LYS:H	1:34:A:LEU:HD23	7	0.3
(1,4463)	1:31:A:LYS:H	1:34:A:LEU:HD22	10	0.3
(1,4438)	1:38:B:LEU:H	1:39:B:THR:HG21	13	0.3
(1,4438)	1:38:B:LEU:H	1:39:B:THR:HG22	20	0.3
(1,4437)	1:38:A:LEU:H	1:39:A:THR:HG21	13	0.3
(1,4437)	1:38:A:LEU:H	1:39:A:THR:HG22	20	0.3
(1,4396)	1:72:B:PHE:H	1:77:B:VAL:H	19	0.3
(1,4395)	1:72:A:PHE:H	1:77:A:VAL:H	19	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4386)	1:76:B:SER:H	1:77:B:VAL:HG23	1	0.3
(1,4385)	1:76:A:SER:H	1:77:A:VAL:HG23	1	0.3
(1,4348)	1:16:B:PHE:H	1:37:B:LEU:HD13	10	0.3
(1,4347)	1:16:A:PHE:H	1:37:A:LEU:HD13	10	0.3
(1,4346)	1:16:B:PHE:H	1:2:A:ALA:HB3	10	0.3
(1,4310)	1:22:B:LYS:H	1:17:B:HIS:HA	3	0.3
(1,4309)	1:22:A:LYS:H	1:17:A:HIS:HA	3	0.3
(1,4296)	1:64:B:SER:H	1:63:B:ASP:H	4	0.3
(1,4296)	1:64:B:SER:H	1:63:B:ASP:H	17	0.3
(1,4295)	1:64:A:SER:H	1:63:A:ASP:H	4	0.3
(1,4295)	1:64:A:SER:H	1:63:A:ASP:H	17	0.3
(1,4288)	1:45:B:PHE:H	1:82:B:ILE:HG21	13	0.3
(1,4287)	1:45:A:PHE:H	1:82:A:ILE:HG21	13	0.3
(1,4254)	1:77:B:VAL:H	1:62:B:LEU:HB3	9	0.3
(1,4254)	1:77:B:VAL:H	1:62:B:LEU:HB3	16	0.3
(1,4253)	1:77:A:VAL:H	1:62:A:LEU:HB3	9	0.3
(1,4253)	1:77:A:VAL:H	1:62:A:LEU:HB3	16	0.3
(1,4248)	1:12:B:MET:H	1:11:B:VAL:HG11	7	0.3
(1,4248)	1:12:B:MET:H	1:11:B:VAL:HG11	10	0.3
(1,4248)	1:12:B:MET:H	1:11:B:VAL:HG12	17	0.3
(1,4247)	1:12:A:MET:H	1:11:A:VAL:HG11	7	0.3
(1,4247)	1:12:A:MET:H	1:11:A:VAL:HG11	10	0.3
(1,4200)	1:50:B:THR:HB	1:49:B:ARG:HD2	11	0.3
(1,4199)	1:50:A:THR:HB	1:49:A:ARG:HD2	11	0.3
(1,4191)	1:11:A:VAL:HA	1:8:A:ALA:HB2	3	0.3
(1,4144)	1:20:B:SER:HA	1:17:B:HIS:HA	8	0.3
(1,4143)	1:20:A:SER:HA	1:17:A:HIS:HA	8	0.3
(1,4143)	1:20:A:SER:HA	1:17:A:HIS:HA	9	0.3
(1,4135)	1:20:A:SER:HB3	1:29:A:LEU:HB2	2	0.3
(1,4132)	1:20:B:SER:HB2	1:22:B:LYS:HG3	13	0.3
(1,4131)	1:20:A:SER:HB2	1:22:A:LYS:HG3	13	0.3
(1,4094)	1:77:B:VAL:HG22	1:74:B:GLU:HA	3	0.3
(1,4093)	1:77:A:VAL:HG22	1:74:A:GLU:HA	3	0.3
(1,4061)	1:10:A:ASP:HA	1:82:B:ILE:HB	11	0.3
(1,4061)	1:10:A:ASP:HA	1:82:B:ILE:HB	16	0.3
(1,4042)	1:99:B:ARG:HA	1:98:B:PRO:HB3	13	0.3
(1,4041)	1:99:A:ARG:HA	1:98:A:PRO:HB3	13	0.3
(1,4008)	1:69:B:GLU:HG2	1:28:B:LYS:HA	10	0.3
(1,4007)	1:69:A:GLU:HG2	1:28:A:LYS:HA	10	0.3
(1,4006)	1:61:B:ASN:HA	1:57:B:LYS:HA	6	0.3
(1,3994)	1:42:B:LEU:HA	1:45:B:PHE:HA	18	0.3
(1,3994)	1:42:B:LEU:HA	1:40:B:ARG:HA	20	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3993)	1:42:A:LEU:HA	1:45:A:PHE:HA	18	0.3
(1,3980)	1:42:B:LEU:HA	1:6:A:GLU:HA	5	0.3
(1,3980)	1:42:B:LEU:HA	1:44:B:SER:HB3	19	0.3
(1,3979)	1:42:A:LEU:HA	1:6:B:GLU:HA	5	0.3
(1,3950)	1:21:B:GLY:HA3	1:22:B:LYS:HD3	7	0.3
(1,3949)	1:21:A:GLY:HA3	1:22:A:LYS:HD3	7	0.3
(1,3949)	1:21:A:GLY:HA3	1:22:A:LYS:HD3	19	0.3
(1,3938)	1:42:B:LEU:HB3	1:6:A:GLU:HB3	6	0.3
(1,3816)	1:79:B:LEU:HB3	1:80:B:SER:HB3	20	0.3
(1,3815)	1:79:A:LEU:HB3	1:80:A:SER:HB3	20	0.3
(1,3812)	1:18:B:LYS:HB3	1:16:B:PHE:HB2	10	0.3
(1,3811)	1:18:A:LYS:HB3	1:16:A:PHE:HB2	6	0.3
(1,3811)	1:18:A:LYS:HB3	1:16:A:PHE:HB2	10	0.3
(1,3808)	1:6:B:GLU:HG2	1:42:A:LEU:HD22	3	0.3
(1,3807)	1:6:A:GLU:HG2	1:42:B:LEU:HD22	3	0.3
(1,3780)	1:57:B:LYS:HB3	1:61:B:ASN:HB3	5	0.3
(1,3780)	1:57:B:LYS:HB3	1:61:B:ASN:HB3	12	0.3
(1,3768)	1:84:B:MET:HB3	1:87:B:ASN:HB2	9	0.3
(1,3767)	1:84:A:MET:HB3	1:87:A:ASN:HB2	9	0.3
(1,3723)	1:69:A:GLU:HG2	1:29:A:LEU:HA	17	0.3
(1,3692)	1:70:B:VAL:HB	1:71:B:ASP:HB3	5	0.3
(1,3692)	1:70:B:VAL:HB	1:71:B:ASP:HB3	11	0.3
(1,3692)	1:70:B:VAL:HB	1:71:B:ASP:HB3	18	0.3
(1,3692)	1:70:B:VAL:HB	1:71:B:ASP:HB3	20	0.3
(1,3691)	1:70:A:VAL:HB	1:71:A:ASP:HB3	5	0.3
(1,3691)	1:70:A:VAL:HB	1:71:A:ASP:HB3	11	0.3
(1,3691)	1:70:A:VAL:HB	1:71:A:ASP:HB3	18	0.3
(1,3691)	1:70:A:VAL:HB	1:71:A:ASP:HB3	20	0.3
(1,3674)	1:59:B:MET:HG3	1:31:B:LYS:HB3	9	0.3
(1,3673)	1:59:A:MET:HG3	1:31:A:LYS:HB3	9	0.3
(1,3624)	1:43:B:PRO:HB3	1:47:B:GLY:HA3	19	0.3
(1,3623)	1:43:A:PRO:HB3	1:47:A:GLY:HA3	19	0.3
(1,3596)	1:11:B:VAL:HG22	1:7:B:LYS:HD3	18	0.3
(1,3592)	1:35:B:LYS:HD2	1:31:B:LYS:HG2	3	0.3
(1,3591)	1:35:A:LYS:HD2	1:31:A:LYS:HG2	3	0.3
(1,3583)	1:7:A:LYS:HD3	1:7:A:LYS:HB3	4	0.3
(1,3583)	1:7:A:LYS:HD3	1:7:A:LYS:HB3	16	0.3
(1,3582)	1:31:B:LYS:HD3	1:59:B:MET:HG3	14	0.3
(1,3576)	1:88:B:GLU:HB2	1:101:B:LYS:HE3	2	0.3
(1,3575)	1:88:A:GLU:HB2	1:101:A:LYS:HE3	2	0.3
(1,3566)	1:37:B:LEU:HG	1:19:B:TYR:HA	4	0.3
(1,3565)	1:37:A:LEU:HG	1:19:A:TYR:HA	4	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3552)	1:94:B:PRO:HG3	1:101:B:LYS:HD2	5	0.3
(1,3502)	1:34:B:LEU:HD23	1:58:B:LEU:HB3	9	0.3
(1,3502)	1:34:B:LEU:HD23	1:58:B:LEU:HB3	11	0.3
(1,3501)	1:34:A:LEU:HD23	1:58:A:LEU:HB3	9	0.3
(1,3475)	1:46:A:LEU:HD23	1:45:A:PHE:HB3	13	0.3
(1,3444)	1:18:B:LYS:HG3	1:20:B:SER:H	9	0.3
(1,3444)	1:18:B:LYS:HG3	1:20:B:SER:H	16	0.3
(1,3443)	1:18:A:LYS:HG3	1:20:A:SER:H	9	0.3
(1,3443)	1:18:A:LYS:HG3	1:20:A:SER:H	16	0.3
(1,3412)	1:11:B:VAL:HG11	1:11:B:VAL:HG21	2	0.3
(1,3412)	1:11:B:VAL:HG13	1:11:B:VAL:HG21	16	0.3
(1,3412)	1:11:B:VAL:HG13	1:11:B:VAL:HG21	17	0.3
(1,3411)	1:11:A:VAL:HG13	1:11:A:VAL:HG21	17	0.3
(1,3411)	1:13:A:VAL:HG13	1:13:A:VAL:HG23	20	0.3
(1,3403)	1:77:A:VAL:HG22	1:83:B:ALA:HB2	3	0.3
(1,3376)	1:50:B:THR:HG22	1:48:B:LYS:HB2	17	0.3
(1,3376)	1:50:B:THR:HG21	1:35:B:LYS:HB3	20	0.3
(1,3375)	1:50:A:THR:HG22	1:48:A:LYS:HB2	17	0.3
(1,3375)	1:50:A:THR:HG21	1:35:A:LYS:HB3	20	0.3
(1,3365)	1:39:A:THR:HG22	1:38:A:LEU:HD13	16	0.3
(1,3312)	1:82:B:ILE:HD13	1:10:A:ASP:HB2	4	0.3
(1,3304)	1:9:B:LEU:HD13	1:15:A:THR:HB	9	0.3
(1,3303)	1:9:A:LEU:HD13	1:15:B:THR:HB	9	0.3
(1,3264)	1:81:B:SER:H	1:82:B:ILE:HD12	5	0.3
(1,3264)	1:81:B:SER:H	1:82:B:ILE:HD12	8	0.3
(1,3263)	1:81:A:SER:H	1:82:A:ILE:HD12	5	0.3
(1,3263)	1:81:A:SER:H	1:82:A:ILE:HD12	8	0.3
(1,3190)	1:39:B:THR:H	1:29:B:LEU:HD13	8	0.3
(1,3189)	1:39:A:THR:H	1:29:A:LEU:HD13	8	0.3
(1,3188)	1:39:B:THR:H	1:46:B:LEU:HD11	5	0.3
(1,3188)	1:39:B:THR:H	1:46:B:LEU:HD12	7	0.3
(1,3188)	1:39:B:THR:H	1:46:B:LEU:HD12	16	0.3
(1,3187)	1:39:A:THR:H	1:46:A:LEU:HD11	5	0.3
(1,3187)	1:39:A:THR:H	1:46:A:LEU:HD12	7	0.3
(1,3187)	1:39:A:THR:H	1:46:A:LEU:HD12	16	0.3
(1,3172)	1:30:B:ASN:HD22	1:22:B:LYS:HE3	9	0.3
(1,3125)	1:73:A:GLN:HE22	1:73:A:GLN:HG2	16	0.3
(1,3104)	1:65:B:ASN:HD21	1:69:B:GLU:HG3	4	0.3
(1,3103)	1:65:A:ASN:HD21	1:69:A:GLU:HG3	4	0.3
(1,3103)	1:65:A:ASN:HD21	1:69:A:GLU:HG3	17	0.3
(1,3082)	1:65:B:ASN:HD22	1:65:B:ASN:HA	6	0.3
(1,3081)	1:65:A:ASN:HD22	1:65:A:ASN:HA	6	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2774)	1:59:B:MET:H	1:62:B:LEU:HD13	5	0.3
(1,2773)	1:59:A:MET:H	1:62:A:LEU:HD13	5	0.3
(1,2752)	1:34:B:LEU:H	1:29:B:LEU:HD11	7	0.3
(1,2751)	1:34:A:LEU:H	1:29:A:LEU:HD11	7	0.3
(1,2736)	1:46:B:LEU:H	1:82:B:ILE:HD13	15	0.3
(1,2735)	1:46:A:LEU:H	1:82:A:ILE:HD13	15	0.3
(1,2650)	1:10:B:ASP:H	1:82:A:ILE:HD13	20	0.3
(1,2478)	1:87:B:ASN:H	1:13:A:VAL:HG21	10	0.3
(1,2477)	1:87:A:ASN:H	1:13:B:VAL:HG21	9	0.3
(1,2477)	1:87:A:ASN:H	1:13:B:VAL:HG21	10	0.3
(1,2416)	1:52:B:GLU:H	1:53:B:ALA:HB3	4	0.3
(1,2415)	1:52:A:GLU:H	1:53:A:ALA:HB2	19	0.3
(1,2288)	1:3:B:SER:H	1:6:B:GLU:HA	18	0.3
(1,2287)	1:3:A:SER:H	1:6:A:GLU:HA	18	0.3
(1,2286)	1:3:B:SER:H	1:40:A:ARG:HA	4	0.3
(1,2286)	1:3:B:SER:H	1:40:A:ARG:HA	16	0.3
(1,2285)	1:3:A:SER:H	1:40:B:ARG:HA	4	0.3
(1,2285)	1:3:A:SER:H	1:40:B:ARG:HA	12	0.3
(1,2285)	1:3:A:SER:H	1:40:B:ARG:HA	18	0.3
(1,2234)	1:33:B:GLU:H	1:22:B:LYS:HE3	10	0.3
(1,2234)	1:33:B:GLU:H	1:22:B:LYS:HE2	19	0.3
(1,2233)	1:33:A:GLU:H	1:22:A:LYS:HE3	10	0.3
(1,2233)	1:33:A:GLU:H	1:22:A:LYS:HE3	15	0.3
(1,2233)	1:33:A:GLU:H	1:22:A:LYS:HE2	19	0.3
(1,2216)	1:30:B:ASN:H	1:29:B:LEU:HD11	5	0.3
(1,2216)	1:30:B:ASN:H	1:29:B:LEU:HD11	19	0.3
(1,2215)	1:30:A:ASN:H	1:29:A:LEU:HD11	5	0.3
(1,2215)	1:30:A:ASN:H	1:29:A:LEU:HD13	8	0.3
(1,2215)	1:30:A:ASN:H	1:29:A:LEU:HD11	19	0.3
(1,2213)	1:30:A:ASN:H	1:34:A:LEU:HD12	9	0.3
(1,2209)	1:30:A:ASN:H	1:33:A:GLU:HB3	12	0.3
(1,2194)	1:12:B:MET:H	1:79:B:LEU:HD13	11	0.3
(1,2193)	1:12:A:MET:H	1:79:A:LEU:HD13	11	0.3
(1,2116)	1:101:B:LYS:H	1:100:B:LYS:HB2	6	0.3
(1,2115)	1:101:A:LYS:H	1:100:A:LYS:HB2	6	0.3
(1,2096)	1:26:B:LYS:H	1:26:B:LYS:HG3	10	0.3
(1,2096)	1:26:B:LYS:H	1:26:B:LYS:HG3	12	0.3
(1,2095)	1:26:A:LYS:H	1:26:A:LYS:HG3	10	0.3
(1,2095)	1:26:A:LYS:H	1:26:A:LYS:HG3	19	0.3
(1,2085)	1:39:A:THR:HB	1:40:A:ARG:HD2	1	0.3
(1,2085)	1:39:A:THR:HB	1:40:A:ARG:HD2	6	0.3
(1,2085)	1:39:A:THR:HB	1:40:A:ARG:HD2	9	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2085)	1:39:A:THR:HB	1:40:A:ARG:HD2	16	0.3
(1,2012)	1:94:B:PRO:HA	1:95:B:ASP:HB2	5	0.3
(1,2011)	1:94:A:PRO:HA	1:95:A:ASP:HB2	5	0.3
(1,1932)	1:32:B:SER:HA	1:31:B:LYS:HD3	13	0.3
(1,1931)	1:32:A:SER:HA	1:31:A:LYS:HD3	11	0.3
(1,1921)	1:86:A:SER:HA	1:13:B:VAL:HG22	2	0.3
(1,1876)	1:82:B:ILE:HG23	1:45:B:PHE:HA	20	0.3
(1,1841)	1:37:A:LEU:HD22	1:37:A:LEU:HA	7	0.3
(1,1822)	1:7:B:LYS:HA	1:7:B:LYS:HD3	3	0.3
(1,1822)	1:7:B:LYS:HA	1:7:B:LYS:HD3	10	0.3
(1,1821)	1:7:A:LYS:HA	1:7:A:LYS:HD3	3	0.3
(1,1710)	1:5:B:LEU:HA	1:5:B:LEU:HD11	6	0.3
(1,1609)	1:25:A:ASP:HB2	1:28:A:LYS:HA	10	0.3
(1,1596)	1:95:B:ASP:HA	1:96:B:LYS:HG2	3	0.3
(1,1595)	1:95:A:ASP:HA	1:96:A:LYS:HG2	3	0.3
(1,1486)	1:42:B:LEU:HB3	1:41:B:GLU:HB3	16	0.3
(1,1452)	1:29:B:LEU:HB2	1:37:B:LEU:HB3	13	0.3
(1,1451)	1:29:A:LEU:HB2	1:37:A:LEU:HB3	13	0.3
(1,1447)	1:29:A:LEU:HB2	1:33:A:GLU:HB3	11	0.3
(1,1447)	1:29:A:LEU:HB2	1:33:A:GLU:HB3	16	0.3
(1,1435)	1:99:A:ARG:HD3	1:98:A:PRO:HA	18	0.3
(1,1408)	1:39:B:THR:HG23	1:40:B:ARG:HD3	18	0.3
(1,1407)	1:39:A:THR:HG23	1:40:A:ARG:HD3	18	0.3
(1,1370)	1:22:B:LYS:HE2	1:18:B:LYS:HG2	11	0.3
(1,1330)	1:18:B:LYS:HE3	1:19:B:TYR:HA	12	0.3
(1,1313)	1:58:A:LEU:HB3	1:62:A:LEU:HD11	5	0.3
(1,1268)	1:19:B:TYR:HB3	1:29:B:LEU:HD11	2	0.3
(1,1218)	1:57:B:LYS:HE3	1:54:B:ALA:H	17	0.3
(1,1217)	1:57:A:LYS:HE3	1:54:A:ALA:H	17	0.3
(1,1122)	1:70:B:VAL:HG11	1:74:B:GLU:HG2	5	0.3
(1,1121)	1:70:A:VAL:HG11	1:74:A:GLU:HG2	5	0.3
(1,1094)	1:91:B:GLU:HG3	1:95:B:ASP:HB3	3	0.3
(1,1078)	1:52:B:GLU:HG3	1:53:B:ALA:HB2	6	0.3
(1,1078)	1:52:B:GLU:HG3	1:53:B:ALA:HB2	11	0.3
(1,1077)	1:52:A:GLU:HG3	1:53:A:ALA:HB2	6	0.3
(1,1047)	1:23:A:GLU:HG2	1:33:A:GLU:HG3	10	0.3
(1,1046)	1:52:B:GLU:HG2	1:52:B:GLU:HA	15	0.3
(1,1045)	1:52:A:GLU:HG2	1:52:A:GLU:HA	15	0.3
(1,1042)	1:52:B:GLU:HG3	1:53:B:ALA:H	6	0.3
(1,1042)	1:52:B:GLU:HG3	1:53:B:ALA:H	12	0.3
(1,1041)	1:52:A:GLU:HG3	1:53:A:ALA:H	12	0.3
(1,1041)	1:52:A:GLU:HG2	1:53:A:ALA:H	15	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,950)	1:12:B:MET:HB2	1:9:A:LEU:HD13	16	0.3
(1,949)	1:12:A:MET:HB2	1:9:B:LEU:HD11	6	0.3
(1,892)	1:31:B:LYS:HB2	1:30:B:ASN:HA	18	0.3
(1,842)	1:29:B:LEU:HD11	1:33:B:GLU:HB3	10	0.3
(1,841)	1:29:A:LEU:HD11	1:33:A:GLU:HB3	10	0.3
(1,822)	1:43:B:PRO:HB2	1:44:B:SER:HB2	5	0.3
(1,822)	1:43:B:PRO:HB2	1:44:B:SER:HB2	16	0.3
(1,821)	1:43:A:PRO:HB2	1:44:A:SER:HB2	8	0.3
(1,821)	1:43:A:PRO:HB2	1:44:A:SER:HB2	16	0.3
(1,748)	1:36:B:GLU:HB2	1:37:B:LEU:HD12	2	0.3
(1,747)	1:36:A:GLU:HB2	1:37:A:LEU:HD12	2	0.3
(1,562)	1:9:B:LEU:HG	1:10:B:ASP:HB2	6	0.3
(1,562)	1:9:B:LEU:HG	1:10:B:ASP:HB2	10	0.3
(1,562)	1:9:B:LEU:HG	1:10:B:ASP:HB2	17	0.3
(1,494)	1:34:B:LEU:H	1:34:B:LEU:HD21	3	0.3
(1,493)	1:34:A:LEU:H	1:34:A:LEU:HD21	3	0.3
(1,480)	1:79:B:LEU:HG	1:12:B:MET:HB2	16	0.3
(1,479)	1:79:A:LEU:HG	1:12:A:MET:HB2	16	0.3
(1,479)	1:79:A:LEU:HG	1:12:A:MET:HB3	17	0.3
(1,475)	1:28:A:LYS:HG2	1:25:A:ASP:HB2	20	0.3
(1,460)	1:46:B:LEU:HD21	1:82:B:ILE:HD12	12	0.3
(1,430)	1:5:B:LEU:HD22	1:9:A:LEU:HA	11	0.3
(1,401)	1:31:A:LYS:HG2	1:59:A:MET:HG3	3	0.3
(1,392)	1:46:B:LEU:HD23	1:46:B:LEU:H	17	0.3
(1,391)	1:46:A:LEU:HD23	1:46:A:LEU:H	17	0.3
(1,366)	1:96:B:LYS:HG2	1:91:B:GLU:H	11	0.3
(1,338)	1:58:B:LEU:HD12	1:61:B:ASN:HB3	9	0.3
(1,337)	1:58:A:LEU:HD12	1:61:A:ASN:HB3	9	0.3
(1,288)	1:38:B:LEU:HD13	1:42:B:LEU:HA	11	0.3
(1,287)	1:38:A:LEU:HD13	1:42:A:LEU:HA	11	0.3
(1,271)	1:39:A:THR:HG22	1:38:A:LEU:HD13	16	0.3
(1,268)	1:9:B:LEU:HD12	1:12:A:MET:HB2	19	0.3
(1,262)	1:38:B:LEU:HD13	1:45:B:PHE:HA	5	0.3
(1,262)	1:38:B:LEU:HD12	1:45:B:PHE:HA	12	0.3
(1,261)	1:38:A:LEU:HD13	1:45:A:PHE:HA	5	0.3
(1,261)	1:38:A:LEU:HD12	1:45:A:PHE:HA	12	0.3
(1,206)	1:34:B:LEU:HD13	1:38:B:LEU:H	14	0.3
(1,144)	1:12:B:MET:H	1:11:B:VAL:HG13	2	0.3
(1,144)	1:12:B:MET:H	1:11:B:VAL:HG12	11	0.3
(1,144)	1:12:B:MET:H	1:11:B:VAL:HG11	14	0.3
(1,143)	1:12:A:MET:H	1:11:A:VAL:HG12	11	0.3
(1,143)	1:12:A:MET:H	1:11:A:VAL:HG11	14	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,123)	1:2:A:ALA:HB1	1:5:A:LEU:HD13	2	0.3
(1,84)	1:8:B:ALA:HB3	1:10:B:ASP:HB3	1	0.3
(1,84)	1:8:B:ALA:HB3	1:10:B:ASP:HB3	7	0.3
(1,84)	1:8:B:ALA:HB3	1:10:B:ASP:HB3	12	0.3
(1,84)	1:8:B:ALA:HB1	1:10:B:ASP:HB3	17	0.3
(1,83)	1:8:A:ALA:HB3	1:10:A:ASP:HB3	1	0.3
(1,83)	1:8:A:ALA:HB3	1:10:A:ASP:HB3	12	0.3
(1,12)	1:5:B:LEU:HD21	1:42:A:LEU:HG	3	0.3
(1,11)	1:5:A:LEU:HD23	1:42:B:LEU:HG	4	0.3
(1,10)	1:5:B:LEU:HD11	1:15:A:THR:HB	9	0.3
(1,8)	1:79:B:LEU:HD13	1:9:A:LEU:HD21	12	0.3
(1,7)	1:79:A:LEU:HD11	1:9:B:LEU:HD21	13	0.3
(2,288)	1:50:B:THR:H	1:48:B:LYS:HB2	16	0.29
(2,222)	1:5:B:LEU:H	1:41:A:GLU:HA	3	0.29
(2,222)	1:5:B:LEU:H	1:41:A:GLU:HA	4	0.29
(2,222)	1:5:B:LEU:H	1:41:A:GLU:HA	5	0.29
(2,221)	1:5:A:LEU:H	1:41:B:GLU:HA	3	0.29
(2,221)	1:5:A:LEU:H	1:41:B:GLU:HA	10	0.29
(2,170)	1:70:B:VAL:H	1:30:B:ASN:HB2	4	0.29
(2,170)	1:70:B:VAL:H	1:30:B:ASN:HB2	8	0.29
(2,170)	1:70:B:VAL:H	1:30:B:ASN:HB2	13	0.29
(2,170)	1:70:B:VAL:H	1:30:B:ASN:HB2	19	0.29
(2,169)	1:70:A:VAL:H	1:30:A:ASN:HB2	4	0.29
(2,68)	1:59:B:MET:HB3	1:34:B:LEU:HB3	11	0.29
(2,67)	1:59:A:MET:HB3	1:34:A:LEU:HB3	11	0.29
(2,45)	1:59:A:MET:HG3	1:66:A:ARG:HD2	15	0.29
(1,4603)	1:73:A:GLN:H	1:13:A:VAL:HG13	17	0.29
(1,4598)	1:62:B:LEU:H	1:70:B:VAL:HG23	4	0.29
(1,4598)	1:62:B:LEU:H	1:70:B:VAL:HG22	8	0.29
(1,4597)	1:62:A:LEU:H	1:70:A:VAL:HG23	4	0.29
(1,4597)	1:62:A:LEU:H	1:70:A:VAL:HG22	8	0.29
(1,4578)	1:39:B:THR:H	1:36:B:GLU:HG3	15	0.29
(1,4559)	1:73:A:GLN:HE21	1:65:A:ASN:HB3	9	0.29
(1,4521)	1:80:A:SER:H	1:82:A:ILE:HG13	4	0.29
(1,4500)	1:87:B:ASN:HD21	1:96:B:LYS:H	1	0.29
(1,4499)	1:87:A:ASN:HD21	1:96:A:LYS:H	1	0.29
(1,4464)	1:31:B:LYS:H	1:34:B:LEU:HD23	7	0.29
(1,4438)	1:38:B:LEU:H	1:37:B:LEU:HG	18	0.29
(1,4437)	1:38:A:LEU:H	1:37:A:LEU:HG	18	0.29
(1,4396)	1:72:B:PHE:H	1:77:B:VAL:H	10	0.29
(1,4395)	1:72:A:PHE:H	1:77:A:VAL:H	10	0.29
(1,4390)	1:76:B:SER:H	1:79:B:LEU:HD13	4	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4348)	1:16:B:PHE:H	1:37:B:LEU:HD11	9	0.29
(1,4347)	1:16:A:PHE:H	1:37:A:LEU:HD11	9	0.29
(1,4336)	1:6:B:GLU:H	1:5:B:LEU:HG	10	0.29
(1,4335)	1:6:A:GLU:H	1:5:A:LEU:HG	10	0.29
(1,4316)	1:74:B:GLU:H	1:70:B:VAL:HG22	13	0.29
(1,4315)	1:74:A:GLU:H	1:70:A:VAL:HG22	13	0.29
(1,4310)	1:22:B:LYS:H	1:17:B:HIS:HA	19	0.29
(1,4309)	1:22:A:LYS:H	1:17:A:HIS:HA	19	0.29
(1,4254)	1:77:B:VAL:H	1:62:B:LEU:HB3	14	0.29
(1,4253)	1:77:A:VAL:H	1:62:A:LEU:HB3	14	0.29
(1,4248)	1:12:B:MET:H	1:11:B:VAL:HG12	6	0.29
(1,4248)	1:12:B:MET:H	1:11:B:VAL:HG11	15	0.29
(1,4247)	1:12:A:MET:H	1:11:A:VAL:HG12	1	0.29
(1,4247)	1:12:A:MET:H	1:11:A:VAL:HG12	6	0.29
(1,4247)	1:12:A:MET:H	1:11:A:VAL:HG11	15	0.29
(1,4192)	1:11:B:VAL:HA	1:8:B:ALA:HB2	3	0.29
(1,4152)	1:13:B:VAL:HG12	1:14:B:SER:HA	4	0.29
(1,4151)	1:55:A:PHE:HA	1:58:A:LEU:HD23	6	0.29
(1,4151)	1:55:A:PHE:HA	1:58:A:LEU:HD23	10	0.29
(1,4144)	1:20:B:SER:HA	1:17:B:HIS:HA	9	0.29
(1,4136)	1:20:B:SER:HB3	1:29:B:LEU:HB2	1	0.29
(1,4136)	1:20:B:SER:HB3	1:29:B:LEU:HB2	2	0.29
(1,4135)	1:20:A:SER:HB3	1:29:A:LEU:HB2	1	0.29
(1,4134)	1:70:B:VAL:HA	1:62:B:LEU:HB3	19	0.29
(1,4133)	1:70:A:VAL:HA	1:62:A:LEU:HB3	19	0.29
(1,4110)	1:2:B:ALA:HB1	1:6:B:GLU:HA	5	0.29
(1,4109)	1:2:A:ALA:HB1	1:6:A:GLU:HA	5	0.29
(1,4109)	1:2:A:ALA:HB1	1:6:A:GLU:HA	11	0.29
(1,4062)	1:10:B:ASP:HA	1:82:A:ILE:HB	2	0.29
(1,4062)	1:10:B:ASP:HA	1:82:A:ILE:HB	18	0.29
(1,4061)	1:10:A:ASP:HA	1:82:B:ILE:HB	2	0.29
(1,4042)	1:99:B:ARG:HA	1:98:B:PRO:HB3	3	0.29
(1,4041)	1:99:A:ARG:HA	1:98:A:PRO:HB3	3	0.29
(1,4005)	1:61:A:ASN:HA	1:57:A:LYS:HA	6	0.29
(1,3980)	1:42:B:LEU:HA	1:44:B:SER:HB3	8	0.29
(1,3964)	1:2:B:ALA:HA	1:15:A:THR:HA	5	0.29
(1,3964)	1:2:B:ALA:HA	1:15:A:THR:HA	13	0.29
(1,3963)	1:2:A:ALA:HA	1:15:B:THR:HA	5	0.29
(1,3950)	1:21:B:GLY:HA3	1:22:B:LYS:HD3	12	0.29
(1,3950)	1:21:B:GLY:HA3	1:22:B:LYS:HD3	19	0.29
(1,3946)	1:42:B:LEU:HB2	1:79:B:LEU:HD23	5	0.29
(1,3946)	1:42:B:LEU:HB2	1:79:B:LEU:HD23	9	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3945)	1:42:A:LEU:HB2	1:79:A:LEU:HD23	5	0.29
(1,3945)	1:42:A:LEU:HB2	1:79:A:LEU:HD23	9	0.29
(1,3937)	1:42:A:LEU:HB3	1:6:B:GLU:HB3	6	0.29
(1,3848)	1:9:B:LEU:HB2	1:79:A:LEU:HD13	20	0.29
(1,3847)	1:9:A:LEU:HB2	1:79:B:LEU:HD13	20	0.29
(1,3812)	1:18:B:LYS:HB3	1:16:B:PHE:HB2	6	0.29
(1,3812)	1:18:B:LYS:HB3	1:16:B:PHE:HB2	7	0.29
(1,3812)	1:18:B:LYS:HB3	1:16:B:PHE:HB2	12	0.29
(1,3811)	1:18:A:LYS:HB3	1:16:A:PHE:HB2	12	0.29
(1,3788)	1:55:B:PHE:HB2	1:35:B:LYS:HB2	10	0.29
(1,3787)	1:55:A:PHE:HB2	1:35:A:LYS:HB2	10	0.29
(1,3779)	1:57:A:LYS:HB3	1:61:A:ASN:HB3	5	0.29
(1,3779)	1:57:A:LYS:HB3	1:61:A:ASN:HB3	12	0.29
(1,3724)	1:69:B:GLU:HG2	1:29:B:LEU:HA	9	0.29
(1,3724)	1:69:B:GLU:HG2	1:29:B:LEU:HA	17	0.29
(1,3724)	1:69:B:GLU:HG2	1:29:B:LEU:HA	20	0.29
(1,3723)	1:69:A:GLU:HG2	1:29:A:LEU:HA	9	0.29
(1,3723)	1:69:A:GLU:HG2	1:29:A:LEU:HA	20	0.29
(1,3632)	1:59:B:MET:HB3	1:34:B:LEU:HB3	11	0.29
(1,3631)	1:59:A:MET:HB3	1:34:A:LEU:HB3	11	0.29
(1,3624)	1:43:B:PRO:HB3	1:39:B:THR:HA	2	0.29
(1,3595)	1:11:A:VAL:HG22	1:7:A:LYS:HD3	18	0.29
(1,3592)	1:35:B:LYS:HD2	1:31:B:LYS:HG2	12	0.29
(1,3592)	1:35:B:LYS:HD2	1:31:B:LYS:HG2	18	0.29
(1,3591)	1:35:A:LYS:HD2	1:31:A:LYS:HG2	12	0.29
(1,3591)	1:35:A:LYS:HD2	1:31:A:LYS:HG2	18	0.29
(1,3586)	1:88:B:GLU:HB2	1:91:B:GLU:HB2	5	0.29
(1,3585)	1:88:A:GLU:HB2	1:91:A:GLU:HB2	5	0.29
(1,3584)	1:7:B:LYS:HD3	1:7:B:LYS:HB3	15	0.29
(1,3583)	1:7:A:LYS:HD3	1:7:A:LYS:HB3	15	0.29
(1,3551)	1:94:A:PRO:HG3	1:101:A:LYS:HD2	5	0.29
(1,3542)	1:37:B:LEU:HD13	1:17:B:HIS:HA	6	0.29
(1,3541)	1:37:A:LEU:HD13	1:17:A:HIS:HA	6	0.29
(1,3476)	1:46:B:LEU:HD23	1:45:B:PHE:HB3	13	0.29
(1,3472)	1:31:B:LYS:HG3	1:34:B:LEU:HD22	18	0.29
(1,3471)	1:31:A:LYS:HG3	1:34:A:LEU:HD22	18	0.29
(1,3412)	1:13:B:VAL:HG11	1:13:B:VAL:HG21	4	0.29
(1,3412)	1:11:B:VAL:HG13	1:11:B:VAL:HG21	6	0.29
(1,3412)	1:13:B:VAL:HG12	1:13:B:VAL:HG21	7	0.29
(1,3412)	1:13:B:VAL:HG12	1:13:B:VAL:HG21	9	0.29
(1,3412)	1:13:B:VAL:HG13	1:13:B:VAL:HG23	20	0.29
(1,3411)	1:11:A:VAL:HG11	1:11:A:VAL:HG21	2	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3411)	1:13:A:VAL:HG11	1:13:A:VAL:HG21	4	0.29
(1,3411)	1:11:A:VAL:HG13	1:11:A:VAL:HG21	6	0.29
(1,3411)	1:13:A:VAL:HG12	1:13:A:VAL:HG21	9	0.29
(1,3411)	1:11:A:VAL:HG13	1:11:A:VAL:HG21	16	0.29
(1,3394)	1:77:B:VAL:HG21	1:74:B:GLU:HA	10	0.29
(1,3394)	1:77:B:VAL:HG22	1:74:B:GLU:HA	11	0.29
(1,3393)	1:77:A:VAL:HG21	1:74:A:GLU:HA	10	0.29
(1,3393)	1:77:A:VAL:HG22	1:74:A:GLU:HA	11	0.29
(1,3392)	1:68:B:ASN:HD21	1:70:B:VAL:HG21	13	0.29
(1,3391)	1:68:A:ASN:HD21	1:70:A:VAL:HG21	13	0.29
(1,3366)	1:39:B:THR:HG22	1:38:B:LEU:HD13	16	0.29
(1,3343)	1:77:A:VAL:HG12	1:84:B:MET:HG2	6	0.29
(1,3188)	1:39:B:THR:H	1:46:B:LEU:HD13	3	0.29
(1,3188)	1:39:B:THR:H	1:46:B:LEU:HD13	15	0.29
(1,3172)	1:30:B:ASN:HD22	1:22:B:LYS:HE3	11	0.29
(1,3171)	1:30:A:ASN:HD22	1:22:A:LYS:HE3	4	0.29
(1,3171)	1:30:A:ASN:HD22	1:22:A:LYS:HE3	11	0.29
(1,3126)	1:73:B:GLN:HE22	1:73:B:GLN:HG2	16	0.29
(1,3104)	1:65:B:ASN:HD21	1:69:B:GLU:HG3	17	0.29
(1,3067)	1:60:A:SER:H	1:59:A:MET:HG2	6	0.29
(1,2752)	1:34:B:LEU:H	1:29:B:LEU:HD13	20	0.29
(1,2751)	1:34:A:LEU:H	1:29:A:LEU:HD13	20	0.29
(1,2746)	1:34:B:LEU:H	1:33:B:GLU:HG2	5	0.29
(1,2745)	1:34:A:LEU:H	1:33:A:GLU:HG2	5	0.29
(1,2712)	1:15:B:THR:H	1:2:A:ALA:HB2	4	0.29
(1,2546)	1:93:B:PHE:H	1:96:B:LYS:HE2	13	0.29
(1,2545)	1:93:A:PHE:H	1:96:A:LYS:HE2	13	0.29
(1,2478)	1:87:B:ASN:H	1:13:A:VAL:HG21	9	0.29
(1,2478)	1:87:B:ASN:H	1:13:A:VAL:HG23	13	0.29
(1,2416)	1:52:B:GLU:H	1:53:B:ALA:HB2	19	0.29
(1,2324)	1:78:B:PHE:H	1:82:B:ILE:HD12	9	0.29
(1,2323)	1:78:A:PHE:H	1:82:A:ILE:HD12	9	0.29
(1,2316)	1:78:B:PHE:H	1:84:A:MET:HG2	13	0.29
(1,2287)	1:3:A:SER:H	1:6:A:GLU:HA	11	0.29
(1,2286)	1:3:B:SER:H	1:40:A:ARG:HA	18	0.29
(1,2285)	1:3:A:SER:H	1:40:B:ARG:HA	16	0.29
(1,2216)	1:30:B:ASN:H	1:29:B:LEU:HD13	4	0.29
(1,2215)	1:30:A:ASN:H	1:29:A:LEU:HD13	4	0.29
(1,2214)	1:30:B:ASN:H	1:34:B:LEU:HD12	9	0.29
(1,2214)	1:30:B:ASN:H	1:34:B:LEU:HD12	10	0.29
(1,2213)	1:30:A:ASN:H	1:34:A:LEU:HD12	10	0.29
(1,2213)	1:30:A:ASN:H	1:34:A:LEU:HD13	16	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2210)	1:30:B:ASN:H	1:33:B:GLU:HB3	12	0.29
(1,2162)	1:70:B:VAL:H	1:31:B:LYS:HA	12	0.29
(1,2161)	1:70:A:VAL:H	1:31:A:LYS:HA	12	0.29
(1,2096)	1:26:B:LYS:H	1:26:B:LYS:HG3	19	0.29
(1,2095)	1:26:A:LYS:H	1:26:A:LYS:HG3	12	0.29
(1,2086)	1:39:B:THR:HB	1:40:B:ARG:HD2	6	0.29
(1,2086)	1:39:B:THR:HB	1:40:B:ARG:HD2	14	0.29
(1,2085)	1:39:A:THR:HB	1:40:A:ARG:HD2	14	0.29
(1,2076)	1:50:B:THR:HB	1:35:B:LYS:HE2	16	0.29
(1,2076)	1:50:B:THR:HB	1:35:B:LYS:HE2	17	0.29
(1,2075)	1:50:A:THR:HB	1:35:A:LYS:HE2	16	0.29
(1,2056)	1:77:B:VAL:HA	1:73:B:GLN:HG2	10	0.29
(1,2055)	1:77:A:VAL:HA	1:73:A:GLN:HG2	10	0.29
(1,2035)	1:43:A:PRO:HA	1:7:B:LYS:HD2	16	0.29
(1,2012)	1:94:B:PRO:HA	1:95:B:ASP:HB3	9	0.29
(1,2011)	1:94:A:PRO:HA	1:95:A:ASP:HB3	9	0.29
(1,1932)	1:32:B:SER:HA	1:31:B:LYS:HD3	11	0.29
(1,1821)	1:7:A:LYS:HA	1:7:A:LYS:HD3	10	0.29
(1,1780)	1:74:B:GLU:HG3	1:74:B:GLU:HA	18	0.29
(1,1779)	1:74:A:GLU:HG3	1:74:A:GLU:HA	18	0.29
(1,1709)	1:5:A:LEU:HA	1:5:A:LEU:HD11	6	0.29
(1,1522)	1:21:B:GLY:HA3	1:26:B:LYS:HG3	11	0.29
(1,1448)	1:29:B:LEU:HB2	1:33:B:GLU:HB3	16	0.29
(1,1436)	1:99:B:ARG:HD3	1:98:B:PRO:HA	11	0.29
(1,1368)	1:18:B:LYS:HE2	1:11:B:VAL:HG11	14	0.29
(1,1329)	1:18:A:LYS:HE3	1:19:A:TYR:HA	12	0.29
(1,1314)	1:58:B:LEU:HB3	1:62:B:LEU:HD11	5	0.29
(1,1267)	1:19:A:TYR:HB3	1:29:A:LEU:HD11	2	0.29
(1,1251)	1:63:A:ASP:HB2	1:60:A:SER:HA	13	0.29
(1,1190)	1:28:B:LYS:HB2	1:26:B:LYS:HA	15	0.29
(1,1189)	1:28:A:LYS:HB2	1:26:A:LYS:HA	15	0.29
(1,1093)	1:91:A:GLU:HG3	1:95:A:ASP:HB3	3	0.29
(1,1077)	1:52:A:GLU:HG3	1:53:A:ALA:HB2	11	0.29
(1,1072)	1:52:B:GLU:HB3	1:52:B:GLU:HG2	11	0.29
(1,1071)	1:52:A:GLU:HB2	1:52:A:GLU:HG3	11	0.29
(1,1042)	1:52:B:GLU:HG3	1:53:B:ALA:H	10	0.29
(1,1042)	1:52:B:GLU:HG2	1:53:B:ALA:H	15	0.29
(1,1041)	1:52:A:GLU:HG3	1:53:A:ALA:H	6	0.29
(1,1041)	1:52:A:GLU:HG3	1:53:A:ALA:H	10	0.29
(1,994)	1:74:B:GLU:H	1:73:B:GLN:HG2	16	0.29
(1,993)	1:74:A:GLU:H	1:73:A:GLN:HG2	13	0.29
(1,993)	1:74:A:GLU:H	1:73:A:GLN:HG2	16	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,960)	1:22:B:LYS:HB3	1:33:B:GLU:HG2	2	0.29
(1,959)	1:22:A:LYS:HB3	1:33:A:GLU:HG2	2	0.29
(1,950)	1:12:B:MET:HB2	1:9:A:LEU:HD11	6	0.29
(1,950)	1:12:B:MET:HB2	1:9:A:LEU:HD12	15	0.29
(1,949)	1:12:A:MET:HB2	1:9:B:LEU:HD11	7	0.29
(1,949)	1:12:A:MET:HB2	1:9:B:LEU:HD12	15	0.29
(1,944)	1:59:B:MET:HG3	1:31:B:LYS:HE3	9	0.29
(1,943)	1:59:A:MET:HG3	1:31:A:LYS:HE3	9	0.29
(1,920)	1:48:B:LYS:HB2	1:48:B:LYS:HE2	16	0.29
(1,919)	1:48:A:LYS:HB2	1:48:A:LYS:HE2	16	0.29
(1,822)	1:43:B:PRO:HB2	1:44:B:SER:HB2	11	0.29
(1,822)	1:43:B:PRO:HB2	1:44:B:SER:HB2	12	0.29
(1,822)	1:43:B:PRO:HB2	1:44:B:SER:HB2	17	0.29
(1,821)	1:43:A:PRO:HB2	1:44:A:SER:HB2	5	0.29
(1,821)	1:43:A:PRO:HB2	1:44:A:SER:HB2	11	0.29
(1,756)	1:31:B:LYS:HD3	1:56:B:GLN:HE21	2	0.29
(1,748)	1:36:B:GLU:HB2	1:37:B:LEU:HD13	9	0.29
(1,747)	1:36:A:GLU:HB2	1:37:A:LEU:HD13	9	0.29
(1,727)	1:26:A:LYS:HD3	1:22:A:LYS:HA	13	0.29
(1,710)	1:22:B:LYS:HD3	1:37:B:LEU:HB2	10	0.29
(1,709)	1:22:A:LYS:HD3	1:37:A:LEU:HB2	10	0.29
(1,614)	1:29:B:LEU:HD22	1:22:B:LYS:HD3	20	0.29
(1,613)	1:29:A:LEU:HD22	1:22:A:LYS:HD3	20	0.29
(1,610)	1:37:B:LEU:HD23	1:41:B:GLU:HG2	3	0.29
(1,609)	1:37:A:LEU:HD23	1:41:A:GLU:HG2	3	0.29
(1,580)	1:29:B:LEU:HD23	1:70:B:VAL:H	6	0.29
(1,579)	1:29:A:LEU:HD23	1:70:A:VAL:H	6	0.29
(1,562)	1:9:B:LEU:HG	1:10:B:ASP:HB2	7	0.29
(1,561)	1:9:A:LEU:HG	1:10:A:ASP:HB2	6	0.29
(1,561)	1:9:A:LEU:HG	1:10:A:ASP:HB2	7	0.29
(1,561)	1:9:A:LEU:HG	1:10:A:ASP:HB2	10	0.29
(1,561)	1:9:A:LEU:HG	1:10:A:ASP:HB2	13	0.29
(1,561)	1:9:A:LEU:HG	1:10:A:ASP:HB2	17	0.29
(1,508)	1:34:B:LEU:HD22	1:59:B:MET:HG2	16	0.29
(1,507)	1:34:A:LEU:HD22	1:59:A:MET:HG2	16	0.29
(1,480)	1:79:B:LEU:HG	1:12:B:MET:HB3	17	0.29
(1,476)	1:28:B:LYS:HG2	1:25:B:ASP:HB2	20	0.29
(1,475)	1:28:A:LYS:HG2	1:25:A:ASP:HB2	10	0.29
(1,460)	1:46:B:LEU:HD22	1:82:B:ILE:HD11	20	0.29
(1,459)	1:46:A:LEU:HD21	1:82:A:ILE:HD12	12	0.29
(1,459)	1:46:A:LEU:HD22	1:82:A:ILE:HD11	20	0.29
(1,430)	1:5:B:LEU:HD22	1:9:A:LEU:HA	5	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,430)	1:5:B:LEU:HD21	1:9:A:LEU:HA	20	0.29
(1,429)	1:5:A:LEU:HD22	1:9:B:LEU:HA	5	0.29
(1,429)	1:5:A:LEU:HD22	1:9:B:LEU:HA	11	0.29
(1,429)	1:5:A:LEU:HD21	1:9:B:LEU:HA	20	0.29
(1,402)	1:31:B:LYS:HG2	1:59:B:MET:HG3	3	0.29
(1,398)	1:7:B:LYS:HG3	1:7:B:LYS:HA	19	0.29
(1,397)	1:7:A:LYS:HG3	1:7:A:LYS:HA	19	0.29
(1,392)	1:46:B:LEU:HD22	1:46:B:LEU:H	5	0.29
(1,392)	1:46:B:LEU:HD22	1:46:B:LEU:H	8	0.29
(1,391)	1:46:A:LEU:HD22	1:46:A:LEU:H	5	0.29
(1,391)	1:46:A:LEU:HD22	1:46:A:LEU:H	8	0.29
(1,314)	1:62:B:LEU:HD21	1:58:B:LEU:HD13	16	0.29
(1,313)	1:62:A:LEU:HD21	1:58:A:LEU:HD13	16	0.29
(1,272)	1:39:B:THR:HG22	1:38:B:LEU:HD13	16	0.29
(1,267)	1:9:A:LEU:HD12	1:12:B:MET:HB2	19	0.29
(1,254)	1:5:B:LEU:HD13	1:5:B:LEU:HB3	7	0.29
(1,253)	1:5:A:LEU:HD13	1:5:A:LEU:HB3	7	0.29
(1,172)	1:50:B:THR:HG22	1:48:B:LYS:HA	4	0.29
(1,172)	1:50:B:THR:HG22	1:48:B:LYS:HA	15	0.29
(1,171)	1:50:A:THR:HG22	1:48:A:LYS:HA	4	0.29
(1,171)	1:50:A:THR:HG22	1:48:A:LYS:HA	15	0.29
(1,144)	1:12:B:MET:H	1:11:B:VAL:HG13	5	0.29
(1,144)	1:12:B:MET:H	1:11:B:VAL:HG11	9	0.29
(1,144)	1:12:B:MET:H	1:11:B:VAL:HG12	16	0.29
(1,144)	1:12:B:MET:H	1:11:B:VAL:HG11	18	0.29
(1,144)	1:12:B:MET:H	1:11:B:VAL:HG13	19	0.29
(1,143)	1:12:A:MET:H	1:11:A:VAL:HG13	5	0.29
(1,143)	1:12:A:MET:H	1:11:A:VAL:HG11	9	0.29
(1,143)	1:12:A:MET:H	1:11:A:VAL:HG12	16	0.29
(1,143)	1:12:A:MET:H	1:11:A:VAL:HG11	18	0.29
(1,136)	1:77:B:VAL:HG11	1:73:B:GLN:HG3	9	0.29
(1,135)	1:77:A:VAL:HG11	1:73:A:GLN:HG3	9	0.29
(1,124)	1:2:B:ALA:HB1	1:5:B:LEU:HD13	2	0.29
(1,114)	1:2:B:ALA:HB3	1:6:B:GLU:HA	1	0.29
(1,113)	1:2:A:ALA:HB3	1:6:A:GLU:HA	1	0.29
(1,83)	1:8:A:ALA:HB2	1:10:A:ASP:HB3	2	0.29
(1,83)	1:8:A:ALA:HB1	1:10:A:ASP:HB3	17	0.29
(1,28)	1:83:B:ALA:H	1:82:B:ILE:HD12	7	0.29
(1,27)	1:83:A:ALA:H	1:82:A:ILE:HD12	7	0.29
(1,12)	1:5:B:LEU:HD23	1:42:A:LEU:HG	4	0.29
(1,12)	1:5:B:LEU:HD21	1:42:A:LEU:HG	8	0.29
(1,11)	1:5:A:LEU:HD21	1:42:B:LEU:HG	8	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10)	1:5:B:LEU:HD13	1:15:A:THR:HB	12	0.29
(1,9)	1:5:A:LEU:HD11	1:15:B:THR:HB	9	0.29
(1,9)	1:5:A:LEU:HD13	1:15:B:THR:HB	12	0.29
(1,6)	1:7:B:LYS:HD2	1:44:A:SER:HA	14	0.29
(1,5)	1:7:A:LYS:HD2	1:44:B:SER:HA	14	0.29
(2,287)	1:50:A:THR:H	1:48:A:LYS:HB2	16	0.28
(2,221)	1:5:A:LEU:H	1:41:B:GLU:HA	4	0.28
(2,196)	1:22:B:LYS:H	1:19:B:TYR:HB2	19	0.28
(2,195)	1:22:A:LYS:H	1:19:A:TYR:HB2	19	0.28
(2,169)	1:70:A:VAL:H	1:30:A:ASN:HB2	8	0.28
(2,169)	1:70:A:VAL:H	1:30:A:ASN:HB2	13	0.28
(2,169)	1:70:A:VAL:H	1:30:A:ASN:HB2	19	0.28
(2,46)	1:59:B:MET:HG3	1:66:B:ARG:HD2	15	0.28
(2,32)	1:17:B:HIS:HB2	1:21:B:GLY:HA3	9	0.28
(1,4608)	1:81:B:SER:H	1:76:B:SER:H	3	0.28
(1,4607)	1:81:A:SER:H	1:76:A:SER:H	3	0.28
(1,4604)	1:73:B:GLN:H	1:13:B:VAL:HG12	11	0.28
(1,4600)	1:99:B:ARG:H	1:101:B:LYS:HE3	7	0.28
(1,4599)	1:99:A:ARG:H	1:101:A:LYS:HE3	7	0.28
(1,4599)	1:99:A:ARG:H	1:101:A:LYS:HE2	17	0.28
(1,4578)	1:39:B:THR:H	1:36:B:GLU:HG3	11	0.28
(1,4577)	1:39:A:THR:H	1:36:A:GLU:HG3	11	0.28
(1,4568)	1:30:B:ASN:HD22	1:69:B:GLU:HG2	8	0.28
(1,4568)	1:30:B:ASN:HD22	1:69:B:GLU:HG2	11	0.28
(1,4567)	1:30:A:ASN:HD22	1:69:A:GLU:HG2	8	0.28
(1,4567)	1:30:A:ASN:HD22	1:69:A:GLU:HG2	11	0.28
(1,4538)	1:97:B:GLN:HE22	1:88:B:GLU:H	19	0.28
(1,4518)	1:20:B:SER:H	1:26:B:LYS:HD2	7	0.28
(1,4517)	1:20:A:SER:H	1:26:A:LYS:HD2	7	0.28
(1,4510)	1:32:B:SER:H	1:34:B:LEU:HD22	6	0.28
(1,4510)	1:32:B:SER:H	1:34:B:LEU:HD22	18	0.28
(1,4509)	1:32:A:SER:H	1:34:A:LEU:HD22	6	0.28
(1,4509)	1:32:A:SER:H	1:34:A:LEU:HD22	18	0.28
(1,4438)	1:38:B:LEU:H	1:37:B:LEU:HG	15	0.28
(1,4437)	1:38:A:LEU:H	1:37:A:LEU:HG	15	0.28
(1,4424)	1:35:B:LYS:H	1:29:B:LEU:HD11	2	0.28
(1,4423)	1:35:A:LYS:H	1:29:A:LEU:HD11	2	0.28
(1,4418)	1:35:B:LYS:H	1:36:B:GLU:HG3	5	0.28
(1,4417)	1:35:A:LYS:H	1:36:A:GLU:HG3	5	0.28
(1,4396)	1:72:B:PHE:H	1:77:B:VAL:H	7	0.28
(1,4396)	1:72:B:PHE:H	1:77:B:VAL:H	18	0.28
(1,4395)	1:72:A:PHE:H	1:77:A:VAL:H	7	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4395)	1:72:A:PHE:H	1:77:A:VAL:H	18	0.28
(1,4391)	1:7:A:LYS:H	1:42:B:LEU:HD22	8	0.28
(1,4390)	1:76:B:SER:H	1:79:B:LEU:HD13	2	0.28
(1,4389)	1:76:A:SER:H	1:79:A:LEU:HD13	2	0.28
(1,4389)	1:76:A:SER:H	1:79:A:LEU:HD13	4	0.28
(1,4386)	1:76:B:SER:H	1:77:B:VAL:HG22	4	0.28
(1,4385)	1:76:A:SER:H	1:77:A:VAL:HG22	4	0.28
(1,4376)	1:95:B:ASP:H	1:96:B:LYS:HD3	7	0.28
(1,4375)	1:95:A:ASP:H	1:96:A:LYS:HD3	7	0.28
(1,4366)	1:9:B:LEU:H	1:79:A:LEU:HD12	11	0.28
(1,4365)	1:9:A:LEU:H	1:79:B:LEU:HD13	15	0.28
(1,4336)	1:6:B:GLU:H	1:5:B:LEU:HG	5	0.28
(1,4335)	1:6:A:GLU:H	1:5:A:LEU:HG	5	0.28
(1,4248)	1:12:B:MET:H	1:11:B:VAL:HG12	1	0.28
(1,4228)	1:29:B:LEU:H	1:34:B:LEU:HA	16	0.28
(1,4227)	1:29:A:LEU:H	1:34:A:LEU:HA	16	0.28
(1,4152)	1:55:B:PHE:HA	1:58:B:LEU:HD23	6	0.28
(1,4152)	1:55:B:PHE:HA	1:58:B:LEU:HD23	10	0.28
(1,4151)	1:13:A:VAL:HG12	1:14:A:SER:HA	4	0.28
(1,4136)	1:20:B:SER:HB3	1:29:B:LEU:HB2	9	0.28
(1,4136)	1:20:B:SER:HB3	1:29:B:LEU:HB2	17	0.28
(1,4135)	1:20:A:SER:HB3	1:29:A:LEU:HB2	9	0.28
(1,4135)	1:20:A:SER:HB3	1:29:A:LEU:HB2	17	0.28
(1,4134)	1:70:B:VAL:HA	1:62:B:LEU:HB3	17	0.28
(1,4133)	1:70:A:VAL:HA	1:62:A:LEU:HB3	17	0.28
(1,4110)	1:2:B:ALA:HB1	1:6:B:GLU:HA	11	0.28
(1,4042)	1:99:B:ARG:HA	1:98:B:PRO:HB3	19	0.28
(1,4041)	1:99:A:ARG:HA	1:98:A:PRO:HB3	19	0.28
(1,3972)	1:2:B:ALA:HA	1:11:A:VAL:HG12	11	0.28
(1,3971)	1:2:A:ALA:HA	1:11:B:VAL:HG12	11	0.28
(1,3966)	1:2:B:ALA:HA	1:6:B:GLU:HA	13	0.28
(1,3965)	1:2:A:ALA:HA	1:6:A:GLU:HA	13	0.28
(1,3963)	1:2:A:ALA:HA	1:15:B:THR:HA	13	0.28
(1,3959)	1:99:A:ARG:HD3	1:98:A:PRO:HD2	19	0.28
(1,3953)	1:94:A:PRO:HD3	1:93:A:PHE:H	20	0.28
(1,3950)	1:21:B:GLY:HA3	1:22:B:LYS:HD3	2	0.28
(1,3949)	1:21:A:GLY:HA3	1:22:A:LYS:HD3	2	0.28
(1,3949)	1:21:A:GLY:HA3	1:22:A:LYS:HD3	12	0.28
(1,3926)	1:46:B:LEU:HD23	1:49:B:ARG:HD3	7	0.28
(1,3925)	1:46:A:LEU:HD23	1:49:A:ARG:HD3	7	0.28
(1,3838)	1:34:B:LEU:HB2	1:38:B:LEU:HB2	18	0.28
(1,3837)	1:34:A:LEU:HB2	1:38:A:LEU:HB2	18	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3828)	1:71:B:ASP:HB3	1:73:B:GLN:HE21	9	0.28
(1,3812)	1:18:B:LYS:HB3	1:16:B:PHE:HB2	1	0.28
(1,3812)	1:18:B:LYS:HB3	1:16:B:PHE:HB2	4	0.28
(1,3811)	1:18:A:LYS:HB3	1:16:A:PHE:HB2	1	0.28
(1,3811)	1:18:A:LYS:HB3	1:16:A:PHE:HB2	4	0.28
(1,3811)	1:18:A:LYS:HB3	1:16:A:PHE:HB2	7	0.28
(1,3788)	1:55:B:PHE:HB2	1:35:B:LYS:HB2	8	0.28
(1,3787)	1:55:A:PHE:HB2	1:35:A:LYS:HB2	8	0.28
(1,3780)	1:57:B:LYS:HB3	1:61:B:ASN:HB3	1	0.28
(1,3779)	1:57:A:LYS:HB3	1:61:A:ASN:HB3	1	0.28
(1,3756)	1:70:B:VAL:HG22	1:74:B:GLU:HG3	13	0.28
(1,3755)	1:70:A:VAL:HG22	1:74:A:GLU:HG3	13	0.28
(1,3676)	1:59:B:MET:HG2	1:31:B:LYS:HB2	8	0.28
(1,3643)	1:31:A:LYS:HB3	1:35:A:LYS:HA	17	0.28
(1,3643)	1:31:A:LYS:HB3	1:35:A:LYS:HA	19	0.28
(1,3624)	1:43:B:PRO:HB3	1:47:B:GLY:HA3	3	0.28
(1,3624)	1:43:B:PRO:HB3	1:47:B:GLY:HA3	11	0.28
(1,3623)	1:43:A:PRO:HB3	1:39:A:THR:HA	2	0.28
(1,3600)	1:31:B:LYS:HD2	1:32:B:SER:HB2	1	0.28
(1,3592)	1:35:B:LYS:HD2	1:31:B:LYS:HG2	1	0.28
(1,3592)	1:35:B:LYS:HD2	1:31:B:LYS:HG2	20	0.28
(1,3591)	1:35:A:LYS:HD2	1:31:A:LYS:HG2	1	0.28
(1,3591)	1:35:A:LYS:HD2	1:31:A:LYS:HG2	9	0.28
(1,3591)	1:35:A:LYS:HD2	1:31:A:LYS:HG2	20	0.28
(1,3584)	1:48:B:LYS:HD2	1:48:B:LYS:HB3	19	0.28
(1,3562)	1:56:B:GLN:HB3	1:53:B:ALA:HB3	6	0.28
(1,3561)	1:56:A:GLN:HB3	1:53:A:ALA:HB3	6	0.28
(1,3554)	1:37:B:LEU:HD12	1:29:B:LEU:HA	2	0.28
(1,3553)	1:37:A:LEU:HD12	1:29:A:LEU:HA	2	0.28
(1,3492)	1:81:B:SER:H	1:79:B:LEU:HD23	8	0.28
(1,3491)	1:81:A:SER:H	1:79:A:LEU:HD23	8	0.28
(1,3471)	1:31:A:LYS:HG3	1:34:A:LEU:HD21	9	0.28
(1,3456)	1:21:B:GLY:H	1:26:B:LYS:HG3	16	0.28
(1,3455)	1:21:A:GLY:H	1:26:A:LYS:HG3	16	0.28
(1,3411)	1:11:A:VAL:HG11	1:11:A:VAL:HG21	5	0.28
(1,3411)	1:13:A:VAL:HG12	1:13:A:VAL:HG21	7	0.28
(1,3322)	1:54:B:ALA:HB3	1:46:B:LEU:HD23	7	0.28
(1,3321)	1:54:A:ALA:HB3	1:46:A:LEU:HD23	7	0.28
(1,3316)	1:82:B:ILE:HG22	1:9:A:LEU:HB2	15	0.28
(1,3304)	1:9:B:LEU:HD12	1:15:A:THR:HB	12	0.28
(1,3303)	1:9:A:LEU:HD12	1:15:B:THR:HB	12	0.28
(1,3238)	1:99:B:ARG:H	1:99:B:ARG:HB2	2	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3238)	1:99:B:ARG:H	1:99:B:ARG:HB2	13	0.28
(1,3237)	1:99:A:ARG:H	1:99:A:ARG:HB2	2	0.28
(1,3237)	1:99:A:ARG:H	1:99:A:ARG:HB2	13	0.28
(1,3214)	1:47:B:GLY:H	1:82:B:ILE:HD13	9	0.28
(1,3213)	1:47:A:GLY:H	1:82:A:ILE:HD11	8	0.28
(1,3188)	1:39:B:THR:H	1:46:B:LEU:HD11	20	0.28
(1,3187)	1:39:A:THR:H	1:46:A:LEU:HD13	3	0.28
(1,3187)	1:39:A:THR:H	1:46:A:LEU:HD13	15	0.28
(1,3187)	1:39:A:THR:H	1:46:A:LEU:HD11	20	0.28
(1,3172)	1:30:B:ASN:HD22	1:22:B:LYS:HE3	4	0.28
(1,3126)	1:73:B:GLN:HE22	1:73:B:GLN:HG2	13	0.28
(1,3125)	1:73:A:GLN:HE22	1:73:A:GLN:HG2	13	0.28
(1,3068)	1:60:B:SER:H	1:59:B:MET:HG2	6	0.28
(1,3068)	1:60:B:SER:H	1:59:B:MET:HG2	7	0.28
(1,2820)	1:40:B:ARG:H	1:46:B:LEU:HD12	7	0.28
(1,2819)	1:40:A:ARG:H	1:46:A:LEU:HD12	7	0.28
(1,2646)	1:10:B:ASP:H	1:9:B:LEU:HB3	5	0.28
(1,2645)	1:10:A:ASP:H	1:9:A:LEU:HB3	5	0.28
(1,2546)	1:93:B:PHE:H	1:96:B:LYS:HE3	8	0.28
(1,2545)	1:93:A:PHE:H	1:96:A:LYS:HE3	8	0.28
(1,2545)	1:93:A:PHE:H	1:96:A:LYS:HE3	17	0.28
(1,2477)	1:87:A:ASN:H	1:13:B:VAL:HG23	13	0.28
(1,2440)	1:97:B:GLN:H	1:95:B:ASP:HB3	18	0.28
(1,2439)	1:97:A:GLN:H	1:95:A:ASP:HB3	18	0.28
(1,2415)	1:52:A:GLU:H	1:53:A:ALA:HB3	12	0.28
(1,2324)	1:78:B:PHE:H	1:82:B:ILE:HD11	16	0.28
(1,2323)	1:78:A:PHE:H	1:82:A:ILE:HD11	16	0.28
(1,2315)	1:78:A:PHE:H	1:84:B:MET:HG2	13	0.28
(1,2288)	1:3:B:SER:H	1:6:B:GLU:HA	9	0.28
(1,2288)	1:3:B:SER:H	1:6:B:GLU:HA	11	0.28
(1,2287)	1:3:A:SER:H	1:6:A:GLU:HA	9	0.28
(1,2286)	1:3:B:SER:H	1:40:A:ARG:HA	15	0.28
(1,2285)	1:3:A:SER:H	1:40:B:ARG:HA	15	0.28
(1,2248)	1:8:B:ALA:H	1:43:A:PRO:HD2	14	0.28
(1,2216)	1:30:B:ASN:H	1:29:B:LEU:HD11	2	0.28
(1,2216)	1:30:B:ASN:H	1:29:B:LEU:HD12	3	0.28
(1,2216)	1:30:B:ASN:H	1:29:B:LEU:HD13	12	0.28
(1,2215)	1:30:A:ASN:H	1:29:A:LEU:HD11	2	0.28
(1,2215)	1:30:A:ASN:H	1:29:A:LEU:HD12	3	0.28
(1,2215)	1:30:A:ASN:H	1:29:A:LEU:HD13	12	0.28
(1,2214)	1:30:B:ASN:H	1:34:B:LEU:HD13	16	0.28
(1,2020)	1:82:B:ILE:HA	1:85:B:MET:HB3	13	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2019)	1:82:A:ILE:HA	1:85:A:MET:HB3	13	0.28
(1,2019)	1:82:A:ILE:HA	1:85:A:MET:HB3	20	0.28
(1,1932)	1:32:B:SER:HA	1:31:B:LYS:HD2	8	0.28
(1,1932)	1:32:B:SER:HA	1:31:B:LYS:HD2	12	0.28
(1,1932)	1:32:B:SER:HA	1:31:B:LYS:HD2	15	0.28
(1,1931)	1:32:A:SER:HA	1:31:A:LYS:HD2	8	0.28
(1,1931)	1:32:A:SER:HA	1:31:A:LYS:HD2	12	0.28
(1,1931)	1:32:A:SER:HA	1:31:A:LYS:HD2	15	0.28
(1,1876)	1:82:B:ILE:HG23	1:45:B:PHE:HA	16	0.28
(1,1875)	1:82:A:ILE:HG23	1:45:A:PHE:HA	16	0.28
(1,1710)	1:5:B:LEU:HA	1:5:B:LEU:HD11	2	0.28
(1,1709)	1:5:A:LEU:HA	1:5:A:LEU:HD11	2	0.28
(1,1654)	1:83:B:ALA:HA	1:82:B:ILE:HD12	8	0.28
(1,1653)	1:83:A:ALA:HA	1:82:A:ILE:HD12	8	0.28
(1,1610)	1:25:B:ASP:HB2	1:28:B:LYS:HA	10	0.28
(1,1596)	1:95:B:ASP:HA	1:96:B:LYS:HG2	1	0.28
(1,1595)	1:95:A:ASP:HA	1:96:A:LYS:HG2	1	0.28
(1,1572)	1:71:B:ASP:HA	1:70:B:VAL:HG11	16	0.28
(1,1571)	1:71:A:ASP:HA	1:70:A:VAL:HG11	16	0.28
(1,1534)	1:98:B:PRO:HD2	1:97:B:GLN:HA	16	0.28
(1,1533)	1:98:A:PRO:HD2	1:97:A:GLN:HA	16	0.28
(1,1522)	1:21:B:GLY:HA3	1:26:B:LYS:HG3	19	0.28
(1,1521)	1:21:A:GLY:HA3	1:26:A:LYS:HG3	11	0.28
(1,1486)	1:42:B:LEU:HB3	1:41:B:GLU:HB3	12	0.28
(1,1485)	1:42:A:LEU:HB3	1:41:A:GLU:HB3	12	0.28
(1,1444)	1:49:B:ARG:HD2	1:46:B:LEU:HD11	7	0.28
(1,1443)	1:49:A:ARG:HD2	1:46:A:LEU:HD11	7	0.28
(1,1435)	1:99:A:ARG:HD3	1:98:A:PRO:HA	11	0.28
(1,1367)	1:18:A:LYS:HE2	1:11:A:VAL:HG11	14	0.28
(1,1338)	1:71:B:ASP:HB2	1:75:B:TYR:HB3	19	0.28
(1,1337)	1:71:A:ASP:HB2	1:75:A:TYR:HB3	19	0.28
(1,1335)	1:26:A:LYS:HE2	1:17:A:HIS:HB3	20	0.28
(1,1320)	1:92:B:GLY:H	1:96:B:LYS:HE3	10	0.28
(1,1319)	1:92:A:GLY:H	1:96:A:LYS:HE3	2	0.28
(1,1319)	1:92:A:GLY:H	1:96:A:LYS:HE3	10	0.28
(1,1252)	1:63:B:ASP:HB2	1:60:B:SER:HA	13	0.28
(1,1218)	1:57:B:LYS:HE3	1:54:B:ALA:H	14	0.28
(1,1217)	1:57:A:LYS:HE3	1:54:A:ALA:H	14	0.28
(1,1122)	1:70:B:VAL:HG13	1:74:B:GLU:HG2	4	0.28
(1,1100)	1:91:B:GLU:HG2	1:96:B:LYS:HG2	3	0.28
(1,1072)	1:52:B:GLU:HB3	1:52:B:GLU:HG2	12	0.28
(1,1072)	1:52:B:GLU:HB3	1:52:B:GLU:HG2	16	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1072)	1:52:B:GLU:HB2	1:52:B:GLU:HG3	17	0.28
(1,1071)	1:52:A:GLU:HB3	1:52:A:GLU:HG2	12	0.28
(1,1071)	1:52:A:GLU:HB3	1:52:A:GLU:HG2	16	0.28
(1,1071)	1:52:A:GLU:HB2	1:52:A:GLU:HG3	17	0.28
(1,1047)	1:23:A:GLU:HG2	1:33:A:GLU:HG3	15	0.28
(1,994)	1:74:B:GLU:H	1:73:B:GLN:HG2	3	0.28
(1,994)	1:74:B:GLU:H	1:73:B:GLN:HG2	13	0.28
(1,993)	1:74:A:GLU:H	1:73:A:GLN:HG2	3	0.28
(1,960)	1:22:B:LYS:HB3	1:33:B:GLU:HG2	17	0.28
(1,959)	1:22:A:LYS:HB3	1:33:A:GLU:HG2	17	0.28
(1,950)	1:12:B:MET:HB2	1:9:A:LEU:HD11	7	0.28
(1,822)	1:43:B:PRO:HB2	1:44:B:SER:HB2	10	0.28
(1,821)	1:43:A:PRO:HB2	1:44:A:SER:HB2	12	0.28
(1,821)	1:43:A:PRO:HB2	1:44:A:SER:HB2	17	0.28
(1,755)	1:31:A:LYS:HD3	1:56:A:GLN:HE21	2	0.28
(1,728)	1:26:B:LYS:HD3	1:22:B:LYS:HA	13	0.28
(1,710)	1:22:B:LYS:HD3	1:37:B:LEU:HB2	11	0.28
(1,709)	1:22:A:LYS:HD3	1:37:A:LEU:HB2	11	0.28
(1,632)	1:40:B:ARG:HG2	1:41:B:GLU:H	11	0.28
(1,632)	1:40:B:ARG:HG2	1:41:B:GLU:H	15	0.28
(1,631)	1:40:A:ARG:HG2	1:41:A:GLU:H	15	0.28
(1,562)	1:9:B:LEU:HG	1:10:B:ASP:HB2	13	0.28
(1,480)	1:79:B:LEU:HG	1:12:B:MET:HB2	15	0.28
(1,479)	1:79:A:LEU:HG	1:12:A:MET:HB2	15	0.28
(1,475)	1:28:A:LYS:HG2	1:25:A:ASP:HB2	8	0.28
(1,470)	1:9:B:LEU:HD21	1:6:B:GLU:HA	1	0.28
(1,469)	1:9:A:LEU:HD21	1:6:A:GLU:HA	1	0.28
(1,457)	1:58:A:LEU:HD21	1:62:A:LEU:HD12	4	0.28
(1,457)	1:58:A:LEU:HD22	1:62:A:LEU:HD13	17	0.28
(1,408)	1:46:B:LEU:HD22	1:46:B:LEU:HB2	1	0.28
(1,408)	1:46:B:LEU:HD22	1:46:B:LEU:HB3	6	0.28
(1,407)	1:46:A:LEU:HD22	1:46:A:LEU:HB2	1	0.28
(1,407)	1:46:A:LEU:HD22	1:46:A:LEU:HB3	6	0.28
(1,402)	1:31:B:LYS:HG2	1:59:B:MET:HG3	2	0.28
(1,401)	1:31:A:LYS:HG2	1:59:A:MET:HG3	2	0.28
(1,389)	1:31:A:LYS:HG2	1:34:A:LEU:HD23	12	0.28
(1,337)	1:58:A:LEU:HD11	1:61:A:ASN:HB3	4	0.28
(1,314)	1:62:B:LEU:HD21	1:58:B:LEU:HD11	11	0.28
(1,313)	1:62:A:LEU:HD21	1:58:A:LEU:HD13	8	0.28
(1,313)	1:62:A:LEU:HD21	1:58:A:LEU:HD11	11	0.28
(1,313)	1:62:A:LEU:HD22	1:58:A:LEU:HD11	17	0.28
(1,206)	1:34:B:LEU:HD13	1:38:B:LEU:H	1	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,206)	1:34:B:LEU:HD13	1:38:B:LEU:H	7	0.28
(1,205)	1:34:A:LEU:HD13	1:38:A:LEU:H	1	0.28
(1,205)	1:34:A:LEU:HD13	1:38:A:LEU:H	7	0.28
(1,153)	1:13:A:VAL:HG11	1:87:B:ASN:HB2	3	0.28
(1,144)	1:12:B:MET:H	1:11:B:VAL:HG11	3	0.28
(1,143)	1:12:A:MET:H	1:11:A:VAL:HG11	3	0.28
(1,143)	1:12:A:MET:H	1:11:A:VAL:HG12	17	0.28
(1,143)	1:12:A:MET:H	1:11:A:VAL:HG13	19	0.28
(1,84)	1:8:B:ALA:HB2	1:10:B:ASP:HB3	2	0.28
(2,228)	1:9:B:LEU:H	1:5:B:LEU:HB2	8	0.27
(2,227)	1:9:A:LEU:H	1:5:A:LEU:HB2	8	0.27
(2,196)	1:22:B:LYS:H	1:19:B:TYR:HB2	8	0.27
(2,195)	1:22:A:LYS:H	1:19:A:TYR:HB2	8	0.27
(2,130)	1:21:B:GLY:HA2	1:18:B:LYS:HA	12	0.27
(2,129)	1:21:A:GLY:HA2	1:18:A:LYS:HA	12	0.27
(2,122)	1:101:B:LYS:HA	1:98:B:PRO:HD2	20	0.27
(2,31)	1:17:A:HIS:HB2	1:21:A:GLY:HA3	9	0.27
(1,4604)	1:73:B:GLN:H	1:13:B:VAL:HG13	17	0.27
(1,4603)	1:73:A:GLN:H	1:13:A:VAL:HG12	11	0.27
(1,4600)	1:99:B:ARG:H	1:101:B:LYS:HE2	17	0.27
(1,4590)	1:62:B:LEU:H	1:59:B:MET:H	14	0.27
(1,4589)	1:62:A:LEU:H	1:59:A:MET:H	14	0.27
(1,4537)	1:97:A:GLN:HE22	1:88:A:GLU:H	19	0.27
(1,4522)	1:80:B:SER:H	1:82:B:ILE:HG13	13	0.27
(1,4521)	1:80:A:SER:H	1:82:A:ILE:HG13	13	0.27
(1,4510)	1:32:B:SER:H	1:34:B:LEU:HD21	19	0.27
(1,4498)	1:87:B:ASN:HD22	1:95:B:ASP:H	12	0.27
(1,4497)	1:87:A:ASN:HD22	1:95:A:ASP:H	12	0.27
(1,4424)	1:35:B:LYS:H	1:29:B:LEU:HD11	7	0.27
(1,4423)	1:35:A:LYS:H	1:29:A:LEU:HD11	7	0.27
(1,4396)	1:72:B:PHE:H	1:77:B:VAL:H	17	0.27
(1,4395)	1:72:A:PHE:H	1:77:A:VAL:H	13	0.27
(1,4395)	1:72:A:PHE:H	1:77:A:VAL:H	17	0.27
(1,4392)	1:7:B:LYS:H	1:42:A:LEU:HD22	8	0.27
(1,4388)	1:76:B:SER:H	1:13:B:VAL:HG11	3	0.27
(1,4387)	1:76:A:SER:H	1:13:A:VAL:HG11	3	0.27
(1,4386)	1:76:B:SER:H	1:77:B:VAL:HG22	6	0.27
(1,4386)	1:76:B:SER:H	1:77:B:VAL:HG23	13	0.27
(1,4386)	1:76:B:SER:H	1:77:B:VAL:HG23	18	0.27
(1,4385)	1:76:A:SER:H	1:77:A:VAL:HG22	6	0.27
(1,4385)	1:76:A:SER:H	1:77:A:VAL:HG23	11	0.27
(1,4385)	1:76:A:SER:H	1:77:A:VAL:HG23	13	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4366)	1:9:B:LEU:H	1:79:A:LEU:HD13	15	0.27
(1,4365)	1:9:A:LEU:H	1:79:B:LEU:HD12	11	0.27
(1,4348)	1:16:B:PHE:H	1:37:B:LEU:HD12	1	0.27
(1,4347)	1:16:A:PHE:H	1:37:A:LEU:HD12	1	0.27
(1,4339)	1:13:A:VAL:H	1:79:A:LEU:HD11	5	0.27
(1,4336)	1:6:B:GLU:H	1:5:B:LEU:HG	3	0.27
(1,4335)	1:6:A:GLU:H	1:5:A:LEU:HG	3	0.27
(1,4310)	1:22:B:LYS:H	1:17:B:HIS:HA	15	0.27
(1,4309)	1:22:A:LYS:H	1:17:A:HIS:HA	15	0.27
(1,4295)	1:64:A:SER:H	1:63:A:ASP:H	14	0.27
(1,4248)	1:12:B:MET:H	1:11:B:VAL:HG13	8	0.27
(1,4247)	1:12:A:MET:H	1:11:A:VAL:HG13	8	0.27
(1,4132)	1:20:B:SER:HB2	1:22:B:LYS:HG3	19	0.27
(1,4131)	1:20:A:SER:HB2	1:22:A:LYS:HG3	19	0.27
(1,4061)	1:10:A:ASP:HA	1:82:B:ILE:HB	18	0.27
(1,4028)	1:83:B:ALA:HA	1:9:A:LEU:HB3	6	0.27
(1,3975)	1:42:A:LEU:HA	1:40:A:ARG:H	13	0.27
(1,3960)	1:99:B:ARG:HD3	1:98:B:PRO:HD2	19	0.27
(1,3954)	1:94:B:PRO:HD3	1:93:B:PHE:H	20	0.27
(1,3850)	1:9:B:LEU:HB3	1:79:A:LEU:HD13	15	0.27
(1,3849)	1:9:A:LEU:HB3	1:79:B:LEU:HD13	15	0.27
(1,3848)	1:9:B:LEU:HB2	1:79:A:LEU:HD13	16	0.27
(1,3835)	1:25:A:ASP:HB3	1:69:A:GLU:HB3	20	0.27
(1,3827)	1:71:A:ASP:HB3	1:73:A:GLN:HE21	9	0.27
(1,3812)	1:18:B:LYS:HB3	1:16:B:PHE:HB2	14	0.27
(1,3811)	1:18:A:LYS:HB3	1:16:A:PHE:HB2	14	0.27
(1,3692)	1:70:B:VAL:HB	1:71:B:ASP:HB3	6	0.27
(1,3692)	1:70:B:VAL:HB	1:71:B:ASP:HB3	12	0.27
(1,3691)	1:70:A:VAL:HB	1:71:A:ASP:HB3	6	0.27
(1,3691)	1:70:A:VAL:HB	1:71:A:ASP:HB3	12	0.27
(1,3675)	1:59:A:MET:HG2	1:31:A:LYS:HB2	8	0.27
(1,3644)	1:31:B:LYS:HB3	1:35:B:LYS:HA	4	0.27
(1,3644)	1:31:B:LYS:HB3	1:35:B:LYS:HA	17	0.27
(1,3644)	1:31:B:LYS:HB3	1:35:B:LYS:HA	19	0.27
(1,3643)	1:31:A:LYS:HB3	1:35:A:LYS:HA	4	0.27
(1,3632)	1:43:B:PRO:HB2	1:42:B:LEU:HB3	16	0.27
(1,3631)	1:43:A:PRO:HB2	1:42:A:LEU:HB3	16	0.27
(1,3623)	1:43:A:PRO:HB3	1:47:A:GLY:HA3	3	0.27
(1,3623)	1:43:A:PRO:HB3	1:47:A:GLY:HA3	11	0.27
(1,3599)	1:31:A:LYS:HD2	1:32:A:SER:HB2	1	0.27
(1,3592)	1:35:B:LYS:HD2	1:31:B:LYS:HG2	9	0.27
(1,3591)	1:35:A:LYS:HD2	1:31:A:LYS:HG2	7	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3583)	1:48:A:LYS:HD2	1:48:A:LYS:HB3	19	0.27
(1,3501)	1:34:A:LEU:HD22	1:58:A:LEU:HB3	20	0.27
(1,3476)	1:46:B:LEU:HD22	1:49:B:ARG:HD3	16	0.27
(1,3475)	1:46:A:LEU:HD22	1:49:A:ARG:HD3	16	0.27
(1,3472)	1:31:B:LYS:HG3	1:34:B:LEU:HD21	9	0.27
(1,3412)	1:13:B:VAL:HG12	1:13:B:VAL:HG21	1	0.27
(1,3412)	1:11:B:VAL:HG11	1:11:B:VAL:HG21	5	0.27
(1,3412)	1:13:B:VAL:HG11	1:13:B:VAL:HG23	11	0.27
(1,3412)	1:13:B:VAL:HG11	1:13:B:VAL:HG23	12	0.27
(1,3412)	1:13:B:VAL:HG11	1:13:B:VAL:HG22	14	0.27
(1,3412)	1:13:B:VAL:HG13	1:13:B:VAL:HG22	18	0.27
(1,3411)	1:13:A:VAL:HG12	1:13:A:VAL:HG21	1	0.27
(1,3411)	1:13:A:VAL:HG11	1:13:A:VAL:HG23	11	0.27
(1,3411)	1:13:A:VAL:HG11	1:13:A:VAL:HG23	12	0.27
(1,3411)	1:13:A:VAL:HG11	1:13:A:VAL:HG22	14	0.27
(1,3411)	1:13:A:VAL:HG13	1:13:A:VAL:HG22	18	0.27
(1,3378)	1:70:B:VAL:HG12	1:70:B:VAL:HG13	1	0.27
(1,3378)	1:70:B:VAL:HG12	1:70:B:VAL:HG11	2	0.27
(1,3378)	1:70:B:VAL:HG12	1:70:B:VAL:HG11	3	0.27
(1,3378)	1:70:B:VAL:HG12	1:70:B:VAL:HG11	4	0.27
(1,3378)	1:50:B:THR:HG21	1:50:B:THR:HG22	5	0.27
(1,3378)	1:70:B:VAL:HG12	1:70:B:VAL:HG11	6	0.27
(1,3378)	1:70:B:VAL:HG12	1:70:B:VAL:HG13	7	0.27
(1,3378)	1:50:B:THR:HG21	1:50:B:THR:HG22	8	0.27
(1,3378)	1:50:B:THR:HG22	1:50:B:THR:HG23	9	0.27
(1,3378)	1:70:B:VAL:HG12	1:70:B:VAL:HG11	10	0.27
(1,3378)	1:70:B:VAL:HG11	1:70:B:VAL:HG13	11	0.27
(1,3378)	1:70:B:VAL:HG12	1:70:B:VAL:HG13	12	0.27
(1,3378)	1:50:B:THR:HG21	1:50:B:THR:HG23	13	0.27
(1,3378)	1:70:B:VAL:HG11	1:70:B:VAL:HG13	14	0.27
(1,3378)	1:70:B:VAL:HG11	1:70:B:VAL:HG13	15	0.27
(1,3378)	1:50:B:THR:HG22	1:50:B:THR:HG23	16	0.27
(1,3378)	1:70:B:VAL:HG12	1:70:B:VAL:HG13	18	0.27
(1,3378)	1:70:B:VAL:HG12	1:70:B:VAL:HG11	19	0.27
(1,3377)	1:70:A:VAL:HG11	1:70:A:VAL:HG13	1	0.27
(1,3377)	1:70:A:VAL:HG12	1:70:A:VAL:HG11	2	0.27
(1,3377)	1:70:A:VAL:HG12	1:70:A:VAL:HG11	3	0.27
(1,3377)	1:50:A:THR:HG21	1:50:A:THR:HG23	4	0.27
(1,3377)	1:50:A:THR:HG21	1:50:A:THR:HG22	5	0.27
(1,3377)	1:70:A:VAL:HG11	1:70:A:VAL:HG13	6	0.27
(1,3377)	1:70:A:VAL:HG12	1:70:A:VAL:HG13	7	0.27
(1,3377)	1:70:A:VAL:HG12	1:70:A:VAL:HG11	8	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3377)	1:70:A:VAL:HG12	1:70:A:VAL:HG11	9	0.27
(1,3377)	1:70:A:VAL:HG12	1:70:A:VAL:HG11	10	0.27
(1,3377)	1:70:A:VAL:HG12	1:70:A:VAL:HG13	11	0.27
(1,3377)	1:70:A:VAL:HG12	1:70:A:VAL:HG11	12	0.27
(1,3377)	1:50:A:THR:HG21	1:50:A:THR:HG22	13	0.27
(1,3377)	1:70:A:VAL:HG12	1:70:A:VAL:HG13	14	0.27
(1,3377)	1:70:A:VAL:HG11	1:70:A:VAL:HG13	15	0.27
(1,3377)	1:70:A:VAL:HG12	1:70:A:VAL:HG13	16	0.27
(1,3377)	1:70:A:VAL:HG12	1:70:A:VAL:HG11	17	0.27
(1,3377)	1:70:A:VAL:HG12	1:70:A:VAL:HG11	18	0.27
(1,3377)	1:70:A:VAL:HG12	1:70:A:VAL:HG11	19	0.27
(1,3377)	1:50:A:THR:HG21	1:50:A:THR:HG23	20	0.27
(1,3369)	1:50:A:THR:HG22	1:49:A:ARG:HD2	2	0.27
(1,3366)	1:39:B:THR:HG21	1:38:B:LEU:HD23	18	0.27
(1,3358)	1:39:B:THR:HG22	1:36:B:GLU:HG3	10	0.27
(1,3357)	1:39:A:THR:HG22	1:35:A:LYS:HE2	5	0.27
(1,3357)	1:39:A:THR:HG22	1:36:A:GLU:HG3	10	0.27
(1,3315)	1:82:A:ILE:HG22	1:9:B:LEU:HB2	15	0.27
(1,3304)	1:9:B:LEU:HD11	1:15:A:THR:HB	6	0.27
(1,3304)	1:9:B:LEU:HD11	1:15:A:THR:HB	18	0.27
(1,3303)	1:9:A:LEU:HD11	1:15:B:THR:HB	6	0.27
(1,3303)	1:9:A:LEU:HD11	1:15:B:THR:HB	18	0.27
(1,3238)	1:99:B:ARG:H	1:99:B:ARG:HB2	6	0.27
(1,3237)	1:99:A:ARG:H	1:99:A:ARG:HB2	6	0.27
(1,3214)	1:47:B:GLY:H	1:82:B:ILE:HD11	8	0.27
(1,3214)	1:47:B:GLY:H	1:82:B:ILE:HD12	10	0.27
(1,3213)	1:47:A:GLY:H	1:82:A:ILE:HD13	9	0.27
(1,3213)	1:47:A:GLY:H	1:82:A:ILE:HD12	10	0.27
(1,3188)	1:39:B:THR:H	1:46:B:LEU:HD13	10	0.27
(1,3188)	1:39:B:THR:H	1:46:B:LEU:HD12	17	0.27
(1,3187)	1:39:A:THR:H	1:46:A:LEU:HD13	10	0.27
(1,3187)	1:39:A:THR:H	1:46:A:LEU:HD12	17	0.27
(1,3172)	1:30:B:ASN:HD22	1:22:B:LYS:HE3	7	0.27
(1,3172)	1:30:B:ASN:HD22	1:22:B:LYS:HE3	12	0.27
(1,3171)	1:30:A:ASN:HD22	1:22:A:LYS:HE3	7	0.27
(1,3171)	1:30:A:ASN:HD22	1:22:A:LYS:HE3	12	0.27
(1,3164)	1:21:B:GLY:H	1:37:B:LEU:HD11	14	0.27
(1,3163)	1:21:A:GLY:H	1:37:A:LEU:HD11	14	0.27
(1,3128)	1:73:B:GLN:HE22	1:77:B:VAL:HB	12	0.27
(1,3127)	1:73:A:GLN:HE22	1:77:A:VAL:HB	12	0.27
(1,3067)	1:60:A:SER:H	1:59:A:MET:HG2	7	0.27
(1,2958)	1:28:B:LYS:H	1:20:B:SER:HB3	7	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2957)	1:28:A:LYS:H	1:20:A:SER:HB3	7	0.27
(1,2911)	1:44:A:SER:H	1:42:A:LEU:HD21	10	0.27
(1,2830)	1:23:B:GLU:H	1:33:B:GLU:HG2	10	0.27
(1,2829)	1:23:A:GLU:H	1:33:A:GLU:HG2	10	0.27
(1,2752)	1:34:B:LEU:H	1:29:B:LEU:HD12	14	0.27
(1,2751)	1:34:A:LEU:H	1:29:A:LEU:HD12	14	0.27
(1,2324)	1:78:B:PHE:H	1:82:B:ILE:HD13	3	0.27
(1,2324)	1:78:B:PHE:H	1:82:B:ILE:HD13	7	0.27
(1,2323)	1:78:A:PHE:H	1:82:A:ILE:HD13	3	0.27
(1,2323)	1:78:A:PHE:H	1:82:A:ILE:HD13	7	0.27
(1,2287)	1:3:A:SER:H	1:6:A:GLU:HA	20	0.27
(1,2247)	1:8:A:ALA:H	1:43:B:PRO:HD2	14	0.27
(1,2234)	1:33:B:GLU:H	1:22:B:LYS:HE3	18	0.27
(1,2216)	1:30:B:ASN:H	1:29:B:LEU:HD11	7	0.27
(1,2216)	1:30:B:ASN:H	1:29:B:LEU:HD11	18	0.27
(1,2215)	1:30:A:ASN:H	1:29:A:LEU:HD11	7	0.27
(1,2215)	1:30:A:ASN:H	1:29:A:LEU:HD11	18	0.27
(1,2210)	1:30:B:ASN:H	1:33:B:GLU:HB3	14	0.27
(1,2209)	1:30:A:ASN:H	1:33:A:GLU:HB3	14	0.27
(1,2162)	1:70:B:VAL:H	1:31:B:LYS:HA	18	0.27
(1,2161)	1:70:A:VAL:H	1:31:A:LYS:HA	18	0.27
(1,2036)	1:43:B:PRO:HA	1:7:A:LYS:HD2	16	0.27
(1,2020)	1:82:B:ILE:HA	1:85:B:MET:HB3	20	0.27
(1,2012)	1:94:B:PRO:HA	1:95:B:ASP:HB2	2	0.27
(1,2011)	1:94:A:PRO:HA	1:95:A:ASP:HB2	2	0.27
(1,2003)	1:98:A:PRO:HA	1:101:A:LYS:HG3	19	0.27
(1,1884)	1:6:B:GLU:HA	1:79:A:LEU:HD11	1	0.27
(1,1883)	1:6:A:GLU:HA	1:79:B:LEU:HD11	1	0.27
(1,1628)	1:41:B:GLU:HA	1:5:A:LEU:HD21	6	0.27
(1,1627)	1:41:A:GLU:HA	1:5:B:LEU:HD21	6	0.27
(1,1596)	1:95:B:ASP:HA	1:96:B:LYS:HG3	19	0.27
(1,1595)	1:95:A:ASP:HA	1:96:A:LYS:HG3	19	0.27
(1,1572)	1:71:B:ASP:HA	1:70:B:VAL:HG11	13	0.27
(1,1571)	1:71:A:ASP:HA	1:70:A:VAL:HG11	13	0.27
(1,1521)	1:21:A:GLY:HA3	1:26:A:LYS:HG3	19	0.27
(1,1480)	1:42:B:LEU:HB2	1:45:B:PHE:HA	17	0.27
(1,1436)	1:99:B:ARG:HD2	1:98:B:PRO:HA	17	0.27
(1,1435)	1:99:A:ARG:HD3	1:98:A:PRO:HA	4	0.27
(1,1435)	1:99:A:ARG:HD2	1:98:A:PRO:HA	17	0.27
(1,1412)	1:40:B:ARG:HD2	1:41:B:GLU:H	11	0.27
(1,1411)	1:40:A:ARG:HD2	1:41:A:GLU:H	4	0.27
(1,1411)	1:40:A:ARG:HD2	1:41:A:GLU:H	11	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1368)	1:18:B:LYS:HE2	1:11:B:VAL:HG11	3	0.27
(1,1367)	1:18:A:LYS:HE2	1:11:A:VAL:HG11	3	0.27
(1,1336)	1:26:B:LYS:HE2	1:17:B:HIS:HB3	20	0.27
(1,1320)	1:92:B:GLY:H	1:96:B:LYS:HE3	2	0.27
(1,1277)	1:10:A:ASP:HB3	1:12:A:MET:H	3	0.27
(1,1190)	1:28:B:LYS:HB2	1:26:B:LYS:HA	1	0.27
(1,1189)	1:28:A:LYS:HB2	1:26:A:LYS:HA	1	0.27
(1,1121)	1:70:A:VAL:HG13	1:74:A:GLU:HG2	4	0.27
(1,1099)	1:91:A:GLU:HG2	1:96:A:LYS:HG2	3	0.27
(1,1072)	1:52:B:GLU:HB2	1:52:B:GLU:HG3	13	0.27
(1,1072)	1:52:B:GLU:HB3	1:52:B:GLU:HG2	18	0.27
(1,1072)	1:52:B:GLU:HB3	1:52:B:GLU:HG2	19	0.27
(1,1071)	1:52:A:GLU:HB2	1:52:A:GLU:HG3	13	0.27
(1,1071)	1:52:A:GLU:HB3	1:52:A:GLU:HG2	19	0.27
(1,1048)	1:23:B:GLU:HG2	1:33:B:GLU:HG3	15	0.27
(1,1042)	1:52:B:GLU:HG3	1:53:B:ALA:H	11	0.27
(1,1041)	1:52:A:GLU:HG3	1:53:A:ALA:H	11	0.27
(1,984)	1:97:B:GLN:HG2	1:97:B:GLN:HG3	1	0.27
(1,984)	1:97:B:GLN:HG2	1:97:B:GLN:HG3	2	0.27
(1,984)	1:97:B:GLN:HG2	1:97:B:GLN:HG3	3	0.27
(1,984)	1:97:B:GLN:HG2	1:97:B:GLN:HG3	4	0.27
(1,984)	1:97:B:GLN:HG2	1:97:B:GLN:HG3	5	0.27
(1,984)	1:97:B:GLN:HG2	1:97:B:GLN:HG3	6	0.27
(1,984)	1:97:B:GLN:HG2	1:97:B:GLN:HG3	7	0.27
(1,984)	1:97:B:GLN:HG2	1:97:B:GLN:HG3	8	0.27
(1,984)	1:97:B:GLN:HG2	1:97:B:GLN:HG3	9	0.27
(1,984)	1:97:B:GLN:HG2	1:97:B:GLN:HG3	10	0.27
(1,984)	1:97:B:GLN:HG2	1:97:B:GLN:HG3	11	0.27
(1,984)	1:97:B:GLN:HG2	1:97:B:GLN:HG3	12	0.27
(1,984)	1:97:B:GLN:HG2	1:97:B:GLN:HG3	13	0.27
(1,984)	1:97:B:GLN:HG2	1:97:B:GLN:HG3	14	0.27
(1,984)	1:97:B:GLN:HG2	1:97:B:GLN:HG3	15	0.27
(1,984)	1:97:B:GLN:HG2	1:97:B:GLN:HG3	16	0.27
(1,984)	1:97:B:GLN:HG2	1:97:B:GLN:HG3	17	0.27
(1,984)	1:97:B:GLN:HG2	1:97:B:GLN:HG3	18	0.27
(1,984)	1:97:B:GLN:HG2	1:97:B:GLN:HG3	19	0.27
(1,984)	1:97:B:GLN:HG2	1:97:B:GLN:HG3	20	0.27
(1,983)	1:97:A:GLN:HG2	1:97:A:GLN:HG3	1	0.27
(1,983)	1:97:A:GLN:HG2	1:97:A:GLN:HG3	2	0.27
(1,983)	1:97:A:GLN:HG2	1:97:A:GLN:HG3	3	0.27
(1,983)	1:97:A:GLN:HG2	1:97:A:GLN:HG3	4	0.27
(1,983)	1:97:A:GLN:HG2	1:97:A:GLN:HG3	5	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,983)	1:97:A:GLN:HG2	1:97:A:GLN:HG3	6	0.27
(1,983)	1:97:A:GLN:HG2	1:97:A:GLN:HG3	7	0.27
(1,983)	1:97:A:GLN:HG2	1:97:A:GLN:HG3	8	0.27
(1,983)	1:97:A:GLN:HG2	1:97:A:GLN:HG3	9	0.27
(1,983)	1:97:A:GLN:HG2	1:97:A:GLN:HG3	10	0.27
(1,983)	1:97:A:GLN:HG2	1:97:A:GLN:HG3	11	0.27
(1,983)	1:97:A:GLN:HG2	1:97:A:GLN:HG3	12	0.27
(1,983)	1:97:A:GLN:HG2	1:97:A:GLN:HG3	13	0.27
(1,983)	1:97:A:GLN:HG2	1:97:A:GLN:HG3	14	0.27
(1,983)	1:97:A:GLN:HG2	1:97:A:GLN:HG3	15	0.27
(1,983)	1:97:A:GLN:HG2	1:97:A:GLN:HG3	16	0.27
(1,983)	1:97:A:GLN:HG2	1:97:A:GLN:HG3	17	0.27
(1,983)	1:97:A:GLN:HG2	1:97:A:GLN:HG3	18	0.27
(1,983)	1:97:A:GLN:HG2	1:97:A:GLN:HG3	19	0.27
(1,983)	1:97:A:GLN:HG2	1:97:A:GLN:HG3	20	0.27
(1,970)	1:97:B:GLN:HG2	1:95:B:ASP:HB2	7	0.27
(1,969)	1:97:A:GLN:HG2	1:95:A:ASP:HB2	7	0.27
(1,950)	1:12:B:MET:HB2	1:9:A:LEU:HD12	12	0.27
(1,949)	1:12:A:MET:HB2	1:9:B:LEU:HD12	12	0.27
(1,838)	1:34:B:LEU:HD21	1:59:B:MET:HB3	18	0.27
(1,837)	1:34:A:LEU:HD21	1:59:A:MET:HB3	18	0.27
(1,822)	1:43:B:PRO:HB2	1:44:B:SER:HB2	15	0.27
(1,821)	1:43:A:PRO:HB2	1:44:A:SER:HB2	2	0.27
(1,821)	1:43:A:PRO:HB2	1:44:A:SER:HB2	3	0.27
(1,821)	1:43:A:PRO:HB2	1:44:A:SER:HB2	4	0.27
(1,821)	1:43:A:PRO:HB2	1:44:A:SER:HB2	10	0.27
(1,821)	1:43:A:PRO:HB2	1:44:A:SER:HB2	15	0.27
(1,748)	1:36:B:GLU:HB2	1:37:B:LEU:HD13	12	0.27
(1,748)	1:36:B:GLU:HB2	1:37:B:LEU:HD11	15	0.27
(1,747)	1:36:A:GLU:HB2	1:37:A:LEU:HD13	12	0.27
(1,747)	1:36:A:GLU:HB2	1:37:A:LEU:HD11	15	0.27
(1,632)	1:40:B:ARG:HG2	1:41:B:GLU:H	5	0.27
(1,631)	1:40:A:ARG:HG2	1:41:A:GLU:H	5	0.27
(1,631)	1:40:A:ARG:HG2	1:41:A:GLU:H	11	0.27
(1,600)	1:37:B:LEU:HD13	1:34:B:LEU:HA	17	0.27
(1,599)	1:37:A:LEU:HD13	1:34:A:LEU:HA	17	0.27
(1,580)	1:29:B:LEU:HD23	1:70:B:VAL:H	2	0.27
(1,579)	1:29:A:LEU:HD23	1:70:A:VAL:H	2	0.27
(1,579)	1:29:A:LEU:HD22	1:70:A:VAL:H	3	0.27
(1,524)	1:42:B:LEU:HD11	1:41:B:GLU:HA	4	0.27
(1,523)	1:42:A:LEU:HD11	1:41:A:GLU:HA	4	0.27
(1,520)	1:42:B:LEU:HG	1:82:B:ILE:HD11	10	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,519)	1:42:A:LEU:HG	1:82:A:ILE:HD11	10	0.27
(1,502)	1:42:B:LEU:HD11	1:42:B:LEU:HA	5	0.27
(1,501)	1:42:A:LEU:HD11	1:42:A:LEU:HA	5	0.27
(1,476)	1:28:B:LYS:HG2	1:25:B:ASP:HB2	10	0.27
(1,458)	1:58:B:LEU:HD21	1:62:B:LEU:HD12	4	0.27
(1,458)	1:58:B:LEU:HD22	1:62:B:LEU:HD13	17	0.27
(1,430)	1:5:B:LEU:HD22	1:9:A:LEU:HA	14	0.27
(1,429)	1:5:A:LEU:HD22	1:9:B:LEU:HA	14	0.27
(1,426)	1:5:B:LEU:HD21	1:41:A:GLU:HA	6	0.27
(1,425)	1:5:A:LEU:HD21	1:41:B:GLU:HA	6	0.27
(1,408)	1:46:B:LEU:HD21	1:46:B:LEU:HB3	13	0.27
(1,407)	1:46:A:LEU:HD21	1:46:A:LEU:HB3	13	0.27
(1,392)	1:46:B:LEU:HD22	1:46:B:LEU:H	15	0.27
(1,392)	1:46:B:LEU:HD21	1:46:B:LEU:H	16	0.27
(1,391)	1:46:A:LEU:HD22	1:46:A:LEU:H	15	0.27
(1,391)	1:46:A:LEU:HD21	1:46:A:LEU:H	16	0.27
(1,390)	1:31:B:LYS:HG2	1:34:B:LEU:HD23	12	0.27
(1,366)	1:96:B:LYS:HG2	1:91:B:GLU:H	9	0.27
(1,365)	1:96:A:LYS:HG2	1:91:A:GLU:H	9	0.27
(1,338)	1:58:B:LEU:HD11	1:61:B:ASN:HB3	4	0.27
(1,314)	1:62:B:LEU:HD23	1:58:B:LEU:HD12	6	0.27
(1,314)	1:62:B:LEU:HD21	1:58:B:LEU:HD13	8	0.27
(1,314)	1:62:B:LEU:HD22	1:58:B:LEU:HD11	17	0.27
(1,268)	1:9:B:LEU:HD13	1:12:A:MET:HB2	5	0.27
(1,268)	1:9:B:LEU:HD12	1:12:A:MET:HB2	17	0.27
(1,267)	1:9:A:LEU:HD13	1:12:B:MET:HB2	5	0.27
(1,235)	1:70:A:VAL:HG23	1:63:A:ASP:HB3	15	0.27
(1,206)	1:34:B:LEU:HD13	1:38:B:LEU:H	20	0.27
(1,205)	1:34:A:LEU:HD12	1:38:A:LEU:H	13	0.27
(1,205)	1:34:A:LEU:HD13	1:38:A:LEU:H	20	0.27
(1,204)	1:76:B:SER:H	1:77:B:VAL:HG23	5	0.27
(1,203)	1:76:A:SER:H	1:77:A:VAL:HG23	5	0.27
(1,154)	1:13:B:VAL:HG11	1:87:A:ASN:HB2	3	0.27
(1,144)	1:12:B:MET:H	1:11:B:VAL:HG11	7	0.27
(1,144)	1:12:B:MET:H	1:11:B:VAL:HG11	10	0.27
(1,144)	1:12:B:MET:H	1:11:B:VAL:HG12	17	0.27
(1,143)	1:12:A:MET:H	1:11:A:VAL:HG11	7	0.27
(1,143)	1:12:A:MET:H	1:11:A:VAL:HG11	10	0.27
(1,84)	1:8:B:ALA:HB2	1:10:B:ASP:HB3	18	0.27
(1,11)	1:5:A:LEU:HD22	1:42:B:LEU:HG	17	0.27
(2,288)	1:50:B:THR:H	1:48:B:LYS:HB2	13	0.26
(2,287)	1:50:A:THR:H	1:48:A:LYS:HB2	13	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,227)	1:9:A:LEU:H	1:5:A:LEU:HB2	19	0.26
(2,222)	1:5:B:LEU:H	1:41:A:GLU:HA	6	0.26
(2,221)	1:5:A:LEU:H	1:41:B:GLU:HA	6	0.26
(2,121)	1:101:A:LYS:HA	1:98:A:PRO:HD2	20	0.26
(2,68)	1:59:B:MET:HB3	1:34:B:LEU:HB3	1	0.26
(2,67)	1:59:A:MET:HB3	1:34:A:LEU:HB3	1	0.26
(1,4598)	1:81:B:SER:H	1:82:B:ILE:HG13	19	0.26
(1,4597)	1:81:A:SER:H	1:82:A:ILE:HG13	19	0.26
(1,4590)	1:62:B:LEU:H	1:59:B:MET:H	17	0.26
(1,4578)	1:39:B:THR:H	1:36:B:GLU:HG3	3	0.26
(1,4578)	1:39:B:THR:H	1:36:B:GLU:HG3	16	0.26
(1,4578)	1:39:B:THR:H	1:36:B:GLU:HG3	17	0.26
(1,4577)	1:39:A:THR:H	1:36:A:GLU:HG3	3	0.26
(1,4577)	1:39:A:THR:H	1:36:A:GLU:HG3	16	0.26
(1,4577)	1:39:A:THR:H	1:36:A:GLU:HG3	17	0.26
(1,4516)	1:20:B:SER:H	1:18:B:LYS:HB3	3	0.26
(1,4516)	1:20:B:SER:H	1:18:B:LYS:HB3	6	0.26
(1,4516)	1:20:B:SER:H	1:18:B:LYS:HB3	11	0.26
(1,4515)	1:20:A:SER:H	1:18:A:LYS:HB3	3	0.26
(1,4515)	1:20:A:SER:H	1:18:A:LYS:HB3	6	0.26
(1,4509)	1:32:A:SER:H	1:34:A:LEU:HD21	19	0.26
(1,4424)	1:35:B:LYS:H	1:29:B:LEU:HD13	5	0.26
(1,4424)	1:35:B:LYS:H	1:29:B:LEU:HD13	11	0.26
(1,4423)	1:35:A:LYS:H	1:29:A:LEU:HD13	5	0.26
(1,4423)	1:35:A:LYS:H	1:29:A:LEU:HD13	11	0.26
(1,4418)	1:35:B:LYS:H	1:36:B:GLU:HG3	16	0.26
(1,4396)	1:72:B:PHE:H	1:77:B:VAL:H	13	0.26
(1,4390)	1:76:B:SER:H	1:79:B:LEU:HD11	9	0.26
(1,4390)	1:76:B:SER:H	1:79:B:LEU:HD11	20	0.26
(1,4389)	1:76:A:SER:H	1:79:A:LEU:HD11	9	0.26
(1,4389)	1:76:A:SER:H	1:79:A:LEU:HD11	20	0.26
(1,4386)	1:76:B:SER:H	1:77:B:VAL:HG23	2	0.26
(1,4386)	1:76:B:SER:H	1:77:B:VAL:HG22	3	0.26
(1,4386)	1:76:B:SER:H	1:77:B:VAL:HG21	8	0.26
(1,4386)	1:76:B:SER:H	1:77:B:VAL:HG21	10	0.26
(1,4386)	1:76:B:SER:H	1:77:B:VAL:HG23	11	0.26
(1,4386)	1:76:B:SER:H	1:77:B:VAL:HG21	16	0.26
(1,4386)	1:76:B:SER:H	1:77:B:VAL:HG23	19	0.26
(1,4386)	1:76:B:SER:H	1:77:B:VAL:HG22	20	0.26
(1,4385)	1:76:A:SER:H	1:77:A:VAL:HG23	2	0.26
(1,4385)	1:76:A:SER:H	1:77:A:VAL:HG22	3	0.26
(1,4385)	1:76:A:SER:H	1:77:A:VAL:HG21	8	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4385)	1:76:A:SER:H	1:77:A:VAL:HG21	10	0.26
(1,4385)	1:76:A:SER:H	1:77:A:VAL:HG21	14	0.26
(1,4385)	1:76:A:SER:H	1:77:A:VAL:HG21	16	0.26
(1,4385)	1:76:A:SER:H	1:77:A:VAL:HG23	18	0.26
(1,4385)	1:76:A:SER:H	1:77:A:VAL:HG23	19	0.26
(1,4385)	1:76:A:SER:H	1:77:A:VAL:HG22	20	0.26
(1,4340)	1:13:B:VAL:H	1:79:B:LEU:HD11	5	0.26
(1,4296)	1:64:B:SER:H	1:63:B:ASP:H	14	0.26
(1,4288)	1:45:B:PHE:H	1:82:B:ILE:HG22	10	0.26
(1,4287)	1:45:A:PHE:H	1:82:A:ILE:HG22	10	0.26
(1,4254)	1:77:B:VAL:H	1:62:B:LEU:HB3	20	0.26
(1,4253)	1:77:A:VAL:H	1:62:A:LEU:HB3	20	0.26
(1,4248)	1:12:B:MET:H	1:11:B:VAL:HG11	4	0.26
(1,4247)	1:12:A:MET:H	1:11:A:VAL:HG11	4	0.26
(1,4166)	1:76:B:SER:HA	1:83:A:ALA:HB3	5	0.26
(1,4165)	1:76:A:SER:HA	1:83:B:ALA:HB3	5	0.26
(1,4156)	1:16:B:PHE:HA	1:20:B:SER:HA	6	0.26
(1,4155)	1:16:A:PHE:HA	1:20:A:SER:HA	6	0.26
(1,4136)	1:20:B:SER:HB3	1:29:B:LEU:HB2	11	0.26
(1,4135)	1:20:A:SER:HB3	1:29:A:LEU:HB2	11	0.26
(1,4132)	1:20:B:SER:HB2	1:22:B:LYS:HG3	14	0.26
(1,4131)	1:20:A:SER:HB2	1:22:A:LYS:HG3	14	0.26
(1,4118)	1:64:B:SER:HA	1:60:B:SER:HB3	8	0.26
(1,4110)	1:2:B:ALA:HB3	1:6:B:GLU:HA	15	0.26
(1,4110)	1:2:B:ALA:HB1	1:6:B:GLU:HA	20	0.26
(1,4109)	1:2:A:ALA:HB3	1:6:A:GLU:HA	15	0.26
(1,4109)	1:2:A:ALA:HB1	1:6:A:GLU:HA	20	0.26
(1,4062)	1:10:B:ASP:HA	1:82:A:ILE:HB	9	0.26
(1,4062)	1:10:B:ASP:HA	1:82:A:ILE:HB	17	0.26
(1,4061)	1:10:A:ASP:HA	1:82:B:ILE:HB	9	0.26
(1,4061)	1:10:A:ASP:HA	1:82:B:ILE:HB	17	0.26
(1,4042)	1:99:B:ARG:HA	1:98:B:PRO:HB3	1	0.26
(1,4041)	1:99:A:ARG:HA	1:98:A:PRO:HB3	1	0.26
(1,4027)	1:83:A:ALA:HA	1:9:B:LEU:HB3	6	0.26
(1,3979)	1:42:A:LEU:HA	1:44:A:SER:HB3	14	0.26
(1,3976)	1:42:B:LEU:HA	1:40:B:ARG:H	13	0.26
(1,3958)	1:94:B:PRO:HD3	1:89:B:PHE:HA	7	0.26
(1,3958)	1:98:B:PRO:HD2	1:99:B:ARG:HA	17	0.26
(1,3957)	1:98:A:PRO:HD2	1:99:A:ARG:HA	17	0.26
(1,3950)	1:21:B:GLY:HA3	1:22:B:LYS:HD3	6	0.26
(1,3949)	1:21:A:GLY:HA3	1:22:A:LYS:HD3	6	0.26
(1,3850)	1:9:B:LEU:HB3	1:79:A:LEU:HD13	16	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3850)	1:9:B:LEU:HB3	1:79:A:LEU:HD11	18	0.26
(1,3849)	1:9:A:LEU:HB3	1:79:B:LEU:HD13	16	0.26
(1,3849)	1:9:A:LEU:HB3	1:79:B:LEU:HD11	18	0.26
(1,3847)	1:9:A:LEU:HB2	1:79:B:LEU:HD13	16	0.26
(1,3836)	1:25:B:ASP:HB3	1:69:B:GLU:HB3	20	0.26
(1,3814)	1:28:B:LYS:HB3	1:70:B:VAL:HG22	11	0.26
(1,3813)	1:28:A:LYS:HB3	1:70:A:VAL:HG22	11	0.26
(1,3787)	1:55:A:PHE:HB2	1:35:A:LYS:HB2	3	0.26
(1,3780)	1:57:B:LYS:HB3	1:61:B:ASN:HB3	11	0.26
(1,3779)	1:57:A:LYS:HB3	1:61:A:ASN:HB3	11	0.26
(1,3724)	1:69:B:GLU:HG2	1:29:B:LEU:HA	12	0.26
(1,3692)	1:70:B:VAL:HB	1:71:B:ASP:HB3	3	0.26
(1,3691)	1:70:A:VAL:HB	1:71:A:ASP:HB3	3	0.26
(1,3644)	1:31:B:LYS:HB3	1:35:B:LYS:HA	13	0.26
(1,3643)	1:31:A:LYS:HB3	1:35:A:LYS:HA	13	0.26
(1,3632)	1:59:B:MET:HB3	1:34:B:LEU:HB3	1	0.26
(1,3631)	1:59:A:MET:HB3	1:34:A:LEU:HB3	1	0.26
(1,3623)	1:43:A:PRO:HB3	1:47:A:GLY:HA3	9	0.26
(1,3592)	1:35:B:LYS:HD2	1:31:B:LYS:HG2	7	0.26
(1,3584)	1:48:B:LYS:HD2	1:48:B:LYS:HB3	7	0.26
(1,3584)	1:7:B:LYS:HD3	1:7:B:LYS:HB3	18	0.26
(1,3583)	1:48:A:LYS:HD2	1:48:A:LYS:HB3	7	0.26
(1,3583)	1:7:A:LYS:HD3	1:7:A:LYS:HB3	18	0.26
(1,3548)	1:37:B:LEU:HD22	1:37:B:LEU:HA	9	0.26
(1,3547)	1:37:A:LEU:HD22	1:37:A:LEU:HA	9	0.26
(1,3542)	1:37:B:LEU:HD11	1:17:B:HIS:HA	4	0.26
(1,3541)	1:37:A:LEU:HD11	1:17:A:HIS:HA	4	0.26
(1,3502)	1:34:B:LEU:HD22	1:58:B:LEU:HB3	20	0.26
(1,3492)	1:81:B:SER:H	1:79:B:LEU:HD21	1	0.26
(1,3491)	1:81:A:SER:H	1:79:A:LEU:HD21	1	0.26
(1,3476)	1:46:B:LEU:HD22	1:45:B:PHE:HB3	7	0.26
(1,3476)	1:46:B:LEU:HD22	1:45:B:PHE:HB3	10	0.26
(1,3475)	1:46:A:LEU:HD22	1:45:A:PHE:HB3	7	0.26
(1,3475)	1:46:A:LEU:HD22	1:45:A:PHE:HB3	10	0.26
(1,3412)	1:13:B:VAL:HG13	1:13:B:VAL:HG23	3	0.26
(1,3412)	1:13:B:VAL:HG12	1:13:B:VAL:HG21	10	0.26
(1,3412)	1:13:B:VAL:HG13	1:13:B:VAL:HG23	13	0.26
(1,3412)	1:13:B:VAL:HG11	1:13:B:VAL:HG22	19	0.26
(1,3411)	1:13:A:VAL:HG13	1:13:A:VAL:HG23	3	0.26
(1,3411)	1:13:A:VAL:HG12	1:13:A:VAL:HG21	10	0.26
(1,3411)	1:13:A:VAL:HG13	1:13:A:VAL:HG23	13	0.26
(1,3411)	1:13:A:VAL:HG11	1:13:A:VAL:HG22	19	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3394)	1:77:B:VAL:HG21	1:74:B:GLU:HA	7	0.26
(1,3393)	1:77:A:VAL:HG21	1:74:A:GLU:HA	7	0.26
(1,3378)	1:70:B:VAL:HG11	1:70:B:VAL:HG13	17	0.26
(1,3378)	1:70:B:VAL:HG12	1:70:B:VAL:HG11	20	0.26
(1,3370)	1:50:B:THR:HG22	1:49:B:ARG:HD2	2	0.26
(1,3365)	1:39:A:THR:HG21	1:38:A:LEU:HD23	18	0.26
(1,3358)	1:39:B:THR:HG22	1:35:B:LYS:HE2	5	0.26
(1,3322)	1:54:B:ALA:HB1	1:46:B:LEU:HD23	5	0.26
(1,3321)	1:54:A:ALA:HB1	1:46:A:LEU:HD23	5	0.26
(1,3306)	1:39:B:THR:HB	1:46:B:LEU:HD12	8	0.26
(1,3305)	1:39:A:THR:HB	1:46:A:LEU:HD12	8	0.26
(1,3238)	1:99:B:ARG:H	1:99:B:ARG:HB2	9	0.26
(1,3237)	1:99:A:ARG:H	1:99:A:ARG:HB2	9	0.26
(1,3188)	1:39:B:THR:H	1:46:B:LEU:HD11	1	0.26
(1,3187)	1:39:A:THR:H	1:46:A:LEU:HD11	1	0.26
(1,3187)	1:39:A:THR:H	1:46:A:LEU:HD11	6	0.26
(1,3132)	1:73:B:GLN:HE22	1:62:B:LEU:HD23	1	0.26
(1,3128)	1:73:B:GLN:HE22	1:77:B:VAL:HB	2	0.26
(1,3127)	1:73:A:GLN:HE22	1:77:A:VAL:HB	2	0.26
(1,3127)	1:73:A:GLN:HE22	1:77:A:VAL:HB	17	0.26
(1,3084)	1:65:B:ASN:HD22	1:67:B:ASP:HB2	15	0.26
(1,3082)	1:65:B:ASN:HD22	1:65:B:ASN:HA	15	0.26
(1,3081)	1:65:A:ASN:HD22	1:65:A:ASN:HA	15	0.26
(1,3020)	1:68:B:ASN:HD22	1:66:B:ARG:HG3	6	0.26
(1,3019)	1:68:A:ASN:HD22	1:66:A:ARG:HG3	6	0.26
(1,2912)	1:44:B:SER:H	1:42:B:LEU:HD21	10	0.26
(1,2774)	1:59:B:MET:H	1:62:B:LEU:HD12	15	0.26
(1,2773)	1:59:A:MET:H	1:62:A:LEU:HD12	15	0.26
(1,2752)	1:34:B:LEU:H	1:29:B:LEU:HD12	6	0.26
(1,2751)	1:34:A:LEU:H	1:29:A:LEU:HD12	6	0.26
(1,2546)	1:93:B:PHE:H	1:96:B:LYS:HE3	17	0.26
(1,2544)	1:93:B:PHE:H	1:92:B:GLY:HA3	16	0.26
(1,2416)	1:52:B:GLU:H	1:53:B:ALA:HB1	5	0.26
(1,2416)	1:52:B:GLU:H	1:53:B:ALA:HB3	12	0.26
(1,2415)	1:52:A:GLU:H	1:53:A:ALA:HB1	5	0.26
(1,2412)	1:52:B:GLU:H	1:51:B:ASP:HB3	10	0.26
(1,2411)	1:52:A:GLU:H	1:51:A:ASP:HB3	9	0.26
(1,2324)	1:78:B:PHE:H	1:82:B:ILE:HD11	13	0.26
(1,2323)	1:78:A:PHE:H	1:82:A:ILE:HD12	11	0.26
(1,2323)	1:78:A:PHE:H	1:82:A:ILE:HD11	13	0.26
(1,2288)	1:3:B:SER:H	1:6:B:GLU:HA	20	0.26
(1,2233)	1:33:A:GLU:H	1:22:A:LYS:HE3	18	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2216)	1:30:B:ASN:H	1:29:B:LEU:HD11	9	0.26
(1,2194)	1:12:B:MET:H	1:79:B:LEU:HD12	4	0.26
(1,2193)	1:12:A:MET:H	1:79:A:LEU:HD12	4	0.26
(1,2193)	1:12:A:MET:H	1:79:A:LEU:HD13	7	0.26
(1,2089)	1:26:A:LYS:H	1:28:A:LYS:HA	6	0.26
(1,2069)	1:13:A:VAL:HA	1:83:B:ALA:HB3	6	0.26
(1,2056)	1:77:B:VAL:HA	1:73:B:GLN:HG2	17	0.26
(1,2055)	1:77:A:VAL:HA	1:73:A:GLN:HG2	17	0.26
(1,2036)	1:43:B:PRO:HA	1:7:A:LYS:HD2	18	0.26
(1,2035)	1:43:A:PRO:HA	1:7:B:LYS:HD2	18	0.26
(1,2020)	1:82:B:ILE:HA	1:85:B:MET:HB3	14	0.26
(1,2019)	1:82:A:ILE:HA	1:85:A:MET:HB3	14	0.26
(1,2004)	1:98:B:PRO:HA	1:101:B:LYS:HG3	19	0.26
(1,1992)	1:60:B:SER:HB3	1:66:B:ARG:HD3	20	0.26
(1,1991)	1:60:A:SER:HB3	1:66:A:ARG:HD3	20	0.26
(1,1932)	1:32:B:SER:HA	1:31:B:LYS:HD3	16	0.26
(1,1931)	1:32:A:SER:HA	1:31:A:LYS:HD3	16	0.26
(1,1842)	1:37:B:LEU:HD22	1:37:B:LEU:HA	9	0.26
(1,1841)	1:37:A:LEU:HD22	1:37:A:LEU:HA	9	0.26
(1,1726)	1:21:B:GLY:HA3	1:26:B:LYS:HA	15	0.26
(1,1710)	1:5:B:LEU:HA	1:5:B:LEU:HD12	13	0.26
(1,1606)	1:41:B:GLU:HA	1:6:A:GLU:HG3	5	0.26
(1,1605)	1:41:A:GLU:HA	1:6:B:GLU:HG3	5	0.26
(1,1596)	1:95:B:ASP:HA	1:96:B:LYS:HG2	10	0.26
(1,1595)	1:95:A:ASP:HA	1:96:A:LYS:HG2	10	0.26
(1,1479)	1:42:A:LEU:HB2	1:45:A:PHE:HA	17	0.26
(1,1444)	1:49:B:ARG:HD2	1:46:B:LEU:HD11	17	0.26
(1,1436)	1:99:B:ARG:HD3	1:98:B:PRO:HA	4	0.26
(1,1412)	1:40:B:ARG:HD2	1:41:B:GLU:H	4	0.26
(1,1412)	1:40:B:ARG:HD3	1:41:B:GLU:H	18	0.26
(1,1411)	1:40:A:ARG:HD3	1:41:A:GLU:H	18	0.26
(1,1370)	1:22:B:LYS:HE2	1:18:B:LYS:HG2	17	0.26
(1,1369)	1:22:A:LYS:HE2	1:18:A:LYS:HG2	17	0.26
(1,1314)	1:58:B:LEU:HB3	1:62:B:LEU:HD11	7	0.26
(1,1278)	1:10:B:ASP:HB3	1:12:B:MET:H	3	0.26
(1,1190)	1:28:B:LYS:HB2	1:26:B:LYS:HA	2	0.26
(1,1189)	1:28:A:LYS:HB2	1:26:A:LYS:HA	2	0.26
(1,1078)	1:52:B:GLU:HG3	1:53:B:ALA:HB2	10	0.26
(1,1077)	1:52:A:GLU:HG3	1:53:A:ALA:HB2	10	0.26
(1,1072)	1:52:B:GLU:HB3	1:52:B:GLU:HG2	14	0.26
(1,1071)	1:52:A:GLU:HB3	1:52:A:GLU:HG2	14	0.26
(1,1071)	1:52:A:GLU:HB3	1:52:A:GLU:HG2	18	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1042)	1:52:B:GLU:HG3	1:53:B:ALA:H	20	0.26
(1,1041)	1:52:A:GLU:HG3	1:53:A:ALA:H	20	0.26
(1,952)	1:79:B:LEU:HD12	1:12:B:MET:HB3	4	0.26
(1,952)	1:79:B:LEU:HD11	1:12:B:MET:HB2	18	0.26
(1,951)	1:79:A:LEU:HD12	1:12:A:MET:HB3	4	0.26
(1,951)	1:79:A:LEU:HD11	1:12:A:MET:HB2	18	0.26
(1,892)	1:31:B:LYS:HB2	1:30:B:ASN:HA	11	0.26
(1,892)	1:31:B:LYS:HB2	1:30:B:ASN:HA	20	0.26
(1,891)	1:31:A:LYS:HB2	1:30:A:ASN:HA	11	0.26
(1,891)	1:31:A:LYS:HB2	1:30:A:ASN:HA	20	0.26
(1,822)	1:43:B:PRO:HB2	1:44:B:SER:HB2	2	0.26
(1,822)	1:43:B:PRO:HB2	1:44:B:SER:HB2	3	0.26
(1,822)	1:43:B:PRO:HB2	1:44:B:SER:HB2	4	0.26
(1,822)	1:43:B:PRO:HB2	1:44:B:SER:HB2	9	0.26
(1,821)	1:43:A:PRO:HB2	1:44:A:SER:HB2	9	0.26
(1,801)	1:41:A:GLU:HB2	1:5:B:LEU:HD23	11	0.26
(1,710)	1:22:B:LYS:HD3	1:37:B:LEU:HB2	13	0.26
(1,710)	1:22:B:LYS:HD3	1:37:B:LEU:HB2	20	0.26
(1,709)	1:22:A:LYS:HD3	1:37:A:LEU:HB2	12	0.26
(1,709)	1:22:A:LYS:HD3	1:37:A:LEU:HB2	13	0.26
(1,709)	1:22:A:LYS:HD3	1:37:A:LEU:HB2	20	0.26
(1,686)	1:100:B:LYS:HD3	1:101:B:LYS:HA	5	0.26
(1,632)	1:40:B:ARG:HG2	1:41:B:GLU:H	2	0.26
(1,580)	1:29:B:LEU:HD22	1:70:B:VAL:H	3	0.26
(1,580)	1:29:B:LEU:HD22	1:70:B:VAL:H	7	0.26
(1,579)	1:29:A:LEU:HD22	1:70:A:VAL:H	7	0.26
(1,524)	1:42:B:LEU:HD11	1:41:B:GLU:HA	11	0.26
(1,523)	1:42:A:LEU:HD11	1:41:A:GLU:HA	11	0.26
(1,520)	1:42:B:LEU:HG	1:82:B:ILE:HD11	15	0.26
(1,519)	1:42:A:LEU:HG	1:82:A:ILE:HD11	15	0.26
(1,476)	1:28:B:LYS:HG2	1:25:B:ASP:HB2	8	0.26
(1,470)	1:9:B:LEU:HD23	1:6:B:GLU:HA	3	0.26
(1,470)	1:9:B:LEU:HD23	1:6:B:GLU:HA	7	0.26
(1,469)	1:9:A:LEU:HD23	1:6:A:GLU:HA	3	0.26
(1,469)	1:9:A:LEU:HD23	1:6:A:GLU:HA	7	0.26
(1,430)	1:5:B:LEU:HD22	1:9:A:LEU:HA	12	0.26
(1,430)	1:5:B:LEU:HD21	1:9:A:LEU:HA	13	0.26
(1,429)	1:5:A:LEU:HD22	1:9:B:LEU:HA	12	0.26
(1,429)	1:5:A:LEU:HD21	1:9:B:LEU:HA	13	0.26
(1,429)	1:5:A:LEU:HD22	1:9:B:LEU:HA	15	0.26
(1,410)	1:54:B:ALA:HB2	1:46:B:LEU:HD23	9	0.26
(1,409)	1:54:A:ALA:HB2	1:46:A:LEU:HD23	9	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,408)	1:46:B:LEU:HD23	1:46:B:LEU:HB3	19	0.26
(1,407)	1:46:A:LEU:HD23	1:46:A:LEU:HB3	19	0.26
(1,392)	1:46:B:LEU:HD21	1:46:B:LEU:H	2	0.26
(1,392)	1:46:B:LEU:HD22	1:46:B:LEU:H	7	0.26
(1,391)	1:46:A:LEU:HD21	1:46:A:LEU:H	2	0.26
(1,391)	1:46:A:LEU:HD22	1:46:A:LEU:H	7	0.26
(1,313)	1:62:A:LEU:HD23	1:58:A:LEU:HD12	6	0.26
(1,236)	1:70:B:VAL:HG23	1:63:B:ASP:HB3	15	0.26
(1,206)	1:34:B:LEU:HD11	1:38:B:LEU:H	11	0.26
(1,206)	1:34:B:LEU:HD12	1:38:B:LEU:H	13	0.26
(1,206)	1:34:B:LEU:HD11	1:38:B:LEU:H	18	0.26
(1,205)	1:34:A:LEU:HD11	1:38:A:LEU:H	11	0.26
(1,205)	1:34:A:LEU:HD11	1:38:A:LEU:H	18	0.26
(1,190)	1:16:B:PHE:H	1:79:B:LEU:HD13	10	0.26
(1,189)	1:16:A:PHE:H	1:79:A:LEU:HD13	10	0.26
(1,144)	1:12:B:MET:H	1:11:B:VAL:HG12	6	0.26
(1,144)	1:12:B:MET:H	1:11:B:VAL:HG11	15	0.26
(1,143)	1:12:A:MET:H	1:11:A:VAL:HG12	1	0.26
(1,143)	1:12:A:MET:H	1:11:A:VAL:HG12	6	0.26
(1,143)	1:12:A:MET:H	1:11:A:VAL:HG11	15	0.26
(1,136)	1:77:B:VAL:HG12	1:73:B:GLN:HG2	14	0.26
(1,135)	1:77:A:VAL:HG12	1:73:A:GLN:HG2	14	0.26
(1,114)	1:2:B:ALA:HB3	1:6:B:GLU:HA	18	0.26
(1,84)	1:8:B:ALA:HB2	1:10:B:ASP:HB3	9	0.26
(1,76)	1:53:B:ALA:HB2	1:51:B:ASP:HA	2	0.26
(1,75)	1:53:A:ALA:HB2	1:51:A:ASP:HA	2	0.26
(1,58)	1:82:B:ILE:HG21	1:85:B:MET:HG3	2	0.26
(1,30)	1:82:B:ILE:H	1:82:B:ILE:HD11	11	0.26
(1,30)	1:82:B:ILE:H	1:82:B:ILE:HD13	16	0.26
(1,29)	1:82:A:ILE:H	1:82:A:ILE:HD11	11	0.26
(3,46)	1:48:A:LYS:H	1:44:A:SER:O	1	0.25
(2,228)	1:9:B:LEU:H	1:5:B:LEU:HB2	18	0.25
(2,228)	1:9:B:LEU:H	1:5:B:LEU:HB2	19	0.25
(2,227)	1:9:A:LEU:H	1:5:A:LEU:HB2	13	0.25
(2,227)	1:9:A:LEU:H	1:5:A:LEU:HB2	18	0.25
(2,50)	1:69:B:GLU:HB2	1:30:B:ASN:HB2	3	0.25
(2,49)	1:69:A:GLU:HB2	1:30:A:ASN:HB2	3	0.25
(2,3)	1:35:A:LYS:HG2	1:36:A:GLU:HA	6	0.25
(1,4598)	1:62:B:LEU:H	1:70:B:VAL:HG22	9	0.25
(1,4597)	1:62:A:LEU:H	1:70:A:VAL:HG22	9	0.25
(1,4589)	1:62:A:LEU:H	1:59:A:MET:H	17	0.25
(1,4578)	1:39:B:THR:H	1:36:B:GLU:HG3	4	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4578)	1:39:B:THR:H	1:36:B:GLU:HG3	20	0.25
(1,4577)	1:39:A:THR:H	1:36:A:GLU:HG3	20	0.25
(1,4568)	1:30:B:ASN:HD22	1:69:B:GLU:HG2	9	0.25
(1,4567)	1:30:A:ASN:HD22	1:69:A:GLU:HG2	9	0.25
(1,4522)	1:80:B:SER:H	1:82:B:ILE:HG13	10	0.25
(1,4521)	1:80:A:SER:H	1:82:A:ILE:HG13	10	0.25
(1,4515)	1:20:A:SER:H	1:18:A:LYS:HB3	11	0.25
(1,4508)	1:32:B:SER:H	1:33:B:GLU:HB3	10	0.25
(1,4507)	1:32:A:SER:H	1:33:A:GLU:HB3	16	0.25
(1,4476)	1:86:B:SER:H	1:13:A:VAL:HG21	9	0.25
(1,4475)	1:86:A:SER:H	1:13:B:VAL:HG21	9	0.25
(1,4460)	1:68:B:ASN:H	1:70:B:VAL:HG21	18	0.25
(1,4428)	1:34:B:LEU:H	1:22:B:LYS:HE3	11	0.25
(1,4427)	1:34:A:LEU:H	1:22:A:LYS:HE3	11	0.25
(1,4424)	1:35:B:LYS:H	1:29:B:LEU:HD13	8	0.25
(1,4423)	1:35:A:LYS:H	1:29:A:LEU:HD13	8	0.25
(1,4418)	1:35:B:LYS:H	1:36:B:GLU:HG3	1	0.25
(1,4418)	1:35:B:LYS:H	1:36:B:GLU:HG3	3	0.25
(1,4417)	1:35:A:LYS:H	1:36:A:GLU:HG3	16	0.25
(1,4386)	1:76:B:SER:H	1:77:B:VAL:HG21	14	0.25
(1,4375)	1:95:A:ASP:H	1:96:A:LYS:HD3	17	0.25
(1,4366)	1:9:B:LEU:H	1:79:A:LEU:HD13	20	0.25
(1,4365)	1:9:A:LEU:H	1:79:B:LEU:HD13	20	0.25
(1,4310)	1:22:B:LYS:H	1:17:B:HIS:HA	11	0.25
(1,4309)	1:22:A:LYS:H	1:17:A:HIS:HA	11	0.25
(1,4296)	1:64:B:SER:H	1:63:B:ASP:H	3	0.25
(1,4295)	1:64:A:SER:H	1:63:A:ASP:H	3	0.25
(1,4288)	1:45:B:PHE:H	1:82:B:ILE:HG22	18	0.25
(1,4287)	1:45:A:PHE:H	1:82:A:ILE:HG22	18	0.25
(1,4166)	1:76:B:SER:HA	1:83:A:ALA:HB2	3	0.25
(1,4166)	1:76:B:SER:HA	1:83:A:ALA:HB3	4	0.25
(1,4166)	1:76:B:SER:HA	1:83:A:ALA:HB2	19	0.25
(1,4165)	1:76:A:SER:HA	1:83:B:ALA:HB2	3	0.25
(1,4165)	1:76:A:SER:HA	1:83:B:ALA:HB2	19	0.25
(1,4148)	1:16:B:PHE:HA	1:20:B:SER:HB3	4	0.25
(1,4117)	1:64:A:SER:HA	1:60:A:SER:HB3	8	0.25
(1,4042)	1:99:B:ARG:HA	1:98:B:PRO:HB3	2	0.25
(1,4041)	1:99:A:ARG:HA	1:98:A:PRO:HB3	2	0.25
(1,4002)	1:69:B:GLU:HA	1:33:B:GLU:HB2	4	0.25
(1,4001)	1:69:A:GLU:HA	1:33:A:GLU:HB2	4	0.25
(1,3980)	1:42:B:LEU:HA	1:44:B:SER:HB3	14	0.25
(1,3964)	1:2:B:ALA:HA	1:15:A:THR:HA	19	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3963)	1:2:A:ALA:HA	1:15:B:THR:HA	9	0.25
(1,3963)	1:2:A:ALA:HA	1:15:B:THR:HA	19	0.25
(1,3957)	1:94:A:PRO:HD3	1:89:A:PHE:HA	7	0.25
(1,3950)	1:21:B:GLY:HA3	1:22:B:LYS:HD3	13	0.25
(1,3949)	1:21:A:GLY:HA3	1:22:A:LYS:HD3	13	0.25
(1,3944)	1:42:B:LEU:HB3	1:79:B:LEU:HD22	7	0.25
(1,3943)	1:42:A:LEU:HB3	1:79:A:LEU:HD22	7	0.25
(1,3837)	1:34:A:LEU:HB2	1:38:A:LEU:HB2	1	0.25
(1,3837)	1:34:A:LEU:HB2	1:38:A:LEU:HB2	14	0.25
(1,3788)	1:55:B:PHE:HB2	1:35:B:LYS:HB2	3	0.25
(1,3780)	1:87:B:ASN:HB2	1:88:B:GLU:HB2	3	0.25
(1,3779)	1:87:A:ASN:HB2	1:88:A:GLU:HB2	3	0.25
(1,3723)	1:69:A:GLU:HG2	1:29:A:LEU:HA	12	0.25
(1,3632)	1:43:B:PRO:HB2	1:42:B:LEU:HB3	15	0.25
(1,3632)	1:43:B:PRO:HB2	1:42:B:LEU:HB3	18	0.25
(1,3631)	1:43:A:PRO:HB2	1:42:A:LEU:HB3	15	0.25
(1,3631)	1:43:A:PRO:HB2	1:42:A:LEU:HB3	18	0.25
(1,3624)	1:43:B:PRO:HB3	1:47:B:GLY:HA3	9	0.25
(1,3610)	1:28:B:LYS:HD2	1:69:B:GLU:HB3	17	0.25
(1,3609)	1:28:A:LYS:HD2	1:69:A:GLU:HB3	17	0.25
(1,3584)	1:7:B:LYS:HD3	1:7:B:LYS:HB3	20	0.25
(1,3583)	1:7:A:LYS:HD3	1:7:A:LYS:HB3	20	0.25
(1,3548)	1:37:B:LEU:HD23	1:37:B:LEU:HA	3	0.25
(1,3547)	1:37:A:LEU:HD23	1:37:A:LEU:HA	3	0.25
(1,3502)	1:34:B:LEU:HD21	1:58:B:LEU:HB3	6	0.25
(1,3491)	1:81:A:SER:H	1:79:A:LEU:HD22	17	0.25
(1,3446)	1:35:B:LYS:HG2	1:38:B:LEU:H	12	0.25
(1,3445)	1:35:A:LYS:HG2	1:38:A:LEU:H	12	0.25
(1,3304)	1:9:B:LEU:HD13	1:15:A:THR:HB	16	0.25
(1,3188)	1:39:B:THR:H	1:46:B:LEU:HD11	6	0.25
(1,3188)	1:39:B:THR:H	1:46:B:LEU:HD13	19	0.25
(1,3187)	1:39:A:THR:H	1:46:A:LEU:HD13	19	0.25
(1,3172)	1:30:B:ASN:HD22	1:22:B:LYS:HE3	6	0.25
(1,3171)	1:30:A:ASN:HD22	1:22:A:LYS:HE3	6	0.25
(1,3131)	1:73:A:GLN:HE22	1:62:A:LEU:HD23	1	0.25
(1,3128)	1:73:B:GLN:HE22	1:77:B:VAL:HB	9	0.25
(1,3128)	1:73:B:GLN:HE22	1:77:B:VAL:HB	17	0.25
(1,3046)	1:41:B:GLU:H	1:29:B:LEU:HD11	19	0.25
(1,3045)	1:41:A:GLU:H	1:29:A:LEU:HD11	19	0.25
(1,2774)	1:59:B:MET:H	1:62:B:LEU:HD13	20	0.25
(1,2773)	1:59:A:MET:H	1:62:A:LEU:HD13	20	0.25
(1,2752)	1:34:B:LEU:H	1:29:B:LEU:HD11	18	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2751)	1:34:A:LEU:H	1:29:A:LEU:HD11	18	0.25
(1,2592)	1:56:B:GLN:H	1:55:B:PHE:HB2	13	0.25
(1,2591)	1:56:A:GLN:H	1:55:A:PHE:HB2	13	0.25
(1,2584)	1:16:B:PHE:H	1:29:B:LEU:HD11	6	0.25
(1,2546)	1:93:B:PHE:H	1:96:B:LYS:HE3	18	0.25
(1,2545)	1:93:A:PHE:H	1:96:A:LYS:HE3	18	0.25
(1,2543)	1:93:A:PHE:H	1:92:A:GLY:HA3	16	0.25
(1,2477)	1:87:A:ASN:H	1:13:B:VAL:HG22	14	0.25
(1,2462)	1:37:B:LEU:H	1:29:B:LEU:HD12	14	0.25
(1,2461)	1:37:A:LEU:H	1:29:A:LEU:HD12	14	0.25
(1,2412)	1:52:B:GLU:H	1:51:B:ASP:HB3	9	0.25
(1,2411)	1:52:A:GLU:H	1:51:A:ASP:HB3	10	0.25
(1,2394)	1:18:B:LYS:H	1:37:B:LEU:HD12	1	0.25
(1,2393)	1:18:A:LYS:H	1:37:A:LEU:HD12	1	0.25
(1,2324)	1:78:B:PHE:H	1:82:B:ILE:HD12	11	0.25
(1,2288)	1:3:B:SER:H	1:6:B:GLU:HA	15	0.25
(1,2287)	1:3:A:SER:H	1:6:A:GLU:HA	15	0.25
(1,2248)	1:8:B:ALA:H	1:43:A:PRO:HD2	1	0.25
(1,2247)	1:8:A:ALA:H	1:43:B:PRO:HD2	1	0.25
(1,2215)	1:30:A:ASN:H	1:29:A:LEU:HD13	1	0.25
(1,2215)	1:30:A:ASN:H	1:29:A:LEU:HD11	9	0.25
(1,2194)	1:12:B:MET:H	1:79:B:LEU:HD13	7	0.25
(1,2162)	1:70:B:VAL:H	1:31:B:LYS:HA	1	0.25
(1,2162)	1:70:B:VAL:H	1:31:B:LYS:HA	7	0.25
(1,2161)	1:70:A:VAL:H	1:31:A:LYS:HA	1	0.25
(1,2090)	1:26:B:LYS:H	1:28:B:LYS:HA	2	0.25
(1,2090)	1:26:B:LYS:H	1:28:B:LYS:HA	6	0.25
(1,2089)	1:26:A:LYS:H	1:28:A:LYS:HA	2	0.25
(1,2089)	1:26:A:LYS:H	1:28:A:LYS:HA	18	0.25
(1,2085)	1:39:A:THR:HB	1:40:A:ARG:HD2	10	0.25
(1,2085)	1:39:A:THR:HB	1:40:A:ARG:HD2	12	0.25
(1,2070)	1:13:B:VAL:HA	1:83:A:ALA:HB3	6	0.25
(1,2020)	1:82:B:ILE:HA	1:85:B:MET:HB3	10	0.25
(1,2019)	1:82:A:ILE:HA	1:85:A:MET:HB3	10	0.25
(1,2012)	1:94:B:PRO:HA	1:95:B:ASP:HB2	8	0.25
(1,1996)	1:32:B:SER:HB2	1:33:B:GLU:HG2	5	0.25
(1,1994)	1:60:B:SER:HB3	1:61:B:ASN:HB3	13	0.25
(1,1992)	1:60:B:SER:HB2	1:66:B:ARG:HD3	18	0.25
(1,1991)	1:60:A:SER:HB2	1:66:A:ARG:HD3	18	0.25
(1,1842)	1:37:B:LEU:HD23	1:37:B:LEU:HA	3	0.25
(1,1841)	1:37:A:LEU:HD23	1:37:A:LEU:HA	3	0.25
(1,1725)	1:21:A:GLY:HA3	1:26:A:LYS:HA	15	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1710)	1:5:B:LEU:HA	1:5:B:LEU:HD12	9	0.25
(1,1710)	1:5:B:LEU:HA	1:5:B:LEU:HD11	10	0.25
(1,1710)	1:5:B:LEU:HA	1:5:B:LEU:HD12	12	0.25
(1,1710)	1:5:B:LEU:HA	1:5:B:LEU:HD11	18	0.25
(1,1709)	1:5:A:LEU:HA	1:5:A:LEU:HD12	9	0.25
(1,1709)	1:5:A:LEU:HA	1:5:A:LEU:HD11	10	0.25
(1,1709)	1:5:A:LEU:HA	1:5:A:LEU:HD12	12	0.25
(1,1709)	1:5:A:LEU:HA	1:5:A:LEU:HD12	13	0.25
(1,1709)	1:5:A:LEU:HA	1:5:A:LEU:HD11	18	0.25
(1,1572)	1:71:B:ASP:HA	1:70:B:VAL:HG12	5	0.25
(1,1572)	1:71:B:ASP:HA	1:70:B:VAL:HG11	15	0.25
(1,1572)	1:71:B:ASP:HA	1:70:B:VAL:HG13	19	0.25
(1,1571)	1:71:A:ASP:HA	1:70:A:VAL:HG12	5	0.25
(1,1571)	1:71:A:ASP:HA	1:70:A:VAL:HG11	15	0.25
(1,1571)	1:71:A:ASP:HA	1:70:A:VAL:HG13	19	0.25
(1,1545)	1:43:A:PRO:HD2	1:7:B:LYS:HD2	14	0.25
(1,1480)	1:42:B:LEU:HB2	1:45:B:PHE:HA	3	0.25
(1,1479)	1:42:A:LEU:HB2	1:45:A:PHE:HA	3	0.25
(1,1448)	1:29:B:LEU:HB2	1:33:B:GLU:HB3	12	0.25
(1,1447)	1:29:A:LEU:HB2	1:33:A:GLU:HB3	12	0.25
(1,1443)	1:49:A:ARG:HD2	1:46:A:LEU:HD11	17	0.25
(1,1322)	1:56:B:GLN:HE21	1:31:B:LYS:HE3	17	0.25
(1,1314)	1:58:B:LEU:HB3	1:62:B:LEU:HD11	9	0.25
(1,1313)	1:58:A:LEU:HB3	1:62:A:LEU:HD11	7	0.25
(1,1313)	1:58:A:LEU:HB3	1:62:A:LEU:HD11	9	0.25
(1,1266)	1:79:B:LEU:HB2	1:9:A:LEU:HD12	6	0.25
(1,1256)	1:28:B:LYS:HB3	1:70:B:VAL:HG22	4	0.25
(1,1255)	1:28:A:LYS:HB3	1:70:A:VAL:HG22	4	0.25
(1,1190)	1:28:B:LYS:HB2	1:26:B:LYS:HA	6	0.25
(1,1190)	1:28:B:LYS:HB2	1:26:B:LYS:HA	14	0.25
(1,1189)	1:28:A:LYS:HB2	1:26:A:LYS:HA	6	0.25
(1,1077)	1:52:A:GLU:HG3	1:53:A:ALA:HB3	20	0.25
(1,1072)	1:52:B:GLU:HB2	1:52:B:GLU:HG3	6	0.25
(1,1072)	1:52:B:GLU:HB2	1:52:B:GLU:HG3	10	0.25
(1,1072)	1:52:B:GLU:HB2	1:52:B:GLU:HG2	15	0.25
(1,1071)	1:52:A:GLU:HB2	1:52:A:GLU:HG3	5	0.25
(1,1071)	1:52:A:GLU:HB2	1:52:A:GLU:HG3	6	0.25
(1,1071)	1:52:A:GLU:HB2	1:52:A:GLU:HG3	10	0.25
(1,1071)	1:52:A:GLU:HB2	1:52:A:GLU:HG2	15	0.25
(1,1060)	1:88:B:GLU:HG2	1:84:B:MET:HA	6	0.25
(1,1059)	1:88:A:GLU:HG2	1:84:A:MET:HA	6	0.25
(1,1042)	1:52:B:GLU:HG3	1:53:B:ALA:H	8	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,942)	1:85:B:MET:HB2	1:89:B:PHE:HB2	15	0.25
(1,941)	1:85:A:MET:HB2	1:89:A:PHE:HB2	15	0.25
(1,905)	1:31:A:LYS:HB3	1:35:A:LYS:HE3	19	0.25
(1,856)	1:26:B:LYS:HB3	1:21:B:GLY:HA2	7	0.25
(1,855)	1:26:A:LYS:HB3	1:21:A:GLY:HA2	7	0.25
(1,822)	1:43:B:PRO:HB2	1:44:B:SER:HB2	19	0.25
(1,822)	1:43:B:PRO:HB2	1:44:B:SER:HB2	20	0.25
(1,821)	1:43:A:PRO:HB2	1:44:A:SER:HB2	19	0.25
(1,821)	1:43:A:PRO:HB2	1:44:A:SER:HB2	20	0.25
(1,802)	1:41:B:GLU:HB2	1:5:A:LEU:HD23	11	0.25
(1,728)	1:26:B:LYS:HD3	1:22:B:LYS:HA	7	0.25
(1,727)	1:26:A:LYS:HD3	1:22:A:LYS:HA	7	0.25
(1,710)	1:22:B:LYS:HD3	1:37:B:LEU:HB2	12	0.25
(1,690)	1:35:B:LYS:HD3	1:55:B:PHE:HB2	4	0.25
(1,689)	1:35:A:LYS:HD3	1:55:A:PHE:HB2	4	0.25
(1,685)	1:100:A:LYS:HD3	1:101:A:LYS:HA	5	0.25
(1,632)	1:40:B:ARG:HG2	1:41:B:GLU:H	12	0.25
(1,631)	1:40:A:ARG:HG2	1:41:A:GLU:H	2	0.25
(1,631)	1:40:A:ARG:HG2	1:41:A:GLU:H	12	0.25
(1,580)	1:29:B:LEU:HD21	1:70:B:VAL:H	9	0.25
(1,580)	1:29:B:LEU:HD22	1:70:B:VAL:H	19	0.25
(1,579)	1:29:A:LEU:HD21	1:70:A:VAL:H	9	0.25
(1,579)	1:29:A:LEU:HD22	1:70:A:VAL:H	19	0.25
(1,458)	1:58:B:LEU:HD22	1:62:B:LEU:HD12	6	0.25
(1,458)	1:58:B:LEU:HD22	1:62:B:LEU:HD13	11	0.25
(1,457)	1:58:A:LEU:HD22	1:62:A:LEU:HD13	11	0.25
(1,454)	1:5:B:LEU:HD23	1:9:B:LEU:HD21	10	0.25
(1,453)	1:5:A:LEU:HD23	1:9:A:LEU:HD21	10	0.25
(1,430)	1:5:B:LEU:HD22	1:9:A:LEU:HA	4	0.25
(1,430)	1:5:B:LEU:HD22	1:9:A:LEU:HA	15	0.25
(1,398)	1:7:B:LYS:HG3	1:7:B:LYS:HA	9	0.25
(1,397)	1:7:A:LYS:HG3	1:7:A:LYS:HA	9	0.25
(1,392)	1:46:B:LEU:HD23	1:46:B:LEU:H	4	0.25
(1,391)	1:46:A:LEU:HD23	1:46:A:LEU:H	4	0.25
(1,314)	1:62:B:LEU:HD21	1:58:B:LEU:HD12	14	0.25
(1,313)	1:62:A:LEU:HD21	1:58:A:LEU:HD12	14	0.25
(1,276)	1:9:B:LEU:HD12	1:79:A:LEU:HD11	1	0.25
(1,275)	1:9:A:LEU:HD12	1:79:B:LEU:HD11	1	0.25
(1,267)	1:9:A:LEU:HD12	1:12:B:MET:HB2	17	0.25
(1,262)	1:38:B:LEU:HD12	1:45:B:PHE:HA	10	0.25
(1,261)	1:38:A:LEU:HD12	1:45:A:PHE:HA	10	0.25
(1,252)	1:5:B:LEU:HD12	1:11:A:VAL:HB	7	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,206)	1:34:B:LEU:HD12	1:38:B:LEU:H	19	0.25
(1,205)	1:34:A:LEU:HD12	1:38:A:LEU:H	19	0.25
(1,204)	1:76:B:SER:H	1:77:B:VAL:HG23	1	0.25
(1,203)	1:76:A:SER:H	1:77:A:VAL:HG23	1	0.25
(1,171)	1:50:A:THR:HG21	1:48:A:LYS:HA	3	0.25
(1,144)	1:12:B:MET:H	1:11:B:VAL:HG12	1	0.25
(1,118)	1:2:B:ALA:HB3	1:5:B:LEU:HB3	19	0.25
(1,117)	1:2:A:ALA:HB3	1:5:A:LEU:HB3	19	0.25
(1,114)	1:2:B:ALA:HB2	1:6:B:GLU:HA	12	0.25
(1,113)	1:2:A:ALA:HB2	1:6:A:GLU:HA	12	0.25
(1,113)	1:2:A:ALA:HB3	1:6:A:GLU:HA	18	0.25
(1,83)	1:8:A:ALA:HB2	1:10:A:ASP:HB3	9	0.25
(1,83)	1:8:A:ALA:HB2	1:10:A:ASP:HB3	18	0.25
(1,57)	1:82:A:ILE:HG21	1:85:A:MET:HG3	2	0.25
(1,29)	1:82:A:ILE:H	1:82:A:ILE:HD11	1	0.25
(1,29)	1:82:A:ILE:H	1:82:A:ILE:HD13	16	0.25
(1,12)	1:5:B:LEU:HD22	1:42:A:LEU:HG	17	0.25
(3,138)	1:48:B:LYS:H	1:44:B:SER:O	1	0.24
(2,228)	1:9:B:LEU:H	1:5:B:LEU:HB2	13	0.24
(2,228)	1:9:B:LEU:H	1:5:B:LEU:HB2	16	0.24
(2,227)	1:9:A:LEU:H	1:5:A:LEU:HB2	16	0.24
(2,222)	1:5:B:LEU:H	1:41:A:GLU:HA	11	0.24
(2,129)	1:21:A:GLY:HA2	1:18:A:LYS:HA	3	0.24
(2,78)	1:49:B:ARG:HD2	1:46:B:LEU:HA	17	0.24
(2,77)	1:49:A:ARG:HD2	1:46:A:LEU:HA	17	0.24
(2,46)	1:59:B:MET:HG3	1:66:B:ARG:HD2	12	0.24
(2,46)	1:59:B:MET:HG3	1:66:B:ARG:HD2	17	0.24
(2,45)	1:59:A:MET:HG3	1:66:A:ARG:HD2	12	0.24
(2,45)	1:59:A:MET:HG3	1:66:A:ARG:HD2	17	0.24
(2,44)	1:98:B:PRO:HB3	1:97:B:GLN:HB2	10	0.24
(2,43)	1:98:A:PRO:HB3	1:97:A:GLN:HB2	10	0.24
(2,4)	1:35:B:LYS:HG2	1:36:B:GLU:HA	6	0.24
(1,4616)	1:56:B:GLN:HE22	1:60:B:SER:HA	11	0.24
(1,4615)	1:56:A:GLN:HE22	1:60:A:SER:HA	11	0.24
(1,4608)	1:81:B:SER:H	1:76:B:SER:H	5	0.24
(1,4607)	1:81:A:SER:H	1:76:A:SER:H	5	0.24
(1,4598)	1:62:B:LEU:H	1:70:B:VAL:HG23	3	0.24
(1,4597)	1:62:A:LEU:H	1:70:A:VAL:HG23	3	0.24
(1,4589)	1:62:A:LEU:H	1:59:A:MET:H	5	0.24
(1,4578)	1:39:B:THR:H	1:36:B:GLU:HG3	6	0.24
(1,4577)	1:39:A:THR:H	1:36:A:GLU:HG3	4	0.24
(1,4538)	1:97:B:GLN:HE22	1:88:B:GLU:H	7	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4522)	1:80:B:SER:H	1:82:B:ILE:HG13	9	0.24
(1,4521)	1:80:A:SER:H	1:82:A:ILE:HG13	9	0.24
(1,4520)	1:80:B:SER:H	1:84:B:MET:H	1	0.24
(1,4520)	1:80:B:SER:H	1:84:B:MET:H	19	0.24
(1,4519)	1:80:A:SER:H	1:84:A:MET:H	1	0.24
(1,4519)	1:80:A:SER:H	1:84:A:MET:H	19	0.24
(1,4509)	1:32:A:SER:H	1:34:A:LEU:HD21	3	0.24
(1,4508)	1:32:B:SER:H	1:33:B:GLU:HB3	16	0.24
(1,4507)	1:32:A:SER:H	1:33:A:GLU:HB3	10	0.24
(1,4498)	1:87:B:ASN:HD22	1:95:B:ASP:H	8	0.24
(1,4497)	1:87:A:ASN:HD22	1:95:A:ASP:H	8	0.24
(1,4476)	1:86:B:SER:H	1:13:A:VAL:HG23	8	0.24
(1,4475)	1:86:A:SER:H	1:13:B:VAL:HG23	8	0.24
(1,4464)	1:31:B:LYS:H	1:34:B:LEU:HD21	5	0.24
(1,4464)	1:31:B:LYS:H	1:34:B:LEU:HD23	6	0.24
(1,4463)	1:31:A:LYS:H	1:34:A:LEU:HD21	5	0.24
(1,4463)	1:31:A:LYS:H	1:34:A:LEU:HD23	6	0.24
(1,4459)	1:68:A:ASN:H	1:70:A:VAL:HG21	18	0.24
(1,4438)	1:38:B:LEU:H	1:37:B:LEU:HG	3	0.24
(1,4438)	1:38:B:LEU:H	1:37:B:LEU:HG	16	0.24
(1,4437)	1:38:A:LEU:H	1:37:A:LEU:HG	3	0.24
(1,4437)	1:38:A:LEU:H	1:37:A:LEU:HG	16	0.24
(1,4418)	1:35:B:LYS:H	1:36:B:GLU:HG3	9	0.24
(1,4418)	1:35:B:LYS:H	1:36:B:GLU:HG3	14	0.24
(1,4417)	1:35:A:LYS:H	1:36:A:GLU:HG3	1	0.24
(1,4417)	1:35:A:LYS:H	1:36:A:GLU:HG3	3	0.24
(1,4417)	1:35:A:LYS:H	1:36:A:GLU:HG3	9	0.24
(1,4417)	1:35:A:LYS:H	1:36:A:GLU:HG3	14	0.24
(1,4396)	1:72:B:PHE:H	1:77:B:VAL:H	1	0.24
(1,4395)	1:72:A:PHE:H	1:77:A:VAL:H	1	0.24
(1,4384)	1:76:B:SER:H	1:83:A:ALA:HB2	3	0.24
(1,4376)	1:95:B:ASP:H	1:96:B:LYS:HD3	17	0.24
(1,4228)	1:29:B:LEU:H	1:34:B:LEU:HA	2	0.24
(1,4227)	1:29:A:LEU:H	1:34:A:LEU:HA	2	0.24
(1,4227)	1:29:A:LEU:H	1:34:A:LEU:HA	8	0.24
(1,4192)	1:11:B:VAL:HA	1:8:B:ALA:HB1	7	0.24
(1,4191)	1:11:A:VAL:HA	1:8:A:ALA:HB1	7	0.24
(1,4168)	1:76:B:SER:HB3	1:79:B:LEU:HB3	11	0.24
(1,4167)	1:76:A:SER:HB3	1:79:A:LEU:HB3	11	0.24
(1,4165)	1:76:A:SER:HA	1:83:B:ALA:HB3	4	0.24
(1,4147)	1:16:A:PHE:HA	1:20:A:SER:HB3	4	0.24
(1,4134)	1:70:B:VAL:HA	1:62:B:LEU:HB3	3	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4134)	1:70:B:VAL:HA	1:62:B:LEU:HB3	6	0.24
(1,4133)	1:70:A:VAL:HA	1:62:A:LEU:HB3	6	0.24
(1,4006)	1:61:B:ASN:HA	1:57:B:LYS:HA	7	0.24
(1,4005)	1:61:A:ASN:HA	1:57:A:LYS:HA	7	0.24
(1,3994)	1:42:B:LEU:HA	1:45:B:PHE:HA	7	0.24
(1,3993)	1:42:A:LEU:HA	1:45:A:PHE:HA	7	0.24
(1,3964)	1:2:B:ALA:HA	1:15:A:THR:HA	9	0.24
(1,3958)	1:94:B:PRO:HD3	1:89:B:PHE:HA	12	0.24
(1,3957)	1:94:A:PRO:HD3	1:89:A:PHE:HA	12	0.24
(1,3945)	1:42:A:LEU:HB2	1:79:A:LEU:HD21	3	0.24
(1,3921)	1:49:A:ARG:HD3	1:50:A:THR:H	11	0.24
(1,3850)	1:9:B:LEU:HB3	1:79:A:LEU:HD12	4	0.24
(1,3848)	1:9:B:LEU:HB2	1:79:A:LEU:HD12	7	0.24
(1,3840)	1:25:B:ASP:HB2	1:28:B:LYS:HG3	20	0.24
(1,3839)	1:25:A:ASP:HB2	1:28:A:LYS:HG3	20	0.24
(1,3838)	1:34:B:LEU:HB2	1:38:B:LEU:HB2	1	0.24
(1,3838)	1:34:B:LEU:HB2	1:38:B:LEU:HB2	6	0.24
(1,3838)	1:34:B:LEU:HB2	1:38:B:LEU:HB2	14	0.24
(1,3837)	1:34:A:LEU:HB2	1:38:A:LEU:HB2	6	0.24
(1,3832)	1:9:B:LEU:HB2	1:12:B:MET:HB3	4	0.24
(1,3831)	1:9:A:LEU:HB2	1:12:A:MET:HB3	4	0.24
(1,3812)	1:18:B:LYS:HB3	1:16:B:PHE:HB2	2	0.24
(1,3812)	1:18:B:LYS:HB3	1:16:B:PHE:HB2	20	0.24
(1,3811)	1:18:A:LYS:HB3	1:16:A:PHE:HB2	2	0.24
(1,3811)	1:18:A:LYS:HB3	1:16:A:PHE:HB2	20	0.24
(1,3736)	1:94:B:PRO:HB2	1:88:B:GLU:HG3	20	0.24
(1,3735)	1:94:A:PRO:HB2	1:88:A:GLU:HG3	20	0.24
(1,3724)	1:69:B:GLU:HG2	1:29:B:LEU:HA	2	0.24
(1,3723)	1:69:A:GLU:HG2	1:29:A:LEU:HA	2	0.24
(1,3660)	1:18:B:LYS:HD3	1:18:B:LYS:HB2	13	0.24
(1,3659)	1:18:A:LYS:HD3	1:18:A:LYS:HB2	13	0.24
(1,3644)	1:31:B:LYS:HB3	1:35:B:LYS:HA	7	0.24
(1,3643)	1:31:A:LYS:HB3	1:35:A:LYS:HA	7	0.24
(1,3542)	1:37:B:LEU:HD11	1:17:B:HIS:HA	14	0.24
(1,3541)	1:37:A:LEU:HD11	1:17:A:HIS:HA	14	0.24
(1,3501)	1:34:A:LEU:HD21	1:58:A:LEU:HB3	6	0.24
(1,3492)	1:81:B:SER:H	1:79:B:LEU:HD22	17	0.24
(1,3472)	1:31:B:LYS:HG3	1:34:B:LEU:HD23	20	0.24
(1,3471)	1:31:A:LYS:HG3	1:34:A:LEU:HD23	20	0.24
(1,3461)	1:29:A:LEU:HD11	1:69:A:GLU:HA	5	0.24
(1,3444)	1:18:B:LYS:HG3	1:20:B:SER:H	1	0.24
(1,3443)	1:18:A:LYS:HG3	1:20:A:SER:H	1	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3443)	1:26:A:LYS:HG3	1:20:A:SER:H	18	0.24
(1,3394)	1:77:B:VAL:HG23	1:74:B:GLU:HA	19	0.24
(1,3393)	1:77:A:VAL:HG23	1:74:A:GLU:HA	19	0.24
(1,3308)	1:31:B:LYS:HB3	1:31:B:LYS:HA	13	0.24
(1,3307)	1:31:A:LYS:HB3	1:31:A:LYS:HA	13	0.24
(1,3307)	1:31:A:LYS:HB3	1:31:A:LYS:HA	19	0.24
(1,3303)	1:9:A:LEU:HD13	1:15:B:THR:HB	16	0.24
(1,3190)	1:39:B:THR:H	1:29:B:LEU:HD13	20	0.24
(1,3189)	1:39:A:THR:H	1:29:A:LEU:HD13	20	0.24
(1,3188)	1:39:B:THR:H	1:46:B:LEU:HD11	13	0.24
(1,3187)	1:39:A:THR:H	1:46:A:LEU:HD11	13	0.24
(1,3128)	1:73:B:GLN:HE22	1:77:B:VAL:HB	14	0.24
(1,3127)	1:73:A:GLN:HE22	1:77:A:VAL:HB	9	0.24
(1,3083)	1:65:A:ASN:HD22	1:67:A:ASP:HB2	15	0.24
(1,3082)	1:65:B:ASN:HD22	1:65:B:ASN:HA	5	0.24
(1,3082)	1:65:B:ASN:HD22	1:65:B:ASN:HA	19	0.24
(1,3081)	1:65:A:ASN:HD22	1:65:A:ASN:HA	5	0.24
(1,3081)	1:65:A:ASN:HD22	1:65:A:ASN:HA	19	0.24
(1,3048)	1:97:B:GLN:HE22	1:96:B:LYS:H	10	0.24
(1,3047)	1:97:A:GLN:HE22	1:96:A:LYS:H	10	0.24
(1,2912)	1:44:B:SER:H	1:42:B:LEU:HD22	8	0.24
(1,2911)	1:44:A:SER:H	1:42:A:LEU:HD22	8	0.24
(1,2786)	1:89:B:PHE:H	1:13:A:VAL:HG13	13	0.24
(1,2752)	1:34:B:LEU:H	1:29:B:LEU:HD11	10	0.24
(1,2752)	1:34:B:LEU:H	1:29:B:LEU:HD12	13	0.24
(1,2751)	1:34:A:LEU:H	1:29:A:LEU:HD11	10	0.24
(1,2751)	1:34:A:LEU:H	1:29:A:LEU:HD12	13	0.24
(1,2736)	1:46:B:LEU:H	1:82:B:ILE:HD12	13	0.24
(1,2680)	1:7:B:LYS:H	1:7:B:LYS:HG3	19	0.24
(1,2583)	1:16:A:PHE:H	1:29:A:LEU:HD11	6	0.24
(1,2478)	1:87:B:ASN:H	1:13:A:VAL:HG22	14	0.24
(1,2412)	1:52:B:GLU:H	1:51:B:ASP:HB3	7	0.24
(1,2411)	1:52:A:GLU:H	1:51:A:ASP:HB3	7	0.24
(1,2324)	1:78:B:PHE:H	1:82:B:ILE:HD11	4	0.24
(1,2323)	1:78:A:PHE:H	1:82:A:ILE:HD11	4	0.24
(1,2304)	1:45:B:PHE:H	1:7:A:LYS:HD3	8	0.24
(1,2303)	1:45:A:PHE:H	1:7:B:LYS:HD3	8	0.24
(1,2216)	1:30:B:ASN:H	1:29:B:LEU:HD13	1	0.24
(1,2216)	1:30:B:ASN:H	1:29:B:LEU:HD11	15	0.24
(1,2215)	1:30:A:ASN:H	1:29:A:LEU:HD11	15	0.24
(1,2214)	1:30:B:ASN:H	1:34:B:LEU:HD11	3	0.24
(1,2213)	1:30:A:ASN:H	1:34:A:LEU:HD11	3	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2210)	1:30:B:ASN:H	1:33:B:GLU:HB3	13	0.24
(1,2210)	1:30:B:ASN:H	1:33:B:GLU:HB3	16	0.24
(1,2162)	1:70:B:VAL:H	1:31:B:LYS:HA	9	0.24
(1,2161)	1:70:A:VAL:H	1:31:A:LYS:HA	7	0.24
(1,2161)	1:70:A:VAL:H	1:31:A:LYS:HA	9	0.24
(1,2116)	1:101:B:LYS:H	1:100:B:LYS:HB2	14	0.24
(1,2116)	1:101:B:LYS:H	1:100:B:LYS:HB3	17	0.24
(1,2115)	1:101:A:LYS:H	1:100:A:LYS:HB2	14	0.24
(1,2115)	1:101:A:LYS:H	1:100:A:LYS:HB3	17	0.24
(1,2091)	1:26:A:LYS:H	1:21:A:GLY:HA3	8	0.24
(1,2090)	1:26:B:LYS:H	1:28:B:LYS:HA	18	0.24
(1,2086)	1:39:B:THR:HB	1:40:B:ARG:HD2	10	0.24
(1,2086)	1:39:B:THR:HB	1:40:B:ARG:HD2	12	0.24
(1,2036)	1:43:B:PRO:HA	1:7:A:LYS:HD3	8	0.24
(1,2020)	1:82:B:ILE:HA	1:85:B:MET:HB3	19	0.24
(1,2019)	1:82:A:ILE:HA	1:85:A:MET:HB3	19	0.24
(1,2012)	1:94:B:PRO:HA	1:95:B:ASP:HB2	14	0.24
(1,2011)	1:94:A:PRO:HA	1:95:A:ASP:HB2	6	0.24
(1,2011)	1:94:A:PRO:HA	1:95:A:ASP:HB2	8	0.24
(1,2011)	1:94:A:PRO:HA	1:95:A:ASP:HB2	14	0.24
(1,2003)	1:98:A:PRO:HA	1:101:A:LYS:HG3	5	0.24
(1,1995)	1:32:A:SER:HB2	1:33:A:GLU:HG2	5	0.24
(1,1993)	1:60:A:SER:HB3	1:61:A:ASN:HB3	13	0.24
(1,1993)	1:60:A:SER:HB2	1:61:A:ASN:HB3	15	0.24
(1,1932)	1:32:B:SER:HA	1:31:B:LYS:HD3	20	0.24
(1,1726)	1:21:B:GLY:HA3	1:26:B:LYS:HA	7	0.24
(1,1725)	1:21:A:GLY:HA3	1:26:A:LYS:HA	7	0.24
(1,1709)	1:5:A:LEU:HA	1:5:A:LEU:HD12	16	0.24
(1,1572)	1:71:B:ASP:HA	1:70:B:VAL:HG11	4	0.24
(1,1572)	1:71:B:ASP:HA	1:70:B:VAL:HG13	8	0.24
(1,1571)	1:71:A:ASP:HA	1:70:A:VAL:HG11	4	0.24
(1,1571)	1:71:A:ASP:HA	1:70:A:VAL:HG13	8	0.24
(1,1546)	1:43:B:PRO:HD2	1:7:A:LYS:HD2	14	0.24
(1,1522)	1:21:B:GLY:HA3	1:26:B:LYS:HG3	14	0.24
(1,1521)	1:21:A:GLY:HA3	1:26:A:LYS:HG3	14	0.24
(1,1520)	1:26:B:LYS:HB3	1:21:B:GLY:HA3	4	0.24
(1,1519)	1:26:A:LYS:HB3	1:21:A:GLY:HA3	4	0.24
(1,1486)	1:42:B:LEU:HB3	1:41:B:GLU:HB3	8	0.24
(1,1485)	1:42:A:LEU:HB3	1:41:A:GLU:HB3	8	0.24
(1,1368)	1:18:B:LYS:HE2	1:11:B:VAL:HG12	1	0.24
(1,1368)	1:18:B:LYS:HE2	1:11:B:VAL:HG11	18	0.24
(1,1367)	1:18:A:LYS:HE2	1:11:A:VAL:HG12	1	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1367)	1:18:A:LYS:HE2	1:11:A:VAL:HG11	18	0.24
(1,1344)	1:22:B:LYS:HE3	1:33:B:GLU:HG2	19	0.24
(1,1321)	1:56:A:GLN:HE21	1:31:A:LYS:HE3	17	0.24
(1,1314)	1:58:B:LEU:HB3	1:62:B:LEU:HD11	12	0.24
(1,1314)	1:58:B:LEU:HB3	1:62:B:LEU:HD12	18	0.24
(1,1313)	1:58:A:LEU:HB3	1:62:A:LEU:HD11	12	0.24
(1,1313)	1:58:A:LEU:HB3	1:62:A:LEU:HD12	18	0.24
(1,1278)	1:10:B:ASP:HB3	1:12:B:MET:H	12	0.24
(1,1278)	1:10:B:ASP:HB3	1:12:B:MET:H	20	0.24
(1,1277)	1:10:A:ASP:HB3	1:12:A:MET:H	20	0.24
(1,1268)	1:19:B:TYR:HB3	1:29:B:LEU:HD13	17	0.24
(1,1267)	1:19:A:TYR:HB3	1:29:A:LEU:HD13	17	0.24
(1,1265)	1:79:A:LEU:HB2	1:9:B:LEU:HD12	6	0.24
(1,1222)	1:16:B:PHE:HB2	1:15:B:THR:HA	14	0.24
(1,1221)	1:16:A:PHE:HB2	1:15:A:THR:HA	14	0.24
(1,1218)	1:57:B:LYS:HE3	1:54:B:ALA:H	9	0.24
(1,1217)	1:57:A:LYS:HE3	1:54:A:ALA:H	9	0.24
(1,1190)	1:28:B:LYS:HB2	1:26:B:LYS:HA	19	0.24
(1,1189)	1:28:A:LYS:HB2	1:26:A:LYS:HA	14	0.24
(1,1189)	1:28:A:LYS:HB2	1:26:A:LYS:HA	19	0.24
(1,1078)	1:52:B:GLU:HG3	1:53:B:ALA:HB3	20	0.24
(1,1072)	1:52:B:GLU:HB2	1:52:B:GLU:HG3	3	0.24
(1,1072)	1:52:B:GLU:HB2	1:52:B:GLU:HG3	5	0.24
(1,1072)	1:52:B:GLU:HB2	1:52:B:GLU:HG3	20	0.24
(1,1071)	1:52:A:GLU:HB2	1:52:A:GLU:HG3	3	0.24
(1,1071)	1:52:A:GLU:HB2	1:52:A:GLU:HG3	20	0.24
(1,1042)	1:52:B:GLU:HG3	1:53:B:ALA:H	17	0.24
(1,1041)	1:52:A:GLU:HG3	1:53:A:ALA:H	8	0.24
(1,1028)	1:41:B:GLU:HG3	1:37:B:LEU:HG	20	0.24
(1,1027)	1:41:A:GLU:HG3	1:37:A:LEU:HG	20	0.24
(1,998)	1:73:B:GLN:HG3	1:97:A:GLN:HE21	11	0.24
(1,906)	1:31:B:LYS:HB3	1:35:B:LYS:HE3	19	0.24
(1,822)	1:43:B:PRO:HB2	1:44:B:SER:HB2	1	0.24
(1,822)	1:43:B:PRO:HB2	1:44:B:SER:HB2	7	0.24
(1,821)	1:43:A:PRO:HB2	1:44:A:SER:HB2	7	0.24
(1,821)	1:43:A:PRO:HB2	1:44:A:SER:HB2	13	0.24
(1,748)	1:36:B:GLU:HB2	1:37:B:LEU:HD12	20	0.24
(1,747)	1:36:A:GLU:HB2	1:37:A:LEU:HD12	20	0.24
(1,728)	1:26:B:LYS:HD3	1:22:B:LYS:HA	10	0.24
(1,727)	1:26:A:LYS:HD3	1:22:A:LYS:HA	10	0.24
(1,684)	1:22:B:LYS:HD3	1:19:B:TYR:HA	16	0.24
(1,683)	1:22:A:LYS:HD3	1:19:A:TYR:HA	16	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,680)	1:88:B:GLU:HB2	1:97:B:GLN:HE21	1	0.24
(1,561)	1:9:A:LEU:HG	1:10:A:ASP:HB2	1	0.24
(1,561)	1:9:A:LEU:HG	1:10:A:ASP:HB2	14	0.24
(1,536)	1:38:B:LEU:HD23	1:82:B:ILE:HD11	10	0.24
(1,535)	1:38:A:LEU:HD23	1:82:A:ILE:HD11	10	0.24
(1,535)	1:38:A:LEU:HD22	1:82:A:ILE:HD13	18	0.24
(1,506)	1:42:B:LEU:HD13	1:45:B:PHE:HB3	5	0.24
(1,505)	1:42:A:LEU:HD13	1:45:A:PHE:HB3	5	0.24
(1,475)	1:28:A:LYS:HG2	1:25:A:ASP:HB2	1	0.24
(1,457)	1:58:A:LEU:HD22	1:62:A:LEU:HD12	6	0.24
(1,454)	1:5:B:LEU:HD21	1:9:B:LEU:HD23	7	0.24
(1,454)	1:5:B:LEU:HD22	1:9:B:LEU:HD22	14	0.24
(1,453)	1:5:A:LEU:HD21	1:9:A:LEU:HD23	7	0.24
(1,453)	1:5:A:LEU:HD22	1:9:A:LEU:HD22	14	0.24
(1,430)	1:5:B:LEU:HD21	1:9:A:LEU:HA	9	0.24
(1,429)	1:5:A:LEU:HD22	1:9:B:LEU:HA	4	0.24
(1,429)	1:5:A:LEU:HD21	1:9:B:LEU:HA	9	0.24
(1,412)	1:39:B:THR:HG23	1:46:B:LEU:HD23	5	0.24
(1,411)	1:39:A:THR:HG23	1:46:A:LEU:HD23	5	0.24
(1,410)	1:54:B:ALA:HB3	1:46:B:LEU:HD23	8	0.24
(1,409)	1:54:A:ALA:HB3	1:46:A:LEU:HD23	8	0.24
(1,392)	1:46:B:LEU:HD23	1:46:B:LEU:H	13	0.24
(1,391)	1:46:A:LEU:HD23	1:46:A:LEU:H	13	0.24
(1,338)	1:58:B:LEU:HD12	1:61:B:ASN:HB3	8	0.24
(1,338)	1:58:B:LEU:HD13	1:61:B:ASN:HB3	12	0.24
(1,338)	1:58:B:LEU:HD12	1:61:B:ASN:HB3	18	0.24
(1,337)	1:58:A:LEU:HD13	1:61:A:ASN:HB3	12	0.24
(1,337)	1:58:A:LEU:HD12	1:61:A:ASN:HB3	18	0.24
(1,314)	1:62:B:LEU:HD23	1:58:B:LEU:HD11	13	0.24
(1,312)	1:46:B:LEU:HD12	1:46:B:LEU:HD13	1	0.24
(1,312)	1:46:B:LEU:HD11	1:46:B:LEU:HD13	2	0.24
(1,312)	1:46:B:LEU:HD12	1:46:B:LEU:HD11	3	0.24
(1,312)	1:46:B:LEU:HD12	1:46:B:LEU:HD11	4	0.24
(1,312)	1:46:B:LEU:HD12	1:46:B:LEU:HD13	5	0.24
(1,312)	1:46:B:LEU:HD12	1:46:B:LEU:HD13	6	0.24
(1,312)	1:46:B:LEU:HD12	1:46:B:LEU:HD11	7	0.24
(1,312)	1:46:B:LEU:HD11	1:46:B:LEU:HD13	8	0.24
(1,312)	1:46:B:LEU:HD12	1:46:B:LEU:HD11	9	0.24
(1,312)	1:46:B:LEU:HD12	1:46:B:LEU:HD11	10	0.24
(1,312)	1:46:B:LEU:HD11	1:46:B:LEU:HD13	11	0.24
(1,312)	1:46:B:LEU:HD11	1:46:B:LEU:HD13	12	0.24
(1,312)	1:46:B:LEU:HD12	1:46:B:LEU:HD13	13	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,312)	1:46:B:LEU:HD11	1:46:B:LEU:HD13	14	0.24
(1,312)	1:46:B:LEU:HD12	1:46:B:LEU:HD11	15	0.24
(1,312)	1:46:B:LEU:HD12	1:46:B:LEU:HD11	16	0.24
(1,312)	1:46:B:LEU:HD11	1:46:B:LEU:HD13	18	0.24
(1,312)	1:46:B:LEU:HD12	1:46:B:LEU:HD11	19	0.24
(1,312)	1:46:B:LEU:HD12	1:46:B:LEU:HD13	20	0.24
(1,311)	1:46:A:LEU:HD12	1:46:A:LEU:HD13	1	0.24
(1,311)	1:46:A:LEU:HD11	1:46:A:LEU:HD13	2	0.24
(1,311)	1:46:A:LEU:HD12	1:46:A:LEU:HD11	3	0.24
(1,311)	1:46:A:LEU:HD12	1:46:A:LEU:HD11	4	0.24
(1,311)	1:46:A:LEU:HD12	1:46:A:LEU:HD13	5	0.24
(1,311)	1:46:A:LEU:HD12	1:46:A:LEU:HD13	6	0.24
(1,311)	1:46:A:LEU:HD12	1:46:A:LEU:HD11	7	0.24
(1,311)	1:46:A:LEU:HD11	1:46:A:LEU:HD13	8	0.24
(1,311)	1:46:A:LEU:HD12	1:46:A:LEU:HD11	9	0.24
(1,311)	1:46:A:LEU:HD12	1:46:A:LEU:HD11	10	0.24
(1,311)	1:46:A:LEU:HD11	1:46:A:LEU:HD13	11	0.24
(1,311)	1:46:A:LEU:HD11	1:46:A:LEU:HD13	12	0.24
(1,311)	1:46:A:LEU:HD12	1:46:A:LEU:HD13	13	0.24
(1,311)	1:46:A:LEU:HD11	1:46:A:LEU:HD13	14	0.24
(1,311)	1:46:A:LEU:HD12	1:46:A:LEU:HD11	15	0.24
(1,311)	1:46:A:LEU:HD12	1:46:A:LEU:HD11	16	0.24
(1,311)	1:46:A:LEU:HD11	1:46:A:LEU:HD13	17	0.24
(1,311)	1:46:A:LEU:HD11	1:46:A:LEU:HD13	18	0.24
(1,311)	1:46:A:LEU:HD12	1:46:A:LEU:HD11	19	0.24
(1,311)	1:46:A:LEU:HD12	1:46:A:LEU:HD13	20	0.24
(1,272)	1:39:B:THR:HG22	1:38:B:LEU:HD12	12	0.24
(1,271)	1:39:A:THR:HG22	1:38:A:LEU:HD12	12	0.24
(1,251)	1:5:A:LEU:HD12	1:11:B:VAL:HB	7	0.24
(1,224)	1:70:B:VAL:HG21	1:29:B:LEU:H	6	0.24
(1,224)	1:70:B:VAL:HG21	1:29:B:LEU:H	13	0.24
(1,223)	1:70:A:VAL:HG21	1:29:A:LEU:H	6	0.24
(1,223)	1:70:A:VAL:HG21	1:29:A:LEU:H	13	0.24
(1,206)	1:34:B:LEU:HD12	1:38:B:LEU:H	2	0.24
(1,206)	1:34:B:LEU:HD13	1:38:B:LEU:H	9	0.24
(1,205)	1:34:A:LEU:HD12	1:38:A:LEU:H	2	0.24
(1,205)	1:34:A:LEU:HD13	1:38:A:LEU:H	9	0.24
(1,172)	1:50:B:THR:HG21	1:48:B:LYS:HA	3	0.24
(1,144)	1:12:B:MET:H	1:11:B:VAL:HG13	8	0.24
(1,143)	1:12:A:MET:H	1:11:A:VAL:HG13	8	0.24
(1,136)	1:77:B:VAL:HG13	1:73:B:GLN:HG2	10	0.24
(1,135)	1:77:A:VAL:HG13	1:73:A:GLN:HG2	10	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,83)	1:8:A:ALA:HB3	1:10:A:ASP:HB3	15	0.24
(1,83)	1:8:A:ALA:HB3	1:10:A:ASP:HB3	16	0.24
(1,30)	1:82:B:ILE:H	1:82:B:ILE:HD11	1	0.24
(1,28)	1:83:B:ALA:H	1:82:B:ILE:HD11	9	0.24
(1,27)	1:83:A:ALA:H	1:82:A:ILE:HD11	9	0.24
(3,100)	1:10:B:ASP:H	1:6:B:GLU:O	11	0.23
(3,8)	1:10:A:ASP:H	1:6:A:GLU:O	11	0.23
(2,228)	1:9:B:LEU:H	1:5:B:LEU:HB2	4	0.23
(2,228)	1:9:B:LEU:H	1:5:B:LEU:HB2	11	0.23
(2,228)	1:9:B:LEU:H	1:5:B:LEU:HB2	12	0.23
(2,227)	1:9:A:LEU:H	1:5:A:LEU:HB2	4	0.23
(2,227)	1:9:A:LEU:H	1:5:A:LEU:HB2	12	0.23
(2,222)	1:5:B:LEU:H	1:41:A:GLU:HA	15	0.23
(2,221)	1:5:A:LEU:H	1:41:B:GLU:HA	11	0.23
(2,221)	1:5:A:LEU:H	1:41:B:GLU:HA	15	0.23
(2,195)	1:22:A:LYS:H	1:19:A:TYR:HB2	10	0.23
(2,130)	1:21:B:GLY:HA2	1:18:B:LYS:HA	3	0.23
(2,44)	1:98:B:PRO:HB3	1:97:B:GLN:HB2	9	0.23
(2,43)	1:98:A:PRO:HB3	1:97:A:GLN:HB2	9	0.23
(1,4608)	1:81:B:SER:H	1:76:B:SER:H	4	0.23
(1,4608)	1:81:B:SER:H	1:76:B:SER:H	16	0.23
(1,4607)	1:81:A:SER:H	1:76:A:SER:H	4	0.23
(1,4607)	1:81:A:SER:H	1:76:A:SER:H	16	0.23
(1,4604)	1:73:B:GLN:H	1:13:B:VAL:HG13	10	0.23
(1,4603)	1:73:A:GLN:H	1:13:A:VAL:HG13	10	0.23
(1,4598)	1:62:B:LEU:H	1:70:B:VAL:HG23	15	0.23
(1,4597)	1:62:A:LEU:H	1:70:A:VAL:HG23	15	0.23
(1,4596)	1:88:B:GLU:H	1:94:B:PRO:HG3	3	0.23
(1,4596)	1:88:B:GLU:H	1:94:B:PRO:HG3	4	0.23
(1,4595)	1:88:A:GLU:H	1:94:A:PRO:HG3	3	0.23
(1,4595)	1:88:A:GLU:H	1:94:A:PRO:HG3	4	0.23
(1,4590)	1:62:B:LEU:H	1:59:B:MET:H	5	0.23
(1,4577)	1:39:A:THR:H	1:36:A:GLU:HG3	6	0.23
(1,4537)	1:97:A:GLN:HE22	1:88:A:GLU:H	7	0.23
(1,4522)	1:80:B:SER:H	1:82:B:ILE:HG13	11	0.23
(1,4521)	1:80:A:SER:H	1:82:A:ILE:HG13	11	0.23
(1,4510)	1:32:B:SER:H	1:34:B:LEU:HD21	3	0.23
(1,4508)	1:32:B:SER:H	1:33:B:GLU:HB3	11	0.23
(1,4507)	1:32:A:SER:H	1:33:A:GLU:HB3	11	0.23
(1,4487)	1:17:A:HIS:H	1:26:A:LYS:HD2	17	0.23
(1,4474)	1:85:B:MET:H	1:83:B:ALA:HB1	16	0.23
(1,4473)	1:86:A:SER:H	1:83:A:ALA:HB3	16	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4428)	1:34:B:LEU:H	1:22:B:LYS:HE3	14	0.23
(1,4427)	1:34:A:LEU:H	1:22:A:LYS:HE3	14	0.23
(1,4424)	1:35:B:LYS:H	1:29:B:LEU:HD11	9	0.23
(1,4395)	1:72:A:PHE:H	1:77:A:VAL:H	3	0.23
(1,4390)	1:76:B:SER:H	1:79:B:LEU:HD12	13	0.23
(1,4389)	1:76:A:SER:H	1:79:A:LEU:HD12	13	0.23
(1,4386)	1:76:B:SER:H	1:77:B:VAL:HG21	15	0.23
(1,4385)	1:76:A:SER:H	1:77:A:VAL:HG21	15	0.23
(1,4383)	1:76:A:SER:H	1:83:B:ALA:HB2	3	0.23
(1,4336)	1:6:B:GLU:H	1:5:B:LEU:HG	1	0.23
(1,4335)	1:6:A:GLU:H	1:5:A:LEU:HG	1	0.23
(1,4296)	1:64:B:SER:H	1:63:B:ASP:H	1	0.23
(1,4296)	1:64:B:SER:H	1:63:B:ASP:H	10	0.23
(1,4295)	1:64:A:SER:H	1:63:A:ASP:H	1	0.23
(1,4295)	1:64:A:SER:H	1:63:A:ASP:H	10	0.23
(1,4252)	1:77:B:VAL:H	1:75:B:TYR:HB3	6	0.23
(1,4251)	1:77:A:VAL:H	1:75:A:TYR:HB3	6	0.23
(1,4228)	1:29:B:LEU:H	1:34:B:LEU:HA	8	0.23
(1,4152)	1:13:B:VAL:HG13	1:14:B:SER:HA	14	0.23
(1,4151)	1:13:A:VAL:HG13	1:14:A:SER:HA	14	0.23
(1,4142)	1:32:B:SER:HA	1:36:B:GLU:HG3	3	0.23
(1,4136)	1:20:B:SER:HB3	1:29:B:LEU:HB2	19	0.23
(1,4135)	1:20:A:SER:HB3	1:29:A:LEU:HB2	19	0.23
(1,4134)	1:70:B:VAL:HA	1:62:B:LEU:HB3	11	0.23
(1,4133)	1:70:A:VAL:HA	1:62:A:LEU:HB3	3	0.23
(1,4133)	1:70:A:VAL:HA	1:62:A:LEU:HB3	11	0.23
(1,4132)	1:20:B:SER:HB2	1:22:B:LYS:HG3	4	0.23
(1,4131)	1:20:A:SER:HB2	1:22:A:LYS:HG3	4	0.23
(1,4062)	1:10:B:ASP:HA	1:82:A:ILE:HB	4	0.23
(1,4050)	1:62:B:LEU:HA	1:61:B:ASN:HA	4	0.23
(1,4049)	1:62:A:LEU:HA	1:61:A:ASN:HA	4	0.23
(1,3964)	1:2:B:ALA:HA	1:15:A:THR:HA	16	0.23
(1,3957)	1:94:A:PRO:HD3	1:89:A:PHE:HA	18	0.23
(1,3946)	1:42:B:LEU:HB2	1:79:B:LEU:HD21	3	0.23
(1,3938)	1:42:B:LEU:HB3	1:6:A:GLU:HB3	1	0.23
(1,3937)	1:42:A:LEU:HB3	1:6:B:GLU:HB3	1	0.23
(1,3922)	1:49:B:ARG:HD3	1:50:B:THR:H	11	0.23
(1,3910)	1:62:B:LEU:HB2	1:61:B:ASN:HB3	15	0.23
(1,3909)	1:62:A:LEU:HB2	1:61:A:ASN:HB3	15	0.23
(1,3888)	1:7:B:LYS:HE2	1:11:B:VAL:HG23	7	0.23
(1,3887)	1:7:A:LYS:HE2	1:11:A:VAL:HG23	7	0.23
(1,3850)	1:9:B:LEU:HB3	1:79:A:LEU:HD11	19	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3849)	1:9:A:LEU:HB3	1:79:B:LEU:HD12	4	0.23
(1,3849)	1:9:A:LEU:HB3	1:79:B:LEU:HD11	19	0.23
(1,3848)	1:9:B:LEU:HB2	1:79:A:LEU:HD12	11	0.23
(1,3847)	1:9:A:LEU:HB2	1:79:B:LEU:HD12	7	0.23
(1,3847)	1:9:A:LEU:HB2	1:79:B:LEU:HD12	11	0.23
(1,3838)	1:34:B:LEU:HB2	1:38:B:LEU:HB2	10	0.23
(1,3837)	1:34:A:LEU:HB2	1:38:A:LEU:HB2	10	0.23
(1,3832)	1:9:B:LEU:HB2	1:12:B:MET:HB3	12	0.23
(1,3768)	1:84:B:MET:HB3	1:87:B:ASN:HB2	1	0.23
(1,3767)	1:84:A:MET:HB3	1:87:A:ASN:HB2	1	0.23
(1,3723)	1:69:A:GLU:HG2	1:29:A:LEU:HA	7	0.23
(1,3674)	1:59:B:MET:HG3	1:31:B:LYS:HB3	7	0.23
(1,3664)	1:85:B:MET:HG2	1:82:B:ILE:HG13	7	0.23
(1,3663)	1:85:A:MET:HG2	1:82:A:ILE:HG13	7	0.23
(1,3644)	1:31:B:LYS:HB3	1:35:B:LYS:HA	18	0.23
(1,3623)	1:43:A:PRO:HB3	1:47:A:GLY:HA3	8	0.23
(1,3584)	1:7:B:LYS:HD2	1:7:B:LYS:HB3	5	0.23
(1,3583)	1:7:A:LYS:HD2	1:7:A:LYS:HB3	5	0.23
(1,3577)	1:100:A:LYS:HD3	1:100:A:LYS:HE2	14	0.23
(1,3561)	1:56:A:GLN:HB3	1:53:A:ALA:HB3	9	0.23
(1,3554)	1:37:B:LEU:HD13	1:29:B:LEU:HA	11	0.23
(1,3554)	1:37:B:LEU:HD11	1:29:B:LEU:HA	17	0.23
(1,3553)	1:37:A:LEU:HD13	1:29:A:LEU:HA	11	0.23
(1,3553)	1:37:A:LEU:HD11	1:29:A:LEU:HA	17	0.23
(1,3534)	1:98:B:PRO:HG2	1:99:B:ARG:HB2	14	0.23
(1,3533)	1:98:A:PRO:HG2	1:99:A:ARG:HB2	14	0.23
(1,3502)	1:34:B:LEU:HD21	1:58:B:LEU:HB3	4	0.23
(1,3502)	1:34:B:LEU:HD21	1:58:B:LEU:HB3	7	0.23
(1,3502)	1:34:B:LEU:HD23	1:58:B:LEU:HB3	15	0.23
(1,3501)	1:34:A:LEU:HD21	1:58:A:LEU:HB3	7	0.23
(1,3501)	1:34:A:LEU:HD23	1:58:A:LEU:HB3	15	0.23
(1,3501)	1:34:A:LEU:HD23	1:58:A:LEU:HB3	19	0.23
(1,3482)	1:9:B:LEU:HD22	1:9:B:LEU:HD21	1	0.23
(1,3482)	1:58:B:LEU:HD21	1:58:B:LEU:HD23	2	0.23
(1,3482)	1:58:B:LEU:HD21	1:58:B:LEU:HD23	3	0.23
(1,3482)	1:58:B:LEU:HD22	1:58:B:LEU:HD23	4	0.23
(1,3482)	1:58:B:LEU:HD21	1:58:B:LEU:HD23	5	0.23
(1,3482)	1:58:B:LEU:HD22	1:58:B:LEU:HD21	6	0.23
(1,3482)	1:58:B:LEU:HD22	1:58:B:LEU:HD23	7	0.23
(1,3482)	1:58:B:LEU:HD21	1:58:B:LEU:HD23	8	0.23
(1,3482)	1:9:B:LEU:HD22	1:9:B:LEU:HD23	9	0.23
(1,3482)	1:58:B:LEU:HD21	1:58:B:LEU:HD23	10	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3482)	1:58:B:LEU:HD22	1:58:B:LEU:HD21	11	0.23
(1,3482)	1:9:B:LEU:HD22	1:9:B:LEU:HD23	12	0.23
(1,3482)	1:58:B:LEU:HD22	1:58:B:LEU:HD23	13	0.23
(1,3482)	1:9:B:LEU:HD22	1:9:B:LEU:HD23	14	0.23
(1,3482)	1:58:B:LEU:HD21	1:58:B:LEU:HD23	15	0.23
(1,3482)	1:58:B:LEU:HD21	1:58:B:LEU:HD23	16	0.23
(1,3482)	1:9:B:LEU:HD21	1:9:B:LEU:HD23	17	0.23
(1,3482)	1:58:B:LEU:HD22	1:58:B:LEU:HD23	18	0.23
(1,3482)	1:58:B:LEU:HD21	1:58:B:LEU:HD23	19	0.23
(1,3482)	1:58:B:LEU:HD22	1:58:B:LEU:HD23	20	0.23
(1,3481)	1:58:A:LEU:HD21	1:58:A:LEU:HD23	1	0.23
(1,3481)	1:58:A:LEU:HD21	1:58:A:LEU:HD23	2	0.23
(1,3481)	1:58:A:LEU:HD21	1:58:A:LEU:HD23	3	0.23
(1,3481)	1:58:A:LEU:HD21	1:58:A:LEU:HD23	4	0.23
(1,3481)	1:58:A:LEU:HD22	1:58:A:LEU:HD23	5	0.23
(1,3481)	1:58:A:LEU:HD22	1:58:A:LEU:HD23	6	0.23
(1,3481)	1:58:A:LEU:HD22	1:58:A:LEU:HD23	7	0.23
(1,3481)	1:9:A:LEU:HD21	1:9:A:LEU:HD23	8	0.23
(1,3481)	1:58:A:LEU:HD21	1:58:A:LEU:HD23	9	0.23
(1,3481)	1:58:A:LEU:HD21	1:58:A:LEU:HD23	10	0.23
(1,3481)	1:58:A:LEU:HD22	1:58:A:LEU:HD23	11	0.23
(1,3481)	1:58:A:LEU:HD22	1:58:A:LEU:HD21	12	0.23
(1,3481)	1:58:A:LEU:HD22	1:58:A:LEU:HD23	13	0.23
(1,3481)	1:58:A:LEU:HD22	1:58:A:LEU:HD21	14	0.23
(1,3481)	1:58:A:LEU:HD22	1:58:A:LEU:HD23	15	0.23
(1,3481)	1:58:A:LEU:HD21	1:58:A:LEU:HD23	16	0.23
(1,3481)	1:58:A:LEU:HD21	1:58:A:LEU:HD23	17	0.23
(1,3481)	1:58:A:LEU:HD22	1:58:A:LEU:HD21	18	0.23
(1,3481)	1:58:A:LEU:HD21	1:58:A:LEU:HD23	19	0.23
(1,3481)	1:58:A:LEU:HD21	1:58:A:LEU:HD23	20	0.23
(1,3462)	1:29:B:LEU:HD11	1:69:B:GLU:HA	5	0.23
(1,3444)	1:26:B:LYS:HG3	1:20:B:SER:H	18	0.23
(1,3394)	1:77:B:VAL:HG23	1:74:B:GLU:HA	18	0.23
(1,3393)	1:77:A:VAL:HG23	1:74:A:GLU:HA	18	0.23
(1,3308)	1:31:B:LYS:HB3	1:31:B:LYS:HA	19	0.23
(1,3304)	1:9:B:LEU:HD12	1:15:A:THR:HB	14	0.23
(1,3304)	1:9:B:LEU:HD12	1:15:A:THR:HB	15	0.23
(1,3303)	1:9:A:LEU:HD12	1:15:B:THR:HB	15	0.23
(1,3238)	1:99:B:ARG:H	1:99:B:ARG:HB2	8	0.23
(1,3237)	1:99:A:ARG:H	1:99:A:ARG:HB2	8	0.23
(1,3188)	1:39:B:THR:H	1:46:B:LEU:HD12	12	0.23
(1,3188)	1:39:B:THR:H	1:46:B:LEU:HD12	14	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3188)	1:39:B:THR:H	1:46:B:LEU:HD12	18	0.23
(1,3187)	1:39:A:THR:H	1:46:A:LEU:HD12	12	0.23
(1,3187)	1:39:A:THR:H	1:46:A:LEU:HD12	14	0.23
(1,3187)	1:39:A:THR:H	1:46:A:LEU:HD12	18	0.23
(1,3128)	1:73:B:GLN:HE22	1:77:B:VAL:HB	19	0.23
(1,3127)	1:73:A:GLN:HE22	1:77:A:VAL:HB	14	0.23
(1,3068)	1:60:B:SER:H	1:59:B:MET:HG2	19	0.23
(1,3067)	1:60:A:SER:H	1:59:A:MET:HG2	19	0.23
(1,2820)	1:40:B:ARG:H	1:46:B:LEU:HD13	3	0.23
(1,2819)	1:40:A:ARG:H	1:46:A:LEU:HD13	3	0.23
(1,2785)	1:89:A:PHE:H	1:13:B:VAL:HG13	13	0.23
(1,2752)	1:34:B:LEU:H	1:29:B:LEU:HD12	3	0.23
(1,2752)	1:34:B:LEU:H	1:29:B:LEU:HD11	9	0.23
(1,2752)	1:34:B:LEU:H	1:29:B:LEU:HD11	15	0.23
(1,2751)	1:34:A:LEU:H	1:29:A:LEU:HD12	3	0.23
(1,2751)	1:34:A:LEU:H	1:29:A:LEU:HD11	9	0.23
(1,2751)	1:34:A:LEU:H	1:29:A:LEU:HD11	15	0.23
(1,2736)	1:46:B:LEU:H	1:82:B:ILE:HD13	2	0.23
(1,2736)	1:46:B:LEU:H	1:82:B:ILE:HD12	16	0.23
(1,2735)	1:46:A:LEU:H	1:82:A:ILE:HD13	2	0.23
(1,2735)	1:46:A:LEU:H	1:82:A:ILE:HD12	13	0.23
(1,2735)	1:46:A:LEU:H	1:82:A:ILE:HD12	16	0.23
(1,2679)	1:7:A:LYS:H	1:7:A:LYS:HG3	19	0.23
(1,2545)	1:93:A:PHE:H	1:96:A:LYS:HE2	4	0.23
(1,2544)	1:93:B:PHE:H	1:92:B:GLY:HA3	6	0.23
(1,2543)	1:93:A:PHE:H	1:92:A:GLY:HA3	6	0.23
(1,2508)	1:42:B:LEU:H	1:41:B:GLU:HB3	13	0.23
(1,2507)	1:42:A:LEU:H	1:41:A:GLU:HB3	13	0.23
(1,2324)	1:78:B:PHE:H	1:82:B:ILE:HD12	1	0.23
(1,2324)	1:78:B:PHE:H	1:82:B:ILE:HD13	14	0.23
(1,2323)	1:78:A:PHE:H	1:82:A:ILE:HD12	1	0.23
(1,2323)	1:78:A:PHE:H	1:82:A:ILE:HD13	14	0.23
(1,2286)	1:3:B:SER:H	1:40:A:ARG:HA	19	0.23
(1,2285)	1:3:A:SER:H	1:40:B:ARG:HA	9	0.23
(1,2220)	1:100:B:LYS:H	1:97:B:GLN:HG3	17	0.23
(1,2219)	1:100:A:LYS:H	1:97:A:GLN:HG3	17	0.23
(1,2209)	1:30:A:ASN:H	1:33:A:GLU:HB3	13	0.23
(1,2209)	1:30:A:ASN:H	1:33:A:GLU:HB3	16	0.23
(1,2162)	1:70:B:VAL:H	1:31:B:LYS:HA	11	0.23
(1,2161)	1:70:A:VAL:H	1:31:A:LYS:HA	11	0.23
(1,2092)	1:26:B:LYS:H	1:21:B:GLY:HA3	8	0.23
(1,2076)	1:50:B:THR:HB	1:35:B:LYS:HE2	12	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2075)	1:50:A:THR:HB	1:35:A:LYS:HE2	12	0.23
(1,2070)	1:13:B:VAL:HA	1:83:A:ALA:HB1	19	0.23
(1,2069)	1:13:A:VAL:HA	1:83:B:ALA:HB1	19	0.23
(1,2038)	1:43:B:PRO:HA	1:39:B:THR:HG21	1	0.23
(1,2037)	1:43:A:PRO:HA	1:39:A:THR:HG21	1	0.23
(1,2012)	1:94:B:PRO:HA	1:95:B:ASP:HB2	6	0.23
(1,2004)	1:98:B:PRO:HA	1:101:B:LYS:HG3	5	0.23
(1,1994)	1:60:B:SER:HB2	1:61:B:ASN:HB3	15	0.23
(1,1938)	1:50:B:THR:HA	1:54:B:ALA:HB2	10	0.23
(1,1931)	1:32:A:SER:HA	1:31:A:LYS:HD3	20	0.23
(1,1844)	1:37:B:LEU:HA	1:29:B:LEU:HD12	6	0.23
(1,1843)	1:37:A:LEU:HA	1:29:A:LEU:HD12	6	0.23
(1,1822)	1:7:B:LYS:HA	1:7:B:LYS:HD3	12	0.23
(1,1821)	1:7:A:LYS:HA	1:7:A:LYS:HD3	12	0.23
(1,1710)	1:5:B:LEU:HA	1:5:B:LEU:HD12	14	0.23
(1,1710)	1:5:B:LEU:HA	1:5:B:LEU:HD12	16	0.23
(1,1709)	1:5:A:LEU:HA	1:5:A:LEU:HD12	14	0.23
(1,1572)	1:71:B:ASP:HA	1:70:B:VAL:HG13	10	0.23
(1,1572)	1:71:B:ASP:HA	1:70:B:VAL:HG12	17	0.23
(1,1572)	1:71:B:ASP:HA	1:70:B:VAL:HG13	20	0.23
(1,1571)	1:71:A:ASP:HA	1:70:A:VAL:HG13	10	0.23
(1,1571)	1:71:A:ASP:HA	1:70:A:VAL:HG12	17	0.23
(1,1492)	1:42:B:LEU:HB3	1:37:B:LEU:HD23	16	0.23
(1,1491)	1:42:A:LEU:HB3	1:37:A:LEU:HD23	16	0.23
(1,1451)	1:29:A:LEU:HB2	1:37:A:LEU:HB3	16	0.23
(1,1343)	1:22:A:LYS:HE3	1:33:A:GLU:HG2	19	0.23
(1,1314)	1:58:B:LEU:HB3	1:62:B:LEU:HD13	17	0.23
(1,1313)	1:58:A:LEU:HB3	1:62:A:LEU:HD13	17	0.23
(1,1278)	1:10:B:ASP:HB3	1:12:B:MET:H	5	0.23
(1,1278)	1:10:B:ASP:HB3	1:12:B:MET:H	13	0.23
(1,1277)	1:10:A:ASP:HB3	1:12:A:MET:H	5	0.23
(1,1277)	1:10:A:ASP:HB3	1:12:A:MET:H	12	0.23
(1,1277)	1:10:A:ASP:HB3	1:12:A:MET:H	13	0.23
(1,1227)	1:57:A:LYS:HE3	1:56:A:GLN:HA	9	0.23
(1,1218)	1:57:B:LYS:HE3	1:54:B:ALA:H	3	0.23
(1,1218)	1:57:B:LYS:HE3	1:54:B:ALA:H	11	0.23
(1,1218)	1:57:B:LYS:HE2	1:54:B:ALA:H	16	0.23
(1,1217)	1:57:A:LYS:HE3	1:54:A:ALA:H	3	0.23
(1,1217)	1:57:A:LYS:HE3	1:54:A:ALA:H	11	0.23
(1,1217)	1:57:A:LYS:HE2	1:54:A:ALA:H	16	0.23
(1,1198)	1:87:B:ASN:HB2	1:76:A:SER:HB2	18	0.23
(1,1197)	1:87:A:ASN:HB2	1:76:B:SER:HB2	18	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1190)	1:28:B:LYS:HB2	1:26:B:LYS:HA	3	0.23
(1,1189)	1:28:A:LYS:HB2	1:26:A:LYS:HA	3	0.23
(1,1077)	1:52:A:GLU:HG3	1:53:A:ALA:HB2	8	0.23
(1,1072)	1:52:B:GLU:HB2	1:52:B:GLU:HG3	7	0.23
(1,1071)	1:52:A:GLU:HB2	1:52:A:GLU:HG3	7	0.23
(1,1054)	1:52:B:GLU:HG3	1:51:B:ASP:H	4	0.23
(1,1053)	1:52:A:GLU:HG3	1:51:A:ASP:H	4	0.23
(1,1041)	1:52:A:GLU:HG3	1:53:A:ALA:H	17	0.23
(1,997)	1:73:A:GLN:HG3	1:97:B:GLN:HE21	11	0.23
(1,892)	1:31:B:LYS:HB2	1:30:B:ASN:HA	10	0.23
(1,891)	1:31:A:LYS:HB2	1:30:A:ASN:HA	10	0.23
(1,822)	1:43:B:PRO:HB2	1:44:B:SER:HB2	13	0.23
(1,801)	1:41:A:GLU:HB2	1:5:B:LEU:HD23	15	0.23
(1,727)	1:26:A:LYS:HD3	1:22:A:LYS:HA	3	0.23
(1,679)	1:88:A:GLU:HB2	1:97:A:GLN:HE21	1	0.23
(1,632)	1:40:B:ARG:HG2	1:41:B:GLU:H	18	0.23
(1,631)	1:40:A:ARG:HG2	1:41:A:GLU:H	18	0.23
(1,562)	1:9:B:LEU:HG	1:10:B:ASP:HB2	1	0.23
(1,562)	1:9:B:LEU:HG	1:10:B:ASP:HB2	12	0.23
(1,561)	1:9:A:LEU:HG	1:10:A:ASP:HB2	12	0.23
(1,545)	1:99:A:ARG:HG2	1:94:A:PRO:HA	14	0.23
(1,536)	1:38:B:LEU:HD22	1:82:B:ILE:HD13	18	0.23
(1,531)	1:38:A:LEU:HD23	1:79:A:LEU:HD22	6	0.23
(1,476)	1:28:B:LYS:HG2	1:25:B:ASP:HB2	1	0.23
(1,430)	1:5:B:LEU:HD21	1:9:A:LEU:HA	2	0.23
(1,430)	1:5:B:LEU:HD23	1:9:A:LEU:HA	10	0.23
(1,430)	1:5:B:LEU:HD21	1:9:A:LEU:HA	16	0.23
(1,430)	1:5:B:LEU:HD22	1:9:A:LEU:HA	18	0.23
(1,429)	1:5:A:LEU:HD21	1:9:B:LEU:HA	2	0.23
(1,429)	1:5:A:LEU:HD23	1:9:B:LEU:HA	3	0.23
(1,429)	1:5:A:LEU:HD23	1:9:B:LEU:HA	10	0.23
(1,408)	1:46:B:LEU:HD23	1:46:B:LEU:HB3	7	0.23
(1,407)	1:46:A:LEU:HD23	1:46:A:LEU:HB3	7	0.23
(1,392)	1:46:B:LEU:HD22	1:46:B:LEU:H	3	0.23
(1,391)	1:46:A:LEU:HD22	1:46:A:LEU:H	3	0.23
(1,368)	1:57:B:LYS:HG3	1:57:B:LYS:H	19	0.23
(1,367)	1:57:A:LYS:HG3	1:57:A:LYS:H	19	0.23
(1,366)	1:96:B:LYS:HG3	1:91:B:GLU:H	17	0.23
(1,365)	1:96:A:LYS:HG3	1:91:A:GLU:H	17	0.23
(1,338)	1:58:B:LEU:HD11	1:61:B:ASN:HB3	1	0.23
(1,337)	1:58:A:LEU:HD11	1:61:A:ASN:HB3	1	0.23
(1,337)	1:58:A:LEU:HD12	1:61:A:ASN:HB3	8	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,313)	1:62:A:LEU:HD23	1:58:A:LEU:HD11	13	0.23
(1,312)	1:46:B:LEU:HD12	1:46:B:LEU:HD11	17	0.23
(1,268)	1:9:B:LEU:HD11	1:12:A:MET:HB2	1	0.23
(1,204)	1:76:B:SER:H	1:77:B:VAL:HG22	4	0.23
(1,203)	1:76:A:SER:H	1:77:A:VAL:HG22	4	0.23
(1,144)	1:12:B:MET:H	1:11:B:VAL:HG11	4	0.23
(1,143)	1:12:A:MET:H	1:11:A:VAL:HG11	4	0.23
(1,114)	1:2:B:ALA:HB2	1:6:B:GLU:HA	2	0.23
(1,113)	1:2:A:ALA:HB2	1:6:A:GLU:HA	2	0.23
(1,84)	1:8:B:ALA:HB3	1:10:B:ASP:HB3	15	0.23
(1,84)	1:8:B:ALA:HB3	1:10:B:ASP:HB3	16	0.23
(1,58)	1:82:B:ILE:HG23	1:85:B:MET:HG3	18	0.23
(1,57)	1:82:A:ILE:HG23	1:85:A:MET:HG3	18	0.23
(1,30)	1:82:B:ILE:H	1:82:B:ILE:HD13	17	0.23
(1,29)	1:82:A:ILE:H	1:82:A:ILE:HD13	17	0.23
(3,100)	1:10:B:ASP:H	1:6:B:GLU:O	15	0.22
(3,8)	1:10:A:ASP:H	1:6:A:GLU:O	15	0.22
(2,228)	1:9:B:LEU:H	1:5:B:LEU:HB2	2	0.22
(2,228)	1:9:B:LEU:H	1:5:B:LEU:HB2	5	0.22
(2,228)	1:9:B:LEU:H	1:5:B:LEU:HB2	15	0.22
(2,227)	1:9:A:LEU:H	1:5:A:LEU:HB2	2	0.22
(2,227)	1:9:A:LEU:H	1:5:A:LEU:HB2	5	0.22
(2,227)	1:9:A:LEU:H	1:5:A:LEU:HB2	11	0.22
(2,227)	1:9:A:LEU:H	1:5:A:LEU:HB2	15	0.22
(2,222)	1:5:B:LEU:H	1:41:A:GLU:HA	1	0.22
(2,221)	1:5:A:LEU:H	1:41:B:GLU:HA	1	0.22
(2,218)	1:75:B:TYR:H	1:79:B:LEU:H	1	0.22
(2,217)	1:75:A:TYR:H	1:79:A:LEU:H	1	0.22
(2,196)	1:22:B:LYS:H	1:19:B:TYR:HB2	10	0.22
(2,196)	1:22:B:LYS:H	1:19:B:TYR:HB2	12	0.22
(2,194)	1:22:B:LYS:H	1:30:B:ASN:HD21	18	0.22
(2,193)	1:22:A:LYS:H	1:30:A:ASN:HD21	18	0.22
(2,152)	1:14:B:SER:HA	1:16:B:PHE:HA	16	0.22
(2,151)	1:14:A:SER:HA	1:16:A:PHE:HA	16	0.22
(2,130)	1:21:B:GLY:HA2	1:18:B:LYS:HA	13	0.22
(2,129)	1:21:A:GLY:HA2	1:18:A:LYS:HA	13	0.22
(2,90)	1:61:B:ASN:HA	1:66:B:ARG:HD2	16	0.22
(2,89)	1:61:A:ASN:HA	1:66:A:ARG:HD2	16	0.22
(2,50)	1:69:B:GLU:HB2	1:30:B:ASN:HB2	5	0.22
(2,49)	1:69:A:GLU:HB2	1:30:A:ASN:HB2	5	0.22
(2,32)	1:17:B:HIS:HB2	1:21:B:GLY:HA3	15	0.22
(2,31)	1:17:A:HIS:HB2	1:21:A:GLY:HA3	15	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,20)	1:5:B:LEU:HG	1:6:B:GLU:HB2	10	0.22
(2,19)	1:5:A:LEU:HG	1:6:A:GLU:HB2	10	0.22
(2,12)	1:7:B:LYS:HG3	1:5:B:LEU:H	18	0.22
(2,11)	1:7:A:LYS:HG3	1:5:A:LEU:H	18	0.22
(1,4618)	1:97:B:GLN:HE22	1:88:B:GLU:HB2	2	0.22
(1,4617)	1:97:A:GLN:HE22	1:88:A:GLU:HB2	2	0.22
(1,4597)	1:62:A:LEU:H	1:70:A:VAL:HG22	5	0.22
(1,4590)	1:62:B:LEU:H	1:59:B:MET:H	8	0.22
(1,4590)	1:62:B:LEU:H	1:59:B:MET:H	20	0.22
(1,4589)	1:62:A:LEU:H	1:59:A:MET:H	8	0.22
(1,4589)	1:62:A:LEU:H	1:59:A:MET:H	20	0.22
(1,4507)	1:32:A:SER:H	1:23:A:GLU:HG3	14	0.22
(1,4488)	1:17:B:HIS:H	1:26:B:LYS:HD2	17	0.22
(1,4460)	1:68:B:ASN:H	1:70:B:VAL:HG23	1	0.22
(1,4459)	1:68:A:ASN:H	1:70:A:VAL:HG23	1	0.22
(1,4424)	1:35:B:LYS:H	1:29:B:LEU:HD12	6	0.22
(1,4423)	1:35:A:LYS:H	1:29:A:LEU:HD12	6	0.22
(1,4423)	1:35:A:LYS:H	1:29:A:LEU:HD11	9	0.22
(1,4418)	1:35:B:LYS:H	1:36:B:GLU:HG3	12	0.22
(1,4418)	1:35:B:LYS:H	1:36:B:GLU:HG3	20	0.22
(1,4417)	1:35:A:LYS:H	1:36:A:GLU:HG3	20	0.22
(1,4408)	1:61:B:ASN:H	1:62:B:LEU:HG	13	0.22
(1,4407)	1:61:A:ASN:H	1:62:A:LEU:HG	13	0.22
(1,4396)	1:72:B:PHE:H	1:77:B:VAL:H	3	0.22
(1,4396)	1:72:B:PHE:H	1:77:B:VAL:H	15	0.22
(1,4395)	1:72:A:PHE:H	1:77:A:VAL:H	15	0.22
(1,4390)	1:76:B:SER:H	1:79:B:LEU:HD11	12	0.22
(1,4389)	1:76:A:SER:H	1:79:A:LEU:HD11	12	0.22
(1,4386)	1:76:B:SER:H	1:77:B:VAL:HG21	12	0.22
(1,4385)	1:76:A:SER:H	1:77:A:VAL:HG21	12	0.22
(1,4310)	1:22:B:LYS:H	1:17:B:HIS:HA	6	0.22
(1,4309)	1:22:A:LYS:H	1:17:A:HIS:HA	6	0.22
(1,4288)	1:45:B:PHE:H	1:82:B:ILE:HG22	20	0.22
(1,4287)	1:45:A:PHE:H	1:82:A:ILE:HG22	20	0.22
(1,4254)	1:77:B:VAL:H	1:62:B:LEU:HB3	10	0.22
(1,4253)	1:77:A:VAL:H	1:62:A:LEU:HB3	10	0.22
(1,4216)	1:71:B:ASP:H	1:73:B:GLN:HE21	5	0.22
(1,4215)	1:71:A:ASP:H	1:73:A:GLN:HE21	5	0.22
(1,4152)	1:55:B:PHE:HA	1:58:B:LEU:HD23	7	0.22
(1,4151)	1:55:A:PHE:HA	1:58:A:LEU:HD23	7	0.22
(1,4148)	1:16:B:PHE:HA	1:20:B:SER:HB3	19	0.22
(1,4147)	1:16:A:PHE:HA	1:20:A:SER:HB3	19	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4142)	1:32:B:SER:HA	1:36:B:GLU:HG3	1	0.22
(1,4142)	1:32:B:SER:HA	1:36:B:GLU:HG3	15	0.22
(1,4141)	1:32:A:SER:HA	1:36:A:GLU:HG3	3	0.22
(1,4134)	1:70:B:VAL:HA	1:62:B:LEU:HB3	7	0.22
(1,4132)	1:20:B:SER:HB2	1:22:B:LYS:HG3	3	0.22
(1,4131)	1:20:A:SER:HB2	1:22:A:LYS:HG3	3	0.22
(1,4118)	1:64:B:SER:HA	1:60:B:SER:HB2	17	0.22
(1,4117)	1:64:A:SER:HA	1:60:A:SER:HB2	17	0.22
(1,4050)	1:62:B:LEU:HA	1:61:B:ASN:HA	1	0.22
(1,4049)	1:62:A:LEU:HA	1:61:A:ASN:HA	1	0.22
(1,4042)	1:99:B:ARG:HA	1:98:B:PRO:HB3	10	0.22
(1,4041)	1:99:A:ARG:HA	1:98:A:PRO:HB3	10	0.22
(1,4005)	1:61:A:ASN:HA	1:57:A:LYS:HA	10	0.22
(1,4001)	1:69:A:GLU:HA	1:33:A:GLU:HB2	11	0.22
(1,3994)	1:42:B:LEU:HA	1:45:B:PHE:HA	3	0.22
(1,3993)	1:42:A:LEU:HA	1:45:A:PHE:HA	3	0.22
(1,3965)	1:2:A:ALA:HA	1:6:A:GLU:HA	14	0.22
(1,3963)	1:2:A:ALA:HA	1:15:B:THR:HA	16	0.22
(1,3958)	1:94:B:PRO:HD3	1:89:B:PHE:HA	1	0.22
(1,3958)	1:94:B:PRO:HD3	1:89:B:PHE:HA	18	0.22
(1,3957)	1:94:A:PRO:HD3	1:89:A:PHE:HA	1	0.22
(1,3946)	1:42:B:LEU:HB2	1:79:B:LEU:HD21	12	0.22
(1,3946)	1:42:B:LEU:HB2	1:79:B:LEU:HD21	19	0.22
(1,3945)	1:42:A:LEU:HB2	1:79:A:LEU:HD21	12	0.22
(1,3945)	1:42:A:LEU:HB2	1:79:A:LEU:HD21	19	0.22
(1,3920)	1:40:B:ARG:HD3	1:19:B:TYR:HB3	2	0.22
(1,3919)	1:40:A:ARG:HD3	1:19:A:TYR:HB3	2	0.22
(1,3888)	1:31:B:LYS:HE2	1:35:B:LYS:HD2	15	0.22
(1,3887)	1:31:A:LYS:HE2	1:35:A:LYS:HD2	15	0.22
(1,3869)	1:51:A:ASP:HB3	1:49:A:ARG:HD2	8	0.22
(1,3850)	1:9:B:LEU:HB3	1:79:A:LEU:HD11	17	0.22
(1,3849)	1:9:A:LEU:HB3	1:79:B:LEU:HD11	17	0.22
(1,3848)	1:9:B:LEU:HB2	1:79:A:LEU:HD13	8	0.22
(1,3847)	1:9:A:LEU:HB2	1:79:B:LEU:HD13	8	0.22
(1,3831)	1:9:A:LEU:HB2	1:12:A:MET:HB3	12	0.22
(1,3814)	1:28:B:LYS:HB3	1:70:B:VAL:HG21	13	0.22
(1,3813)	1:28:A:LYS:HB3	1:70:A:VAL:HG21	13	0.22
(1,3724)	1:69:B:GLU:HG2	1:29:B:LEU:HA	7	0.22
(1,3686)	1:97:B:GLN:HG3	1:98:B:PRO:HD2	14	0.22
(1,3686)	1:97:B:GLN:HG3	1:98:B:PRO:HD2	15	0.22
(1,3685)	1:97:A:GLN:HG3	1:98:A:PRO:HD2	14	0.22
(1,3673)	1:59:A:MET:HG3	1:31:A:LYS:HB3	7	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3643)	1:31:A:LYS:HB3	1:35:A:LYS:HA	18	0.22
(1,3636)	1:33:B:GLU:HB3	1:34:B:LEU:HB2	18	0.22
(1,3635)	1:33:A:GLU:HB3	1:34:A:LEU:HB2	18	0.22
(1,3624)	1:43:B:PRO:HB3	1:47:B:GLY:HA3	8	0.22
(1,3605)	1:28:A:LYS:HD3	1:67:A:ASP:HB2	10	0.22
(1,3584)	1:7:B:LYS:HD3	1:7:B:LYS:HB3	11	0.22
(1,3583)	1:7:A:LYS:HD3	1:7:A:LYS:HB3	11	0.22
(1,3578)	1:7:B:LYS:HD3	1:7:B:LYS:HE2	5	0.22
(1,3578)	1:100:B:LYS:HD3	1:100:B:LYS:HE2	14	0.22
(1,3577)	1:7:A:LYS:HD3	1:7:A:LYS:HE2	5	0.22
(1,3562)	1:56:B:GLN:HB3	1:53:B:ALA:HB3	9	0.22
(1,3554)	1:37:B:LEU:HD12	1:29:B:LEU:HA	8	0.22
(1,3553)	1:37:A:LEU:HD12	1:29:A:LEU:HA	8	0.22
(1,3502)	1:34:B:LEU:HD23	1:58:B:LEU:HB3	14	0.22
(1,3502)	1:34:B:LEU:HD23	1:58:B:LEU:HB3	19	0.22
(1,3501)	1:34:A:LEU:HD21	1:58:A:LEU:HB3	4	0.22
(1,3501)	1:34:A:LEU:HD23	1:58:A:LEU:HB3	14	0.22
(1,3444)	1:18:B:LYS:HG3	1:20:B:SER:H	17	0.22
(1,3443)	1:18:A:LYS:HG3	1:20:A:SER:H	17	0.22
(1,3366)	1:39:B:THR:HG22	1:38:B:LEU:HD12	10	0.22
(1,3365)	1:39:A:THR:HG22	1:38:A:LEU:HD12	10	0.22
(1,3322)	1:54:B:ALA:HB2	1:46:B:LEU:HD22	11	0.22
(1,3321)	1:54:A:ALA:HB2	1:46:A:LEU:HD22	11	0.22
(1,3306)	1:39:B:THR:HB	1:46:B:LEU:HD13	9	0.22
(1,3305)	1:39:A:THR:HB	1:46:A:LEU:HD13	9	0.22
(1,3303)	1:9:A:LEU:HD12	1:15:B:THR:HB	14	0.22
(1,3288)	1:87:B:ASN:HD21	1:90:B:PHE:H	5	0.22
(1,3287)	1:87:A:ASN:HD21	1:90:A:PHE:H	5	0.22
(1,3172)	1:30:B:ASN:HD22	1:22:B:LYS:HE3	18	0.22
(1,3171)	1:30:A:ASN:HD22	1:22:A:LYS:HE3	18	0.22
(1,3127)	1:73:A:GLN:HE22	1:77:A:VAL:HB	6	0.22
(1,3127)	1:73:A:GLN:HE22	1:77:A:VAL:HB	19	0.22
(1,3084)	1:65:B:ASN:HD22	1:67:B:ASP:HB2	19	0.22
(1,3083)	1:65:A:ASN:HD22	1:67:A:ASP:HB2	19	0.22
(1,2736)	1:46:B:LEU:H	1:82:B:ILE:HD12	17	0.22
(1,2735)	1:46:A:LEU:H	1:82:A:ILE:HD12	17	0.22
(1,2692)	1:72:B:PHE:H	1:28:B:LYS:HG3	16	0.22
(1,2692)	1:72:B:PHE:H	1:28:B:LYS:HG3	19	0.22
(1,2691)	1:72:A:PHE:H	1:28:A:LYS:HG3	16	0.22
(1,2691)	1:72:A:PHE:H	1:28:A:LYS:HG3	19	0.22
(1,2680)	1:7:B:LYS:H	1:7:B:LYS:HG3	15	0.22
(1,2679)	1:7:A:LYS:H	1:7:A:LYS:HG3	9	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2679)	1:7:A:LYS:H	1:7:A:LYS:HG3	15	0.22
(1,2556)	1:27:B:PHE:H	1:21:B:GLY:HA3	5	0.22
(1,2555)	1:27:A:PHE:H	1:21:A:GLY:HA3	5	0.22
(1,2546)	1:93:B:PHE:H	1:96:B:LYS:HE2	4	0.22
(1,2307)	1:45:A:PHE:H	1:82:A:ILE:HD11	8	0.22
(1,2304)	1:45:B:PHE:H	1:7:A:LYS:HD2	17	0.22
(1,2288)	1:3:B:SER:H	1:6:B:GLU:HA	8	0.22
(1,2287)	1:3:A:SER:H	1:6:A:GLU:HA	8	0.22
(1,2286)	1:3:B:SER:H	1:40:A:ARG:HA	9	0.22
(1,2285)	1:3:A:SER:H	1:40:B:ARG:HA	6	0.22
(1,2285)	1:3:A:SER:H	1:40:B:ARG:HA	17	0.22
(1,2285)	1:3:A:SER:H	1:40:B:ARG:HA	19	0.22
(1,2214)	1:30:B:ASN:H	1:34:B:LEU:HD11	15	0.22
(1,2213)	1:30:A:ASN:H	1:34:A:LEU:HD11	15	0.22
(1,2162)	1:70:B:VAL:H	1:31:B:LYS:HA	2	0.22
(1,2162)	1:70:B:VAL:H	1:31:B:LYS:HA	8	0.22
(1,2161)	1:70:A:VAL:H	1:31:A:LYS:HA	2	0.22
(1,2161)	1:70:A:VAL:H	1:31:A:LYS:HA	8	0.22
(1,2056)	1:77:B:VAL:HA	1:73:B:GLN:HG2	7	0.22
(1,2055)	1:77:A:VAL:HA	1:73:A:GLN:HG2	7	0.22
(1,2035)	1:43:A:PRO:HA	1:7:B:LYS:HD3	8	0.22
(1,2020)	1:82:B:ILE:HA	1:85:B:MET:HB3	6	0.22
(1,2019)	1:82:A:ILE:HA	1:85:A:MET:HB3	6	0.22
(1,1937)	1:50:A:THR:HA	1:54:A:ALA:HB2	10	0.22
(1,1937)	1:50:A:THR:HA	1:54:A:ALA:HB2	20	0.22
(1,1784)	1:56:B:GLN:HA	1:56:B:GLN:HG3	14	0.22
(1,1783)	1:56:A:GLN:HA	1:56:A:GLN:HG3	14	0.22
(1,1709)	1:5:A:LEU:HA	1:5:A:LEU:HD12	11	0.22
(1,1648)	1:49:B:ARG:HD2	1:49:B:ARG:HA	17	0.22
(1,1648)	1:49:B:ARG:HD2	1:49:B:ARG:HA	18	0.22
(1,1596)	1:95:B:ASP:HA	1:96:B:LYS:HG3	4	0.22
(1,1595)	1:95:A:ASP:HA	1:96:A:LYS:HG3	4	0.22
(1,1572)	1:71:B:ASP:HA	1:70:B:VAL:HG11	14	0.22
(1,1571)	1:71:A:ASP:HA	1:70:A:VAL:HG11	14	0.22
(1,1571)	1:71:A:ASP:HA	1:70:A:VAL:HG13	20	0.22
(1,1520)	1:26:B:LYS:HB3	1:21:B:GLY:HA3	6	0.22
(1,1519)	1:26:A:LYS:HB3	1:21:A:GLY:HA3	6	0.22
(1,1486)	1:42:B:LEU:HB3	1:41:B:GLU:HB3	18	0.22
(1,1486)	1:42:B:LEU:HB3	1:41:B:GLU:HB3	20	0.22
(1,1485)	1:42:A:LEU:HB3	1:41:A:GLU:HB3	18	0.22
(1,1485)	1:42:A:LEU:HB3	1:41:A:GLU:HB3	20	0.22
(1,1452)	1:29:B:LEU:HB2	1:37:B:LEU:HB3	4	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1452)	1:29:B:LEU:HB2	1:37:B:LEU:HB3	16	0.22
(1,1451)	1:29:A:LEU:HB2	1:37:A:LEU:HB3	4	0.22
(1,1448)	1:29:B:LEU:HB2	1:33:B:GLU:HB3	9	0.22
(1,1447)	1:29:A:LEU:HB2	1:33:A:GLU:HB3	9	0.22
(1,1436)	1:99:B:ARG:HD2	1:98:B:PRO:HA	20	0.22
(1,1435)	1:99:A:ARG:HD2	1:98:A:PRO:HA	20	0.22
(1,1356)	1:22:B:LYS:HE3	1:22:B:LYS:HB3	3	0.22
(1,1355)	1:22:A:LYS:HE3	1:22:A:LYS:HB3	3	0.22
(1,1344)	1:22:B:LYS:HE3	1:33:B:GLU:HG3	5	0.22
(1,1343)	1:22:A:LYS:HE3	1:33:A:GLU:HG2	2	0.22
(1,1343)	1:22:A:LYS:HE3	1:33:A:GLU:HG3	5	0.22
(1,1330)	1:18:B:LYS:HE3	1:19:B:TYR:HA	17	0.22
(1,1329)	1:18:A:LYS:HE3	1:19:A:TYR:HA	17	0.22
(1,1314)	1:58:B:LEU:HB3	1:62:B:LEU:HD11	10	0.22
(1,1313)	1:58:A:LEU:HB3	1:62:A:LEU:HD11	10	0.22
(1,1217)	1:57:A:LYS:HE3	1:54:A:ALA:H	1	0.22
(1,1204)	1:87:B:ASN:HB3	1:73:A:GLN:HG3	12	0.22
(1,1190)	1:28:B:LYS:HB2	1:26:B:LYS:HA	8	0.22
(1,1189)	1:28:A:LYS:HB2	1:26:A:LYS:HA	8	0.22
(1,1119)	1:70:A:VAL:HG11	1:74:A:GLU:HG3	17	0.22
(1,1078)	1:52:B:GLU:HG3	1:53:B:ALA:HB2	8	0.22
(1,1072)	1:52:B:GLU:HB2	1:52:B:GLU:HG3	2	0.22
(1,1072)	1:52:B:GLU:HB2	1:52:B:GLU:HG3	9	0.22
(1,1071)	1:52:A:GLU:HB2	1:52:A:GLU:HG3	2	0.22
(1,1071)	1:52:A:GLU:HB2	1:52:A:GLU:HG3	9	0.22
(1,1054)	1:52:B:GLU:HG3	1:51:B:ASP:H	5	0.22
(1,994)	1:74:B:GLU:H	1:73:B:GLN:HG2	1	0.22
(1,993)	1:74:A:GLU:H	1:73:A:GLN:HG2	1	0.22
(1,838)	1:34:B:LEU:HD23	1:59:B:MET:HB3	1	0.22
(1,837)	1:34:A:LEU:HD23	1:59:A:MET:HB3	1	0.22
(1,821)	1:43:A:PRO:HB2	1:44:A:SER:HB2	1	0.22
(1,802)	1:41:B:GLU:HB2	1:5:A:LEU:HD23	15	0.22
(1,728)	1:26:B:LYS:HD3	1:22:B:LYS:HA	3	0.22
(1,700)	1:57:B:LYS:HD3	1:56:B:GLN:HB3	19	0.22
(1,632)	1:40:B:ARG:HG2	1:41:B:GLU:H	9	0.22
(1,632)	1:40:B:ARG:HG2	1:41:B:GLU:H	14	0.22
(1,631)	1:40:A:ARG:HG2	1:41:A:GLU:H	9	0.22
(1,631)	1:40:A:ARG:HG2	1:41:A:GLU:H	14	0.22
(1,610)	1:37:B:LEU:HD21	1:41:B:GLU:HG2	10	0.22
(1,600)	1:37:B:LEU:HD22	1:34:B:LEU:HA	4	0.22
(1,580)	1:29:B:LEU:HD22	1:70:B:VAL:H	20	0.22
(1,579)	1:29:A:LEU:HD22	1:70:A:VAL:H	20	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,562)	1:9:B:LEU:HG	1:10:B:ASP:HB2	5	0.22
(1,562)	1:9:B:LEU:HG	1:10:B:ASP:HB2	14	0.22
(1,561)	1:9:A:LEU:HG	1:10:A:ASP:HB2	5	0.22
(1,546)	1:99:B:ARG:HG2	1:94:B:PRO:HA	14	0.22
(1,532)	1:38:B:LEU:HD23	1:79:B:LEU:HD22	6	0.22
(1,480)	1:79:B:LEU:HG	1:12:B:MET:HB2	18	0.22
(1,479)	1:79:A:LEU:HG	1:12:A:MET:HB2	18	0.22
(1,476)	1:28:B:LYS:HG2	1:25:B:ASP:HB2	19	0.22
(1,475)	1:28:A:LYS:HG2	1:25:A:ASP:HB2	19	0.22
(1,430)	1:5:B:LEU:HD23	1:9:A:LEU:HA	3	0.22
(1,429)	1:5:A:LEU:HD23	1:9:B:LEU:HA	6	0.22
(1,429)	1:5:A:LEU:HD21	1:9:B:LEU:HA	16	0.22
(1,429)	1:5:A:LEU:HD22	1:9:B:LEU:HA	18	0.22
(1,398)	1:7:B:LYS:HG3	1:7:B:LYS:HA	17	0.22
(1,397)	1:7:A:LYS:HG3	1:7:A:LYS:HA	17	0.22
(1,392)	1:46:B:LEU:HD21	1:46:B:LEU:H	11	0.22
(1,391)	1:46:A:LEU:HD21	1:46:A:LEU:H	11	0.22
(1,386)	1:31:B:LYS:HG3	1:31:B:LYS:HE3	16	0.22
(1,385)	1:31:A:LYS:HG3	1:31:A:LYS:HE3	16	0.22
(1,365)	1:96:A:LYS:HG2	1:91:A:GLU:H	14	0.22
(1,318)	1:62:B:LEU:HD22	1:82:B:ILE:HD11	10	0.22
(1,317)	1:62:A:LEU:HD22	1:82:A:ILE:HD11	10	0.22
(1,314)	1:62:B:LEU:HD21	1:58:B:LEU:HD13	18	0.22
(1,313)	1:62:A:LEU:HD21	1:58:A:LEU:HD13	18	0.22
(1,272)	1:39:B:THR:HG22	1:38:B:LEU:HD12	10	0.22
(1,271)	1:39:A:THR:HG22	1:38:A:LEU:HD12	10	0.22
(1,267)	1:9:A:LEU:HD11	1:12:B:MET:HB2	1	0.22
(1,234)	1:13:B:VAL:HG22	1:13:B:VAL:HA	8	0.22
(1,233)	1:13:A:VAL:HG22	1:13:A:VAL:HA	8	0.22
(1,224)	1:70:B:VAL:HG21	1:29:B:LEU:H	9	0.22
(1,224)	1:70:B:VAL:HG21	1:29:B:LEU:H	18	0.22
(1,223)	1:70:A:VAL:HG21	1:29:A:LEU:H	18	0.22
(1,206)	1:34:B:LEU:HD13	1:38:B:LEU:H	10	0.22
(1,205)	1:34:A:LEU:HD13	1:38:A:LEU:H	10	0.22
(1,204)	1:76:B:SER:H	1:77:B:VAL:HG22	6	0.22
(1,204)	1:76:B:SER:H	1:77:B:VAL:HG23	13	0.22
(1,204)	1:76:B:SER:H	1:77:B:VAL:HG23	18	0.22
(1,203)	1:76:A:SER:H	1:77:A:VAL:HG22	6	0.22
(1,190)	1:16:B:PHE:H	1:79:B:LEU:HD12	8	0.22
(1,189)	1:16:A:PHE:H	1:79:A:LEU:HD12	8	0.22
(1,182)	1:50:B:THR:HG22	1:48:B:LYS:HB3	15	0.22
(1,181)	1:50:A:THR:HG22	1:48:A:LYS:HB3	15	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,153)	1:13:A:VAL:HG11	1:87:B:ASN:HB2	13	0.22
(1,114)	1:2:B:ALA:HB2	1:6:B:GLU:HA	17	0.22
(1,113)	1:2:A:ALA:HB2	1:6:A:GLU:HA	17	0.22
(1,84)	1:8:B:ALA:HB3	1:10:B:ASP:HB3	20	0.22
(1,83)	1:8:A:ALA:HB3	1:10:A:ASP:HB3	20	0.22
(1,82)	1:54:B:ALA:HB3	1:49:B:ARG:HD2	18	0.22
(1,81)	1:54:A:ALA:HB3	1:49:A:ARG:HD2	18	0.22
(1,30)	1:82:B:ILE:H	1:82:B:ILE:HD11	2	0.22
(1,11)	1:5:A:LEU:HD23	1:42:B:LEU:HG	14	0.22
(3,184)	1:91:B:GLU:H	1:87:B:ASN:O	6	0.21
(3,118)	1:19:B:TYR:H	1:15:B:THR:O	7	0.21
(3,108)	1:14:B:SER:H	1:10:B:ASP:O	20	0.21
(3,92)	1:91:A:GLU:H	1:87:A:ASN:O	6	0.21
(3,26)	1:19:A:TYR:H	1:15:A:THR:O	7	0.21
(3,16)	1:14:A:SER:H	1:10:A:ASP:O	20	0.21
(2,228)	1:9:B:LEU:H	1:5:B:LEU:HB2	20	0.21
(2,227)	1:9:A:LEU:H	1:5:A:LEU:HB2	20	0.21
(2,222)	1:5:B:LEU:H	1:41:A:GLU:HA	12	0.21
(2,222)	1:5:B:LEU:H	1:41:A:GLU:HA	16	0.21
(2,222)	1:5:B:LEU:H	1:41:A:GLU:HA	18	0.21
(2,221)	1:5:A:LEU:H	1:41:B:GLU:HA	12	0.21
(2,221)	1:5:A:LEU:H	1:41:B:GLU:HA	18	0.21
(2,195)	1:22:A:LYS:H	1:19:A:TYR:HB2	3	0.21
(2,195)	1:22:A:LYS:H	1:19:A:TYR:HB2	12	0.21
(2,152)	1:14:B:SER:HA	1:16:B:PHE:HA	4	0.21
(2,151)	1:14:A:SER:HA	1:16:A:PHE:HA	4	0.21
(2,78)	1:49:B:ARG:HD2	1:46:B:LEU:HA	1	0.21
(2,68)	1:59:B:MET:HB3	1:34:B:LEU:HB3	3	0.21
(2,67)	1:59:A:MET:HB3	1:34:A:LEU:HB3	3	0.21
(2,50)	1:69:B:GLU:HB2	1:30:B:ASN:HB2	4	0.21
(2,49)	1:69:A:GLU:HB2	1:30:A:ASN:HB2	13	0.21
(1,4608)	1:81:B:SER:H	1:76:B:SER:H	7	0.21
(1,4607)	1:81:A:SER:H	1:76:A:SER:H	7	0.21
(1,4600)	1:99:B:ARG:H	1:101:B:LYS:HE2	9	0.21
(1,4599)	1:99:A:ARG:H	1:101:A:LYS:HE2	9	0.21
(1,4598)	1:62:B:LEU:H	1:70:B:VAL:HG22	5	0.21
(1,4590)	1:62:B:LEU:H	1:59:B:MET:H	16	0.21
(1,4578)	1:39:B:THR:H	1:36:B:GLU:HG3	7	0.21
(1,4578)	1:39:B:THR:H	1:36:B:GLU:HG3	12	0.21
(1,4577)	1:39:A:THR:H	1:36:A:GLU:HG3	7	0.21
(1,4522)	1:80:B:SER:H	1:82:B:ILE:HG13	7	0.21
(1,4521)	1:80:A:SER:H	1:82:A:ILE:HG13	7	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4460)	1:68:B:ASN:H	1:70:B:VAL:HG21	13	0.21
(1,4459)	1:68:A:ASN:H	1:70:A:VAL:HG21	13	0.21
(1,4438)	1:38:B:LEU:H	1:37:B:LEU:HG	9	0.21
(1,4437)	1:38:A:LEU:H	1:37:A:LEU:HG	9	0.21
(1,4424)	1:35:B:LYS:H	1:29:B:LEU:HD13	12	0.21
(1,4423)	1:35:A:LYS:H	1:29:A:LEU:HD13	12	0.21
(1,4423)	1:35:A:LYS:H	1:29:A:LEU:HD11	18	0.21
(1,4418)	1:35:B:LYS:H	1:36:B:GLU:HG3	18	0.21
(1,4417)	1:35:A:LYS:H	1:36:A:GLU:HG3	12	0.21
(1,4417)	1:35:A:LYS:H	1:36:A:GLU:HG3	18	0.21
(1,4408)	1:61:B:ASN:H	1:62:B:LEU:HG	15	0.21
(1,4396)	1:72:B:PHE:H	1:77:B:VAL:H	9	0.21
(1,4395)	1:72:A:PHE:H	1:77:A:VAL:H	9	0.21
(1,4386)	1:76:B:SER:H	1:77:B:VAL:HG21	9	0.21
(1,4385)	1:76:A:SER:H	1:77:A:VAL:HG21	9	0.21
(1,4310)	1:22:B:LYS:H	1:17:B:HIS:HA	1	0.21
(1,4310)	1:22:B:LYS:H	1:17:B:HIS:HA	2	0.21
(1,4310)	1:22:B:LYS:H	1:17:B:HIS:HA	12	0.21
(1,4309)	1:22:A:LYS:H	1:17:A:HIS:HA	1	0.21
(1,4309)	1:22:A:LYS:H	1:17:A:HIS:HA	2	0.21
(1,4309)	1:22:A:LYS:H	1:17:A:HIS:HA	12	0.21
(1,4296)	1:64:B:SER:H	1:63:B:ASP:H	5	0.21
(1,4296)	1:64:B:SER:H	1:63:B:ASP:H	8	0.21
(1,4295)	1:64:A:SER:H	1:63:A:ASP:H	5	0.21
(1,4295)	1:64:A:SER:H	1:63:A:ASP:H	8	0.21
(1,4254)	1:77:B:VAL:H	1:62:B:LEU:HB3	11	0.21
(1,4253)	1:77:A:VAL:H	1:62:A:LEU:HB3	11	0.21
(1,4215)	1:71:A:ASP:H	1:73:A:GLN:HE21	4	0.21
(1,4156)	1:16:B:PHE:HA	1:20:B:SER:HA	4	0.21
(1,4155)	1:16:A:PHE:HA	1:20:A:SER:HA	4	0.21
(1,4154)	1:76:B:SER:HA	1:79:B:LEU:HD13	7	0.21
(1,4153)	1:76:A:SER:HA	1:79:A:LEU:HD13	7	0.21
(1,4148)	1:16:B:PHE:HA	1:20:B:SER:HB3	6	0.21
(1,4147)	1:16:A:PHE:HA	1:20:A:SER:HB3	6	0.21
(1,4141)	1:32:A:SER:HA	1:36:A:GLU:HG3	1	0.21
(1,4141)	1:32:A:SER:HA	1:36:A:GLU:HG3	15	0.21
(1,4134)	1:70:B:VAL:HA	1:62:B:LEU:HB3	2	0.21
(1,4134)	1:70:B:VAL:HA	1:62:B:LEU:HB3	12	0.21
(1,4134)	1:70:B:VAL:HA	1:62:B:LEU:HB3	14	0.21
(1,4133)	1:70:A:VAL:HA	1:62:A:LEU:HB3	2	0.21
(1,4133)	1:70:A:VAL:HA	1:62:A:LEU:HB3	7	0.21
(1,4133)	1:70:A:VAL:HA	1:62:A:LEU:HB3	12	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4133)	1:70:A:VAL:HA	1:62:A:LEU:HB3	14	0.21
(1,4110)	1:2:B:ALA:HB3	1:6:B:GLU:HA	4	0.21
(1,4109)	1:2:A:ALA:HB3	1:6:A:GLU:HA	4	0.21
(1,4061)	1:10:A:ASP:HA	1:82:B:ILE:HB	4	0.21
(1,4050)	1:62:B:LEU:HA	1:61:B:ASN:HA	3	0.21
(1,4050)	1:62:B:LEU:HA	1:61:B:ASN:HA	14	0.21
(1,4049)	1:62:A:LEU:HA	1:61:A:ASN:HA	3	0.21
(1,4049)	1:62:A:LEU:HA	1:61:A:ASN:HA	14	0.21
(1,4044)	1:100:B:LYS:HA	1:100:B:LYS:HB3	19	0.21
(1,4006)	1:61:B:ASN:HA	1:57:B:LYS:HA	10	0.21
(1,4002)	1:69:B:GLU:HA	1:33:B:GLU:HB2	11	0.21
(1,4002)	1:69:B:GLU:HA	1:33:B:GLU:HB2	18	0.21
(1,4001)	1:69:A:GLU:HA	1:33:A:GLU:HB2	18	0.21
(1,3966)	1:2:B:ALA:HA	1:6:B:GLU:HA	14	0.21
(1,3966)	1:2:B:ALA:HA	1:6:B:GLU:HA	18	0.21
(1,3965)	1:2:A:ALA:HA	1:6:A:GLU:HA	15	0.21
(1,3965)	1:2:A:ALA:HA	1:6:A:GLU:HA	18	0.21
(1,3954)	1:94:B:PRO:HD3	1:93:B:PHE:H	18	0.21
(1,3953)	1:94:A:PRO:HD3	1:93:A:PHE:H	18	0.21
(1,3946)	1:42:B:LEU:HB2	1:79:B:LEU:HD21	16	0.21
(1,3946)	1:42:B:LEU:HB2	1:79:B:LEU:HD21	18	0.21
(1,3945)	1:42:A:LEU:HB2	1:79:A:LEU:HD21	16	0.21
(1,3945)	1:42:A:LEU:HB2	1:79:A:LEU:HD21	18	0.21
(1,3794)	1:28:B:LYS:HB2	1:20:B:SER:HB3	16	0.21
(1,3793)	1:28:A:LYS:HB2	1:20:A:SER:HB3	16	0.21
(1,3784)	1:61:B:ASN:HB2	1:62:B:LEU:HG	15	0.21
(1,3783)	1:61:A:ASN:HB2	1:62:A:LEU:HG	15	0.21
(1,3736)	1:94:B:PRO:HB2	1:88:B:GLU:HG3	1	0.21
(1,3735)	1:94:A:PRO:HB2	1:88:A:GLU:HG3	1	0.21
(1,3685)	1:97:A:GLN:HG3	1:98:A:PRO:HD2	15	0.21
(1,3664)	1:85:B:MET:HG2	1:82:B:ILE:HG13	1	0.21
(1,3663)	1:85:A:MET:HG2	1:82:A:ILE:HG13	1	0.21
(1,3644)	1:31:B:LYS:HB3	1:35:B:LYS:HA	9	0.21
(1,3643)	1:31:A:LYS:HB3	1:35:A:LYS:HA	9	0.21
(1,3632)	1:59:B:MET:HB3	1:34:B:LEU:HB3	3	0.21
(1,3632)	1:43:B:PRO:HB2	1:42:B:LEU:HB3	12	0.21
(1,3632)	1:43:B:PRO:HB2	1:42:B:LEU:HB3	20	0.21
(1,3631)	1:59:A:MET:HB3	1:34:A:LEU:HB3	3	0.21
(1,3618)	1:17:B:HIS:HB3	1:13:B:VAL:HG13	8	0.21
(1,3617)	1:17:A:HIS:HB3	1:13:A:VAL:HG13	8	0.21
(1,3606)	1:28:B:LYS:HD3	1:67:B:ASP:HB2	8	0.21
(1,3606)	1:28:B:LYS:HD3	1:67:B:ASP:HB2	10	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3605)	1:28:A:LYS:HD3	1:67:A:ASP:HB2	8	0.21
(1,3600)	1:31:B:LYS:HD2	1:32:B:SER:HB2	12	0.21
(1,3592)	1:35:B:LYS:HD2	1:31:B:LYS:HG2	16	0.21
(1,3556)	1:56:B:GLN:HB2	1:55:B:PHE:HB3	13	0.21
(1,3555)	1:56:A:GLN:HB2	1:55:A:PHE:HB3	13	0.21
(1,3502)	1:34:B:LEU:HD23	1:58:B:LEU:HB3	8	0.21
(1,3502)	1:34:B:LEU:HD22	1:58:B:LEU:HB3	12	0.21
(1,3501)	1:34:A:LEU:HD23	1:58:A:LEU:HB3	8	0.21
(1,3501)	1:34:A:LEU:HD22	1:58:A:LEU:HB3	12	0.21
(1,3492)	1:81:B:SER:H	1:79:B:LEU:HD23	6	0.21
(1,3491)	1:81:A:SER:H	1:79:A:LEU:HD23	6	0.21
(1,3444)	1:18:B:LYS:HG3	1:20:B:SER:H	7	0.21
(1,3443)	1:18:A:LYS:HG3	1:20:A:SER:H	7	0.21
(1,3366)	1:39:B:THR:HG23	1:38:B:LEU:HD22	1	0.21
(1,3365)	1:39:A:THR:HG23	1:38:A:LEU:HD22	1	0.21
(1,3322)	1:54:B:ALA:HB1	1:46:B:LEU:HD21	4	0.21
(1,3128)	1:73:B:GLN:HE22	1:77:B:VAL:HB	6	0.21
(1,2774)	1:59:B:MET:H	1:62:B:LEU:HD12	13	0.21
(1,2773)	1:59:A:MET:H	1:62:A:LEU:HD12	13	0.21
(1,2752)	1:34:B:LEU:H	1:29:B:LEU:HD11	2	0.21
(1,2751)	1:34:A:LEU:H	1:29:A:LEU:HD11	2	0.21
(1,2692)	1:72:B:PHE:H	1:28:B:LYS:HG3	6	0.21
(1,2691)	1:72:A:PHE:H	1:28:A:LYS:HG3	6	0.21
(1,2680)	1:7:B:LYS:H	1:7:B:LYS:HG3	3	0.21
(1,2680)	1:7:B:LYS:H	1:7:B:LYS:HG3	9	0.21
(1,2679)	1:7:A:LYS:H	1:7:A:LYS:HG3	3	0.21
(1,2508)	1:42:B:LEU:H	1:41:B:GLU:HB3	6	0.21
(1,2507)	1:42:A:LEU:H	1:41:A:GLU:HB3	6	0.21
(1,2478)	1:87:B:ASN:H	1:13:A:VAL:HG22	15	0.21
(1,2478)	1:87:B:ASN:H	1:13:A:VAL:HG21	17	0.21
(1,2462)	1:37:B:LEU:H	1:29:B:LEU:HD13	11	0.21
(1,2461)	1:37:A:LEU:H	1:29:A:LEU:HD13	11	0.21
(1,2323)	1:78:A:PHE:H	1:82:A:ILE:HD11	17	0.21
(1,2308)	1:45:B:PHE:H	1:82:B:ILE:HD11	8	0.21
(1,2303)	1:45:A:PHE:H	1:7:B:LYS:HD2	17	0.21
(1,2288)	1:3:B:SER:H	1:6:B:GLU:HA	3	0.21
(1,2287)	1:3:A:SER:H	1:6:A:GLU:HA	3	0.21
(1,2286)	1:3:B:SER:H	1:40:A:ARG:HA	6	0.21
(1,2216)	1:30:B:ASN:H	1:29:B:LEU:HD11	10	0.21
(1,2215)	1:30:A:ASN:H	1:29:A:LEU:HD11	10	0.21
(1,2166)	1:70:B:VAL:H	1:69:B:GLU:HB2	4	0.21
(1,2165)	1:70:A:VAL:H	1:69:A:GLU:HB2	4	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2162)	1:70:B:VAL:H	1:31:B:LYS:HA	3	0.21
(1,2162)	1:70:B:VAL:H	1:31:B:LYS:HA	6	0.21
(1,2162)	1:70:B:VAL:H	1:31:B:LYS:HA	20	0.21
(1,2161)	1:70:A:VAL:H	1:31:A:LYS:HA	3	0.21
(1,2161)	1:70:A:VAL:H	1:31:A:LYS:HA	6	0.21
(1,2161)	1:70:A:VAL:H	1:31:A:LYS:HA	20	0.21
(1,2134)	1:25:B:ASP:H	1:28:B:LYS:HG2	5	0.21
(1,2133)	1:25:A:ASP:H	1:28:A:LYS:HG2	5	0.21
(1,2056)	1:77:B:VAL:HA	1:73:B:GLN:HG2	15	0.21
(1,2055)	1:77:A:VAL:HA	1:73:A:GLN:HG2	15	0.21
(1,2036)	1:43:B:PRO:HA	1:7:A:LYS:HD2	15	0.21
(1,2030)	1:43:B:PRO:HA	1:45:B:PHE:HB3	12	0.21
(1,2029)	1:43:A:PRO:HA	1:45:A:PHE:HB3	12	0.21
(1,1938)	1:50:B:THR:HA	1:54:B:ALA:HB2	20	0.21
(1,1876)	1:82:B:ILE:HG23	1:45:B:PHE:HA	4	0.21
(1,1875)	1:82:A:ILE:HG23	1:45:A:PHE:HA	4	0.21
(1,1710)	1:5:B:LEU:HA	1:5:B:LEU:HD12	11	0.21
(1,1710)	1:5:B:LEU:HA	1:5:B:LEU:HD11	20	0.21
(1,1709)	1:5:A:LEU:HA	1:5:A:LEU:HD11	20	0.21
(1,1660)	1:46:B:LEU:HA	1:45:B:PHE:HB2	8	0.21
(1,1659)	1:46:A:LEU:HA	1:45:A:PHE:HB2	8	0.21
(1,1647)	1:49:A:ARG:HD2	1:49:A:ARG:HA	17	0.21
(1,1647)	1:49:A:ARG:HD2	1:49:A:ARG:HA	18	0.21
(1,1584)	1:42:B:LEU:HA	1:82:B:ILE:HD12	17	0.21
(1,1583)	1:42:A:LEU:HA	1:82:A:ILE:HD12	17	0.21
(1,1572)	1:71:B:ASP:HA	1:70:B:VAL:HG11	1	0.21
(1,1572)	1:71:B:ASP:HA	1:70:B:VAL:HG13	7	0.21
(1,1571)	1:71:A:ASP:HA	1:70:A:VAL:HG11	1	0.21
(1,1571)	1:71:A:ASP:HA	1:70:A:VAL:HG13	7	0.21
(1,1519)	1:26:A:LYS:HB3	1:21:A:GLY:HA3	2	0.21
(1,1480)	1:42:B:LEU:HB2	1:45:B:PHE:HA	2	0.21
(1,1479)	1:42:A:LEU:HB2	1:45:A:PHE:HA	2	0.21
(1,1346)	1:96:B:LYS:HE2	1:73:A:GLN:HG3	14	0.21
(1,1345)	1:96:A:LYS:HE2	1:73:B:GLN:HG3	14	0.21
(1,1344)	1:22:B:LYS:HE3	1:33:B:GLU:HG2	2	0.21
(1,1278)	1:10:B:ASP:HB3	1:12:B:MET:H	11	0.21
(1,1277)	1:10:A:ASP:HB3	1:12:A:MET:H	11	0.21
(1,1266)	1:79:B:LEU:HB2	1:9:A:LEU:HD12	1	0.21
(1,1228)	1:57:B:LYS:HE3	1:56:B:GLN:HA	5	0.21
(1,1228)	1:57:B:LYS:HE3	1:56:B:GLN:HA	9	0.21
(1,1227)	1:57:A:LYS:HE3	1:56:A:GLN:HA	4	0.21
(1,1227)	1:57:A:LYS:HE3	1:56:A:GLN:HA	5	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1218)	1:57:B:LYS:HE3	1:54:B:ALA:H	1	0.21
(1,1218)	1:57:B:LYS:HE3	1:54:B:ALA:H	5	0.21
(1,1218)	1:57:B:LYS:HE3	1:54:B:ALA:H	10	0.21
(1,1217)	1:57:A:LYS:HE3	1:54:A:ALA:H	5	0.21
(1,1217)	1:57:A:LYS:HE3	1:54:A:ALA:H	10	0.21
(1,1190)	1:28:B:LYS:HB2	1:26:B:LYS:HA	16	0.21
(1,1189)	1:28:A:LYS:HB2	1:26:A:LYS:HA	16	0.21
(1,1122)	1:70:B:VAL:HG12	1:74:B:GLU:HG2	8	0.21
(1,1121)	1:70:A:VAL:HG12	1:74:A:GLU:HG2	8	0.21
(1,1120)	1:70:B:VAL:HG11	1:74:B:GLU:HG3	17	0.21
(1,1106)	1:82:B:ILE:HB	1:86:B:SER:HB3	5	0.21
(1,1105)	1:82:A:ILE:HB	1:86:A:SER:HB3	5	0.21
(1,1078)	1:52:B:GLU:HG3	1:53:B:ALA:HB3	17	0.21
(1,1077)	1:52:A:GLU:HG3	1:53:A:ALA:HB3	17	0.21
(1,1072)	1:52:B:GLU:HB2	1:52:B:GLU:HG3	1	0.21
(1,1072)	1:52:B:GLU:HB2	1:52:B:GLU:HG3	4	0.21
(1,1072)	1:52:B:GLU:HB2	1:52:B:GLU:HG3	8	0.21
(1,1071)	1:52:A:GLU:HB2	1:52:A:GLU:HG3	4	0.21
(1,1071)	1:52:A:GLU:HB2	1:52:A:GLU:HG3	8	0.21
(1,1069)	1:88:A:GLU:HG3	1:96:A:LYS:HE2	13	0.21
(1,1053)	1:52:A:GLU:HG3	1:51:A:ASP:H	5	0.21
(1,1052)	1:88:B:GLU:HG2	1:73:A:GLN:H	9	0.21
(1,1028)	1:41:B:GLU:HG3	1:37:B:LEU:HG	4	0.21
(1,1027)	1:41:A:GLU:HG3	1:37:A:LEU:HG	4	0.21
(1,891)	1:31:A:LYS:HB2	1:30:A:ASN:HA	13	0.21
(1,838)	1:34:B:LEU:HD23	1:59:B:MET:HB3	5	0.21
(1,838)	1:34:B:LEU:HD23	1:59:B:MET:HB3	9	0.21
(1,837)	1:34:A:LEU:HD23	1:59:A:MET:HB3	5	0.21
(1,837)	1:34:A:LEU:HD23	1:59:A:MET:HB3	9	0.21
(1,802)	1:41:B:GLU:HB2	1:5:A:LEU:HD21	3	0.21
(1,801)	1:41:A:GLU:HB2	1:5:B:LEU:HD21	3	0.21
(1,699)	1:57:A:LYS:HD3	1:56:A:GLN:HB3	19	0.21
(1,632)	1:40:B:ARG:HG2	1:41:B:GLU:H	19	0.21
(1,631)	1:40:A:ARG:HG2	1:41:A:GLU:H	3	0.21
(1,631)	1:40:A:ARG:HG2	1:41:A:GLU:H	19	0.21
(1,609)	1:37:A:LEU:HD21	1:41:A:GLU:HG2	10	0.21
(1,599)	1:37:A:LEU:HD22	1:34:A:LEU:HA	4	0.21
(1,580)	1:29:B:LEU:HD21	1:70:B:VAL:H	18	0.21
(1,579)	1:29:A:LEU:HD21	1:70:A:VAL:H	18	0.21
(1,524)	1:42:B:LEU:HD12	1:41:B:GLU:HA	16	0.21
(1,523)	1:42:A:LEU:HD12	1:41:A:GLU:HA	16	0.21
(1,470)	1:9:B:LEU:HD22	1:6:B:GLU:HA	5	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,470)	1:9:B:LEU:HD23	1:6:B:GLU:HA	6	0.21
(1,469)	1:9:A:LEU:HD22	1:6:A:GLU:HA	5	0.21
(1,469)	1:9:A:LEU:HD23	1:6:A:GLU:HA	6	0.21
(1,458)	1:58:B:LEU:HD22	1:62:B:LEU:HD11	7	0.21
(1,457)	1:58:A:LEU:HD22	1:62:A:LEU:HD11	7	0.21
(1,430)	1:5:B:LEU:HD23	1:9:A:LEU:HA	6	0.21
(1,429)	1:5:A:LEU:HD23	1:9:B:LEU:HA	8	0.21
(1,410)	1:54:B:ALA:HB2	1:46:B:LEU:HD23	3	0.21
(1,409)	1:54:A:ALA:HB2	1:46:A:LEU:HD23	3	0.21
(1,408)	1:46:B:LEU:HD23	1:46:B:LEU:HB3	9	0.21
(1,407)	1:46:A:LEU:HD23	1:46:A:LEU:HB3	5	0.21
(1,407)	1:46:A:LEU:HD23	1:46:A:LEU:HB3	9	0.21
(1,366)	1:96:B:LYS:HG2	1:91:B:GLU:H	14	0.21
(1,338)	1:58:B:LEU:HD11	1:61:B:ASN:HB3	5	0.21
(1,337)	1:58:A:LEU:HD11	1:61:A:ASN:HB3	5	0.21
(1,313)	1:62:A:LEU:HD21	1:58:A:LEU:HD12	4	0.21
(1,275)	1:9:A:LEU:HD13	1:79:B:LEU:HD11	14	0.21
(1,236)	1:70:B:VAL:HG21	1:63:B:ASP:HB3	19	0.21
(1,235)	1:70:A:VAL:HG21	1:63:A:ASP:HB3	19	0.21
(1,223)	1:70:A:VAL:HG21	1:29:A:LEU:H	9	0.21
(1,206)	1:34:B:LEU:HD11	1:38:B:LEU:H	12	0.21
(1,205)	1:34:A:LEU:HD12	1:38:A:LEU:H	3	0.21
(1,205)	1:34:A:LEU:HD12	1:38:A:LEU:H	5	0.21
(1,205)	1:34:A:LEU:HD11	1:38:A:LEU:H	12	0.21
(1,204)	1:76:B:SER:H	1:77:B:VAL:HG23	2	0.21
(1,204)	1:76:B:SER:H	1:77:B:VAL:HG22	3	0.21
(1,204)	1:76:B:SER:H	1:77:B:VAL:HG21	10	0.21
(1,204)	1:76:B:SER:H	1:77:B:VAL:HG23	11	0.21
(1,204)	1:76:B:SER:H	1:77:B:VAL:HG22	20	0.21
(1,203)	1:76:A:SER:H	1:77:A:VAL:HG23	2	0.21
(1,203)	1:76:A:SER:H	1:77:A:VAL:HG21	10	0.21
(1,203)	1:76:A:SER:H	1:77:A:VAL:HG23	11	0.21
(1,203)	1:76:A:SER:H	1:77:A:VAL:HG23	13	0.21
(1,203)	1:76:A:SER:H	1:77:A:VAL:HG21	14	0.21
(1,203)	1:76:A:SER:H	1:77:A:VAL:HG21	16	0.21
(1,203)	1:76:A:SER:H	1:77:A:VAL:HG23	18	0.21
(1,203)	1:76:A:SER:H	1:77:A:VAL:HG23	19	0.21
(1,203)	1:76:A:SER:H	1:77:A:VAL:HG22	20	0.21
(1,190)	1:16:B:PHE:H	1:79:B:LEU:HD13	18	0.21
(1,154)	1:13:B:VAL:HG11	1:87:A:ASN:HB2	13	0.21
(1,114)	1:2:B:ALA:HB1	1:6:B:GLU:HA	8	0.21
(1,113)	1:2:A:ALA:HB1	1:6:A:GLU:HA	8	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,84)	1:8:B:ALA:HB1	1:10:B:ASP:HB3	11	0.21
(1,83)	1:8:A:ALA:HB1	1:10:A:ASP:HB3	11	0.21
(1,75)	1:53:A:ALA:HB2	1:51:A:ASP:HA	16	0.21
(1,29)	1:82:A:ILE:H	1:82:A:ILE:HD11	2	0.21
(1,18)	1:39:B:THR:HB	1:40:B:ARG:HG2	20	0.21
(1,17)	1:39:A:THR:HB	1:40:A:ARG:HG2	20	0.21
(1,12)	1:5:B:LEU:HD23	1:42:A:LEU:HG	14	0.21
(1,11)	1:5:A:LEU:HD22	1:42:B:LEU:HG	2	0.21
(3,138)	1:48:B:LYS:H	1:44:B:SER:O	6	0.2
(3,138)	1:48:B:LYS:H	1:44:B:SER:O	20	0.2
(3,108)	1:14:B:SER:H	1:10:B:ASP:O	9	0.2
(3,108)	1:14:B:SER:H	1:10:B:ASP:O	15	0.2
(3,100)	1:10:B:ASP:H	1:6:B:GLU:O	2	0.2
(3,46)	1:48:A:LYS:H	1:44:A:SER:O	6	0.2
(3,46)	1:48:A:LYS:H	1:44:A:SER:O	20	0.2
(3,26)	1:19:A:TYR:H	1:15:A:THR:O	20	0.2
(3,16)	1:14:A:SER:H	1:10:A:ASP:O	15	0.2
(3,8)	1:10:A:ASP:H	1:6:A:GLU:O	2	0.2
(2,286)	1:65:B:ASN:HD21	1:68:B:ASN:HD21	2	0.2
(2,285)	1:65:A:ASN:HD21	1:68:A:ASN:HD21	2	0.2
(2,221)	1:5:A:LEU:H	1:41:B:GLU:HA	16	0.2
(2,196)	1:22:B:LYS:H	1:19:B:TYR:HB2	3	0.2
(2,152)	1:14:B:SER:HA	1:16:B:PHE:HA	6	0.2
(2,152)	1:14:B:SER:HA	1:16:B:PHE:HA	8	0.2
(2,152)	1:14:B:SER:HA	1:16:B:PHE:HA	9	0.2
(2,152)	1:14:B:SER:HA	1:16:B:PHE:HA	17	0.2
(2,151)	1:14:A:SER:HA	1:16:A:PHE:HA	6	0.2
(2,151)	1:14:A:SER:HA	1:16:A:PHE:HA	8	0.2
(2,151)	1:14:A:SER:HA	1:16:A:PHE:HA	9	0.2
(2,151)	1:14:A:SER:HA	1:16:A:PHE:HA	17	0.2
(2,130)	1:21:B:GLY:HA2	1:18:B:LYS:HA	2	0.2
(2,129)	1:21:A:GLY:HA2	1:18:A:LYS:HA	2	0.2
(2,124)	1:74:B:GLU:HA	1:70:B:VAL:HA	15	0.2
(2,123)	1:74:A:GLU:HA	1:70:A:VAL:HA	15	0.2
(2,77)	1:49:A:ARG:HD2	1:46:A:LEU:HA	1	0.2
(2,50)	1:69:B:GLU:HB2	1:30:B:ASN:HB2	6	0.2
(2,50)	1:69:B:GLU:HB2	1:30:B:ASN:HB2	13	0.2
(2,50)	1:69:B:GLU:HB2	1:30:B:ASN:HB2	14	0.2
(2,49)	1:69:A:GLU:HB2	1:30:A:ASN:HB2	4	0.2
(2,49)	1:69:A:GLU:HB2	1:30:A:ASN:HB2	9	0.2
(2,49)	1:69:A:GLU:HB2	1:30:A:ASN:HB2	14	0.2
(2,44)	1:98:B:PRO:HB3	1:97:B:GLN:HB2	16	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,43)	1:98:A:PRO:HB3	1:97:A:GLN:HB2	16	0.2
(2,32)	1:17:B:HIS:HB2	1:21:B:GLY:HA3	7	0.2
(2,31)	1:17:A:HIS:HB2	1:21:A:GLY:HA3	7	0.2
(2,4)	1:35:B:LYS:HG2	1:36:B:GLU:HA	11	0.2
(2,4)	1:35:B:LYS:HG2	1:36:B:GLU:HA	13	0.2
(2,3)	1:35:A:LYS:HG2	1:36:A:GLU:HA	11	0.2
(2,3)	1:35:A:LYS:HG2	1:36:A:GLU:HA	13	0.2
(1,4590)	1:62:B:LEU:H	1:59:B:MET:H	18	0.2
(1,4589)	1:62:A:LEU:H	1:59:A:MET:H	16	0.2
(1,4589)	1:62:A:LEU:H	1:59:A:MET:H	18	0.2
(1,4577)	1:39:A:THR:H	1:36:A:GLU:HG3	12	0.2
(1,4508)	1:32:B:SER:H	1:23:B:GLU:HG3	14	0.2
(1,4482)	1:14:B:SER:H	1:79:B:LEU:HD12	5	0.2
(1,4481)	1:14:A:SER:H	1:79:A:LEU:HD12	5	0.2
(1,4474)	1:85:B:MET:H	1:83:B:ALA:HB1	9	0.2
(1,4473)	1:85:A:MET:H	1:83:A:ALA:HB1	9	0.2
(1,4463)	1:31:A:LYS:H	1:34:A:LEU:HD22	19	0.2
(1,4461)	1:31:A:LYS:H	1:59:A:MET:HG3	19	0.2
(1,4424)	1:35:B:LYS:H	1:29:B:LEU:HD12	13	0.2
(1,4424)	1:35:B:LYS:H	1:29:B:LEU:HD11	18	0.2
(1,4423)	1:35:A:LYS:H	1:29:A:LEU:HD12	13	0.2
(1,4417)	1:35:A:LYS:H	1:36:A:GLU:HG3	13	0.2
(1,4408)	1:61:B:ASN:H	1:62:B:LEU:HG	14	0.2
(1,4407)	1:61:A:ASN:H	1:62:A:LEU:HG	1	0.2
(1,4407)	1:61:A:ASN:H	1:62:A:LEU:HG	14	0.2
(1,4407)	1:61:A:ASN:H	1:62:A:LEU:HG	15	0.2
(1,4372)	1:95:B:ASP:H	1:91:B:GLU:HG3	5	0.2
(1,4371)	1:95:A:ASP:H	1:91:A:GLU:HG3	5	0.2
(1,4352)	1:79:B:LEU:H	1:79:B:LEU:HB3	7	0.2
(1,4351)	1:79:A:LEU:H	1:79:A:LEU:HB3	7	0.2
(1,4346)	1:16:B:PHE:H	1:2:A:ALA:HB3	20	0.2
(1,4345)	1:16:A:PHE:H	1:2:B:ALA:HB3	20	0.2
(1,4310)	1:22:B:LYS:H	1:17:B:HIS:HA	4	0.2
(1,4309)	1:22:A:LYS:H	1:17:A:HIS:HA	4	0.2
(1,4228)	1:29:B:LEU:H	1:34:B:LEU:HA	17	0.2
(1,4227)	1:29:A:LEU:H	1:34:A:LEU:HA	17	0.2
(1,4216)	1:71:B:ASP:H	1:73:B:GLN:HE21	4	0.2
(1,4148)	1:16:B:PHE:HA	1:20:B:SER:HB3	2	0.2
(1,4147)	1:16:A:PHE:HA	1:20:A:SER:HB3	2	0.2
(1,4130)	1:74:B:GLU:HA	1:70:B:VAL:HA	15	0.2
(1,4129)	1:74:A:GLU:HA	1:70:A:VAL:HA	15	0.2
(1,4084)	1:74:B:GLU:HA	1:78:B:PHE:HA	13	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4083)	1:74:A:GLU:HA	1:78:A:PHE:HA	13	0.2
(1,4062)	1:10:B:ASP:HA	1:82:A:ILE:HB	12	0.2
(1,4050)	1:62:B:LEU:HA	1:61:B:ASN:HA	6	0.2
(1,4050)	1:62:B:LEU:HA	1:61:B:ASN:HA	8	0.2
(1,4050)	1:62:B:LEU:HA	1:61:B:ASN:HA	9	0.2
(1,4050)	1:62:B:LEU:HA	1:78:B:PHE:HA	12	0.2
(1,4050)	1:62:B:LEU:HA	1:61:B:ASN:HA	13	0.2
(1,4050)	1:62:B:LEU:HA	1:61:B:ASN:HA	17	0.2
(1,4049)	1:62:A:LEU:HA	1:61:A:ASN:HA	8	0.2
(1,4049)	1:62:A:LEU:HA	1:61:A:ASN:HA	9	0.2
(1,4049)	1:62:A:LEU:HA	1:61:A:ASN:HA	12	0.2
(1,4049)	1:62:A:LEU:HA	1:61:A:ASN:HA	17	0.2
(1,4044)	1:100:B:LYS:HA	1:100:B:LYS:HB2	3	0.2
(1,4043)	1:100:A:LYS:HA	1:100:A:LYS:HB2	3	0.2
(1,4043)	1:100:A:LYS:HA	1:100:A:LYS:HB3	19	0.2
(1,4042)	1:99:B:ARG:HA	1:98:B:PRO:HB3	6	0.2
(1,4041)	1:99:A:ARG:HA	1:98:A:PRO:HB3	6	0.2
(1,4006)	1:61:B:ASN:HA	1:57:B:LYS:HA	1	0.2
(1,4005)	1:61:A:ASN:HA	1:57:A:LYS:HA	1	0.2
(1,3994)	1:42:B:LEU:HA	1:45:B:PHE:HA	13	0.2
(1,3993)	1:42:A:LEU:HA	1:45:A:PHE:HA	13	0.2
(1,3993)	1:42:A:LEU:HA	1:45:A:PHE:HA	15	0.2
(1,3966)	1:2:B:ALA:HA	1:6:B:GLU:HA	11	0.2
(1,3966)	1:2:B:ALA:HA	1:6:B:GLU:HA	15	0.2
(1,3966)	1:2:B:ALA:HA	1:6:B:GLU:HA	16	0.2
(1,3965)	1:2:A:ALA:HA	1:6:A:GLU:HA	11	0.2
(1,3965)	1:2:A:ALA:HA	1:6:A:GLU:HA	16	0.2
(1,3964)	1:2:B:ALA:HA	1:15:A:THR:HA	18	0.2
(1,3956)	1:98:B:PRO:HD3	1:99:B:ARG:HA	5	0.2
(1,3955)	1:98:A:PRO:HD3	1:99:A:ARG:HA	5	0.2
(1,3870)	1:51:B:ASP:HB3	1:49:B:ARG:HD2	8	0.2
(1,3850)	1:9:B:LEU:HB3	1:79:A:LEU:HD13	9	0.2
(1,3850)	1:9:B:LEU:HB3	1:79:A:LEU:HD13	12	0.2
(1,3850)	1:9:B:LEU:HB3	1:79:A:LEU:HD11	13	0.2
(1,3849)	1:9:A:LEU:HB3	1:79:B:LEU:HD13	9	0.2
(1,3849)	1:9:A:LEU:HB3	1:79:B:LEU:HD11	13	0.2
(1,3798)	1:16:B:PHE:HB2	1:37:B:LEU:HB3	14	0.2
(1,3797)	1:16:A:PHE:HB2	1:37:A:LEU:HB3	14	0.2
(1,3724)	1:69:B:GLU:HG2	1:29:B:LEU:HA	18	0.2
(1,3723)	1:69:A:GLU:HG2	1:29:A:LEU:HA	18	0.2
(1,3698)	1:56:B:GLN:HG3	1:57:B:LYS:HE2	5	0.2
(1,3697)	1:56:A:GLN:HG3	1:57:A:LYS:HE2	5	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3644)	1:31:B:LYS:HB3	1:35:B:LYS:HA	3	0.2
(1,3643)	1:31:A:LYS:HB3	1:35:A:LYS:HA	3	0.2
(1,3631)	1:43:A:PRO:HB2	1:42:A:LEU:HB3	12	0.2
(1,3631)	1:43:A:PRO:HB2	1:42:A:LEU:HB3	20	0.2
(1,3624)	1:43:B:PRO:HB3	1:47:B:GLY:HA3	5	0.2
(1,3623)	1:43:A:PRO:HB3	1:47:A:GLY:HA3	5	0.2
(1,3591)	1:35:A:LYS:HD2	1:31:A:LYS:HG2	16	0.2
(1,3586)	1:88:B:GLU:HB2	1:91:B:GLU:HB2	10	0.2
(1,3585)	1:88:A:GLU:HB2	1:91:A:GLU:HB2	10	0.2
(1,3578)	1:7:B:LYS:HD3	1:7:B:LYS:HE2	13	0.2
(1,3577)	1:7:A:LYS:HD3	1:7:A:LYS:HE2	13	0.2
(1,3492)	1:81:B:SER:H	1:79:B:LEU:HD21	2	0.2
(1,3492)	1:81:B:SER:H	1:79:B:LEU:HD22	19	0.2
(1,3491)	1:81:A:SER:H	1:79:A:LEU:HD21	2	0.2
(1,3491)	1:81:A:SER:H	1:79:A:LEU:HD22	19	0.2
(1,3446)	1:35:B:LYS:HG2	1:38:B:LEU:H	13	0.2
(1,3445)	1:35:A:LYS:HG2	1:38:A:LEU:H	13	0.2
(1,3394)	1:77:B:VAL:HG23	1:74:B:GLU:HA	17	0.2
(1,3393)	1:77:A:VAL:HG23	1:74:A:GLU:HA	17	0.2
(1,3376)	1:50:B:THR:HG23	1:35:B:LYS:HB3	13	0.2
(1,3375)	1:50:A:THR:HG23	1:35:A:LYS:HB3	13	0.2
(1,3370)	1:50:B:THR:HG22	1:49:B:ARG:HD2	15	0.2
(1,3369)	1:50:A:THR:HG22	1:49:A:ARG:HD2	15	0.2
(1,3321)	1:54:A:ALA:HB1	1:46:A:LEU:HD21	4	0.2
(1,3316)	1:82:B:ILE:HG22	1:9:A:LEU:HB2	4	0.2
(1,3315)	1:82:A:ILE:HG22	1:9:B:LEU:HB2	4	0.2
(1,3308)	1:31:B:LYS:HB3	1:31:B:LYS:HA	11	0.2
(1,3307)	1:31:A:LYS:HB3	1:31:A:LYS:HA	11	0.2
(1,3304)	1:9:B:LEU:HD12	1:15:A:THR:HB	8	0.2
(1,3303)	1:9:A:LEU:HD12	1:15:B:THR:HB	8	0.2
(1,3238)	1:99:B:ARG:H	1:99:B:ARG:HB2	4	0.2
(1,3238)	1:99:B:ARG:H	1:99:B:ARG:HB2	7	0.2
(1,3237)	1:99:A:ARG:H	1:99:A:ARG:HB2	4	0.2
(1,3237)	1:99:A:ARG:H	1:99:A:ARG:HB2	7	0.2
(1,3214)	1:47:B:GLY:H	1:82:B:ILE:HD13	12	0.2
(1,3172)	1:30:B:ASN:HD22	1:22:B:LYS:HE3	14	0.2
(1,3084)	1:65:B:ASN:HD22	1:67:B:ASP:HB2	6	0.2
(1,3082)	1:65:B:ASN:HD22	1:65:B:ASN:HA	17	0.2
(1,3081)	1:65:A:ASN:HD22	1:65:A:ASN:HA	17	0.2
(1,2976)	1:32:B:SER:H	1:33:B:GLU:HG2	11	0.2
(1,2975)	1:32:A:SER:H	1:33:A:GLU:HG2	11	0.2
(1,2751)	1:34:A:LEU:H	1:29:A:LEU:HD13	1	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2711)	1:15:A:THR:H	1:2:B:ALA:HB3	13	0.2
(1,2680)	1:7:B:LYS:H	1:7:B:LYS:HG3	14	0.2
(1,2679)	1:7:A:LYS:H	1:7:A:LYS:HG3	14	0.2
(1,2548)	1:93:B:PHE:H	1:91:B:GLU:HG3	8	0.2
(1,2548)	1:93:B:PHE:H	1:91:B:GLU:HG3	16	0.2
(1,2547)	1:93:A:PHE:H	1:91:A:GLU:HG3	16	0.2
(1,2544)	1:93:B:PHE:H	1:92:B:GLY:HA3	9	0.2
(1,2543)	1:93:A:PHE:H	1:92:A:GLY:HA3	9	0.2
(1,2508)	1:42:B:LEU:H	1:41:B:GLU:HB3	5	0.2
(1,2507)	1:42:A:LEU:H	1:41:A:GLU:HB3	5	0.2
(1,2480)	1:87:B:ASN:H	1:13:A:VAL:HG13	20	0.2
(1,2440)	1:97:B:GLN:H	1:95:B:ASP:HB3	19	0.2
(1,2412)	1:52:B:GLU:H	1:51:B:ASP:HB3	2	0.2
(1,2411)	1:52:A:GLU:H	1:51:A:ASP:HB3	2	0.2
(1,2324)	1:78:B:PHE:H	1:82:B:ILE:HD11	6	0.2
(1,2324)	1:78:B:PHE:H	1:82:B:ILE:HD11	17	0.2
(1,2323)	1:78:A:PHE:H	1:82:A:ILE:HD11	6	0.2
(1,2288)	1:3:B:SER:H	1:6:B:GLU:HA	4	0.2
(1,2287)	1:3:A:SER:H	1:6:A:GLU:HA	4	0.2
(1,2286)	1:3:B:SER:H	1:40:A:ARG:HA	1	0.2
(1,2286)	1:3:B:SER:H	1:40:A:ARG:HA	17	0.2
(1,2285)	1:3:A:SER:H	1:40:B:ARG:HA	1	0.2
(1,2214)	1:30:B:ASN:H	1:34:B:LEU:HD13	6	0.2
(1,2213)	1:30:A:ASN:H	1:34:A:LEU:HD13	6	0.2
(1,2210)	1:30:B:ASN:H	1:33:B:GLU:HB3	11	0.2
(1,2209)	1:30:A:ASN:H	1:33:A:GLU:HB3	11	0.2
(1,2180)	1:83:B:ALA:H	1:85:B:MET:HB3	20	0.2
(1,2179)	1:83:A:ALA:H	1:85:A:MET:HB3	20	0.2
(1,2110)	1:71:B:ASP:H	1:74:B:GLU:HG3	13	0.2
(1,2030)	1:43:B:PRO:HA	1:45:B:PHE:HB3	20	0.2
(1,2029)	1:43:A:PRO:HA	1:45:A:PHE:HB3	20	0.2
(1,2004)	1:98:B:PRO:HA	1:101:B:LYS:HG3	9	0.2
(1,2003)	1:98:A:PRO:HA	1:101:A:LYS:HG3	9	0.2
(1,1992)	1:60:B:SER:HB2	1:66:B:ARG:HD3	3	0.2
(1,1991)	1:60:A:SER:HB2	1:66:A:ARG:HD3	3	0.2
(1,1976)	1:14:B:SER:HB3	1:18:B:LYS:HE2	7	0.2
(1,1975)	1:14:A:SER:HB3	1:18:A:LYS:HE2	7	0.2
(1,1932)	1:32:B:SER:HA	1:31:B:LYS:HD2	7	0.2
(1,1931)	1:32:A:SER:HA	1:31:A:LYS:HD2	7	0.2
(1,1844)	1:37:B:LEU:HA	1:29:B:LEU:HD13	5	0.2
(1,1843)	1:37:A:LEU:HA	1:29:A:LEU:HD13	5	0.2
(1,1822)	1:7:B:LYS:HA	1:7:B:LYS:HD3	20	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1821)	1:7:A:LYS:HA	1:7:A:LYS:HD3	20	0.2
(1,1784)	1:56:B:GLN:HA	1:56:B:GLN:HG3	17	0.2
(1,1783)	1:56:A:GLN:HA	1:56:A:GLN:HG3	17	0.2
(1,1709)	1:5:A:LEU:HA	1:5:A:LEU:HD13	19	0.2
(1,1682)	1:91:B:GLU:HA	1:89:B:PHE:HA	15	0.2
(1,1572)	1:71:B:ASP:HA	1:70:B:VAL:HG12	6	0.2
(1,1571)	1:71:A:ASP:HA	1:70:A:VAL:HG12	6	0.2
(1,1552)	1:98:B:PRO:HD2	1:101:B:LYS:HG2	20	0.2
(1,1551)	1:98:A:PRO:HD2	1:101:A:LYS:HG2	20	0.2
(1,1520)	1:26:B:LYS:HB3	1:21:B:GLY:HA3	2	0.2
(1,1494)	1:42:B:LEU:HB2	1:42:B:LEU:HD22	15	0.2
(1,1493)	1:42:A:LEU:HB2	1:42:A:LEU:HD22	15	0.2
(1,1448)	1:29:B:LEU:HB2	1:33:B:GLU:HB3	17	0.2
(1,1447)	1:29:A:LEU:HB2	1:33:A:GLU:HB3	17	0.2
(1,1436)	1:99:B:ARG:HD3	1:98:B:PRO:HA	2	0.2
(1,1435)	1:99:A:ARG:HD3	1:98:A:PRO:HA	2	0.2
(1,1412)	1:40:B:ARG:HD2	1:41:B:GLU:H	15	0.2
(1,1411)	1:40:A:ARG:HD2	1:41:A:GLU:H	15	0.2
(1,1345)	1:96:A:LYS:HE2	1:73:B:GLN:HG3	6	0.2
(1,1344)	1:22:B:LYS:HE3	1:33:B:GLU:HG2	4	0.2
(1,1343)	1:22:A:LYS:HE3	1:33:A:GLU:HG2	4	0.2
(1,1278)	1:10:B:ASP:HB3	1:12:B:MET:H	7	0.2
(1,1278)	1:10:B:ASP:HB3	1:12:B:MET:H	8	0.2
(1,1277)	1:10:A:ASP:HB3	1:12:A:MET:H	7	0.2
(1,1277)	1:10:A:ASP:HB3	1:12:A:MET:H	8	0.2
(1,1266)	1:79:B:LEU:HB2	1:9:A:LEU:HD13	8	0.2
(1,1265)	1:79:A:LEU:HB2	1:9:B:LEU:HD12	1	0.2
(1,1265)	1:79:A:LEU:HB2	1:9:B:LEU:HD13	8	0.2
(1,1228)	1:57:B:LYS:HE3	1:56:B:GLN:HA	4	0.2
(1,1228)	1:57:B:LYS:HE2	1:56:B:GLN:HA	16	0.2
(1,1218)	1:57:B:LYS:HE2	1:54:B:ALA:H	6	0.2
(1,1218)	1:57:B:LYS:HE3	1:54:B:ALA:H	7	0.2
(1,1217)	1:57:A:LYS:HE2	1:54:A:ALA:H	6	0.2
(1,1217)	1:57:A:LYS:HE3	1:54:A:ALA:H	7	0.2
(1,1208)	1:61:B:ASN:HB3	1:62:B:LEU:HG	12	0.2
(1,1208)	1:61:B:ASN:HB3	1:62:B:LEU:HG	19	0.2
(1,1207)	1:61:A:ASN:HB3	1:62:A:LEU:HG	6	0.2
(1,1207)	1:61:A:ASN:HB3	1:62:A:LEU:HG	12	0.2
(1,1207)	1:61:A:ASN:HB3	1:62:A:LEU:HG	19	0.2
(1,1203)	1:87:A:ASN:HB3	1:73:B:GLN:HG3	12	0.2
(1,1190)	1:28:B:LYS:HB2	1:26:B:LYS:HA	12	0.2
(1,1189)	1:28:A:LYS:HB2	1:26:A:LYS:HA	12	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1071)	1:52:A:GLU:HB2	1:52:A:GLU:HG3	1	0.2
(1,1070)	1:88:B:GLU:HG3	1:96:B:LYS:HE2	13	0.2
(1,1051)	1:88:A:GLU:HG2	1:73:B:GLN:H	9	0.2
(1,1028)	1:41:B:GLU:HG3	1:37:B:LEU:HG	16	0.2
(1,1027)	1:41:A:GLU:HG3	1:37:A:LEU:HG	16	0.2
(1,969)	1:97:A:GLN:HG2	1:95:A:ASP:HB3	9	0.2
(1,968)	1:97:B:GLN:HG3	1:94:B:PRO:HA	5	0.2
(1,967)	1:97:A:GLN:HG3	1:94:A:PRO:HA	5	0.2
(1,950)	1:12:B:MET:HB2	1:9:A:LEU:HD12	11	0.2
(1,949)	1:12:A:MET:HB2	1:9:B:LEU:HD12	11	0.2
(1,906)	1:31:B:LYS:HB3	1:35:B:LYS:HE3	5	0.2
(1,906)	1:31:B:LYS:HB3	1:35:B:LYS:HE3	8	0.2
(1,905)	1:31:A:LYS:HB3	1:35:A:LYS:HE3	5	0.2
(1,892)	1:31:B:LYS:HB2	1:30:B:ASN:HA	13	0.2
(1,856)	1:26:B:LYS:HB3	1:21:B:GLY:HA2	10	0.2
(1,855)	1:26:A:LYS:HB3	1:21:A:GLY:HA2	10	0.2
(1,837)	1:34:A:LEU:HD22	1:59:A:MET:HB3	3	0.2
(1,802)	1:41:B:GLU:HB2	1:5:A:LEU:HD21	8	0.2
(1,801)	1:41:A:GLU:HB2	1:5:B:LEU:HD21	8	0.2
(1,632)	1:40:B:ARG:HG2	1:41:B:GLU:H	1	0.2
(1,632)	1:40:B:ARG:HG2	1:41:B:GLU:H	3	0.2
(1,632)	1:40:B:ARG:HG2	1:41:B:GLU:H	8	0.2
(1,632)	1:40:B:ARG:HG2	1:41:B:GLU:H	13	0.2
(1,632)	1:40:B:ARG:HG2	1:41:B:GLU:H	17	0.2
(1,631)	1:40:A:ARG:HG2	1:41:A:GLU:H	1	0.2
(1,631)	1:40:A:ARG:HG2	1:41:A:GLU:H	8	0.2
(1,631)	1:40:A:ARG:HG2	1:41:A:GLU:H	13	0.2
(1,631)	1:40:A:ARG:HG2	1:41:A:GLU:H	17	0.2
(1,570)	1:98:B:PRO:HG2	1:98:B:PRO:HG3	1	0.2
(1,570)	1:98:B:PRO:HG2	1:98:B:PRO:HG3	4	0.2
(1,570)	1:98:B:PRO:HG2	1:98:B:PRO:HG3	6	0.2
(1,570)	1:98:B:PRO:HG2	1:98:B:PRO:HG3	7	0.2
(1,570)	1:98:B:PRO:HG2	1:98:B:PRO:HG3	8	0.2
(1,570)	1:98:B:PRO:HG2	1:98:B:PRO:HG3	9	0.2
(1,570)	1:98:B:PRO:HG2	1:98:B:PRO:HG3	12	0.2
(1,570)	1:98:B:PRO:HG2	1:98:B:PRO:HG3	13	0.2
(1,570)	1:98:B:PRO:HG2	1:98:B:PRO:HG3	19	0.2
(1,569)	1:98:A:PRO:HG2	1:98:A:PRO:HG3	1	0.2
(1,569)	1:98:A:PRO:HG2	1:98:A:PRO:HG3	3	0.2
(1,569)	1:98:A:PRO:HG2	1:98:A:PRO:HG3	6	0.2
(1,569)	1:98:A:PRO:HG2	1:98:A:PRO:HG3	7	0.2
(1,569)	1:98:A:PRO:HG2	1:98:A:PRO:HG3	8	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,569)	1:98:A:PRO:HG2	1:98:A:PRO:HG3	9	0.2
(1,569)	1:98:A:PRO:HG2	1:98:A:PRO:HG3	12	0.2
(1,569)	1:98:A:PRO:HG2	1:98:A:PRO:HG3	13	0.2
(1,569)	1:98:A:PRO:HG2	1:98:A:PRO:HG3	19	0.2
(1,569)	1:98:A:PRO:HG2	1:98:A:PRO:HG3	20	0.2
(1,552)	1:99:B:ARG:HG2	1:99:B:ARG:HG3	1	0.2
(1,552)	1:99:B:ARG:HG2	1:99:B:ARG:HG3	3	0.2
(1,552)	1:99:B:ARG:HG2	1:99:B:ARG:HG3	4	0.2
(1,552)	1:99:B:ARG:HG2	1:99:B:ARG:HG3	5	0.2
(1,552)	1:99:B:ARG:HG2	1:99:B:ARG:HG3	7	0.2
(1,552)	1:99:B:ARG:HG2	1:99:B:ARG:HG3	9	0.2
(1,552)	1:99:B:ARG:HG2	1:99:B:ARG:HG3	13	0.2
(1,552)	1:99:B:ARG:HG2	1:99:B:ARG:HG3	19	0.2
(1,551)	1:99:A:ARG:HG2	1:99:A:ARG:HG3	3	0.2
(1,551)	1:99:A:ARG:HG2	1:99:A:ARG:HG3	4	0.2
(1,551)	1:99:A:ARG:HG2	1:99:A:ARG:HG3	5	0.2
(1,551)	1:99:A:ARG:HG2	1:99:A:ARG:HG3	7	0.2
(1,551)	1:99:A:ARG:HG2	1:99:A:ARG:HG3	8	0.2
(1,551)	1:99:A:ARG:HG2	1:99:A:ARG:HG3	9	0.2
(1,551)	1:99:A:ARG:HG2	1:99:A:ARG:HG3	10	0.2
(1,551)	1:99:A:ARG:HG2	1:99:A:ARG:HG3	13	0.2
(1,551)	1:99:A:ARG:HG2	1:99:A:ARG:HG3	16	0.2
(1,551)	1:99:A:ARG:HG2	1:99:A:ARG:HG3	19	0.2
(1,520)	1:42:B:LEU:HG	1:82:B:ILE:HD13	18	0.2
(1,519)	1:42:A:LEU:HG	1:82:A:ILE:HD13	18	0.2
(1,484)	1:42:B:LEU:HD13	1:42:B:LEU:HB3	5	0.2
(1,483)	1:42:A:LEU:HD13	1:42:A:LEU:HB3	5	0.2
(1,458)	1:58:B:LEU:HD22	1:62:B:LEU:HD11	16	0.2
(1,430)	1:5:B:LEU:HD23	1:9:A:LEU:HA	8	0.2
(1,408)	1:46:B:LEU:HD23	1:46:B:LEU:HB3	5	0.2
(1,398)	1:7:B:LYS:HG3	1:7:B:LYS:HA	7	0.2
(1,397)	1:7:A:LYS:HG3	1:7:A:LYS:HA	3	0.2
(1,397)	1:7:A:LYS:HG3	1:7:A:LYS:HA	7	0.2
(1,368)	1:57:B:LYS:HG3	1:57:B:LYS:H	4	0.2
(1,367)	1:57:A:LYS:HG3	1:57:A:LYS:H	4	0.2
(1,366)	1:96:B:LYS:HG2	1:91:B:GLU:H	7	0.2
(1,365)	1:96:A:LYS:HG2	1:91:A:GLU:H	7	0.2
(1,337)	1:58:A:LEU:HD11	1:61:A:ASN:HB3	3	0.2
(1,314)	1:62:B:LEU:HD22	1:58:B:LEU:HD11	2	0.2
(1,314)	1:62:B:LEU:HD21	1:58:B:LEU:HD12	4	0.2
(1,314)	1:62:B:LEU:HD23	1:58:B:LEU:HD13	15	0.2
(1,313)	1:62:A:LEU:HD22	1:58:A:LEU:HD11	2	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,313)	1:62:A:LEU:HD23	1:58:A:LEU:HD13	15	0.2
(1,276)	1:9:B:LEU:HD13	1:79:A:LEU:HD11	14	0.2
(1,262)	1:38:B:LEU:HD13	1:45:B:PHE:HA	8	0.2
(1,261)	1:38:A:LEU:HD13	1:45:A:PHE:HA	8	0.2
(1,234)	1:13:B:VAL:HG22	1:13:B:VAL:HA	15	0.2
(1,233)	1:13:A:VAL:HG22	1:13:A:VAL:HA	15	0.2
(1,224)	1:70:B:VAL:HG22	1:29:B:LEU:H	3	0.2
(1,223)	1:70:A:VAL:HG22	1:29:A:LEU:H	3	0.2
(1,206)	1:34:B:LEU:HD12	1:38:B:LEU:H	3	0.2
(1,206)	1:34:B:LEU:HD12	1:38:B:LEU:H	5	0.2
(1,204)	1:76:B:SER:H	1:77:B:VAL:HG21	8	0.2
(1,204)	1:76:B:SER:H	1:77:B:VAL:HG21	14	0.2
(1,204)	1:76:B:SER:H	1:77:B:VAL:HG21	16	0.2
(1,204)	1:76:B:SER:H	1:77:B:VAL:HG23	19	0.2
(1,203)	1:76:A:SER:H	1:77:A:VAL:HG22	3	0.2
(1,203)	1:76:A:SER:H	1:77:A:VAL:HG21	8	0.2
(1,189)	1:16:A:PHE:H	1:79:A:LEU:HD13	18	0.2
(1,114)	1:2:B:ALA:HB1	1:6:B:GLU:HA	13	0.2
(1,114)	1:2:B:ALA:HB3	1:6:B:GLU:HA	16	0.2
(1,113)	1:2:A:ALA:HB1	1:6:A:GLU:HA	13	0.2
(1,113)	1:2:A:ALA:HB3	1:6:A:GLU:HA	16	0.2
(1,94)	1:54:B:ALA:HB2	1:46:B:LEU:HB3	12	0.2
(1,93)	1:54:A:ALA:HB2	1:46:A:LEU:HB3	12	0.2
(1,76)	1:53:B:ALA:HB3	1:51:B:ASP:HA	4	0.2
(1,76)	1:53:B:ALA:HB2	1:51:B:ASP:HA	16	0.2
(1,75)	1:53:A:ALA:HB3	1:51:A:ASP:HA	4	0.2
(1,57)	1:82:A:ILE:HG22	1:85:A:MET:HG3	17	0.2
(1,12)	1:5:B:LEU:HD22	1:42:A:LEU:HG	2	0.2
(1,11)	1:5:A:LEU:HD22	1:42:B:LEU:HG	13	0.2
(3,138)	1:48:B:LYS:H	1:44:B:SER:O	9	0.19
(3,138)	1:48:B:LYS:H	1:44:B:SER:O	13	0.19
(3,138)	1:48:B:LYS:H	1:44:B:SER:O	17	0.19
(3,138)	1:48:B:LYS:H	1:44:B:SER:O	18	0.19
(3,118)	1:19:B:TYR:H	1:15:B:THR:O	9	0.19
(3,118)	1:19:B:TYR:H	1:15:B:THR:O	20	0.19
(3,108)	1:14:B:SER:H	1:10:B:ASP:O	18	0.19
(3,100)	1:10:B:ASP:H	1:6:B:GLU:O	9	0.19
(3,46)	1:48:A:LYS:H	1:44:A:SER:O	13	0.19
(3,46)	1:48:A:LYS:H	1:44:A:SER:O	14	0.19
(3,26)	1:19:A:TYR:H	1:15:A:THR:O	9	0.19
(3,16)	1:14:A:SER:H	1:10:A:ASP:O	9	0.19
(3,16)	1:14:A:SER:H	1:10:A:ASP:O	18	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,8)	1:10:A:ASP:H	1:6:A:GLU:O	9	0.19
(2,228)	1:9:B:LEU:H	1:5:B:LEU:HB2	14	0.19
(2,227)	1:9:A:LEU:H	1:5:A:LEU:HB2	14	0.19
(2,152)	1:14:B:SER:HA	1:16:B:PHE:HA	10	0.19
(2,152)	1:14:B:SER:HA	1:16:B:PHE:HA	12	0.19
(2,152)	1:14:B:SER:HA	1:16:B:PHE:HA	15	0.19
(2,152)	1:14:B:SER:HA	1:16:B:PHE:HA	20	0.19
(2,151)	1:14:A:SER:HA	1:16:A:PHE:HA	12	0.19
(2,151)	1:14:A:SER:HA	1:16:A:PHE:HA	20	0.19
(2,90)	1:61:B:ASN:HA	1:66:B:ARG:HD2	12	0.19
(2,89)	1:61:A:ASN:HA	1:66:A:ARG:HD2	12	0.19
(2,50)	1:69:B:GLU:HB2	1:30:B:ASN:HB2	9	0.19
(2,49)	1:69:A:GLU:HB2	1:30:A:ASN:HB2	6	0.19
(2,46)	1:59:B:MET:HG3	1:66:B:ARG:HD2	16	0.19
(2,45)	1:59:A:MET:HG3	1:66:A:ARG:HD2	16	0.19
(2,4)	1:35:B:LYS:HG2	1:36:B:GLU:HA	15	0.19
(2,3)	1:35:A:LYS:HG2	1:36:A:GLU:HA	15	0.19
(1,4608)	1:81:B:SER:H	1:76:B:SER:H	13	0.19
(1,4608)	1:81:B:SER:H	1:76:B:SER:H	19	0.19
(1,4607)	1:81:A:SER:H	1:76:A:SER:H	13	0.19
(1,4607)	1:81:A:SER:H	1:76:A:SER:H	19	0.19
(1,4590)	1:62:B:LEU:H	1:59:B:MET:H	9	0.19
(1,4590)	1:62:B:LEU:H	1:59:B:MET:H	10	0.19
(1,4589)	1:62:A:LEU:H	1:59:A:MET:H	9	0.19
(1,4589)	1:62:A:LEU:H	1:59:A:MET:H	10	0.19
(1,4588)	1:64:B:SER:H	1:63:B:ASP:H	19	0.19
(1,4578)	1:39:B:THR:H	1:36:B:GLU:HG3	2	0.19
(1,4578)	1:39:B:THR:H	1:36:B:GLU:HG3	14	0.19
(1,4567)	1:30:A:ASN:HD22	1:69:A:GLU:HG2	13	0.19
(1,4544)	1:97:B:GLN:HE21	1:98:B:PRO:HD3	11	0.19
(1,4475)	1:86:A:SER:H	1:13:B:VAL:HG21	1	0.19
(1,4473)	1:85:A:MET:H	1:83:A:ALA:HB1	20	0.19
(1,4464)	1:31:B:LYS:H	1:34:B:LEU:HD22	19	0.19
(1,4462)	1:31:B:LYS:H	1:59:B:MET:HG3	19	0.19
(1,4460)	1:68:B:ASN:H	1:70:B:VAL:HG22	14	0.19
(1,4438)	1:38:B:LEU:H	1:37:B:LEU:HG	7	0.19
(1,4437)	1:38:A:LEU:H	1:37:A:LEU:HG	7	0.19
(1,4424)	1:35:B:LYS:H	1:29:B:LEU:HD11	10	0.19
(1,4418)	1:35:B:LYS:H	1:36:B:GLU:HG3	10	0.19
(1,4418)	1:35:B:LYS:H	1:36:B:GLU:HG3	13	0.19
(1,4417)	1:35:A:LYS:H	1:36:A:GLU:HG3	10	0.19
(1,4408)	1:61:B:ASN:H	1:62:B:LEU:HG	1	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4372)	1:95:B:ASP:H	1:91:B:GLU:HG3	11	0.19
(1,4370)	1:95:B:ASP:H	1:27:A:PHE:HB2	11	0.19
(1,4369)	1:95:A:ASP:H	1:27:B:PHE:HB2	11	0.19
(1,4346)	1:16:B:PHE:H	1:2:A:ALA:HB1	7	0.19
(1,4345)	1:16:A:PHE:H	1:2:B:ALA:HB1	7	0.19
(1,4198)	1:50:B:THR:HB	1:39:B:THR:H	10	0.19
(1,4197)	1:50:A:THR:HB	1:39:A:THR:H	10	0.19
(1,4164)	1:14:B:SER:HB3	1:18:B:LYS:HD3	2	0.19
(1,4164)	1:14:B:SER:HB3	1:18:B:LYS:HD3	3	0.19
(1,4163)	1:14:A:SER:HB3	1:18:A:LYS:HD3	3	0.19
(1,4156)	1:16:B:PHE:HA	1:20:B:SER:HA	19	0.19
(1,4155)	1:16:A:PHE:HA	1:20:A:SER:HA	19	0.19
(1,4152)	1:55:B:PHE:HA	1:58:B:LEU:HD23	11	0.19
(1,4151)	1:55:A:PHE:HA	1:58:A:LEU:HD23	11	0.19
(1,4148)	1:16:B:PHE:HA	1:20:B:SER:HB3	1	0.19
(1,4147)	1:16:A:PHE:HA	1:20:A:SER:HB3	1	0.19
(1,4136)	1:20:B:SER:HB3	1:29:B:LEU:HB2	18	0.19
(1,4135)	1:20:A:SER:HB3	1:29:A:LEU:HB2	18	0.19
(1,4134)	1:70:B:VAL:HA	1:62:B:LEU:HB3	5	0.19
(1,4134)	1:70:B:VAL:HA	1:62:B:LEU:HB3	15	0.19
(1,4134)	1:70:B:VAL:HA	1:62:B:LEU:HB3	16	0.19
(1,4134)	1:70:B:VAL:HA	1:62:B:LEU:HB3	20	0.19
(1,4133)	1:70:A:VAL:HA	1:62:A:LEU:HB3	5	0.19
(1,4133)	1:70:A:VAL:HA	1:62:A:LEU:HB3	16	0.19
(1,4094)	1:77:B:VAL:HG22	1:74:B:GLU:HA	1	0.19
(1,4093)	1:77:A:VAL:HG22	1:74:A:GLU:HA	1	0.19
(1,4084)	1:74:B:GLU:HA	1:78:B:PHE:HA	15	0.19
(1,4083)	1:74:A:GLU:HA	1:78:A:PHE:HA	15	0.19
(1,4061)	1:10:A:ASP:HA	1:82:B:ILE:HB	12	0.19
(1,4050)	1:62:B:LEU:HA	1:61:B:ASN:HA	11	0.19
(1,4050)	1:62:B:LEU:HA	1:61:B:ASN:HA	16	0.19
(1,4050)	1:62:B:LEU:HA	1:61:B:ASN:HA	20	0.19
(1,4049)	1:62:A:LEU:HA	1:61:A:ASN:HA	6	0.19
(1,4049)	1:62:A:LEU:HA	1:61:A:ASN:HA	11	0.19
(1,4049)	1:62:A:LEU:HA	1:61:A:ASN:HA	13	0.19
(1,4049)	1:62:A:LEU:HA	1:61:A:ASN:HA	16	0.19
(1,4049)	1:62:A:LEU:HA	1:61:A:ASN:HA	20	0.19
(1,3994)	1:42:B:LEU:HA	1:45:B:PHE:HA	2	0.19
(1,3994)	1:42:B:LEU:HA	1:45:B:PHE:HA	15	0.19
(1,3993)	1:42:A:LEU:HA	1:45:A:PHE:HA	2	0.19
(1,3972)	1:2:B:ALA:HA	1:11:A:VAL:HG13	5	0.19
(1,3971)	1:2:A:ALA:HA	1:11:B:VAL:HG13	5	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3966)	1:2:B:ALA:HA	1:6:B:GLU:HA	4	0.19
(1,3966)	1:2:B:ALA:HA	1:6:B:GLU:HA	12	0.19
(1,3965)	1:2:A:ALA:HA	1:6:A:GLU:HA	12	0.19
(1,3878)	1:31:B:LYS:HE3	1:59:B:MET:HG2	15	0.19
(1,3877)	1:31:A:LYS:HE3	1:59:A:MET:HG2	15	0.19
(1,3877)	1:31:A:LYS:HE3	1:59:A:MET:HG2	19	0.19
(1,3858)	1:7:B:LYS:HE3	1:44:A:SER:HA	14	0.19
(1,3857)	1:7:A:LYS:HE3	1:44:B:SER:HA	14	0.19
(1,3850)	1:9:B:LEU:HB3	1:79:A:LEU:HD13	20	0.19
(1,3849)	1:9:A:LEU:HB3	1:79:B:LEU:HD13	12	0.19
(1,3849)	1:9:A:LEU:HB3	1:79:B:LEU:HD13	20	0.19
(1,3847)	1:9:A:LEU:HB2	1:79:B:LEU:HD13	15	0.19
(1,3814)	1:28:B:LYS:HB3	1:70:B:VAL:HG22	7	0.19
(1,3813)	1:28:A:LYS:HB3	1:70:A:VAL:HG22	7	0.19
(1,3788)	1:55:B:PHE:HB2	1:35:B:LYS:HB2	9	0.19
(1,3787)	1:55:A:PHE:HB2	1:35:A:LYS:HB2	9	0.19
(1,3724)	1:69:B:GLU:HG2	1:29:B:LEU:HA	8	0.19
(1,3722)	1:52:B:GLU:HG2	1:52:B:GLU:HG3	2	0.19
(1,3722)	1:52:B:GLU:HG2	1:52:B:GLU:HG3	4	0.19
(1,3722)	1:52:B:GLU:HG2	1:52:B:GLU:HG3	12	0.19
(1,3722)	1:52:B:GLU:HG2	1:52:B:GLU:HG3	13	0.19
(1,3722)	1:52:B:GLU:HG2	1:52:B:GLU:HG3	14	0.19
(1,3722)	1:52:B:GLU:HG2	1:52:B:GLU:HG3	17	0.19
(1,3722)	1:52:B:GLU:HG2	1:52:B:GLU:HG3	19	0.19
(1,3721)	1:52:A:GLU:HG2	1:52:A:GLU:HG3	4	0.19
(1,3721)	1:52:A:GLU:HG2	1:52:A:GLU:HG3	5	0.19
(1,3721)	1:52:A:GLU:HG2	1:52:A:GLU:HG3	8	0.19
(1,3721)	1:52:A:GLU:HG2	1:52:A:GLU:HG3	12	0.19
(1,3721)	1:52:A:GLU:HG2	1:52:A:GLU:HG3	13	0.19
(1,3721)	1:52:A:GLU:HG2	1:52:A:GLU:HG3	14	0.19
(1,3721)	1:52:A:GLU:HG2	1:52:A:GLU:HG3	19	0.19
(1,3702)	1:56:B:GLN:HG3	1:57:B:LYS:HB2	16	0.19
(1,3697)	1:56:A:GLN:HG2	1:57:A:LYS:HE2	9	0.19
(1,3685)	1:97:A:GLN:HG3	1:98:A:PRO:HD2	20	0.19
(1,3660)	1:31:B:LYS:HB2	1:31:B:LYS:HG3	8	0.19
(1,3659)	1:31:A:LYS:HB2	1:31:A:LYS:HG3	8	0.19
(1,3654)	1:85:B:MET:HG2	1:82:B:ILE:HG12	2	0.19
(1,3654)	1:85:B:MET:HG2	1:82:B:ILE:HG12	18	0.19
(1,3653)	1:85:A:MET:HG2	1:82:A:ILE:HG12	2	0.19
(1,3653)	1:85:A:MET:HG2	1:82:A:ILE:HG12	18	0.19
(1,3636)	1:33:B:GLU:HB3	1:34:B:LEU:HB2	11	0.19
(1,3624)	1:43:B:PRO:HB3	1:47:B:GLY:HA3	6	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3623)	1:43:A:PRO:HB3	1:47:A:GLY:HA3	6	0.19
(1,3606)	1:28:B:LYS:HD3	1:67:B:ASP:HB2	3	0.19
(1,3599)	1:31:A:LYS:HD2	1:32:A:SER:HB2	12	0.19
(1,3584)	1:7:B:LYS:HD3	1:7:B:LYS:HB3	2	0.19
(1,3583)	1:7:A:LYS:HD3	1:7:A:LYS:HB3	2	0.19
(1,3583)	1:7:A:LYS:HD2	1:7:A:LYS:HB3	8	0.19
(1,3578)	1:7:B:LYS:HD3	1:7:B:LYS:HE2	6	0.19
(1,3578)	1:7:B:LYS:HD3	1:7:B:LYS:HE2	8	0.19
(1,3577)	1:7:A:LYS:HD3	1:7:A:LYS:HE2	6	0.19
(1,3577)	1:7:A:LYS:HD3	1:7:A:LYS:HE2	8	0.19
(1,3548)	1:37:B:LEU:HD21	1:37:B:LEU:HA	4	0.19
(1,3548)	1:37:B:LEU:HD23	1:37:B:LEU:HA	18	0.19
(1,3547)	1:37:A:LEU:HD21	1:37:A:LEU:HA	4	0.19
(1,3547)	1:37:A:LEU:HD23	1:37:A:LEU:HA	18	0.19
(1,3542)	1:37:B:LEU:HD11	1:17:B:HIS:HA	5	0.19
(1,3541)	1:37:A:LEU:HD11	1:17:A:HIS:HA	5	0.19
(1,3492)	1:81:B:SER:H	1:79:B:LEU:HD23	20	0.19
(1,3491)	1:81:A:SER:H	1:79:A:LEU:HD23	20	0.19
(1,3490)	1:34:B:LEU:HD22	1:35:B:LYS:H	7	0.19
(1,3489)	1:34:A:LEU:HD22	1:35:A:LYS:H	7	0.19
(1,3475)	1:46:A:LEU:HD22	1:45:A:PHE:HB3	1	0.19
(1,3392)	1:68:B:ASN:HD21	1:70:B:VAL:HG22	14	0.19
(1,3391)	1:68:A:ASN:HD21	1:70:A:VAL:HG22	14	0.19
(1,3384)	1:14:B:SER:H	1:13:B:VAL:HG23	18	0.19
(1,3383)	1:14:A:SER:H	1:13:A:VAL:HG23	18	0.19
(1,3375)	1:50:A:THR:HG22	1:35:A:LYS:HB3	10	0.19
(1,3366)	1:39:B:THR:HG22	1:38:B:LEU:HD23	12	0.19
(1,3258)	1:73:B:GLN:H	1:87:A:ASN:HD21	3	0.19
(1,3238)	1:99:B:ARG:H	1:99:B:ARG:HB2	10	0.19
(1,3237)	1:99:A:ARG:H	1:99:A:ARG:HB2	10	0.19
(1,3213)	1:47:A:GLY:H	1:82:A:ILE:HD13	12	0.19
(1,3190)	1:39:B:THR:H	1:29:B:LEU:HD13	5	0.19
(1,3189)	1:39:A:THR:H	1:29:A:LEU:HD13	5	0.19
(1,3171)	1:30:A:ASN:HD22	1:22:A:LYS:HE3	14	0.19
(1,3083)	1:65:A:ASN:HD22	1:67:A:ASP:HB2	6	0.19
(1,3066)	1:60:B:SER:H	1:66:B:ARG:HD2	3	0.19
(1,3065)	1:60:A:SER:H	1:66:A:ARG:HD2	3	0.19
(1,2870)	1:14:B:SER:H	1:16:B:PHE:HB3	17	0.19
(1,2869)	1:14:A:SER:H	1:16:A:PHE:HB3	17	0.19
(1,2774)	1:59:B:MET:H	1:62:B:LEU:HD13	3	0.19
(1,2752)	1:34:B:LEU:H	1:29:B:LEU:HD13	1	0.19
(1,2752)	1:34:B:LEU:H	1:29:B:LEU:HD13	8	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2735)	1:46:A:LEU:H	1:82:A:ILE:HD11	5	0.19
(1,2712)	1:15:B:THR:H	1:2:A:ALA:HB3	13	0.19
(1,2679)	1:7:A:LYS:H	1:7:A:LYS:HG3	2	0.19
(1,2632)	1:95:B:ASP:H	1:97:B:GLN:HE22	3	0.19
(1,2631)	1:95:A:ASP:H	1:97:A:GLN:HE22	3	0.19
(1,2547)	1:93:A:PHE:H	1:91:A:GLU:HG3	8	0.19
(1,2546)	1:93:B:PHE:H	1:96:B:LYS:HE3	11	0.19
(1,2545)	1:93:A:PHE:H	1:96:A:LYS:HE3	11	0.19
(1,2494)	1:97:B:GLN:H	1:96:B:LYS:H	1	0.19
(1,2493)	1:97:A:GLN:H	1:96:A:LYS:H	1	0.19
(1,2493)	1:97:A:GLN:H	1:96:A:LYS:H	2	0.19
(1,2479)	1:87:A:ASN:H	1:13:B:VAL:HG13	20	0.19
(1,2477)	1:87:A:ASN:H	1:13:B:VAL:HG22	4	0.19
(1,2477)	1:87:A:ASN:H	1:13:B:VAL:HG21	17	0.19
(1,2439)	1:97:A:GLN:H	1:95:A:ASP:HB3	19	0.19
(1,2356)	1:54:B:ALA:H	1:46:B:LEU:HD11	16	0.19
(1,2355)	1:54:A:ALA:H	1:46:A:LEU:HD11	16	0.19
(1,2324)	1:78:B:PHE:H	1:82:B:ILE:HD12	15	0.19
(1,2233)	1:33:A:GLU:H	1:22:A:LYS:HE3	1	0.19
(1,2166)	1:70:B:VAL:H	1:69:B:GLU:HB2	5	0.19
(1,2165)	1:70:A:VAL:H	1:69:A:GLU:HB2	5	0.19
(1,2162)	1:70:B:VAL:H	1:31:B:LYS:HA	14	0.19
(1,2162)	1:70:B:VAL:H	1:31:B:LYS:HA	16	0.19
(1,2161)	1:70:A:VAL:H	1:31:A:LYS:HA	16	0.19
(1,2138)	1:29:B:LEU:H	1:73:B:GLN:H	3	0.19
(1,2138)	1:29:B:LEU:H	1:73:B:GLN:H	9	0.19
(1,2137)	1:29:A:LEU:H	1:73:A:GLN:H	3	0.19
(1,2137)	1:29:A:LEU:H	1:73:A:GLN:H	9	0.19
(1,2109)	1:71:A:ASP:H	1:74:A:GLU:HG3	13	0.19
(1,2090)	1:26:B:LYS:H	1:28:B:LYS:HA	11	0.19
(1,2089)	1:26:A:LYS:H	1:28:A:LYS:HA	11	0.19
(1,2086)	1:39:B:THR:HB	1:40:B:ARG:HD2	5	0.19
(1,2085)	1:39:A:THR:HB	1:40:A:ARG:HD2	5	0.19
(1,2056)	1:77:B:VAL:HA	1:73:B:GLN:HG2	8	0.19
(1,2055)	1:77:A:VAL:HA	1:73:A:GLN:HG2	8	0.19
(1,2036)	1:43:B:PRO:HA	1:7:A:LYS:HD2	11	0.19
(1,2035)	1:43:A:PRO:HA	1:7:B:LYS:HD2	11	0.19
(1,2035)	1:43:A:PRO:HA	1:7:B:LYS:HD2	15	0.19
(1,2012)	1:94:B:PRO:HA	1:95:B:ASP:HB2	7	0.19
(1,2011)	1:94:A:PRO:HA	1:95:A:ASP:HB2	7	0.19
(1,1992)	1:60:B:SER:HB2	1:66:B:ARG:HD3	17	0.19
(1,1842)	1:37:B:LEU:HD21	1:37:B:LEU:HA	4	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1842)	1:37:B:LEU:HD23	1:37:B:LEU:HA	18	0.19
(1,1841)	1:37:A:LEU:HD21	1:37:A:LEU:HA	4	0.19
(1,1841)	1:37:A:LEU:HD23	1:37:A:LEU:HA	18	0.19
(1,1834)	1:37:B:LEU:HA	1:41:B:GLU:HG3	20	0.19
(1,1833)	1:37:A:LEU:HA	1:41:A:GLU:HG3	20	0.19
(1,1822)	1:7:B:LYS:HA	1:7:B:LYS:HD3	11	0.19
(1,1821)	1:7:A:LYS:HA	1:7:A:LYS:HD3	15	0.19
(1,1710)	1:5:B:LEU:HA	1:5:B:LEU:HD11	15	0.19
(1,1710)	1:5:B:LEU:HA	1:5:B:LEU:HD13	19	0.19
(1,1709)	1:5:A:LEU:HA	1:5:A:LEU:HD11	15	0.19
(1,1682)	1:91:B:GLU:HA	1:89:B:PHE:HA	8	0.19
(1,1681)	1:91:A:GLU:HA	1:89:A:PHE:HA	8	0.19
(1,1681)	1:91:A:GLU:HA	1:89:A:PHE:HA	15	0.19
(1,1520)	1:26:B:LYS:HB3	1:21:B:GLY:HA3	20	0.19
(1,1519)	1:26:A:LYS:HB3	1:21:A:GLY:HA3	20	0.19
(1,1494)	1:42:B:LEU:HB2	1:42:B:LEU:HD21	11	0.19
(1,1493)	1:42:A:LEU:HB2	1:42:A:LEU:HD21	11	0.19
(1,1480)	1:42:B:LEU:HB2	1:45:B:PHE:HA	12	0.19
(1,1479)	1:42:A:LEU:HB2	1:45:A:PHE:HA	12	0.19
(1,1451)	1:29:A:LEU:HB2	1:37:A:LEU:HB3	7	0.19
(1,1448)	1:29:B:LEU:HB2	1:33:B:GLU:HB3	13	0.19
(1,1447)	1:29:A:LEU:HB2	1:33:A:GLU:HB3	13	0.19
(1,1412)	1:40:B:ARG:HD2	1:41:B:GLU:H	5	0.19
(1,1411)	1:40:A:ARG:HD2	1:41:A:GLU:H	5	0.19
(1,1346)	1:96:B:LYS:HE2	1:73:A:GLN:HG3	6	0.19
(1,1345)	1:96:A:LYS:HE2	1:73:B:GLN:HG3	19	0.19
(1,1336)	1:26:B:LYS:HE2	1:17:B:HIS:HB3	12	0.19
(1,1335)	1:26:A:LYS:HE2	1:17:A:HIS:HB3	12	0.19
(1,1314)	1:58:B:LEU:HB3	1:62:B:LEU:HD11	16	0.19
(1,1313)	1:58:A:LEU:HB3	1:62:A:LEU:HD11	16	0.19
(1,1278)	1:10:B:ASP:HB3	1:12:B:MET:H	1	0.19
(1,1278)	1:10:B:ASP:HB3	1:12:B:MET:H	4	0.19
(1,1278)	1:10:B:ASP:HB3	1:12:B:MET:H	6	0.19
(1,1277)	1:10:A:ASP:HB3	1:12:A:MET:H	1	0.19
(1,1268)	1:19:B:TYR:HB3	1:29:B:LEU:HD11	15	0.19
(1,1267)	1:19:A:TYR:HB3	1:29:A:LEU:HD11	15	0.19
(1,1256)	1:28:B:LYS:HB3	1:70:B:VAL:HG22	11	0.19
(1,1255)	1:28:A:LYS:HB3	1:70:A:VAL:HG22	11	0.19
(1,1218)	1:57:B:LYS:HE3	1:54:B:ALA:H	8	0.19
(1,1217)	1:57:A:LYS:HE3	1:54:A:ALA:H	8	0.19
(1,1208)	1:61:B:ASN:HB3	1:62:B:LEU:HG	4	0.19
(1,1208)	1:61:B:ASN:HB3	1:62:B:LEU:HG	6	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1208)	1:61:B:ASN:HB3	1:62:B:LEU:HG	11	0.19
(1,1207)	1:61:A:ASN:HB3	1:62:A:LEU:HG	4	0.19
(1,1207)	1:61:A:ASN:HB3	1:62:A:LEU:HG	11	0.19
(1,1190)	1:28:B:LYS:HB2	1:26:B:LYS:HA	20	0.19
(1,1189)	1:28:A:LYS:HB2	1:26:A:LYS:HA	20	0.19
(1,1122)	1:70:B:VAL:HG12	1:74:B:GLU:HG2	10	0.19
(1,1122)	1:70:B:VAL:HG13	1:74:B:GLU:HG2	12	0.19
(1,1121)	1:70:A:VAL:HG12	1:74:A:GLU:HG2	10	0.19
(1,1121)	1:70:A:VAL:HG13	1:74:A:GLU:HG2	12	0.19
(1,1120)	1:70:B:VAL:HG11	1:74:B:GLU:HG3	5	0.19
(1,1119)	1:70:A:VAL:HG11	1:74:A:GLU:HG3	5	0.19
(1,1054)	1:52:B:GLU:HG3	1:51:B:ASP:H	17	0.19
(1,1052)	1:88:B:GLU:HG2	1:73:A:GLN:H	11	0.19
(1,1051)	1:88:A:GLU:HG2	1:73:B:GLN:H	11	0.19
(1,1028)	1:41:B:GLU:HG3	1:37:B:LEU:HG	12	0.19
(1,1027)	1:41:A:GLU:HG3	1:37:A:LEU:HG	5	0.19
(1,1004)	1:56:B:GLN:HB3	1:56:B:GLN:HG2	13	0.19
(1,1004)	1:56:B:GLN:HB2	1:56:B:GLN:HG2	17	0.19
(1,1003)	1:56:A:GLN:HB3	1:56:A:GLN:HG2	13	0.19
(1,1003)	1:56:A:GLN:HB3	1:56:A:GLN:HG2	17	0.19
(1,944)	1:59:B:MET:HG3	1:31:B:LYS:HE2	10	0.19
(1,943)	1:59:A:MET:HG3	1:31:A:LYS:HE2	10	0.19
(1,891)	1:31:A:LYS:HB2	1:30:A:ASN:HA	15	0.19
(1,838)	1:34:B:LEU:HD22	1:59:B:MET:HB3	3	0.19
(1,838)	1:34:B:LEU:HD22	1:59:B:MET:HB3	8	0.19
(1,837)	1:34:A:LEU:HD22	1:59:A:MET:HB3	8	0.19
(1,802)	1:41:B:GLU:HB2	1:5:A:LEU:HD22	2	0.19
(1,801)	1:41:A:GLU:HB2	1:5:B:LEU:HD22	2	0.19
(1,778)	1:6:B:GLU:HB3	1:7:B:LYS:HE2	10	0.19
(1,778)	1:6:B:GLU:HB3	1:7:B:LYS:HE3	13	0.19
(1,777)	1:6:A:GLU:HB3	1:7:A:LYS:HE2	10	0.19
(1,777)	1:6:A:GLU:HB3	1:7:A:LYS:HE3	13	0.19
(1,700)	1:57:B:LYS:HD3	1:56:B:GLN:HB3	13	0.19
(1,699)	1:57:A:LYS:HD3	1:56:A:GLN:HB3	13	0.19
(1,660)	1:37:B:LEU:HG	1:41:B:GLU:HB2	7	0.19
(1,659)	1:37:A:LEU:HG	1:41:A:GLU:HB2	7	0.19
(1,631)	1:40:A:ARG:HG2	1:41:A:GLU:H	6	0.19
(1,600)	1:37:B:LEU:HD21	1:34:B:LEU:HA	3	0.19
(1,599)	1:37:A:LEU:HD21	1:34:A:LEU:HA	3	0.19
(1,580)	1:29:B:LEU:HD22	1:70:B:VAL:H	13	0.19
(1,580)	1:29:B:LEU:HD22	1:70:B:VAL:H	15	0.19
(1,579)	1:29:A:LEU:HD22	1:70:A:VAL:H	15	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,570)	1:98:B:PRO:HG2	1:98:B:PRO:HG3	2	0.19
(1,570)	1:98:B:PRO:HG2	1:98:B:PRO:HG3	3	0.19
(1,570)	1:98:B:PRO:HG2	1:98:B:PRO:HG3	5	0.19
(1,570)	1:98:B:PRO:HG2	1:98:B:PRO:HG3	10	0.19
(1,570)	1:98:B:PRO:HG2	1:98:B:PRO:HG3	11	0.19
(1,570)	1:98:B:PRO:HG2	1:98:B:PRO:HG3	14	0.19
(1,570)	1:98:B:PRO:HG2	1:98:B:PRO:HG3	15	0.19
(1,570)	1:98:B:PRO:HG2	1:98:B:PRO:HG3	16	0.19
(1,570)	1:98:B:PRO:HG2	1:98:B:PRO:HG3	17	0.19
(1,570)	1:98:B:PRO:HG2	1:98:B:PRO:HG3	18	0.19
(1,570)	1:98:B:PRO:HG2	1:98:B:PRO:HG3	20	0.19
(1,569)	1:98:A:PRO:HG2	1:98:A:PRO:HG3	2	0.19
(1,569)	1:98:A:PRO:HG2	1:98:A:PRO:HG3	4	0.19
(1,569)	1:98:A:PRO:HG2	1:98:A:PRO:HG3	5	0.19
(1,569)	1:98:A:PRO:HG2	1:98:A:PRO:HG3	10	0.19
(1,569)	1:98:A:PRO:HG2	1:98:A:PRO:HG3	11	0.19
(1,569)	1:98:A:PRO:HG2	1:98:A:PRO:HG3	14	0.19
(1,569)	1:98:A:PRO:HG2	1:98:A:PRO:HG3	15	0.19
(1,569)	1:98:A:PRO:HG2	1:98:A:PRO:HG3	16	0.19
(1,569)	1:98:A:PRO:HG2	1:98:A:PRO:HG3	17	0.19
(1,569)	1:98:A:PRO:HG2	1:98:A:PRO:HG3	18	0.19
(1,562)	1:9:B:LEU:HG	1:10:B:ASP:HB2	15	0.19
(1,552)	1:99:B:ARG:HG2	1:99:B:ARG:HG3	2	0.19
(1,552)	1:99:B:ARG:HG2	1:99:B:ARG:HG3	6	0.19
(1,552)	1:99:B:ARG:HG2	1:99:B:ARG:HG3	8	0.19
(1,552)	1:99:B:ARG:HG2	1:99:B:ARG:HG3	10	0.19
(1,552)	1:99:B:ARG:HG2	1:99:B:ARG:HG3	11	0.19
(1,552)	1:99:B:ARG:HG2	1:99:B:ARG:HG3	12	0.19
(1,552)	1:99:B:ARG:HG2	1:99:B:ARG:HG3	14	0.19
(1,552)	1:99:B:ARG:HG2	1:99:B:ARG:HG3	15	0.19
(1,552)	1:99:B:ARG:HG2	1:99:B:ARG:HG3	16	0.19
(1,552)	1:99:B:ARG:HG2	1:99:B:ARG:HG3	17	0.19
(1,552)	1:99:B:ARG:HG2	1:99:B:ARG:HG3	18	0.19
(1,552)	1:99:B:ARG:HG2	1:99:B:ARG:HG3	20	0.19
(1,551)	1:99:A:ARG:HG2	1:99:A:ARG:HG3	1	0.19
(1,551)	1:99:A:ARG:HG2	1:99:A:ARG:HG3	2	0.19
(1,551)	1:99:A:ARG:HG2	1:99:A:ARG:HG3	6	0.19
(1,551)	1:99:A:ARG:HG2	1:99:A:ARG:HG3	11	0.19
(1,551)	1:99:A:ARG:HG2	1:99:A:ARG:HG3	12	0.19
(1,551)	1:99:A:ARG:HG2	1:99:A:ARG:HG3	14	0.19
(1,551)	1:99:A:ARG:HG2	1:99:A:ARG:HG3	15	0.19
(1,551)	1:99:A:ARG:HG2	1:99:A:ARG:HG3	17	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,551)	1:99:A:ARG:HG2	1:99:A:ARG:HG3	18	0.19
(1,551)	1:99:A:ARG:HG2	1:99:A:ARG:HG3	20	0.19
(1,536)	1:38:B:LEU:HD21	1:82:B:ILE:HD13	14	0.19
(1,535)	1:38:A:LEU:HD21	1:82:A:ILE:HD13	14	0.19
(1,457)	1:58:A:LEU:HD22	1:62:A:LEU:HD11	16	0.19
(1,408)	1:46:B:LEU:HD23	1:46:B:LEU:HB3	3	0.19
(1,407)	1:46:A:LEU:HD23	1:46:A:LEU:HB3	3	0.19
(1,407)	1:46:A:LEU:HD22	1:46:A:LEU:HB3	11	0.19
(1,398)	1:7:B:LYS:HG3	1:7:B:LYS:HA	2	0.19
(1,398)	1:7:B:LYS:HG3	1:7:B:LYS:HA	3	0.19
(1,398)	1:7:B:LYS:HG3	1:7:B:LYS:HA	10	0.19
(1,397)	1:7:A:LYS:HG3	1:7:A:LYS:HA	2	0.19
(1,397)	1:7:A:LYS:HG3	1:7:A:LYS:HA	10	0.19
(1,368)	1:57:B:LYS:HG3	1:57:B:LYS:H	8	0.19
(1,367)	1:57:A:LYS:HG3	1:57:A:LYS:H	8	0.19
(1,338)	1:58:B:LEU:HD11	1:61:B:ASN:HB3	3	0.19
(1,338)	1:58:B:LEU:HD11	1:61:B:ASN:HB3	7	0.19
(1,337)	1:58:A:LEU:HD11	1:61:A:ASN:HB3	7	0.19
(1,318)	1:62:B:LEU:HD21	1:82:B:ILE:HD11	20	0.19
(1,314)	1:62:B:LEU:HD22	1:58:B:LEU:HD12	10	0.19
(1,313)	1:62:A:LEU:HD22	1:58:A:LEU:HD12	10	0.19
(1,268)	1:9:B:LEU:HD12	1:12:A:MET:HB2	4	0.19
(1,267)	1:9:A:LEU:HD12	1:12:B:MET:HB2	4	0.19
(1,224)	1:70:B:VAL:HG22	1:29:B:LEU:H	14	0.19
(1,223)	1:70:A:VAL:HG22	1:29:A:LEU:H	4	0.19
(1,223)	1:70:A:VAL:HG22	1:29:A:LEU:H	14	0.19
(1,206)	1:34:B:LEU:HD13	1:38:B:LEU:H	8	0.19
(1,190)	1:16:B:PHE:H	1:79:B:LEU:HD13	17	0.19
(1,189)	1:16:A:PHE:H	1:79:A:LEU:HD13	17	0.19
(1,176)	1:70:B:VAL:HG13	1:71:B:ASP:HB3	13	0.19
(1,58)	1:82:B:ILE:HG22	1:85:B:MET:HG3	7	0.19
(1,58)	1:82:B:ILE:HG22	1:85:B:MET:HG3	17	0.19
(1,30)	1:82:B:ILE:H	1:82:B:ILE:HD12	18	0.19
(1,29)	1:82:A:ILE:H	1:82:A:ILE:HD12	18	0.19
(3,184)	1:91:B:GLU:H	1:87:B:ASN:O	16	0.18
(3,184)	1:91:B:GLU:H	1:87:B:ASN:O	20	0.18
(3,155)	1:77:B:VAL:N	1:73:B:GLN:O	9	0.18
(3,138)	1:48:B:LYS:H	1:44:B:SER:O	4	0.18
(3,138)	1:48:B:LYS:H	1:44:B:SER:O	8	0.18
(3,138)	1:48:B:LYS:H	1:44:B:SER:O	10	0.18
(3,138)	1:48:B:LYS:H	1:44:B:SER:O	12	0.18
(3,138)	1:48:B:LYS:H	1:44:B:SER:O	19	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,100)	1:10:B:ASP:H	1:6:B:GLU:O	20	0.18
(3,92)	1:91:A:GLU:H	1:87:A:ASN:O	16	0.18
(3,92)	1:91:A:GLU:H	1:87:A:ASN:O	20	0.18
(3,63)	1:77:A:VAL:N	1:73:A:GLN:O	9	0.18
(3,46)	1:48:A:LYS:H	1:44:A:SER:O	4	0.18
(3,46)	1:48:A:LYS:H	1:44:A:SER:O	9	0.18
(3,46)	1:48:A:LYS:H	1:44:A:SER:O	12	0.18
(3,46)	1:48:A:LYS:H	1:44:A:SER:O	15	0.18
(3,46)	1:48:A:LYS:H	1:44:A:SER:O	17	0.18
(3,46)	1:48:A:LYS:H	1:44:A:SER:O	18	0.18
(3,46)	1:48:A:LYS:H	1:44:A:SER:O	19	0.18
(3,16)	1:14:A:SER:H	1:10:A:ASP:O	16	0.18
(3,8)	1:10:A:ASP:H	1:6:A:GLU:O	20	0.18
(2,288)	1:50:B:THR:H	1:48:B:LYS:HB2	19	0.18
(2,287)	1:50:A:THR:H	1:48:A:LYS:HB2	19	0.18
(2,280)	1:56:B:GLN:HE22	1:59:B:MET:HG3	9	0.18
(2,279)	1:56:A:GLN:HE22	1:59:A:MET:HG3	9	0.18
(2,254)	1:23:B:GLU:H	1:33:B:GLU:H	15	0.18
(2,253)	1:23:A:GLU:H	1:33:A:GLU:H	15	0.18
(2,222)	1:5:B:LEU:H	1:41:A:GLU:HA	19	0.18
(2,221)	1:5:A:LEU:H	1:41:B:GLU:HA	19	0.18
(2,196)	1:22:B:LYS:H	1:19:B:TYR:HB2	1	0.18
(2,195)	1:22:A:LYS:H	1:19:A:TYR:HB2	1	0.18
(2,169)	1:70:A:VAL:H	1:30:A:ASN:HB2	11	0.18
(2,152)	1:14:B:SER:HA	1:16:B:PHE:HA	7	0.18
(2,151)	1:14:A:SER:HA	1:16:A:PHE:HA	7	0.18
(2,151)	1:14:A:SER:HA	1:16:A:PHE:HA	10	0.18
(2,151)	1:14:A:SER:HA	1:16:A:PHE:HA	15	0.18
(2,121)	1:101:A:LYS:HA	1:98:A:PRO:HD2	16	0.18
(2,90)	1:61:B:ASN:HA	1:66:B:ARG:HD2	17	0.18
(2,89)	1:61:A:ASN:HA	1:66:A:ARG:HD2	17	0.18
(2,68)	1:59:B:MET:HB3	1:34:B:LEU:HB3	2	0.18
(2,68)	1:59:B:MET:HB3	1:34:B:LEU:HB3	14	0.18
(2,67)	1:59:A:MET:HB3	1:34:A:LEU:HB3	2	0.18
(2,67)	1:59:A:MET:HB3	1:34:A:LEU:HB3	14	0.18
(1,4608)	1:81:B:SER:H	1:76:B:SER:H	20	0.18
(1,4607)	1:81:A:SER:H	1:76:A:SER:H	20	0.18
(1,4598)	1:62:B:LEU:H	1:70:B:VAL:HG21	10	0.18
(1,4597)	1:62:A:LEU:H	1:70:A:VAL:HG21	10	0.18
(1,4590)	1:62:B:LEU:H	1:59:B:MET:H	2	0.18
(1,4590)	1:62:B:LEU:H	1:59:B:MET:H	3	0.18
(1,4589)	1:62:A:LEU:H	1:59:A:MET:H	2	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4589)	1:62:A:LEU:H	1:59:A:MET:H	3	0.18
(1,4587)	1:64:A:SER:H	1:63:A:ASP:H	19	0.18
(1,4577)	1:39:A:THR:H	1:36:A:GLU:HG3	14	0.18
(1,4568)	1:30:B:ASN:HD22	1:69:B:GLU:HG2	13	0.18
(1,4543)	1:97:A:GLN:HE21	1:98:A:PRO:HD3	11	0.18
(1,4522)	1:80:B:SER:H	1:82:B:ILE:HG13	20	0.18
(1,4521)	1:80:A:SER:H	1:82:A:ILE:HG13	20	0.18
(1,4507)	1:32:A:SER:H	1:23:A:GLU:HG3	1	0.18
(1,4476)	1:86:B:SER:H	1:13:A:VAL:HG21	1	0.18
(1,4474)	1:85:B:MET:H	1:83:B:ALA:HB1	20	0.18
(1,4473)	1:85:A:MET:H	1:83:A:ALA:HB3	1	0.18
(1,4464)	1:31:B:LYS:H	1:34:B:LEU:HD21	11	0.18
(1,4463)	1:31:A:LYS:H	1:34:A:LEU:HD21	11	0.18
(1,4460)	1:68:B:ASN:H	1:70:B:VAL:HG22	3	0.18
(1,4460)	1:68:B:ASN:H	1:70:B:VAL:HG21	8	0.18
(1,4459)	1:68:A:ASN:H	1:70:A:VAL:HG22	3	0.18
(1,4459)	1:68:A:ASN:H	1:70:A:VAL:HG21	8	0.18
(1,4459)	1:68:A:ASN:H	1:70:A:VAL:HG22	14	0.18
(1,4434)	1:38:B:LEU:H	1:55:B:PHE:HB3	13	0.18
(1,4433)	1:38:A:LEU:H	1:55:A:PHE:HB3	13	0.18
(1,4423)	1:35:A:LYS:H	1:29:A:LEU:HD11	10	0.18
(1,4422)	1:35:B:LYS:H	1:59:B:MET:HB2	14	0.18
(1,4421)	1:35:A:LYS:H	1:59:A:MET:HB2	14	0.18
(1,4408)	1:61:B:ASN:H	1:62:B:LEU:HG	4	0.18
(1,4408)	1:61:B:ASN:H	1:62:B:LEU:HG	8	0.18
(1,4408)	1:61:B:ASN:H	1:62:B:LEU:HG	9	0.18
(1,4408)	1:61:B:ASN:H	1:62:B:LEU:HG	11	0.18
(1,4407)	1:61:A:ASN:H	1:62:A:LEU:HG	8	0.18
(1,4407)	1:61:A:ASN:H	1:62:A:LEU:HG	11	0.18
(1,4386)	1:76:B:SER:H	1:77:B:VAL:HG21	7	0.18
(1,4385)	1:76:A:SER:H	1:77:A:VAL:HG21	7	0.18
(1,4376)	1:95:B:ASP:H	1:96:B:LYS:HD3	12	0.18
(1,4375)	1:95:A:ASP:H	1:96:A:LYS:HD3	12	0.18
(1,4371)	1:95:A:ASP:H	1:91:A:GLU:HG3	11	0.18
(1,4352)	1:79:B:LEU:H	1:79:B:LEU:HB3	3	0.18
(1,4352)	1:79:B:LEU:H	1:79:B:LEU:HB3	15	0.18
(1,4352)	1:79:B:LEU:H	1:79:B:LEU:HB3	19	0.18
(1,4351)	1:79:A:LEU:H	1:79:A:LEU:HB3	3	0.18
(1,4351)	1:79:A:LEU:H	1:79:A:LEU:HB3	15	0.18
(1,4351)	1:79:A:LEU:H	1:79:A:LEU:HB3	19	0.18
(1,4348)	1:16:B:PHE:H	1:37:B:LEU:HD11	20	0.18
(1,4347)	1:16:A:PHE:H	1:37:A:LEU:HD11	20	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4346)	1:16:B:PHE:H	1:2:A:ALA:HB3	8	0.18
(1,4288)	1:45:B:PHE:H	1:82:B:ILE:HG23	5	0.18
(1,4287)	1:45:A:PHE:H	1:82:A:ILE:HG23	5	0.18
(1,4252)	1:77:B:VAL:H	1:75:B:TYR:HB3	15	0.18
(1,4252)	1:77:B:VAL:H	1:75:B:TYR:HB3	17	0.18
(1,4251)	1:77:A:VAL:H	1:75:A:TYR:HB3	15	0.18
(1,4251)	1:77:A:VAL:H	1:75:A:TYR:HB3	17	0.18
(1,4238)	1:70:B:VAL:H	1:29:B:LEU:HA	14	0.18
(1,4237)	1:70:A:VAL:H	1:29:A:LEU:HA	14	0.18
(1,4194)	1:77:B:VAL:HA	1:83:A:ALA:HB2	3	0.18
(1,4194)	1:77:B:VAL:HA	1:83:A:ALA:HB1	6	0.18
(1,4192)	1:11:B:VAL:HA	1:8:B:ALA:HB1	5	0.18
(1,4191)	1:11:A:VAL:HA	1:8:A:ALA:HB1	5	0.18
(1,4163)	1:14:A:SER:HB3	1:18:A:LYS:HD3	2	0.18
(1,4152)	1:55:B:PHE:HA	1:34:B:LEU:HD23	2	0.18
(1,4148)	1:16:B:PHE:HA	1:20:B:SER:HB3	5	0.18
(1,4147)	1:16:A:PHE:HA	1:20:A:SER:HB3	5	0.18
(1,4134)	1:70:B:VAL:HA	1:62:B:LEU:HB3	10	0.18
(1,4134)	1:70:B:VAL:HA	1:62:B:LEU:HB3	13	0.18
(1,4133)	1:70:A:VAL:HA	1:62:A:LEU:HB3	10	0.18
(1,4133)	1:70:A:VAL:HA	1:62:A:LEU:HB3	13	0.18
(1,4133)	1:70:A:VAL:HA	1:62:A:LEU:HB3	15	0.18
(1,4133)	1:70:A:VAL:HA	1:62:A:LEU:HB3	20	0.18
(1,4050)	1:62:B:LEU:HA	1:61:B:ASN:HA	18	0.18
(1,4049)	1:62:A:LEU:HA	1:61:A:ASN:HA	18	0.18
(1,4046)	1:48:B:LYS:HG3	1:48:B:LYS:HA	10	0.18
(1,4044)	1:48:B:LYS:HB2	1:48:B:LYS:HA	12	0.18
(1,4043)	1:48:A:LYS:HB2	1:48:A:LYS:HA	12	0.18
(1,3994)	1:42:B:LEU:HA	1:45:B:PHE:HA	11	0.18
(1,3993)	1:42:A:LEU:HA	1:45:A:PHE:HA	11	0.18
(1,3966)	1:2:B:ALA:HA	1:6:B:GLU:HA	5	0.18
(1,3965)	1:2:A:ALA:HA	1:6:A:GLU:HA	4	0.18
(1,3965)	1:2:A:ALA:HA	1:6:A:GLU:HA	5	0.18
(1,3963)	1:2:A:ALA:HA	1:15:B:THR:HA	18	0.18
(1,3954)	1:94:B:PRO:HD3	1:93:B:PHE:H	17	0.18
(1,3953)	1:94:A:PRO:HD3	1:93:A:PHE:H	17	0.18
(1,3916)	1:99:B:ARG:HD3	1:97:B:GLN:H	14	0.18
(1,3915)	1:99:A:ARG:HD3	1:97:A:GLN:H	14	0.18
(1,3878)	1:31:B:LYS:HE3	1:59:B:MET:HG2	19	0.18
(1,3848)	1:9:B:LEU:HB2	1:79:A:LEU:HD13	15	0.18
(1,3838)	1:34:B:LEU:HB2	1:38:B:LEU:HB2	12	0.18
(1,3837)	1:34:A:LEU:HB2	1:38:A:LEU:HB2	12	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3723)	1:69:A:GLU:HG2	1:29:A:LEU:HA	8	0.18
(1,3722)	1:52:B:GLU:HG2	1:52:B:GLU:HG3	1	0.18
(1,3722)	1:52:B:GLU:HG2	1:52:B:GLU:HG3	3	0.18
(1,3722)	1:52:B:GLU:HG2	1:52:B:GLU:HG3	5	0.18
(1,3722)	1:52:B:GLU:HG2	1:52:B:GLU:HG3	6	0.18
(1,3722)	1:52:B:GLU:HG2	1:52:B:GLU:HG3	7	0.18
(1,3722)	1:52:B:GLU:HG2	1:52:B:GLU:HG3	8	0.18
(1,3722)	1:33:B:GLU:HG2	1:33:B:GLU:HG3	10	0.18
(1,3722)	1:33:B:GLU:HG2	1:33:B:GLU:HG3	15	0.18
(1,3722)	1:33:B:GLU:HG2	1:33:B:GLU:HG3	16	0.18
(1,3722)	1:33:B:GLU:HG2	1:33:B:GLU:HG3	18	0.18
(1,3722)	1:52:B:GLU:HG2	1:52:B:GLU:HG3	20	0.18
(1,3721)	1:52:A:GLU:HG2	1:52:A:GLU:HG3	1	0.18
(1,3721)	1:52:A:GLU:HG2	1:52:A:GLU:HG3	2	0.18
(1,3721)	1:52:A:GLU:HG2	1:52:A:GLU:HG3	3	0.18
(1,3721)	1:52:A:GLU:HG2	1:52:A:GLU:HG3	6	0.18
(1,3721)	1:52:A:GLU:HG2	1:52:A:GLU:HG3	7	0.18
(1,3721)	1:33:A:GLU:HG2	1:33:A:GLU:HG3	10	0.18
(1,3721)	1:33:A:GLU:HG2	1:33:A:GLU:HG3	15	0.18
(1,3721)	1:33:A:GLU:HG2	1:33:A:GLU:HG3	16	0.18
(1,3721)	1:52:A:GLU:HG2	1:52:A:GLU:HG3	17	0.18
(1,3721)	1:33:A:GLU:HG2	1:33:A:GLU:HG3	18	0.18
(1,3721)	1:52:A:GLU:HG2	1:52:A:GLU:HG3	20	0.18
(1,3701)	1:56:A:GLN:HG3	1:57:A:LYS:HB2	16	0.18
(1,3698)	1:56:B:GLN:HG2	1:57:B:LYS:HE2	9	0.18
(1,3686)	1:97:B:GLN:HG3	1:98:B:PRO:HD2	20	0.18
(1,3673)	1:59:A:MET:HG3	1:31:A:LYS:HB3	12	0.18
(1,3664)	1:85:B:MET:HG2	1:82:B:ILE:HG13	12	0.18
(1,3663)	1:85:A:MET:HG2	1:82:A:ILE:HG13	12	0.18
(1,3660)	1:18:B:LYS:HD3	1:18:B:LYS:HB2	11	0.18
(1,3659)	1:18:A:LYS:HD3	1:18:A:LYS:HB2	11	0.18
(1,3644)	1:31:B:LYS:HB3	1:35:B:LYS:HA	10	0.18
(1,3643)	1:31:A:LYS:HB3	1:35:A:LYS:HA	10	0.18
(1,3635)	1:33:A:GLU:HB3	1:34:A:LEU:HB2	11	0.18
(1,3632)	1:59:B:MET:HB3	1:34:B:LEU:HB3	2	0.18
(1,3632)	1:59:B:MET:HB3	1:34:B:LEU:HB3	14	0.18
(1,3631)	1:59:A:MET:HB3	1:34:A:LEU:HB3	2	0.18
(1,3631)	1:59:A:MET:HB3	1:34:A:LEU:HB3	14	0.18
(1,3606)	1:28:B:LYS:HD3	1:67:B:ASP:HB2	4	0.18
(1,3605)	1:28:A:LYS:HD3	1:67:A:ASP:HB2	3	0.18
(1,3584)	1:7:B:LYS:HD2	1:7:B:LYS:HB3	8	0.18
(1,3578)	1:7:B:LYS:HD3	1:7:B:LYS:HE2	1	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3577)	1:7:A:LYS:HD3	1:7:A:LYS:HE2	1	0.18
(1,3554)	1:37:B:LEU:HD11	1:29:B:LEU:HA	5	0.18
(1,3553)	1:37:A:LEU:HD11	1:29:A:LEU:HA	5	0.18
(1,3502)	1:34:B:LEU:HD23	1:58:B:LEU:HB3	2	0.18
(1,3501)	1:34:A:LEU:HD23	1:58:A:LEU:HB3	2	0.18
(1,3491)	1:81:A:SER:H	1:79:A:LEU:HD22	18	0.18
(1,3476)	1:46:B:LEU:HD22	1:45:B:PHE:HB3	1	0.18
(1,3471)	1:31:A:LYS:HG3	1:34:A:LEU:HD22	16	0.18
(1,3446)	1:35:B:LYS:HG2	1:52:B:GLU:H	4	0.18
(1,3446)	1:35:B:LYS:HG2	1:38:B:LEU:H	14	0.18
(1,3445)	1:35:A:LYS:HG2	1:52:A:GLU:H	4	0.18
(1,3394)	1:77:B:VAL:HG21	1:74:B:GLU:HA	14	0.18
(1,3393)	1:77:A:VAL:HG21	1:74:A:GLU:HA	14	0.18
(1,3376)	1:50:B:THR:HG22	1:35:B:LYS:HB3	10	0.18
(1,3365)	1:39:A:THR:HG22	1:38:A:LEU:HD23	12	0.18
(1,3358)	1:39:B:THR:HG23	1:35:B:LYS:HE2	1	0.18
(1,3357)	1:39:A:THR:HG23	1:35:A:LYS:HE2	1	0.18
(1,3352)	1:13:B:VAL:HG11	1:90:A:PHE:H	11	0.18
(1,3322)	1:54:B:ALA:HB2	1:46:B:LEU:HD11	10	0.18
(1,3321)	1:54:A:ALA:HB2	1:46:A:LEU:HD11	10	0.18
(1,3308)	1:31:B:LYS:HB3	1:31:B:LYS:HA	15	0.18
(1,3288)	1:87:B:ASN:HD21	1:90:B:PHE:H	15	0.18
(1,3287)	1:87:A:ASN:HD21	1:90:A:PHE:H	15	0.18
(1,3258)	1:73:B:GLN:H	1:87:A:ASN:HD21	14	0.18
(1,3257)	1:73:A:GLN:H	1:87:B:ASN:HD21	3	0.18
(1,3248)	1:88:B:GLU:H	1:73:A:GLN:H	20	0.18
(1,3247)	1:88:A:GLU:H	1:73:B:GLN:H	20	0.18
(1,3238)	1:99:B:ARG:H	1:99:B:ARG:HB2	3	0.18
(1,3237)	1:99:A:ARG:H	1:99:A:ARG:HB2	3	0.18
(1,3140)	1:61:B:ASN:HD22	1:57:B:LYS:HB3	15	0.18
(1,3139)	1:61:A:ASN:HD22	1:57:A:LYS:HB3	15	0.18
(1,3136)	1:61:B:ASN:HD22	1:61:B:ASN:HA	20	0.18
(1,3135)	1:61:A:ASN:HD22	1:61:A:ASN:HA	20	0.18
(1,3104)	1:65:B:ASN:HD21	1:69:B:GLU:HG3	19	0.18
(1,3103)	1:65:A:ASN:HD21	1:69:A:GLU:HG3	19	0.18
(1,2960)	1:28:B:LYS:H	1:26:B:LYS:HD2	20	0.18
(1,2959)	1:28:A:LYS:H	1:26:A:LYS:HD2	20	0.18
(1,2829)	1:23:A:GLU:H	1:33:A:GLU:HG2	15	0.18
(1,2773)	1:59:A:MET:H	1:62:A:LEU:HD13	3	0.18
(1,2751)	1:34:A:LEU:H	1:29:A:LEU:HD13	8	0.18
(1,2736)	1:46:B:LEU:H	1:82:B:ILE:HD11	5	0.18
(1,2736)	1:46:B:LEU:H	1:82:B:ILE:HD12	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2680)	1:7:B:LYS:H	1:7:B:LYS:HG3	2	0.18
(1,2680)	1:7:B:LYS:H	1:7:B:LYS:HG3	7	0.18
(1,2680)	1:7:B:LYS:H	1:7:B:LYS:HG3	10	0.18
(1,2680)	1:7:B:LYS:H	1:7:B:LYS:HG3	11	0.18
(1,2680)	1:7:B:LYS:H	1:7:B:LYS:HG3	12	0.18
(1,2679)	1:7:A:LYS:H	1:7:A:LYS:HG3	11	0.18
(1,2494)	1:97:B:GLN:H	1:96:B:LYS:H	2	0.18
(1,2478)	1:87:B:ASN:H	1:13:A:VAL:HG22	4	0.18
(1,2477)	1:87:A:ASN:H	1:13:B:VAL:HG22	15	0.18
(1,2412)	1:52:B:GLU:H	1:51:B:ASP:HB3	11	0.18
(1,2411)	1:52:A:GLU:H	1:51:A:ASP:HB3	11	0.18
(1,2387)	1:18:A:LYS:H	1:18:A:LYS:HE2	6	0.18
(1,2323)	1:78:A:PHE:H	1:82:A:ILE:HD12	15	0.18
(1,2304)	1:45:B:PHE:H	1:7:A:LYS:HD2	14	0.18
(1,2290)	1:3:B:SER:H	1:6:B:GLU:HG3	5	0.18
(1,2289)	1:3:A:SER:H	1:6:A:GLU:HG3	5	0.18
(1,2286)	1:3:B:SER:H	1:40:A:ARG:HA	5	0.18
(1,2286)	1:3:B:SER:H	1:40:A:ARG:HA	8	0.18
(1,2285)	1:3:A:SER:H	1:40:B:ARG:HA	8	0.18
(1,2248)	1:8:B:ALA:H	1:43:A:PRO:HD2	13	0.18
(1,2247)	1:8:A:ALA:H	1:43:B:PRO:HD2	13	0.18
(1,2234)	1:33:B:GLU:H	1:22:B:LYS:HE3	1	0.18
(1,2214)	1:30:B:ASN:H	1:34:B:LEU:HD13	18	0.18
(1,2213)	1:30:A:ASN:H	1:34:A:LEU:HD13	18	0.18
(1,2166)	1:70:B:VAL:H	1:69:B:GLU:HB2	18	0.18
(1,2166)	1:70:B:VAL:H	1:69:B:GLU:HB2	19	0.18
(1,2165)	1:70:A:VAL:H	1:69:A:GLU:HB2	18	0.18
(1,2165)	1:70:A:VAL:H	1:69:A:GLU:HB2	19	0.18
(1,2162)	1:70:B:VAL:H	1:31:B:LYS:HA	19	0.18
(1,2161)	1:70:A:VAL:H	1:31:A:LYS:HA	14	0.18
(1,2161)	1:70:A:VAL:H	1:31:A:LYS:HA	19	0.18
(1,2138)	1:29:B:LEU:H	1:73:B:GLN:H	19	0.18
(1,2056)	1:77:B:VAL:HA	1:73:B:GLN:HG2	19	0.18
(1,2055)	1:77:A:VAL:HA	1:73:A:GLN:HG2	19	0.18
(1,2036)	1:43:B:PRO:HA	1:7:A:LYS:HD2	12	0.18
(1,2011)	1:94:A:PRO:HA	1:95:A:ASP:HB3	10	0.18
(1,1991)	1:60:A:SER:HB2	1:66:A:ARG:HD3	17	0.18
(1,1932)	1:32:B:SER:HA	1:31:B:LYS:HD2	17	0.18
(1,1844)	1:37:B:LEU:HA	1:29:B:LEU:HD11	18	0.18
(1,1843)	1:37:A:LEU:HA	1:29:A:LEU:HD11	18	0.18
(1,1822)	1:7:B:LYS:HA	1:7:B:LYS:HD3	15	0.18
(1,1821)	1:7:A:LYS:HA	1:7:A:LYS:HD3	11	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1713)	1:10:A:ASP:HA	1:82:B:ILE:HG23	8	0.18
(1,1682)	1:91:B:GLU:HA	1:89:B:PHE:HA	18	0.18
(1,1681)	1:91:A:GLU:HA	1:89:A:PHE:HA	18	0.18
(1,1659)	1:46:A:LEU:HA	1:45:A:PHE:HB2	9	0.18
(1,1494)	1:42:B:LEU:HB2	1:42:B:LEU:HD23	4	0.18
(1,1494)	1:42:B:LEU:HB2	1:42:B:LEU:HD21	14	0.18
(1,1493)	1:42:A:LEU:HB2	1:42:A:LEU:HD23	4	0.18
(1,1493)	1:42:A:LEU:HB2	1:42:A:LEU:HD21	14	0.18
(1,1452)	1:29:B:LEU:HB2	1:37:B:LEU:HB3	7	0.18
(1,1412)	1:40:B:ARG:HD3	1:41:B:GLU:H	2	0.18
(1,1411)	1:40:A:ARG:HD3	1:41:A:GLU:H	2	0.18
(1,1346)	1:96:B:LYS:HE2	1:73:A:GLN:HG3	19	0.18
(1,1344)	1:22:B:LYS:HE3	1:33:B:GLU:HG2	13	0.18
(1,1343)	1:22:A:LYS:HE3	1:33:A:GLU:HG2	13	0.18
(1,1343)	1:22:A:LYS:HE3	1:33:A:GLU:HG2	15	0.18
(1,1314)	1:58:B:LEU:HB3	1:62:B:LEU:HD13	1	0.18
(1,1313)	1:58:A:LEU:HB3	1:62:A:LEU:HD13	1	0.18
(1,1278)	1:10:B:ASP:HB3	1:12:B:MET:H	10	0.18
(1,1277)	1:10:A:ASP:HB3	1:12:A:MET:H	4	0.18
(1,1277)	1:10:A:ASP:HB3	1:12:A:MET:H	6	0.18
(1,1277)	1:10:A:ASP:HB3	1:12:A:MET:H	10	0.18
(1,1277)	1:10:A:ASP:HB3	1:12:A:MET:H	15	0.18
(1,1227)	1:57:A:LYS:HE2	1:56:A:GLN:HA	16	0.18
(1,1208)	1:61:B:ASN:HB3	1:62:B:LEU:HG	2	0.18
(1,1122)	1:70:B:VAL:HG12	1:74:B:GLU:HG2	19	0.18
(1,1121)	1:70:A:VAL:HG12	1:74:A:GLU:HG2	19	0.18
(1,1090)	1:91:B:GLU:HG3	1:91:B:GLU:HA	16	0.18
(1,1089)	1:91:A:GLU:HG3	1:91:A:GLU:HA	16	0.18
(1,1054)	1:52:B:GLU:HG3	1:51:B:ASP:H	13	0.18
(1,1053)	1:52:A:GLU:HG3	1:51:A:ASP:H	13	0.18
(1,1053)	1:52:A:GLU:HG3	1:51:A:ASP:H	17	0.18
(1,1028)	1:41:B:GLU:HG3	1:37:B:LEU:HG	5	0.18
(1,1027)	1:41:A:GLU:HG3	1:37:A:LEU:HG	12	0.18
(1,1004)	1:56:B:GLN:HB2	1:56:B:GLN:HG2	6	0.18
(1,1004)	1:56:B:GLN:HB3	1:56:B:GLN:HG2	8	0.18
(1,1003)	1:56:A:GLN:HB2	1:56:A:GLN:HG2	6	0.18
(1,1003)	1:56:A:GLN:HB3	1:56:A:GLN:HG2	8	0.18
(1,1003)	1:56:A:GLN:HB3	1:56:A:GLN:HG2	11	0.18
(1,970)	1:97:B:GLN:HG2	1:95:B:ASP:HB3	9	0.18
(1,944)	1:59:B:MET:HG3	1:31:B:LYS:HE3	18	0.18
(1,943)	1:59:A:MET:HG3	1:31:A:LYS:HE3	18	0.18
(1,905)	1:31:A:LYS:HB3	1:35:A:LYS:HE3	8	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,892)	1:31:B:LYS:HB2	1:30:B:ASN:HA	15	0.18
(1,856)	1:26:B:LYS:HB3	1:21:B:GLY:HA2	14	0.18
(1,855)	1:26:A:LYS:HB3	1:21:A:GLY:HA2	14	0.18
(1,802)	1:41:B:GLU:HB2	1:5:A:LEU:HD23	14	0.18
(1,780)	1:28:B:LYS:HD2	1:25:B:ASP:HB2	2	0.18
(1,779)	1:28:A:LYS:HD2	1:25:A:ASP:HB2	2	0.18
(1,674)	1:35:B:LYS:HD3	1:35:B:LYS:H	17	0.18
(1,673)	1:35:A:LYS:HD3	1:35:A:LYS:H	17	0.18
(1,632)	1:40:B:ARG:HG2	1:41:B:GLU:H	6	0.18
(1,631)	1:40:A:ARG:HG2	1:41:A:GLU:H	10	0.18
(1,580)	1:29:B:LEU:HD21	1:70:B:VAL:H	8	0.18
(1,579)	1:29:A:LEU:HD21	1:70:A:VAL:H	8	0.18
(1,579)	1:29:A:LEU:HD22	1:70:A:VAL:H	13	0.18
(1,542)	1:66:B:ARG:HG2	1:65:B:ASN:HA	1	0.18
(1,541)	1:66:A:ARG:HG2	1:65:A:ASN:HA	1	0.18
(1,524)	1:42:B:LEU:HD13	1:41:B:GLU:HA	12	0.18
(1,523)	1:42:A:LEU:HD13	1:41:A:GLU:HA	12	0.18
(1,523)	1:42:A:LEU:HD12	1:41:A:GLU:HA	14	0.18
(1,520)	1:42:B:LEU:HG	1:82:B:ILE:HD13	17	0.18
(1,519)	1:42:A:LEU:HG	1:82:A:ILE:HD13	17	0.18
(1,508)	1:34:B:LEU:HD22	1:59:B:MET:HG2	15	0.18
(1,474)	1:42:B:LEU:HD13	1:79:B:LEU:HA	3	0.18
(1,473)	1:42:A:LEU:HD13	1:79:A:LEU:HA	3	0.18
(1,414)	1:46:B:LEU:HD21	1:46:B:LEU:HD23	1	0.18
(1,414)	1:46:B:LEU:HD22	1:46:B:LEU:HD21	2	0.18
(1,414)	1:46:B:LEU:HD22	1:46:B:LEU:HD21	3	0.18
(1,414)	1:46:B:LEU:HD22	1:46:B:LEU:HD23	4	0.18
(1,414)	1:46:B:LEU:HD22	1:46:B:LEU:HD23	5	0.18
(1,414)	1:46:B:LEU:HD22	1:46:B:LEU:HD21	6	0.18
(1,414)	1:46:B:LEU:HD22	1:46:B:LEU:HD21	7	0.18
(1,414)	1:46:B:LEU:HD22	1:46:B:LEU:HD21	8	0.18
(1,414)	1:46:B:LEU:HD22	1:46:B:LEU:HD21	9	0.18
(1,414)	1:46:B:LEU:HD21	1:46:B:LEU:HD23	10	0.18
(1,414)	1:46:B:LEU:HD22	1:46:B:LEU:HD21	11	0.18
(1,414)	1:46:B:LEU:HD21	1:46:B:LEU:HD23	12	0.18
(1,414)	1:46:B:LEU:HD22	1:46:B:LEU:HD23	13	0.18
(1,414)	1:46:B:LEU:HD22	1:46:B:LEU:HD23	14	0.18
(1,414)	1:46:B:LEU:HD22	1:46:B:LEU:HD21	15	0.18
(1,414)	1:46:B:LEU:HD22	1:46:B:LEU:HD21	16	0.18
(1,414)	1:46:B:LEU:HD22	1:46:B:LEU:HD23	17	0.18
(1,414)	1:46:B:LEU:HD21	1:46:B:LEU:HD23	18	0.18
(1,414)	1:46:B:LEU:HD22	1:46:B:LEU:HD23	19	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,414)	1:46:B:LEU:HD21	1:46:B:LEU:HD23	20	0.18
(1,413)	1:46:A:LEU:HD21	1:46:A:LEU:HD23	1	0.18
(1,413)	1:46:A:LEU:HD22	1:46:A:LEU:HD21	2	0.18
(1,413)	1:46:A:LEU:HD22	1:46:A:LEU:HD21	3	0.18
(1,413)	1:46:A:LEU:HD22	1:46:A:LEU:HD23	4	0.18
(1,413)	1:46:A:LEU:HD22	1:46:A:LEU:HD21	5	0.18
(1,413)	1:46:A:LEU:HD22	1:46:A:LEU:HD21	6	0.18
(1,413)	1:46:A:LEU:HD22	1:46:A:LEU:HD21	7	0.18
(1,413)	1:46:A:LEU:HD22	1:46:A:LEU:HD21	8	0.18
(1,413)	1:46:A:LEU:HD22	1:46:A:LEU:HD21	9	0.18
(1,413)	1:46:A:LEU:HD22	1:46:A:LEU:HD23	10	0.18
(1,413)	1:46:A:LEU:HD22	1:46:A:LEU:HD21	11	0.18
(1,413)	1:46:A:LEU:HD21	1:46:A:LEU:HD23	12	0.18
(1,413)	1:46:A:LEU:HD22	1:46:A:LEU:HD23	13	0.18
(1,413)	1:46:A:LEU:HD21	1:46:A:LEU:HD23	14	0.18
(1,413)	1:46:A:LEU:HD22	1:46:A:LEU:HD21	15	0.18
(1,413)	1:46:A:LEU:HD22	1:46:A:LEU:HD21	16	0.18
(1,413)	1:46:A:LEU:HD22	1:46:A:LEU:HD23	17	0.18
(1,413)	1:46:A:LEU:HD21	1:46:A:LEU:HD23	18	0.18
(1,413)	1:46:A:LEU:HD22	1:46:A:LEU:HD23	19	0.18
(1,413)	1:46:A:LEU:HD22	1:46:A:LEU:HD23	20	0.18
(1,408)	1:46:B:LEU:HD23	1:46:B:LEU:HB3	8	0.18
(1,408)	1:46:B:LEU:HD22	1:46:B:LEU:HB3	11	0.18
(1,407)	1:46:A:LEU:HD23	1:46:A:LEU:HB3	8	0.18
(1,398)	1:7:B:LYS:HG3	1:7:B:LYS:HA	4	0.18
(1,397)	1:7:A:LYS:HG3	1:7:A:LYS:HA	4	0.18
(1,390)	1:31:B:LYS:HG2	1:34:B:LEU:HD21	14	0.18
(1,389)	1:31:A:LYS:HG2	1:34:A:LEU:HD21	14	0.18
(1,338)	1:58:B:LEU:HD13	1:61:B:ASN:HB3	2	0.18
(1,338)	1:58:B:LEU:HD11	1:61:B:ASN:HB3	6	0.18
(1,337)	1:58:A:LEU:HD11	1:61:A:ASN:HB3	19	0.18
(1,318)	1:62:B:LEU:HD21	1:82:B:ILE:HD12	1	0.18
(1,317)	1:62:A:LEU:HD21	1:82:A:ILE:HD12	1	0.18
(1,317)	1:62:A:LEU:HD21	1:82:A:ILE:HD11	20	0.18
(1,252)	1:5:B:LEU:HD12	1:11:A:VAL:HB	17	0.18
(1,224)	1:70:B:VAL:HG22	1:29:B:LEU:H	4	0.18
(1,224)	1:70:B:VAL:HG22	1:29:B:LEU:H	7	0.18
(1,224)	1:70:B:VAL:HG23	1:29:B:LEU:H	12	0.18
(1,223)	1:70:A:VAL:HG22	1:29:A:LEU:H	7	0.18
(1,223)	1:70:A:VAL:HG23	1:29:A:LEU:H	12	0.18
(1,205)	1:34:A:LEU:HD13	1:38:A:LEU:H	8	0.18
(1,190)	1:16:B:PHE:H	1:79:B:LEU:HD12	9	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,189)	1:16:A:PHE:H	1:79:A:LEU:HD12	9	0.18
(1,175)	1:70:A:VAL:HG13	1:71:A:ASP:HB3	13	0.18
(1,153)	1:13:A:VAL:HG11	1:87:B:ASN:HB2	20	0.18
(1,148)	1:13:B:VAL:HG11	1:84:A:MET:HA	20	0.18
(1,147)	1:13:A:VAL:HG11	1:84:B:MET:HA	20	0.18
(1,57)	1:82:A:ILE:HG22	1:85:A:MET:HG3	7	0.18
(1,50)	1:82:B:ILE:HG21	1:86:B:SER:HB3	19	0.18
(1,30)	1:82:B:ILE:H	1:82:B:ILE:HD13	6	0.18
(1,30)	1:82:B:ILE:H	1:82:B:ILE:HD12	14	0.18
(1,30)	1:82:B:ILE:H	1:82:B:ILE:HD11	15	0.18
(1,29)	1:82:A:ILE:H	1:82:A:ILE:HD13	6	0.18
(1,29)	1:82:A:ILE:H	1:82:A:ILE:HD12	14	0.18
(1,12)	1:5:B:LEU:HD22	1:42:A:LEU:HG	13	0.18
(3,184)	1:91:B:GLU:H	1:87:B:ASN:O	5	0.17
(3,184)	1:91:B:GLU:H	1:87:B:ASN:O	13	0.17
(3,153)	1:76:B:SER:N	1:72:B:PHE:O	8	0.17
(3,138)	1:48:B:LYS:H	1:44:B:SER:O	2	0.17
(3,138)	1:48:B:LYS:H	1:44:B:SER:O	3	0.17
(3,138)	1:48:B:LYS:H	1:44:B:SER:O	7	0.17
(3,138)	1:48:B:LYS:H	1:44:B:SER:O	11	0.17
(3,138)	1:48:B:LYS:H	1:44:B:SER:O	14	0.17
(3,138)	1:48:B:LYS:H	1:44:B:SER:O	15	0.17
(3,138)	1:48:B:LYS:H	1:44:B:SER:O	16	0.17
(3,118)	1:19:B:TYR:H	1:15:B:THR:O	13	0.17
(3,118)	1:19:B:TYR:H	1:15:B:THR:O	17	0.17
(3,114)	1:17:B:HIS:H	1:13:B:VAL:O	1	0.17
(3,114)	1:17:B:HIS:H	1:13:B:VAL:O	5	0.17
(3,108)	1:14:B:SER:H	1:10:B:ASP:O	2	0.17
(3,108)	1:14:B:SER:H	1:10:B:ASP:O	8	0.17
(3,108)	1:14:B:SER:H	1:10:B:ASP:O	16	0.17
(3,100)	1:10:B:ASP:H	1:6:B:GLU:O	8	0.17
(3,100)	1:10:B:ASP:H	1:6:B:GLU:O	18	0.17
(3,92)	1:91:A:GLU:H	1:87:A:ASN:O	5	0.17
(3,61)	1:76:A:SER:N	1:72:A:PHE:O	8	0.17
(3,46)	1:48:A:LYS:H	1:44:A:SER:O	2	0.17
(3,46)	1:48:A:LYS:H	1:44:A:SER:O	7	0.17
(3,46)	1:48:A:LYS:H	1:44:A:SER:O	8	0.17
(3,46)	1:48:A:LYS:H	1:44:A:SER:O	10	0.17
(3,46)	1:48:A:LYS:H	1:44:A:SER:O	16	0.17
(3,26)	1:19:A:TYR:H	1:15:A:THR:O	13	0.17
(3,26)	1:19:A:TYR:H	1:15:A:THR:O	17	0.17
(3,22)	1:17:A:HIS:H	1:13:A:VAL:O	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,22)	1:17:A:HIS:H	1:13:A:VAL:O	5	0.17
(3,16)	1:14:A:SER:H	1:10:A:ASP:O	2	0.17
(3,16)	1:14:A:SER:H	1:10:A:ASP:O	8	0.17
(3,8)	1:10:A:ASP:H	1:6:A:GLU:O	8	0.17
(2,170)	1:70:B:VAL:H	1:30:B:ASN:HB2	11	0.17
(2,152)	1:14:B:SER:HA	1:16:B:PHE:HA	11	0.17
(2,151)	1:14:A:SER:HA	1:16:A:PHE:HA	11	0.17
(2,122)	1:101:B:LYS:HA	1:98:B:PRO:HD2	16	0.17
(2,98)	1:28:B:LYS:HA	1:30:B:ASN:HD21	5	0.17
(2,84)	1:63:B:ASP:HA	1:59:B:MET:HG2	2	0.17
(2,83)	1:63:A:ASP:HA	1:59:A:MET:HG2	2	0.17
(2,46)	1:59:B:MET:HG3	1:66:B:ARG:HD2	7	0.17
(2,45)	1:59:A:MET:HG3	1:66:A:ARG:HD2	7	0.17
(2,16)	1:28:B:LYS:HG2	1:20:B:SER:HB3	1	0.17
(2,15)	1:28:A:LYS:HG2	1:20:A:SER:HB3	1	0.17
(1,4607)	1:81:A:SER:H	1:76:A:SER:H	14	0.17
(1,4590)	1:62:B:LEU:H	1:59:B:MET:H	4	0.17
(1,4590)	1:62:B:LEU:H	1:59:B:MET:H	7	0.17
(1,4590)	1:62:B:LEU:H	1:59:B:MET:H	15	0.17
(1,4589)	1:62:A:LEU:H	1:59:A:MET:H	4	0.17
(1,4589)	1:62:A:LEU:H	1:59:A:MET:H	7	0.17
(1,4589)	1:62:A:LEU:H	1:59:A:MET:H	15	0.17
(1,4577)	1:39:A:THR:H	1:36:A:GLU:HG3	2	0.17
(1,4568)	1:30:B:ASN:HD22	1:69:B:GLU:HG2	4	0.17
(1,4567)	1:30:A:ASN:HD22	1:69:A:GLU:HG2	4	0.17
(1,4538)	1:97:B:GLN:HE22	1:88:B:GLU:H	4	0.17
(1,4537)	1:97:A:GLN:HE22	1:88:A:GLU:H	4	0.17
(1,4522)	1:80:B:SER:H	1:82:B:ILE:HG13	18	0.17
(1,4521)	1:80:A:SER:H	1:82:A:ILE:HG13	18	0.17
(1,4520)	1:80:B:SER:H	1:84:B:MET:H	6	0.17
(1,4520)	1:80:B:SER:H	1:84:B:MET:H	11	0.17
(1,4519)	1:80:A:SER:H	1:84:A:MET:H	6	0.17
(1,4519)	1:80:A:SER:H	1:84:A:MET:H	11	0.17
(1,4508)	1:32:B:SER:H	1:23:B:GLU:HG2	1	0.17
(1,4498)	1:87:B:ASN:HD22	1:95:B:ASP:H	7	0.17
(1,4497)	1:87:A:ASN:HD22	1:95:A:ASP:H	7	0.17
(1,4476)	1:86:B:SER:H	1:13:A:VAL:HG23	15	0.17
(1,4474)	1:85:B:MET:H	1:83:B:ALA:HB3	1	0.17
(1,4474)	1:85:B:MET:H	1:83:B:ALA:HB1	5	0.17
(1,4473)	1:85:A:MET:H	1:83:A:ALA:HB1	5	0.17
(1,4462)	1:31:B:LYS:H	1:59:B:MET:HG3	5	0.17
(1,4461)	1:31:A:LYS:H	1:59:A:MET:HG3	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4438)	1:38:B:LEU:H	1:39:B:THR:HG23	19	0.17
(1,4437)	1:38:A:LEU:H	1:39:A:THR:HG23	19	0.17
(1,4407)	1:61:A:ASN:H	1:62:A:LEU:HG	4	0.17
(1,4407)	1:61:A:ASN:H	1:62:A:LEU:HG	9	0.17
(1,4386)	1:76:B:SER:H	1:77:B:VAL:HG23	17	0.17
(1,4385)	1:76:A:SER:H	1:77:A:VAL:HG23	17	0.17
(1,4366)	1:9:B:LEU:H	1:79:A:LEU:HD12	2	0.17
(1,4365)	1:9:A:LEU:H	1:79:B:LEU:HD12	2	0.17
(1,4352)	1:79:B:LEU:H	1:79:B:LEU:HB3	4	0.17
(1,4352)	1:79:B:LEU:H	1:79:B:LEU:HB3	5	0.17
(1,4352)	1:79:B:LEU:H	1:79:B:LEU:HB3	8	0.17
(1,4352)	1:79:B:LEU:H	1:79:B:LEU:HB3	10	0.17
(1,4352)	1:79:B:LEU:H	1:79:B:LEU:HB3	11	0.17
(1,4352)	1:79:B:LEU:H	1:79:B:LEU:HB3	13	0.17
(1,4352)	1:79:B:LEU:H	1:79:B:LEU:HB3	20	0.17
(1,4351)	1:79:A:LEU:H	1:79:A:LEU:HB3	4	0.17
(1,4351)	1:79:A:LEU:H	1:79:A:LEU:HB3	5	0.17
(1,4351)	1:79:A:LEU:H	1:79:A:LEU:HB3	8	0.17
(1,4351)	1:79:A:LEU:H	1:79:A:LEU:HB3	10	0.17
(1,4351)	1:79:A:LEU:H	1:79:A:LEU:HB3	11	0.17
(1,4351)	1:79:A:LEU:H	1:79:A:LEU:HB3	13	0.17
(1,4351)	1:79:A:LEU:H	1:79:A:LEU:HB3	14	0.17
(1,4351)	1:79:A:LEU:H	1:79:A:LEU:HB3	20	0.17
(1,4348)	1:16:B:PHE:H	1:37:B:LEU:HD12	15	0.17
(1,4348)	1:16:B:PHE:H	1:37:B:LEU:HD13	19	0.17
(1,4347)	1:16:A:PHE:H	1:37:A:LEU:HD12	15	0.17
(1,4347)	1:16:A:PHE:H	1:37:A:LEU:HD13	19	0.17
(1,4345)	1:16:A:PHE:H	1:2:B:ALA:HB3	8	0.17
(1,4336)	1:6:B:GLU:H	1:5:B:LEU:HG	12	0.17
(1,4335)	1:6:A:GLU:H	1:5:A:LEU:HG	12	0.17
(1,4310)	1:22:B:LYS:H	1:17:B:HIS:HA	16	0.17
(1,4309)	1:22:A:LYS:H	1:17:A:HIS:HA	16	0.17
(1,4296)	1:64:B:SER:H	1:63:B:ASP:H	2	0.17
(1,4295)	1:64:A:SER:H	1:63:A:ASP:H	2	0.17
(1,4254)	1:77:B:VAL:H	1:62:B:LEU:HB3	2	0.17
(1,4254)	1:77:B:VAL:H	1:62:B:LEU:HB3	4	0.17
(1,4253)	1:77:A:VAL:H	1:62:A:LEU:HB3	2	0.17
(1,4253)	1:77:A:VAL:H	1:62:A:LEU:HB3	4	0.17
(1,4252)	1:77:B:VAL:H	1:75:B:TYR:HB3	8	0.17
(1,4252)	1:77:B:VAL:H	1:75:B:TYR:HB3	16	0.17
(1,4251)	1:77:A:VAL:H	1:75:A:TYR:HB3	8	0.17
(1,4251)	1:77:A:VAL:H	1:75:A:TYR:HB3	16	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4228)	1:29:B:LEU:H	1:34:B:LEU:HA	1	0.17
(1,4227)	1:29:A:LEU:H	1:34:A:LEU:HA	1	0.17
(1,4193)	1:77:A:VAL:HA	1:83:B:ALA:HB2	3	0.17
(1,4156)	1:16:B:PHE:HA	1:20:B:SER:HA	16	0.17
(1,4155)	1:16:A:PHE:HA	1:20:A:SER:HA	16	0.17
(1,4151)	1:55:A:PHE:HA	1:34:A:LEU:HD23	2	0.17
(1,4136)	1:20:B:SER:HB3	1:29:B:LEU:HB2	4	0.17
(1,4136)	1:20:B:SER:HB3	1:29:B:LEU:HB2	15	0.17
(1,4135)	1:20:A:SER:HB3	1:29:A:LEU:HB2	4	0.17
(1,4135)	1:20:A:SER:HB3	1:29:A:LEU:HB2	15	0.17
(1,4132)	1:20:B:SER:HB2	1:22:B:LYS:HG3	20	0.17
(1,4131)	1:20:A:SER:HB2	1:22:A:LYS:HG3	20	0.17
(1,4110)	1:2:B:ALA:HB1	1:6:B:GLU:HA	10	0.17
(1,4109)	1:2:A:ALA:HB1	1:6:A:GLU:HA	10	0.17
(1,4108)	1:35:B:LYS:HA	1:35:B:LYS:HE2	12	0.17
(1,4107)	1:35:A:LYS:HA	1:35:A:LYS:HE2	12	0.17
(1,4050)	1:62:B:LEU:HA	1:61:B:ASN:HA	5	0.17
(1,4050)	1:62:B:LEU:HA	1:61:B:ASN:HA	10	0.17
(1,4049)	1:62:A:LEU:HA	1:61:A:ASN:HA	5	0.17
(1,4049)	1:62:A:LEU:HA	1:61:A:ASN:HA	10	0.17
(1,4045)	1:48:A:LYS:HG3	1:48:A:LYS:HA	10	0.17
(1,4044)	1:48:B:LYS:HB2	1:48:B:LYS:HA	1	0.17
(1,4044)	1:100:B:LYS:HA	1:100:B:LYS:HB2	17	0.17
(1,4043)	1:48:A:LYS:HB2	1:48:A:LYS:HA	1	0.17
(1,4043)	1:100:A:LYS:HA	1:100:A:LYS:HB2	17	0.17
(1,4006)	1:61:B:ASN:HA	1:57:B:LYS:HA	19	0.17
(1,4005)	1:61:A:ASN:HA	1:57:A:LYS:HA	19	0.17
(1,4002)	1:69:B:GLU:HA	1:33:B:GLU:HB2	2	0.17
(1,4001)	1:69:A:GLU:HA	1:33:A:GLU:HB2	2	0.17
(1,3994)	1:42:B:LEU:HA	1:45:B:PHE:HA	5	0.17
(1,3993)	1:42:A:LEU:HA	1:45:A:PHE:HA	5	0.17
(1,3980)	1:42:B:LEU:HA	1:44:B:SER:HB3	17	0.17
(1,3850)	1:9:B:LEU:HB3	1:79:A:LEU:HD12	2	0.17
(1,3849)	1:9:A:LEU:HB3	1:79:B:LEU:HD12	2	0.17
(1,3842)	1:34:B:LEU:HB2	1:37:B:LEU:HB2	5	0.17
(1,3841)	1:34:A:LEU:HB2	1:37:A:LEU:HB2	5	0.17
(1,3832)	1:9:B:LEU:HB2	1:12:B:MET:HB3	17	0.17
(1,3831)	1:9:A:LEU:HB2	1:12:A:MET:HB3	17	0.17
(1,3736)	1:94:B:PRO:HB2	1:88:B:GLU:HG3	15	0.17
(1,3735)	1:94:A:PRO:HB2	1:88:A:GLU:HG3	15	0.17
(1,3722)	1:33:B:GLU:HG2	1:33:B:GLU:HG3	9	0.17
(1,3722)	1:33:B:GLU:HG2	1:33:B:GLU:HG3	11	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3721)	1:33:A:GLU:HG2	1:33:A:GLU:HG3	9	0.17
(1,3721)	1:33:A:GLU:HG2	1:33:A:GLU:HG3	11	0.17
(1,3702)	1:73:B:GLN:HG3	1:88:A:GLU:HB2	2	0.17
(1,3701)	1:73:A:GLN:HG3	1:88:B:GLU:HB2	2	0.17
(1,3674)	1:59:B:MET:HG3	1:31:B:LYS:HB3	12	0.17
(1,3674)	1:59:B:MET:HG3	1:31:B:LYS:HB3	18	0.17
(1,3673)	1:59:A:MET:HG3	1:31:A:LYS:HB3	18	0.17
(1,3660)	1:31:B:LYS:HB2	1:31:B:LYS:HG3	10	0.17
(1,3660)	1:31:B:LYS:HB2	1:31:B:LYS:HG3	20	0.17
(1,3659)	1:31:A:LYS:HB2	1:31:A:LYS:HG3	10	0.17
(1,3659)	1:31:A:LYS:HB2	1:31:A:LYS:HG3	20	0.17
(1,3654)	1:85:B:MET:HG2	1:82:B:ILE:HG12	11	0.17
(1,3653)	1:85:A:MET:HG2	1:82:A:ILE:HG12	11	0.17
(1,3644)	1:31:B:LYS:HB3	1:35:B:LYS:HA	20	0.17
(1,3643)	1:31:A:LYS:HB3	1:35:A:LYS:HA	20	0.17
(1,3616)	1:41:B:GLU:HB3	1:79:B:LEU:HD22	6	0.17
(1,3615)	1:41:A:GLU:HB3	1:79:A:LEU:HD22	6	0.17
(1,3612)	1:42:B:LEU:HG	1:41:B:GLU:HB3	5	0.17
(1,3611)	1:42:A:LEU:HG	1:41:A:GLU:HB3	5	0.17
(1,3605)	1:28:A:LYS:HD3	1:67:A:ASP:HB2	4	0.17
(1,3584)	1:7:B:LYS:HD3	1:7:B:LYS:HB3	17	0.17
(1,3583)	1:7:A:LYS:HD3	1:7:A:LYS:HB3	17	0.17
(1,3548)	1:37:B:LEU:HD23	1:37:B:LEU:HA	16	0.17
(1,3547)	1:37:A:LEU:HD23	1:37:A:LEU:HA	16	0.17
(1,3492)	1:81:B:SER:H	1:79:B:LEU:HD22	18	0.17
(1,3472)	1:31:B:LYS:HG3	1:34:B:LEU:HD22	16	0.17
(1,3456)	1:21:B:GLY:H	1:26:B:LYS:HG3	7	0.17
(1,3455)	1:21:A:GLY:H	1:26:A:LYS:HG3	7	0.17
(1,3445)	1:35:A:LYS:HG2	1:38:A:LEU:H	14	0.17
(1,3444)	1:18:B:LYS:HG3	1:20:B:SER:H	8	0.17
(1,3443)	1:18:A:LYS:HG3	1:20:A:SER:H	8	0.17
(1,3376)	1:50:B:THR:HG23	1:35:B:LYS:HB3	12	0.17
(1,3375)	1:50:A:THR:HG23	1:35:A:LYS:HB3	12	0.17
(1,3358)	1:39:B:THR:HG21	1:35:B:LYS:HE2	9	0.17
(1,3358)	1:39:B:THR:HG21	1:36:B:GLU:HG3	18	0.17
(1,3357)	1:39:A:THR:HG21	1:36:A:GLU:HG3	18	0.17
(1,3351)	1:13:A:VAL:HG11	1:90:B:PHE:H	11	0.17
(1,3307)	1:31:A:LYS:HB3	1:31:A:LYS:HA	15	0.17
(1,3288)	1:87:B:ASN:HD21	1:90:B:PHE:H	7	0.17
(1,3288)	1:87:B:ASN:HD21	1:90:B:PHE:H	9	0.17
(1,3287)	1:87:A:ASN:HD21	1:90:A:PHE:H	7	0.17
(1,3287)	1:87:A:ASN:HD21	1:90:A:PHE:H	9	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3258)	1:73:B:GLN:H	1:87:A:ASN:HD21	4	0.17
(1,3258)	1:73:B:GLN:H	1:87:A:ASN:HD21	17	0.17
(1,3257)	1:73:A:GLN:H	1:87:B:ASN:HD21	14	0.17
(1,3248)	1:88:B:GLU:H	1:73:A:GLN:H	2	0.17
(1,3247)	1:88:A:GLU:H	1:73:B:GLN:H	2	0.17
(1,3247)	1:88:A:GLU:H	1:73:B:GLN:H	13	0.17
(1,3166)	1:30:B:ASN:HD22	1:29:B:LEU:H	18	0.17
(1,3165)	1:30:A:ASN:HD22	1:29:A:LEU:H	18	0.17
(1,3138)	1:61:B:ASN:HD22	1:61:B:ASN:HB3	7	0.17
(1,3138)	1:61:B:ASN:HD22	1:61:B:ASN:HB3	16	0.17
(1,3138)	1:61:B:ASN:HD22	1:61:B:ASN:HB3	18	0.17
(1,3138)	1:61:B:ASN:HD22	1:61:B:ASN:HB3	19	0.17
(1,3137)	1:61:A:ASN:HD22	1:61:A:ASN:HB3	7	0.17
(1,3137)	1:61:A:ASN:HD22	1:61:A:ASN:HB3	16	0.17
(1,3137)	1:61:A:ASN:HD22	1:61:A:ASN:HB3	18	0.17
(1,3127)	1:73:A:GLN:HE22	1:77:A:VAL:HB	8	0.17
(1,3020)	1:68:B:ASN:HD22	1:66:B:ARG:HG3	15	0.17
(1,3019)	1:68:A:ASN:HD22	1:66:A:ARG:HG3	15	0.17
(1,3015)	1:68:A:ASN:HD22	1:59:A:MET:HA	11	0.17
(1,2830)	1:23:B:GLU:H	1:33:B:GLU:HG2	15	0.17
(1,2774)	1:59:B:MET:H	1:62:B:LEU:HD13	12	0.17
(1,2774)	1:59:B:MET:H	1:62:B:LEU:HD13	19	0.17
(1,2773)	1:59:A:MET:H	1:62:A:LEU:HD13	19	0.17
(1,2736)	1:46:B:LEU:H	1:82:B:ILE:HD12	4	0.17
(1,2735)	1:46:A:LEU:H	1:82:A:ILE:HD12	4	0.17
(1,2735)	1:46:A:LEU:H	1:82:A:ILE:HD12	6	0.17
(1,2680)	1:7:B:LYS:H	1:7:B:LYS:HG3	4	0.17
(1,2680)	1:7:B:LYS:H	1:7:B:LYS:HG3	20	0.17
(1,2679)	1:7:A:LYS:H	1:7:A:LYS:HG3	4	0.17
(1,2679)	1:7:A:LYS:H	1:7:A:LYS:HG3	7	0.17
(1,2679)	1:7:A:LYS:H	1:7:A:LYS:HG3	10	0.17
(1,2679)	1:7:A:LYS:H	1:7:A:LYS:HG3	12	0.17
(1,2679)	1:7:A:LYS:H	1:7:A:LYS:HG3	20	0.17
(1,2584)	1:16:B:PHE:H	1:29:B:LEU:HD11	14	0.17
(1,2583)	1:16:A:PHE:H	1:29:A:LEU:HD11	14	0.17
(1,2544)	1:93:B:PHE:H	1:92:B:GLY:HA3	15	0.17
(1,2543)	1:93:A:PHE:H	1:92:A:GLY:HA3	15	0.17
(1,2508)	1:42:B:LEU:H	1:41:B:GLU:HB3	10	0.17
(1,2508)	1:42:B:LEU:H	1:41:B:GLU:HB3	19	0.17
(1,2507)	1:42:A:LEU:H	1:41:A:GLU:HB3	10	0.17
(1,2507)	1:42:A:LEU:H	1:41:A:GLU:HB3	19	0.17
(1,2462)	1:37:B:LEU:H	1:29:B:LEU:HD11	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2461)	1:37:A:LEU:H	1:29:A:LEU:HD11	2	0.17
(1,2412)	1:52:B:GLU:H	1:51:B:ASP:HB3	3	0.17
(1,2412)	1:52:B:GLU:H	1:51:B:ASP:HB3	6	0.17
(1,2411)	1:52:A:GLU:H	1:51:A:ASP:HB3	6	0.17
(1,2388)	1:18:B:LYS:H	1:18:B:LYS:HE2	6	0.17
(1,2304)	1:45:B:PHE:H	1:7:A:LYS:HD2	3	0.17
(1,2303)	1:45:A:PHE:H	1:7:B:LYS:HD2	14	0.17
(1,2288)	1:3:B:SER:H	1:6:B:GLU:HA	14	0.17
(1,2287)	1:3:A:SER:H	1:6:A:GLU:HA	14	0.17
(1,2286)	1:3:B:SER:H	1:40:A:ARG:HA	13	0.17
(1,2285)	1:3:A:SER:H	1:40:B:ARG:HA	5	0.17
(1,2285)	1:3:A:SER:H	1:40:B:ARG:HA	13	0.17
(1,2234)	1:33:B:GLU:H	1:22:B:LYS:HE3	13	0.17
(1,2220)	1:100:B:LYS:H	1:97:B:GLN:HG3	11	0.17
(1,2219)	1:100:A:LYS:H	1:97:A:GLN:HG3	11	0.17
(1,2194)	1:12:B:MET:H	1:79:B:LEU:HD11	19	0.17
(1,2193)	1:12:A:MET:H	1:79:A:LEU:HD11	19	0.17
(1,2166)	1:70:B:VAL:H	1:69:B:GLU:HB2	3	0.17
(1,2166)	1:70:B:VAL:H	1:69:B:GLU:HB2	10	0.17
(1,2165)	1:70:A:VAL:H	1:69:A:GLU:HB2	3	0.17
(1,2162)	1:70:B:VAL:H	1:31:B:LYS:HA	4	0.17
(1,2162)	1:70:B:VAL:H	1:31:B:LYS:HA	17	0.17
(1,2161)	1:70:A:VAL:H	1:31:A:LYS:HA	4	0.17
(1,2161)	1:70:A:VAL:H	1:31:A:LYS:HA	17	0.17
(1,2137)	1:29:A:LEU:H	1:73:A:GLN:H	19	0.17
(1,2085)	1:39:A:THR:HB	1:40:A:ARG:HD3	18	0.17
(1,2056)	1:77:B:VAL:HA	1:73:B:GLN:HG2	16	0.17
(1,2055)	1:77:A:VAL:HA	1:73:A:GLN:HG2	16	0.17
(1,2035)	1:43:A:PRO:HA	1:7:B:LYS:HD2	12	0.17
(1,2012)	1:94:B:PRO:HA	1:95:B:ASP:HB3	10	0.17
(1,1931)	1:32:A:SER:HA	1:31:A:LYS:HD2	17	0.17
(1,1844)	1:37:B:LEU:HA	1:29:B:LEU:HD13	1	0.17
(1,1844)	1:37:B:LEU:HA	1:29:B:LEU:HD13	17	0.17
(1,1843)	1:37:A:LEU:HA	1:29:A:LEU:HD13	1	0.17
(1,1843)	1:37:A:LEU:HA	1:29:A:LEU:HD13	17	0.17
(1,1842)	1:37:B:LEU:HD23	1:37:B:LEU:HA	16	0.17
(1,1841)	1:37:A:LEU:HD23	1:37:A:LEU:HA	16	0.17
(1,1786)	1:59:B:MET:HA	1:59:B:MET:HG2	8	0.17
(1,1785)	1:59:A:MET:HA	1:59:A:MET:HG2	8	0.17
(1,1784)	1:56:B:GLN:HA	1:56:B:GLN:HG3	1	0.17
(1,1784)	1:56:B:GLN:HA	1:56:B:GLN:HG3	13	0.17
(1,1784)	1:56:B:GLN:HA	1:56:B:GLN:HG3	19	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1783)	1:56:A:GLN:HA	1:56:A:GLN:HG3	1	0.17
(1,1783)	1:56:A:GLN:HA	1:56:A:GLN:HG3	13	0.17
(1,1783)	1:56:A:GLN:HA	1:56:A:GLN:HG3	19	0.17
(1,1780)	1:74:B:GLU:HG3	1:74:B:GLU:HA	15	0.17
(1,1779)	1:74:A:GLU:HG3	1:74:A:GLU:HA	15	0.17
(1,1714)	1:10:B:ASP:HA	1:82:A:ILE:HG23	8	0.17
(1,1662)	1:27:B:PHE:HA	1:20:B:SER:HB3	16	0.17
(1,1661)	1:27:A:PHE:HA	1:20:A:SER:HB3	16	0.17
(1,1660)	1:46:B:LEU:HA	1:45:B:PHE:HB2	9	0.17
(1,1602)	1:69:B:GLU:HA	1:34:B:LEU:HD12	8	0.17
(1,1601)	1:69:A:GLU:HA	1:34:A:LEU:HD12	8	0.17
(1,1550)	1:98:B:PRO:HD3	1:101:B:LYS:HG2	5	0.17
(1,1549)	1:98:A:PRO:HD3	1:101:A:LYS:HG2	5	0.17
(1,1545)	1:43:A:PRO:HD2	1:7:B:LYS:HD2	3	0.17
(1,1522)	1:21:B:GLY:HA3	1:26:B:LYS:HG3	13	0.17
(1,1522)	1:21:B:GLY:HA3	1:26:B:LYS:HG3	18	0.17
(1,1521)	1:21:A:GLY:HA3	1:26:A:LYS:HG3	13	0.17
(1,1521)	1:21:A:GLY:HA3	1:26:A:LYS:HG3	18	0.17
(1,1494)	1:42:B:LEU:HB2	1:42:B:LEU:HD21	20	0.17
(1,1493)	1:42:A:LEU:HB2	1:42:A:LEU:HD22	9	0.17
(1,1493)	1:42:A:LEU:HB2	1:42:A:LEU:HD21	20	0.17
(1,1485)	1:42:A:LEU:HB3	1:41:A:GLU:HB3	9	0.17
(1,1480)	1:42:B:LEU:HB2	1:45:B:PHE:HA	20	0.17
(1,1479)	1:42:A:LEU:HB2	1:45:A:PHE:HA	20	0.17
(1,1468)	1:29:B:LEU:HB2	1:31:B:LYS:HA	11	0.17
(1,1467)	1:29:A:LEU:HB2	1:31:A:LYS:HA	11	0.17
(1,1344)	1:22:B:LYS:HE3	1:33:B:GLU:HG2	15	0.17
(1,1278)	1:10:B:ASP:HB3	1:12:B:MET:H	15	0.17
(1,1278)	1:10:B:ASP:HB3	1:12:B:MET:H	19	0.17
(1,1277)	1:10:A:ASP:HB3	1:12:A:MET:H	19	0.17
(1,1268)	1:19:B:TYR:HB3	1:29:B:LEU:HD11	9	0.17
(1,1268)	1:19:B:TYR:HB3	1:29:B:LEU:HD11	18	0.17
(1,1267)	1:19:A:TYR:HB3	1:29:A:LEU:HD11	9	0.17
(1,1267)	1:19:A:TYR:HB3	1:29:A:LEU:HD11	18	0.17
(1,1208)	1:61:B:ASN:HB3	1:62:B:LEU:HG	1	0.17
(1,1208)	1:61:B:ASN:HB3	1:62:B:LEU:HG	7	0.17
(1,1208)	1:61:B:ASN:HB3	1:62:B:LEU:HG	18	0.17
(1,1207)	1:61:A:ASN:HB3	1:62:A:LEU:HG	1	0.17
(1,1207)	1:61:A:ASN:HB3	1:62:A:LEU:HG	2	0.17
(1,1207)	1:61:A:ASN:HB3	1:62:A:LEU:HG	7	0.17
(1,1207)	1:61:A:ASN:HB3	1:62:A:LEU:HG	18	0.17
(1,1121)	1:70:A:VAL:HG13	1:74:A:GLU:HG2	16	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1060)	1:88:B:GLU:HG2	1:84:B:MET:HA	20	0.17
(1,1059)	1:88:A:GLU:HG2	1:84:A:MET:HA	20	0.17
(1,1004)	1:56:B:GLN:HB3	1:56:B:GLN:HG2	11	0.17
(1,1004)	1:56:B:GLN:HB3	1:56:B:GLN:HG2	18	0.17
(1,1003)	1:56:A:GLN:HB3	1:56:A:GLN:HG2	18	0.17
(1,994)	1:74:B:GLU:H	1:73:B:GLN:HG2	5	0.17
(1,994)	1:74:B:GLU:H	1:73:B:GLN:HG2	10	0.17
(1,993)	1:74:A:GLU:H	1:73:A:GLN:HG2	5	0.17
(1,993)	1:74:A:GLU:H	1:73:A:GLN:HG2	10	0.17
(1,968)	1:97:B:GLN:HG3	1:94:B:PRO:HA	16	0.17
(1,967)	1:97:A:GLN:HG3	1:94:A:PRO:HA	16	0.17
(1,960)	1:22:B:LYS:HB3	1:33:B:GLU:HG2	4	0.17
(1,959)	1:22:A:LYS:HB3	1:33:A:GLU:HG2	4	0.17
(1,801)	1:41:A:GLU:HB2	1:5:B:LEU:HD23	14	0.17
(1,704)	1:26:B:LYS:HD2	1:26:B:LYS:HD3	2	0.17
(1,704)	1:26:B:LYS:HD2	1:26:B:LYS:HD3	3	0.17
(1,704)	1:26:B:LYS:HD2	1:26:B:LYS:HD3	4	0.17
(1,704)	1:26:B:LYS:HD2	1:26:B:LYS:HD3	6	0.17
(1,704)	1:26:B:LYS:HD2	1:26:B:LYS:HD3	14	0.17
(1,704)	1:26:B:LYS:HD2	1:26:B:LYS:HD3	20	0.17
(1,703)	1:26:A:LYS:HD2	1:26:A:LYS:HD3	2	0.17
(1,703)	1:26:A:LYS:HD2	1:26:A:LYS:HD3	3	0.17
(1,703)	1:26:A:LYS:HD2	1:26:A:LYS:HD3	4	0.17
(1,703)	1:26:A:LYS:HD2	1:26:A:LYS:HD3	6	0.17
(1,703)	1:26:A:LYS:HD2	1:26:A:LYS:HD3	8	0.17
(1,703)	1:26:A:LYS:HD2	1:26:A:LYS:HD3	10	0.17
(1,703)	1:26:A:LYS:HD2	1:26:A:LYS:HD3	14	0.17
(1,703)	1:26:A:LYS:HD2	1:26:A:LYS:HD3	16	0.17
(1,703)	1:26:A:LYS:HD2	1:26:A:LYS:HD3	20	0.17
(1,700)	1:57:B:LYS:HD2	1:56:B:GLN:HB3	20	0.17
(1,699)	1:57:A:LYS:HD2	1:56:A:GLN:HB3	20	0.17
(1,632)	1:40:B:ARG:HG2	1:41:B:GLU:H	10	0.17
(1,561)	1:9:A:LEU:HG	1:10:A:ASP:HB2	15	0.17
(1,536)	1:38:B:LEU:HD21	1:82:B:ILE:HD12	9	0.17
(1,535)	1:38:A:LEU:HD21	1:82:A:ILE:HD12	9	0.17
(1,524)	1:42:B:LEU:HD12	1:41:B:GLU:HA	14	0.17
(1,520)	1:42:B:LEU:HG	1:82:B:ILE:HD11	12	0.17
(1,507)	1:34:A:LEU:HD22	1:59:A:MET:HG2	15	0.17
(1,460)	1:46:B:LEU:HD22	1:82:B:ILE:HD11	10	0.17
(1,459)	1:46:A:LEU:HD22	1:82:A:ILE:HD11	10	0.17
(1,407)	1:46:A:LEU:HD21	1:46:A:LEU:HB3	4	0.17
(1,398)	1:7:B:LYS:HG3	1:7:B:LYS:HA	14	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,398)	1:7:B:LYS:HG3	1:7:B:LYS:HA	20	0.17
(1,397)	1:7:A:LYS:HG3	1:7:A:LYS:HA	14	0.17
(1,397)	1:7:A:LYS:HG3	1:7:A:LYS:HA	20	0.17
(1,368)	1:57:B:LYS:HG3	1:57:B:LYS:H	6	0.17
(1,368)	1:57:B:LYS:HG2	1:57:B:LYS:H	15	0.17
(1,367)	1:57:A:LYS:HG3	1:57:A:LYS:H	6	0.17
(1,338)	1:58:B:LEU:HD11	1:61:B:ASN:HB3	19	0.17
(1,337)	1:58:A:LEU:HD13	1:61:A:ASN:HB3	2	0.17
(1,337)	1:58:A:LEU:HD11	1:61:A:ASN:HB3	6	0.17
(1,323)	1:58:A:LEU:HD12	1:58:A:LEU:HB2	13	0.17
(1,274)	1:38:B:LEU:HD12	1:38:B:LEU:HD13	1	0.17
(1,274)	1:38:B:LEU:HD12	1:38:B:LEU:HD11	2	0.17
(1,274)	1:38:B:LEU:HD12	1:38:B:LEU:HD11	4	0.17
(1,274)	1:38:B:LEU:HD12	1:38:B:LEU:HD11	6	0.17
(1,274)	1:38:B:LEU:HD12	1:38:B:LEU:HD11	7	0.17
(1,274)	1:38:B:LEU:HD12	1:38:B:LEU:HD13	10	0.17
(1,274)	1:38:B:LEU:HD12	1:38:B:LEU:HD13	11	0.17
(1,274)	1:38:B:LEU:HD12	1:38:B:LEU:HD13	12	0.17
(1,274)	1:38:B:LEU:HD12	1:38:B:LEU:HD13	14	0.17
(1,274)	1:38:B:LEU:HD12	1:38:B:LEU:HD13	15	0.17
(1,274)	1:38:B:LEU:HD12	1:38:B:LEU:HD13	16	0.17
(1,274)	1:38:B:LEU:HD12	1:38:B:LEU:HD11	17	0.17
(1,274)	1:38:B:LEU:HD11	1:38:B:LEU:HD13	18	0.17
(1,274)	1:38:B:LEU:HD12	1:38:B:LEU:HD11	19	0.17
(1,274)	1:38:B:LEU:HD11	1:38:B:LEU:HD13	20	0.17
(1,273)	1:38:A:LEU:HD11	1:38:A:LEU:HD13	1	0.17
(1,273)	1:38:A:LEU:HD12	1:38:A:LEU:HD11	2	0.17
(1,273)	1:38:A:LEU:HD12	1:38:A:LEU:HD11	4	0.17
(1,273)	1:38:A:LEU:HD12	1:38:A:LEU:HD13	7	0.17
(1,273)	1:38:A:LEU:HD12	1:38:A:LEU:HD13	10	0.17
(1,273)	1:38:A:LEU:HD12	1:38:A:LEU:HD11	11	0.17
(1,273)	1:38:A:LEU:HD12	1:38:A:LEU:HD13	12	0.17
(1,273)	1:38:A:LEU:HD12	1:38:A:LEU:HD13	13	0.17
(1,273)	1:38:A:LEU:HD12	1:38:A:LEU:HD11	14	0.17
(1,273)	1:38:A:LEU:HD12	1:38:A:LEU:HD11	15	0.17
(1,273)	1:38:A:LEU:HD11	1:38:A:LEU:HD13	16	0.17
(1,273)	1:38:A:LEU:HD12	1:38:A:LEU:HD11	17	0.17
(1,273)	1:38:A:LEU:HD12	1:38:A:LEU:HD13	18	0.17
(1,273)	1:38:A:LEU:HD11	1:38:A:LEU:HD13	19	0.17
(1,273)	1:38:A:LEU:HD12	1:38:A:LEU:HD11	20	0.17
(1,251)	1:5:A:LEU:HD12	1:11:B:VAL:HB	17	0.17
(1,247)	1:5:A:LEU:HD12	1:12:B:MET:H	20	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,226)	1:71:B:ASP:H	1:70:B:VAL:HG22	13	0.17
(1,225)	1:71:A:ASP:H	1:70:A:VAL:HG22	13	0.17
(1,223)	1:70:A:VAL:HG21	1:29:A:LEU:H	2	0.17
(1,218)	1:77:B:VAL:HG22	1:74:B:GLU:HG3	18	0.17
(1,217)	1:77:A:VAL:HG22	1:74:A:GLU:HG3	18	0.17
(1,204)	1:76:B:SER:H	1:77:B:VAL:HG21	12	0.17
(1,204)	1:76:B:SER:H	1:77:B:VAL:HG21	15	0.17
(1,203)	1:76:A:SER:H	1:77:A:VAL:HG21	12	0.17
(1,203)	1:76:A:SER:H	1:77:A:VAL:HG21	15	0.17
(1,154)	1:13:B:VAL:HG11	1:87:A:ASN:HB2	20	0.17
(1,136)	1:77:B:VAL:HG13	1:73:B:GLN:HG2	13	0.17
(1,135)	1:77:A:VAL:HG13	1:73:A:GLN:HG2	13	0.17
(1,84)	1:8:B:ALA:HB2	1:10:B:ASP:HB3	8	0.17
(1,83)	1:8:A:ALA:HB2	1:10:A:ASP:HB3	8	0.17
(1,55)	1:82:A:ILE:HG22	1:45:A:PHE:HB2	19	0.17
(1,49)	1:82:A:ILE:HG21	1:86:A:SER:HB3	19	0.17
(1,30)	1:82:B:ILE:H	1:82:B:ILE:HD13	20	0.17
(1,29)	1:82:A:ILE:H	1:82:A:ILE:HD11	15	0.17
(1,10)	1:5:B:LEU:HD12	1:15:A:THR:HB	19	0.17
(1,9)	1:5:A:LEU:HD12	1:15:B:THR:HB	19	0.17
(3,118)	1:19:B:TYR:H	1:15:B:THR:O	16	0.16
(3,106)	1:13:B:VAL:H	1:9:B:LEU:O	18	0.16
(3,100)	1:10:B:ASP:H	1:6:B:GLU:O	12	0.16
(3,100)	1:10:B:ASP:H	1:6:B:GLU:O	16	0.16
(3,92)	1:91:A:GLU:H	1:87:A:ASN:O	13	0.16
(3,46)	1:48:A:LYS:H	1:44:A:SER:O	3	0.16
(3,46)	1:48:A:LYS:H	1:44:A:SER:O	11	0.16
(3,26)	1:19:A:TYR:H	1:15:A:THR:O	16	0.16
(3,14)	1:13:A:VAL:H	1:9:A:LEU:O	18	0.16
(3,8)	1:10:A:ASP:H	1:6:A:GLU:O	12	0.16
(3,8)	1:10:A:ASP:H	1:6:A:GLU:O	16	0.16
(3,8)	1:10:A:ASP:H	1:6:A:GLU:O	18	0.16
(2,228)	1:9:B:LEU:H	1:5:B:LEU:HB2	17	0.16
(2,227)	1:9:A:LEU:H	1:5:A:LEU:HB2	17	0.16
(2,222)	1:5:B:LEU:H	1:41:A:GLU:HA	20	0.16
(2,221)	1:5:A:LEU:H	1:41:B:GLU:HA	20	0.16
(2,152)	1:14:B:SER:HA	1:16:B:PHE:HA	5	0.16
(2,152)	1:14:B:SER:HA	1:16:B:PHE:HA	18	0.16
(2,151)	1:14:A:SER:HA	1:16:A:PHE:HA	5	0.16
(2,151)	1:14:A:SER:HA	1:16:A:PHE:HA	18	0.16
(2,97)	1:28:A:LYS:HA	1:30:A:ASN:HD21	4	0.16
(2,97)	1:28:A:LYS:HA	1:30:A:ASN:HD21	5	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,68)	1:59:B:MET:HB3	1:34:B:LEU:HB3	4	0.16
(2,67)	1:59:A:MET:HB3	1:34:A:LEU:HB3	4	0.16
(2,46)	1:59:B:MET:HG3	1:66:B:ARG:HD2	6	0.16
(2,45)	1:59:A:MET:HG3	1:66:A:ARG:HD2	6	0.16
(2,43)	1:98:A:PRO:HB3	1:97:A:GLN:HB2	2	0.16
(1,4608)	1:81:B:SER:H	1:76:B:SER:H	14	0.16
(1,4590)	1:62:B:LEU:H	1:59:B:MET:H	6	0.16
(1,4590)	1:62:B:LEU:H	1:59:B:MET:H	12	0.16
(1,4589)	1:62:A:LEU:H	1:59:A:MET:H	12	0.16
(1,4552)	1:56:B:GLN:HE21	1:60:B:SER:HA	14	0.16
(1,4551)	1:56:A:GLN:HE21	1:60:A:SER:HA	14	0.16
(1,4544)	1:97:B:GLN:HE21	1:76:A:SER:HB3	5	0.16
(1,4543)	1:97:A:GLN:HE21	1:76:B:SER:HB3	5	0.16
(1,4522)	1:80:B:SER:H	1:82:B:ILE:HG13	2	0.16
(1,4521)	1:80:A:SER:H	1:82:A:ILE:HG13	2	0.16
(1,4507)	1:32:A:SER:H	1:33:A:GLU:HB3	18	0.16
(1,4475)	1:86:A:SER:H	1:13:B:VAL:HG23	15	0.16
(1,4438)	1:38:B:LEU:H	1:37:B:LEU:HG	4	0.16
(1,4437)	1:38:A:LEU:H	1:37:A:LEU:HG	4	0.16
(1,4418)	1:35:B:LYS:H	1:36:B:GLU:HG3	4	0.16
(1,4396)	1:72:B:PHE:H	1:77:B:VAL:H	8	0.16
(1,4395)	1:72:A:PHE:H	1:77:A:VAL:H	8	0.16
(1,4390)	1:76:B:SER:H	1:79:B:LEU:HD12	17	0.16
(1,4389)	1:76:A:SER:H	1:79:A:LEU:HD12	17	0.16
(1,4352)	1:79:B:LEU:H	1:79:B:LEU:HB3	2	0.16
(1,4352)	1:79:B:LEU:H	1:79:B:LEU:HB3	9	0.16
(1,4352)	1:79:B:LEU:H	1:79:B:LEU:HB3	12	0.16
(1,4352)	1:79:B:LEU:H	1:79:B:LEU:HB3	14	0.16
(1,4352)	1:79:B:LEU:H	1:79:B:LEU:HB3	16	0.16
(1,4352)	1:79:B:LEU:H	1:79:B:LEU:HB3	17	0.16
(1,4351)	1:79:A:LEU:H	1:79:A:LEU:HB3	2	0.16
(1,4351)	1:79:A:LEU:H	1:79:A:LEU:HB3	9	0.16
(1,4351)	1:79:A:LEU:H	1:79:A:LEU:HB3	12	0.16
(1,4351)	1:79:A:LEU:H	1:79:A:LEU:HB3	16	0.16
(1,4351)	1:79:A:LEU:H	1:79:A:LEU:HB3	17	0.16
(1,4296)	1:64:B:SER:H	1:63:B:ASP:H	11	0.16
(1,4295)	1:64:A:SER:H	1:63:A:ASP:H	11	0.16
(1,4194)	1:77:B:VAL:HA	1:83:A:ALA:HB3	1	0.16
(1,4193)	1:77:A:VAL:HA	1:83:B:ALA:HB1	6	0.16
(1,4156)	1:16:B:PHE:HA	1:20:B:SER:HA	2	0.16
(1,4156)	1:16:B:PHE:HA	1:20:B:SER:HA	10	0.16
(1,4155)	1:16:A:PHE:HA	1:20:A:SER:HA	2	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4155)	1:16:A:PHE:HA	1:20:A:SER:HA	10	0.16
(1,4148)	1:16:B:PHE:HA	1:20:B:SER:HB3	17	0.16
(1,4147)	1:16:A:PHE:HA	1:20:A:SER:HB3	17	0.16
(1,4142)	1:32:B:SER:HA	1:36:B:GLU:HG3	18	0.16
(1,4141)	1:32:A:SER:HA	1:36:A:GLU:HG3	18	0.16
(1,4134)	1:70:B:VAL:HA	1:62:B:LEU:HB3	9	0.16
(1,4133)	1:70:A:VAL:HA	1:62:A:LEU:HB3	9	0.16
(1,4117)	1:64:A:SER:HA	1:60:A:SER:HB3	16	0.16
(1,4050)	1:62:B:LEU:HA	1:61:B:ASN:HA	15	0.16
(1,4049)	1:62:A:LEU:HA	1:61:A:ASN:HA	15	0.16
(1,4043)	1:48:A:LYS:HB2	1:48:A:LYS:HA	20	0.16
(1,4006)	1:61:B:ASN:HA	1:57:B:LYS:HA	12	0.16
(1,4005)	1:61:A:ASN:HA	1:57:A:LYS:HA	12	0.16
(1,3964)	1:2:B:ALA:HA	1:15:A:THR:HA	17	0.16
(1,3963)	1:2:A:ALA:HA	1:15:B:THR:HA	17	0.16
(1,3850)	1:9:B:LEU:HB3	1:79:A:LEU:HD12	11	0.16
(1,3849)	1:9:A:LEU:HB3	1:79:B:LEU:HD12	11	0.16
(1,3788)	1:55:B:PHE:HB2	1:35:B:LYS:HB2	1	0.16
(1,3787)	1:55:A:PHE:HB2	1:35:A:LYS:HB2	1	0.16
(1,3724)	1:69:B:GLU:HG2	1:29:B:LEU:HA	3	0.16
(1,3723)	1:69:A:GLU:HG2	1:29:A:LEU:HA	3	0.16
(1,3659)	1:18:A:LYS:HD3	1:18:A:LYS:HB2	5	0.16
(1,3632)	1:59:B:MET:HB3	1:34:B:LEU:HB3	4	0.16
(1,3631)	1:59:A:MET:HB3	1:34:A:LEU:HB3	4	0.16
(1,3578)	1:57:B:LYS:HD3	1:57:B:LYS:HE2	16	0.16
(1,3578)	1:7:B:LYS:HD2	1:7:B:LYS:HE2	19	0.16
(1,3577)	1:57:A:LYS:HD3	1:57:A:LYS:HE2	16	0.16
(1,3577)	1:7:A:LYS:HD3	1:7:A:LYS:HE3	19	0.16
(1,3562)	1:56:B:GLN:HB3	1:53:B:ALA:HB3	10	0.16
(1,3562)	1:56:B:GLN:HB3	1:53:B:ALA:HB3	11	0.16
(1,3561)	1:56:A:GLN:HB3	1:53:A:ALA:HB3	10	0.16
(1,3561)	1:56:A:GLN:HB3	1:53:A:ALA:HB3	11	0.16
(1,3492)	1:81:B:SER:H	1:79:B:LEU:HD22	16	0.16
(1,3491)	1:81:A:SER:H	1:79:A:LEU:HD22	11	0.16
(1,3476)	1:46:B:LEU:HD21	1:49:B:ARG:HD3	18	0.16
(1,3475)	1:46:A:LEU:HD21	1:49:A:ARG:HD3	18	0.16
(1,3384)	1:14:B:SER:H	1:13:B:VAL:HG23	4	0.16
(1,3383)	1:14:A:SER:H	1:13:A:VAL:HG23	4	0.16
(1,3357)	1:39:A:THR:HG21	1:35:A:LYS:HE2	9	0.16
(1,3352)	1:13:B:VAL:HG11	1:90:A:PHE:H	5	0.16
(1,3288)	1:87:B:ASN:HD21	1:90:B:PHE:H	13	0.16
(1,3288)	1:87:B:ASN:HD21	1:90:B:PHE:H	16	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3287)	1:87:A:ASN:HD21	1:90:A:PHE:H	13	0.16
(1,3287)	1:87:A:ASN:HD21	1:90:A:PHE:H	16	0.16
(1,3258)	1:73:B:GLN:H	1:87:A:ASN:HD21	1	0.16
(1,3258)	1:73:B:GLN:H	1:87:A:ASN:HD21	18	0.16
(1,3257)	1:73:A:GLN:H	1:87:B:ASN:HD21	1	0.16
(1,3257)	1:73:A:GLN:H	1:87:B:ASN:HD21	18	0.16
(1,3248)	1:88:B:GLU:H	1:73:A:GLN:H	13	0.16
(1,3238)	1:99:B:ARG:H	1:99:B:ARG:HB2	1	0.16
(1,3237)	1:99:A:ARG:H	1:99:A:ARG:HB2	1	0.16
(1,3189)	1:39:A:THR:H	1:29:A:LEU:HD13	12	0.16
(1,3138)	1:61:B:ASN:HD22	1:61:B:ASN:HB3	6	0.16
(1,3138)	1:61:B:ASN:HD22	1:61:B:ASN:HB3	8	0.16
(1,3138)	1:61:B:ASN:HD22	1:61:B:ASN:HB3	10	0.16
(1,3138)	1:61:B:ASN:HD22	1:61:B:ASN:HB3	12	0.16
(1,3137)	1:61:A:ASN:HD22	1:61:A:ASN:HB3	2	0.16
(1,3137)	1:61:A:ASN:HD22	1:61:A:ASN:HB3	5	0.16
(1,3137)	1:61:A:ASN:HD22	1:61:A:ASN:HB3	6	0.16
(1,3137)	1:61:A:ASN:HD22	1:61:A:ASN:HB3	8	0.16
(1,3137)	1:61:A:ASN:HD22	1:61:A:ASN:HB3	11	0.16
(1,3137)	1:61:A:ASN:HD22	1:61:A:ASN:HB3	13	0.16
(1,3137)	1:61:A:ASN:HD22	1:61:A:ASN:HB3	19	0.16
(1,3128)	1:73:B:GLN:HE22	1:77:B:VAL:HB	8	0.16
(1,3046)	1:41:B:GLU:H	1:29:B:LEU:HD11	7	0.16
(1,3045)	1:41:A:GLU:H	1:29:A:LEU:HD11	7	0.16
(1,3016)	1:68:B:ASN:HD22	1:59:B:MET:HA	11	0.16
(1,2912)	1:44:B:SER:H	1:42:B:LEU:HD22	18	0.16
(1,2774)	1:59:B:MET:H	1:62:B:LEU:HD13	10	0.16
(1,2774)	1:59:B:MET:H	1:62:B:LEU:HD11	18	0.16
(1,2773)	1:59:A:MET:H	1:62:A:LEU:HD13	10	0.16
(1,2773)	1:59:A:MET:H	1:62:A:LEU:HD13	12	0.16
(1,2773)	1:59:A:MET:H	1:62:A:LEU:HD11	18	0.16
(1,2692)	1:72:B:PHE:H	1:28:B:LYS:HG3	5	0.16
(1,2691)	1:72:A:PHE:H	1:28:A:LYS:HG3	5	0.16
(1,2490)	1:96:B:LYS:H	1:96:B:LYS:HB3	18	0.16
(1,2489)	1:96:A:LYS:H	1:96:A:LYS:HB3	18	0.16
(1,2440)	1:97:B:GLN:H	1:95:B:ASP:HB3	10	0.16
(1,2439)	1:97:A:GLN:H	1:95:A:ASP:HB3	10	0.16
(1,2412)	1:52:B:GLU:H	1:51:B:ASP:HB3	8	0.16
(1,2411)	1:52:A:GLU:H	1:51:A:ASP:HB3	3	0.16
(1,2388)	1:18:B:LYS:H	1:18:B:LYS:HE3	17	0.16
(1,2387)	1:18:A:LYS:H	1:18:A:LYS:HE3	17	0.16
(1,2305)	1:45:A:PHE:H	1:42:A:LEU:HD21	11	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2304)	1:45:B:PHE:H	1:7:A:LYS:HD2	12	0.16
(1,2303)	1:45:A:PHE:H	1:7:B:LYS:HD2	3	0.16
(1,2303)	1:45:A:PHE:H	1:7:B:LYS:HD2	12	0.16
(1,2288)	1:3:B:SER:H	1:6:B:GLU:HA	13	0.16
(1,2287)	1:3:A:SER:H	1:6:A:GLU:HA	13	0.16
(1,2233)	1:33:A:GLU:H	1:22:A:LYS:HE3	13	0.16
(1,2166)	1:70:B:VAL:H	1:69:B:GLU:HB2	8	0.16
(1,2166)	1:70:B:VAL:H	1:69:B:GLU:HB2	13	0.16
(1,2165)	1:70:A:VAL:H	1:69:A:GLU:HB2	7	0.16
(1,2165)	1:70:A:VAL:H	1:69:A:GLU:HB2	8	0.16
(1,2165)	1:70:A:VAL:H	1:69:A:GLU:HB2	10	0.16
(1,2165)	1:70:A:VAL:H	1:69:A:GLU:HB2	13	0.16
(1,2165)	1:70:A:VAL:H	1:69:A:GLU:HB2	14	0.16
(1,2162)	1:70:B:VAL:H	1:31:B:LYS:HA	13	0.16
(1,2161)	1:70:A:VAL:H	1:31:A:LYS:HA	13	0.16
(1,2086)	1:39:B:THR:HB	1:40:B:ARG:HD3	18	0.16
(1,2056)	1:77:B:VAL:HA	1:73:B:GLN:HG2	4	0.16
(1,2055)	1:77:A:VAL:HA	1:73:A:GLN:HG2	4	0.16
(1,2020)	1:82:B:ILE:HA	1:85:B:MET:HB3	3	0.16
(1,2019)	1:82:A:ILE:HA	1:85:A:MET:HB3	3	0.16
(1,1931)	1:32:A:SER:HA	1:31:A:LYS:HD2	3	0.16
(1,1836)	1:37:B:LEU:HA	1:40:B:ARG:HB3	8	0.16
(1,1835)	1:37:A:LEU:HA	1:40:A:ARG:HB3	8	0.16
(1,1799)	1:63:A:ASP:HA	1:74:A:GLU:HA	14	0.16
(1,1784)	1:56:B:GLN:HA	1:56:B:GLN:HG3	5	0.16
(1,1784)	1:56:B:GLN:HA	1:56:B:GLN:HG3	10	0.16
(1,1783)	1:56:A:GLN:HA	1:56:A:GLN:HG3	5	0.16
(1,1783)	1:56:A:GLN:HA	1:56:A:GLN:HG3	10	0.16
(1,1682)	1:91:B:GLU:HA	1:89:B:PHE:HA	2	0.16
(1,1682)	1:91:B:GLU:HA	1:89:B:PHE:HA	10	0.16
(1,1681)	1:91:A:GLU:HA	1:89:A:PHE:HA	2	0.16
(1,1681)	1:91:A:GLU:HA	1:89:A:PHE:HA	10	0.16
(1,1596)	1:95:B:ASP:HA	1:96:B:LYS:HG3	20	0.16
(1,1595)	1:95:A:ASP:HA	1:96:A:LYS:HG3	20	0.16
(1,1546)	1:43:B:PRO:HD2	1:7:A:LYS:HD2	3	0.16
(1,1494)	1:42:B:LEU:HB2	1:42:B:LEU:HD22	9	0.16
(1,1494)	1:42:B:LEU:HB2	1:42:B:LEU:HD22	10	0.16
(1,1486)	1:42:B:LEU:HB3	1:41:B:GLU:HB3	9	0.16
(1,1278)	1:10:B:ASP:HB3	1:12:B:MET:H	9	0.16
(1,1268)	1:19:B:TYR:HB3	1:29:B:LEU:HD12	13	0.16
(1,1267)	1:19:A:TYR:HB3	1:29:A:LEU:HD12	13	0.16
(1,1252)	1:63:B:ASP:HB2	1:60:B:SER:HA	2	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1238)	1:18:B:LYS:HB3	1:16:B:PHE:HB2	17	0.16
(1,1218)	1:57:B:LYS:HE3	1:54:B:ALA:H	4	0.16
(1,1217)	1:57:A:LYS:HE3	1:54:A:ALA:H	4	0.16
(1,1208)	1:61:B:ASN:HB3	1:62:B:LEU:HG	3	0.16
(1,1208)	1:61:B:ASN:HB3	1:62:B:LEU:HG	9	0.16
(1,1208)	1:61:B:ASN:HB3	1:62:B:LEU:HG	10	0.16
(1,1208)	1:61:B:ASN:HB3	1:62:B:LEU:HG	17	0.16
(1,1207)	1:61:A:ASN:HB3	1:62:A:LEU:HG	3	0.16
(1,1207)	1:61:A:ASN:HB3	1:62:A:LEU:HG	9	0.16
(1,1207)	1:61:A:ASN:HB3	1:62:A:LEU:HG	17	0.16
(1,1207)	1:61:A:ASN:HB3	1:62:A:LEU:HG	20	0.16
(1,1122)	1:70:B:VAL:HG13	1:74:B:GLU:HG2	16	0.16
(1,1070)	1:88:B:GLU:HG3	1:96:B:LYS:HE2	7	0.16
(1,1069)	1:88:A:GLU:HG3	1:96:A:LYS:HE2	7	0.16
(1,1028)	1:41:B:GLU:HG3	1:37:B:LEU:HG	18	0.16
(1,1027)	1:41:A:GLU:HG3	1:37:A:LEU:HG	13	0.16
(1,1027)	1:41:A:GLU:HG3	1:37:A:LEU:HG	15	0.16
(1,1027)	1:41:A:GLU:HG3	1:37:A:LEU:HG	18	0.16
(1,1004)	1:56:B:GLN:HB3	1:56:B:GLN:HG2	1	0.16
(1,1004)	1:56:B:GLN:HB3	1:56:B:GLN:HG2	7	0.16
(1,1004)	1:56:B:GLN:HB3	1:56:B:GLN:HG2	10	0.16
(1,1004)	1:56:B:GLN:HB2	1:56:B:GLN:HG3	12	0.16
(1,1004)	1:56:B:GLN:HB2	1:56:B:GLN:HG2	19	0.16
(1,1003)	1:56:A:GLN:HB3	1:56:A:GLN:HG2	1	0.16
(1,1003)	1:56:A:GLN:HB3	1:56:A:GLN:HG2	7	0.16
(1,1003)	1:56:A:GLN:HB3	1:56:A:GLN:HG2	10	0.16
(1,1003)	1:56:A:GLN:HB2	1:56:A:GLN:HG3	12	0.16
(1,1003)	1:56:A:GLN:HB2	1:56:A:GLN:HG2	19	0.16
(1,970)	1:97:B:GLN:HG2	1:95:B:ASP:HB3	11	0.16
(1,970)	1:97:B:GLN:HG2	1:95:B:ASP:HB3	19	0.16
(1,969)	1:97:A:GLN:HG2	1:95:A:ASP:HB3	11	0.16
(1,959)	1:22:A:LYS:HB3	1:33:A:GLU:HG2	16	0.16
(1,838)	1:34:B:LEU:HD21	1:59:B:MET:HB3	20	0.16
(1,837)	1:34:A:LEU:HD21	1:59:A:MET:HB3	20	0.16
(1,794)	1:17:B:HIS:HB3	1:16:B:PHE:HA	11	0.16
(1,793)	1:17:A:HIS:HB3	1:16:A:PHE:HA	11	0.16
(1,704)	1:26:B:LYS:HD2	1:26:B:LYS:HD3	1	0.16
(1,704)	1:26:B:LYS:HD2	1:26:B:LYS:HD3	5	0.16
(1,704)	1:26:B:LYS:HD2	1:26:B:LYS:HD3	7	0.16
(1,704)	1:26:B:LYS:HD2	1:26:B:LYS:HD3	8	0.16
(1,704)	1:26:B:LYS:HD2	1:26:B:LYS:HD3	9	0.16
(1,704)	1:26:B:LYS:HD2	1:26:B:LYS:HD3	10	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,704)	1:26:B:LYS:HD2	1:26:B:LYS:HD3	11	0.16
(1,704)	1:26:B:LYS:HD2	1:26:B:LYS:HD3	12	0.16
(1,704)	1:26:B:LYS:HD2	1:26:B:LYS:HD3	13	0.16
(1,704)	1:26:B:LYS:HD2	1:26:B:LYS:HD3	15	0.16
(1,704)	1:26:B:LYS:HD2	1:26:B:LYS:HD3	16	0.16
(1,704)	1:26:B:LYS:HD2	1:26:B:LYS:HD3	17	0.16
(1,704)	1:26:B:LYS:HD2	1:26:B:LYS:HD3	18	0.16
(1,704)	1:26:B:LYS:HD2	1:26:B:LYS:HD3	19	0.16
(1,703)	1:26:A:LYS:HD2	1:26:A:LYS:HD3	1	0.16
(1,703)	1:26:A:LYS:HD2	1:26:A:LYS:HD3	5	0.16
(1,703)	1:26:A:LYS:HD2	1:26:A:LYS:HD3	7	0.16
(1,703)	1:26:A:LYS:HD2	1:26:A:LYS:HD3	9	0.16
(1,703)	1:26:A:LYS:HD2	1:26:A:LYS:HD3	11	0.16
(1,703)	1:26:A:LYS:HD2	1:26:A:LYS:HD3	12	0.16
(1,703)	1:26:A:LYS:HD2	1:26:A:LYS:HD3	13	0.16
(1,703)	1:26:A:LYS:HD2	1:26:A:LYS:HD3	15	0.16
(1,703)	1:26:A:LYS:HD2	1:26:A:LYS:HD3	17	0.16
(1,703)	1:26:A:LYS:HD2	1:26:A:LYS:HD3	18	0.16
(1,703)	1:26:A:LYS:HD2	1:26:A:LYS:HD3	19	0.16
(1,700)	1:57:B:LYS:HD3	1:56:B:GLN:HB3	2	0.16
(1,674)	1:35:B:LYS:HD3	1:35:B:LYS:H	16	0.16
(1,673)	1:35:A:LYS:HD3	1:35:A:LYS:H	16	0.16
(1,562)	1:9:B:LEU:HG	1:10:B:ASP:HB2	20	0.16
(1,561)	1:9:A:LEU:HG	1:10:A:ASP:HB2	3	0.16
(1,561)	1:9:A:LEU:HG	1:10:A:ASP:HB2	20	0.16
(1,558)	1:9:B:LEU:HG	1:9:B:LEU:HA	17	0.16
(1,557)	1:9:A:LEU:HG	1:9:A:LEU:HA	17	0.16
(1,534)	1:38:B:LEU:HD22	1:62:B:LEU:HD11	16	0.16
(1,533)	1:38:A:LEU:HD22	1:62:A:LEU:HD11	16	0.16
(1,519)	1:42:A:LEU:HG	1:82:A:ILE:HD11	12	0.16
(1,440)	1:22:B:LYS:HG3	1:33:B:GLU:HG2	15	0.16
(1,439)	1:22:A:LYS:HG3	1:33:A:GLU:HG2	15	0.16
(1,408)	1:46:B:LEU:HD21	1:46:B:LEU:HB3	4	0.16
(1,408)	1:46:B:LEU:HD23	1:46:B:LEU:HB3	15	0.16
(1,408)	1:46:B:LEU:HD21	1:46:B:LEU:HB3	17	0.16
(1,407)	1:46:A:LEU:HD23	1:46:A:LEU:HB3	15	0.16
(1,407)	1:46:A:LEU:HD21	1:46:A:LEU:HB3	17	0.16
(1,398)	1:7:B:LYS:HG3	1:7:B:LYS:HA	6	0.16
(1,398)	1:7:B:LYS:HG3	1:7:B:LYS:HA	12	0.16
(1,397)	1:7:A:LYS:HG3	1:7:A:LYS:HA	6	0.16
(1,397)	1:7:A:LYS:HG3	1:7:A:LYS:HA	12	0.16
(1,368)	1:57:B:LYS:HG3	1:57:B:LYS:H	7	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,368)	1:57:B:LYS:HG2	1:57:B:LYS:H	18	0.16
(1,367)	1:57:A:LYS:HG2	1:57:A:LYS:H	15	0.16
(1,367)	1:57:A:LYS:HG2	1:57:A:LYS:H	18	0.16
(1,324)	1:58:B:LEU:HD12	1:58:B:LEU:HB2	13	0.16
(1,276)	1:9:B:LEU:HD11	1:79:A:LEU:HD13	5	0.16
(1,275)	1:9:A:LEU:HD11	1:79:B:LEU:HD13	5	0.16
(1,274)	1:38:B:LEU:HD11	1:38:B:LEU:HD13	3	0.16
(1,274)	1:38:B:LEU:HD11	1:38:B:LEU:HD13	5	0.16
(1,274)	1:38:B:LEU:HD12	1:38:B:LEU:HD13	8	0.16
(1,274)	1:38:B:LEU:HD12	1:38:B:LEU:HD13	9	0.16
(1,274)	1:38:B:LEU:HD12	1:38:B:LEU:HD13	13	0.16
(1,273)	1:38:A:LEU:HD11	1:38:A:LEU:HD13	3	0.16
(1,273)	1:38:A:LEU:HD11	1:38:A:LEU:HD13	5	0.16
(1,273)	1:38:A:LEU:HD12	1:38:A:LEU:HD11	6	0.16
(1,273)	1:38:A:LEU:HD12	1:38:A:LEU:HD13	8	0.16
(1,273)	1:38:A:LEU:HD12	1:38:A:LEU:HD13	9	0.16
(1,248)	1:5:B:LEU:HD12	1:12:A:MET:H	20	0.16
(1,234)	1:13:B:VAL:HG23	1:13:B:VAL:HA	7	0.16
(1,234)	1:13:B:VAL:HG21	1:13:B:VAL:HA	19	0.16
(1,233)	1:13:A:VAL:HG23	1:13:A:VAL:HA	7	0.16
(1,233)	1:13:A:VAL:HG21	1:13:A:VAL:HA	19	0.16
(1,224)	1:70:B:VAL:HG21	1:29:B:LEU:H	2	0.16
(1,218)	1:77:B:VAL:HG23	1:74:B:GLU:HG3	15	0.16
(1,217)	1:77:A:VAL:HG23	1:74:A:GLU:HG3	15	0.16
(1,206)	1:34:B:LEU:HD12	1:38:B:LEU:H	15	0.16
(1,203)	1:76:A:SER:H	1:77:A:VAL:HG21	9	0.16
(1,190)	1:16:B:PHE:H	1:79:B:LEU:HD11	2	0.16
(1,190)	1:16:B:PHE:H	1:79:B:LEU:HD11	11	0.16
(1,190)	1:16:B:PHE:H	1:79:B:LEU:HD12	15	0.16
(1,189)	1:16:A:PHE:H	1:79:A:LEU:HD11	2	0.16
(1,189)	1:16:A:PHE:H	1:79:A:LEU:HD11	11	0.16
(1,189)	1:16:A:PHE:H	1:79:A:LEU:HD12	15	0.16
(1,96)	1:53:B:ALA:HB2	1:53:B:ALA:HB1	1	0.16
(1,96)	1:53:B:ALA:HB2	1:53:B:ALA:HB1	2	0.16
(1,96)	1:53:B:ALA:HB1	1:53:B:ALA:HB3	3	0.16
(1,96)	1:53:B:ALA:HB2	1:53:B:ALA:HB3	4	0.16
(1,96)	1:53:B:ALA:HB1	1:53:B:ALA:HB3	5	0.16
(1,96)	1:53:B:ALA:HB2	1:53:B:ALA:HB3	6	0.16
(1,96)	1:53:B:ALA:HB2	1:53:B:ALA:HB1	7	0.16
(1,96)	1:53:B:ALA:HB1	1:53:B:ALA:HB3	8	0.16
(1,96)	1:53:B:ALA:HB2	1:53:B:ALA:HB1	11	0.16
(1,96)	1:53:B:ALA:HB1	1:53:B:ALA:HB3	12	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,96)	1:53:B:ALA:HB2	1:53:B:ALA:HB1	13	0.16
(1,96)	1:53:B:ALA:HB2	1:53:B:ALA:HB3	14	0.16
(1,96)	1:53:B:ALA:HB1	1:53:B:ALA:HB3	15	0.16
(1,96)	1:53:B:ALA:HB2	1:53:B:ALA:HB3	16	0.16
(1,96)	1:53:B:ALA:HB2	1:53:B:ALA:HB3	17	0.16
(1,96)	1:53:B:ALA:HB2	1:53:B:ALA:HB3	18	0.16
(1,96)	1:53:B:ALA:HB1	1:53:B:ALA:HB3	19	0.16
(1,96)	1:53:B:ALA:HB2	1:53:B:ALA:HB1	20	0.16
(1,95)	1:53:A:ALA:HB1	1:53:A:ALA:HB3	1	0.16
(1,95)	1:53:A:ALA:HB2	1:53:A:ALA:HB3	2	0.16
(1,95)	1:53:A:ALA:HB2	1:53:A:ALA:HB1	3	0.16
(1,95)	1:53:A:ALA:HB1	1:53:A:ALA:HB3	4	0.16
(1,95)	1:53:A:ALA:HB2	1:53:A:ALA:HB3	5	0.16
(1,95)	1:53:A:ALA:HB2	1:53:A:ALA:HB3	6	0.16
(1,95)	1:53:A:ALA:HB1	1:53:A:ALA:HB3	7	0.16
(1,95)	1:53:A:ALA:HB2	1:53:A:ALA:HB3	8	0.16
(1,95)	1:53:A:ALA:HB2	1:53:A:ALA:HB3	9	0.16
(1,95)	1:53:A:ALA:HB1	1:53:A:ALA:HB3	10	0.16
(1,95)	1:53:A:ALA:HB2	1:53:A:ALA:HB1	11	0.16
(1,95)	1:53:A:ALA:HB2	1:53:A:ALA:HB3	12	0.16
(1,95)	1:53:A:ALA:HB2	1:53:A:ALA:HB1	13	0.16
(1,95)	1:53:A:ALA:HB1	1:53:A:ALA:HB3	14	0.16
(1,95)	1:53:A:ALA:HB1	1:53:A:ALA:HB3	15	0.16
(1,95)	1:53:A:ALA:HB1	1:53:A:ALA:HB3	17	0.16
(1,95)	1:53:A:ALA:HB2	1:53:A:ALA:HB1	18	0.16
(1,95)	1:53:A:ALA:HB1	1:53:A:ALA:HB3	20	0.16
(1,56)	1:82:B:ILE:HG22	1:45:B:PHE:HB2	19	0.16
(1,50)	1:82:B:ILE:HG23	1:86:B:SER:HB3	13	0.16
(1,49)	1:82:A:ILE:HG23	1:86:A:SER:HB3	13	0.16
(1,30)	1:82:B:ILE:H	1:82:B:ILE:HD13	4	0.16
(1,29)	1:82:A:ILE:H	1:82:A:ILE:HD13	4	0.16
(1,29)	1:82:A:ILE:H	1:82:A:ILE:HD13	20	0.16
(1,10)	1:5:B:LEU:HD11	1:15:A:THR:HB	5	0.16
(1,10)	1:5:B:LEU:HD13	1:15:A:THR:HB	16	0.16
(1,9)	1:5:A:LEU:HD11	1:15:B:THR:HB	5	0.16
(1,9)	1:5:A:LEU:HD13	1:15:B:THR:HB	16	0.16
(3,184)	1:91:B:GLU:H	1:87:B:ASN:O	19	0.15
(3,145)	1:59:B:MET:N	1:55:B:PHE:O	12	0.15
(3,138)	1:48:B:LYS:H	1:44:B:SER:O	5	0.15
(3,136)	1:47:B:GLY:H	1:43:B:PRO:O	1	0.15
(3,118)	1:19:B:TYR:H	1:15:B:THR:O	4	0.15
(3,118)	1:19:B:TYR:H	1:15:B:THR:O	12	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,109)	1:15:B:THR:N	1:11:B:VAL:O	12	0.15
(3,108)	1:14:B:SER:H	1:10:B:ASP:O	14	0.15
(3,106)	1:13:B:VAL:H	1:9:B:LEU:O	10	0.15
(3,92)	1:91:A:GLU:H	1:87:A:ASN:O	19	0.15
(3,53)	1:59:A:MET:N	1:55:A:PHE:O	12	0.15
(3,46)	1:48:A:LYS:H	1:44:A:SER:O	5	0.15
(3,44)	1:47:A:GLY:H	1:43:A:PRO:O	1	0.15
(3,26)	1:19:A:TYR:H	1:15:A:THR:O	4	0.15
(3,26)	1:19:A:TYR:H	1:15:A:THR:O	12	0.15
(3,16)	1:14:A:SER:H	1:10:A:ASP:O	14	0.15
(3,14)	1:13:A:VAL:H	1:9:A:LEU:O	10	0.15
(2,254)	1:23:B:GLU:H	1:33:B:GLU:H	10	0.15
(2,253)	1:23:A:GLU:H	1:33:A:GLU:H	10	0.15
(2,196)	1:22:B:LYS:H	1:19:B:TYR:HB2	5	0.15
(2,152)	1:14:B:SER:HA	1:16:B:PHE:HA	2	0.15
(2,152)	1:14:B:SER:HA	1:16:B:PHE:HA	13	0.15
(2,152)	1:14:B:SER:HA	1:16:B:PHE:HA	19	0.15
(2,151)	1:14:A:SER:HA	1:16:A:PHE:HA	2	0.15
(2,151)	1:14:A:SER:HA	1:16:A:PHE:HA	13	0.15
(2,151)	1:14:A:SER:HA	1:16:A:PHE:HA	19	0.15
(2,98)	1:28:B:LYS:HA	1:30:B:ASN:HD21	4	0.15
(2,84)	1:63:B:ASP:HA	1:59:B:MET:HG2	8	0.15
(2,83)	1:63:A:ASP:HA	1:59:A:MET:HG2	8	0.15
(2,44)	1:98:B:PRO:HB3	1:97:B:GLN:HB2	2	0.15
(2,44)	1:98:B:PRO:HB3	1:97:B:GLN:HB2	12	0.15
(2,44)	1:98:B:PRO:HB3	1:97:B:GLN:HB2	20	0.15
(2,43)	1:98:A:PRO:HB3	1:97:A:GLN:HB2	12	0.15
(2,43)	1:98:A:PRO:HB3	1:97:A:GLN:HB2	20	0.15
(2,32)	1:17:B:HIS:HB2	1:21:B:GLY:HA3	8	0.15
(2,32)	1:17:B:HIS:HB2	1:21:B:GLY:HA3	18	0.15
(2,31)	1:17:A:HIS:HB2	1:21:A:GLY:HA3	8	0.15
(1,4604)	1:73:B:GLN:H	1:13:B:VAL:HG13	1	0.15
(1,4603)	1:73:A:GLN:H	1:13:A:VAL:HG13	1	0.15
(1,4589)	1:62:A:LEU:H	1:59:A:MET:H	6	0.15
(1,4520)	1:80:B:SER:H	1:84:B:MET:H	3	0.15
(1,4519)	1:80:A:SER:H	1:84:A:MET:H	3	0.15
(1,4508)	1:32:B:SER:H	1:33:B:GLU:HB3	18	0.15
(1,4487)	1:17:A:HIS:H	1:26:A:LYS:HD2	15	0.15
(1,4474)	1:85:B:MET:H	1:83:B:ALA:HB3	17	0.15
(1,4473)	1:85:A:MET:H	1:83:A:ALA:HB2	12	0.15
(1,4460)	1:68:B:ASN:H	1:70:B:VAL:HG21	5	0.15
(1,4459)	1:68:A:ASN:H	1:70:A:VAL:HG21	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4417)	1:35:A:LYS:H	1:36:A:GLU:HG3	4	0.15
(1,4417)	1:35:A:LYS:H	1:36:A:GLU:HG3	15	0.15
(1,4408)	1:61:B:ASN:H	1:62:B:LEU:HG	3	0.15
(1,4408)	1:61:B:ASN:H	1:62:B:LEU:HG	17	0.15
(1,4408)	1:61:B:ASN:H	1:62:B:LEU:HG	18	0.15
(1,4408)	1:61:B:ASN:H	1:62:B:LEU:HG	19	0.15
(1,4407)	1:61:A:ASN:H	1:62:A:LEU:HG	3	0.15
(1,4407)	1:61:A:ASN:H	1:62:A:LEU:HG	17	0.15
(1,4407)	1:61:A:ASN:H	1:62:A:LEU:HG	18	0.15
(1,4407)	1:61:A:ASN:H	1:62:A:LEU:HG	19	0.15
(1,4352)	1:79:B:LEU:H	1:79:B:LEU:HB3	18	0.15
(1,4351)	1:79:A:LEU:H	1:79:A:LEU:HB3	18	0.15
(1,4314)	1:74:B:GLU:H	1:74:B:GLU:HB3	13	0.15
(1,4313)	1:74:A:GLU:H	1:74:A:GLU:HB3	13	0.15
(1,4310)	1:22:B:LYS:H	1:17:B:HIS:HA	5	0.15
(1,4310)	1:22:B:LYS:H	1:17:B:HIS:HA	13	0.15
(1,4309)	1:22:A:LYS:H	1:17:A:HIS:HA	5	0.15
(1,4309)	1:22:A:LYS:H	1:17:A:HIS:HA	13	0.15
(1,4296)	1:64:B:SER:H	1:63:B:ASP:H	18	0.15
(1,4295)	1:64:A:SER:H	1:63:A:ASP:H	18	0.15
(1,4295)	1:64:A:SER:H	1:63:A:ASP:H	20	0.15
(1,4270)	1:8:B:ALA:H	1:9:B:LEU:HD11	6	0.15
(1,4269)	1:8:A:ALA:H	1:9:A:LEU:HD11	6	0.15
(1,4254)	1:77:B:VAL:H	1:62:B:LEU:HB3	19	0.15
(1,4253)	1:77:A:VAL:H	1:62:A:LEU:HB3	19	0.15
(1,4228)	1:29:B:LEU:H	1:34:B:LEU:HA	12	0.15
(1,4227)	1:29:A:LEU:H	1:34:A:LEU:HA	12	0.15
(1,4216)	1:71:B:ASP:H	1:73:B:GLN:HE21	14	0.15
(1,4215)	1:71:A:ASP:H	1:73:A:GLN:HE21	14	0.15
(1,4193)	1:77:A:VAL:HA	1:83:B:ALA:HB3	1	0.15
(1,4156)	1:16:B:PHE:HA	1:20:B:SER:HA	17	0.15
(1,4155)	1:16:A:PHE:HA	1:20:A:SER:HA	17	0.15
(1,4148)	1:16:B:PHE:HA	1:20:B:SER:HB3	15	0.15
(1,4147)	1:16:A:PHE:HA	1:20:A:SER:HB3	15	0.15
(1,4142)	1:32:B:SER:HA	1:36:B:GLU:HG3	5	0.15
(1,4118)	1:64:B:SER:HA	1:60:B:SER:HB3	16	0.15
(1,4110)	1:2:B:ALA:HB2	1:6:B:GLU:HA	6	0.15
(1,4109)	1:2:A:ALA:HB2	1:6:A:GLU:HA	6	0.15
(1,4044)	1:100:B:LYS:HA	1:100:B:LYS:HB2	18	0.15
(1,4044)	1:48:B:LYS:HB2	1:48:B:LYS:HA	20	0.15
(1,4043)	1:100:A:LYS:HA	1:100:A:LYS:HB2	18	0.15
(1,4006)	1:61:B:ASN:HA	1:57:B:LYS:HA	13	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4005)	1:61:A:ASN:HA	1:57:A:LYS:HA	13	0.15
(1,3994)	1:42:B:LEU:HA	1:45:B:PHE:HA	6	0.15
(1,3994)	1:42:B:LEU:HA	1:45:B:PHE:HA	8	0.15
(1,3993)	1:42:A:LEU:HA	1:45:A:PHE:HA	6	0.15
(1,3993)	1:42:A:LEU:HA	1:45:A:PHE:HA	8	0.15
(1,3980)	1:42:B:LEU:HA	1:44:B:SER:HB3	11	0.15
(1,3979)	1:42:A:LEU:HA	1:44:A:SER:HB3	17	0.15
(1,3966)	1:2:B:ALA:HA	1:6:B:GLU:HA	20	0.15
(1,3965)	1:2:A:ALA:HA	1:6:A:GLU:HA	20	0.15
(1,3963)	1:2:A:ALA:HA	1:15:B:THR:HA	15	0.15
(1,3848)	1:9:B:LEU:HB2	1:79:A:LEU:HD12	2	0.15
(1,3847)	1:9:A:LEU:HB2	1:79:B:LEU:HD12	2	0.15
(1,3832)	1:9:B:LEU:HB2	1:12:B:MET:HB3	7	0.15
(1,3831)	1:9:A:LEU:HB2	1:12:A:MET:HB3	7	0.15
(1,3788)	1:55:B:PHE:HB2	1:35:B:LYS:HB2	2	0.15
(1,3787)	1:55:A:PHE:HB2	1:35:A:LYS:HB2	2	0.15
(1,3787)	1:55:A:PHE:HB2	1:35:A:LYS:HB2	6	0.15
(1,3780)	1:57:B:LYS:HB3	1:61:B:ASN:HB3	19	0.15
(1,3723)	1:69:A:GLU:HG2	1:29:A:LEU:HA	13	0.15
(1,3698)	1:56:B:GLN:HG3	1:57:B:LYS:HE2	11	0.15
(1,3698)	1:56:B:GLN:HG3	1:57:B:LYS:HE2	19	0.15
(1,3697)	1:56:A:GLN:HG3	1:57:A:LYS:HE2	11	0.15
(1,3697)	1:56:A:GLN:HG3	1:57:A:LYS:HE2	19	0.15
(1,3660)	1:18:B:LYS:HD3	1:18:B:LYS:HB2	5	0.15
(1,3660)	1:31:B:LYS:HB2	1:31:B:LYS:HG3	15	0.15
(1,3659)	1:31:A:LYS:HB2	1:31:A:LYS:HG3	15	0.15
(1,3654)	1:85:B:MET:HG2	1:82:B:ILE:HG12	7	0.15
(1,3643)	1:31:A:LYS:HB3	1:35:A:LYS:HA	11	0.15
(1,3592)	1:35:B:LYS:HD2	1:31:B:LYS:HG2	17	0.15
(1,3591)	1:35:A:LYS:HD2	1:31:A:LYS:HG2	17	0.15
(1,3586)	1:88:B:GLU:HB2	1:91:B:GLU:HB2	19	0.15
(1,3585)	1:88:A:GLU:HB2	1:91:A:GLU:HB2	19	0.15
(1,3556)	1:56:B:GLN:HB2	1:55:B:PHE:HB3	19	0.15
(1,3555)	1:56:A:GLN:HB2	1:55:A:PHE:HB3	19	0.15
(1,3542)	1:37:B:LEU:HD12	1:17:B:HIS:HA	1	0.15
(1,3541)	1:37:A:LEU:HD12	1:17:A:HIS:HA	1	0.15
(1,3492)	1:81:B:SER:H	1:79:B:LEU:HD22	11	0.15
(1,3491)	1:81:A:SER:H	1:79:A:LEU:HD22	16	0.15
(1,3456)	1:21:B:GLY:H	1:26:B:LYS:HG3	17	0.15
(1,3455)	1:21:A:GLY:H	1:26:A:LYS:HG3	17	0.15
(1,3384)	1:14:B:SER:H	1:13:B:VAL:HG23	14	0.15
(1,3383)	1:14:A:SER:H	1:13:A:VAL:HG23	14	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3351)	1:13:A:VAL:HG11	1:90:B:PHE:H	5	0.15
(1,3288)	1:87:B:ASN:HD21	1:90:B:PHE:H	2	0.15
(1,3288)	1:87:B:ASN:HD21	1:90:B:PHE:H	18	0.15
(1,3287)	1:87:A:ASN:HD21	1:90:A:PHE:H	2	0.15
(1,3287)	1:87:A:ASN:HD21	1:90:A:PHE:H	18	0.15
(1,3287)	1:87:A:ASN:HD21	1:90:A:PHE:H	20	0.15
(1,3264)	1:81:B:SER:H	1:82:B:ILE:HD13	13	0.15
(1,3263)	1:81:A:SER:H	1:82:A:ILE:HD13	13	0.15
(1,3257)	1:73:A:GLN:H	1:87:B:ASN:HD21	4	0.15
(1,3224)	1:36:B:GLU:H	1:40:B:ARG:HD2	1	0.15
(1,3223)	1:36:A:GLU:H	1:40:A:ARG:HD2	1	0.15
(1,3190)	1:39:B:THR:H	1:29:B:LEU:HD13	12	0.15
(1,3171)	1:30:A:ASN:HD22	1:22:A:LYS:HE3	17	0.15
(1,3165)	1:30:A:ASN:HD22	1:29:A:LEU:H	11	0.15
(1,3138)	1:61:B:ASN:HD22	1:61:B:ASN:HB3	1	0.15
(1,3138)	1:61:B:ASN:HD22	1:61:B:ASN:HB3	2	0.15
(1,3138)	1:61:B:ASN:HD22	1:61:B:ASN:HB3	3	0.15
(1,3138)	1:61:B:ASN:HD22	1:61:B:ASN:HB3	4	0.15
(1,3138)	1:61:B:ASN:HD22	1:61:B:ASN:HB3	5	0.15
(1,3138)	1:61:B:ASN:HD22	1:61:B:ASN:HB3	11	0.15
(1,3138)	1:61:B:ASN:HD22	1:61:B:ASN:HB3	13	0.15
(1,3138)	1:61:B:ASN:HD22	1:61:B:ASN:HB3	17	0.15
(1,3138)	1:61:B:ASN:HD22	1:61:B:ASN:HB3	20	0.15
(1,3137)	1:61:A:ASN:HD22	1:61:A:ASN:HB3	1	0.15
(1,3137)	1:61:A:ASN:HD22	1:61:A:ASN:HB3	3	0.15
(1,3137)	1:61:A:ASN:HD22	1:61:A:ASN:HB3	4	0.15
(1,3137)	1:61:A:ASN:HD22	1:61:A:ASN:HB3	10	0.15
(1,3137)	1:61:A:ASN:HD22	1:61:A:ASN:HB3	12	0.15
(1,3137)	1:61:A:ASN:HD22	1:61:A:ASN:HB3	17	0.15
(1,3137)	1:61:A:ASN:HD22	1:61:A:ASN:HB3	20	0.15
(1,3128)	1:73:B:GLN:HE22	1:77:B:VAL:HB	20	0.15
(1,3127)	1:73:A:GLN:HE22	1:77:A:VAL:HB	20	0.15
(1,3106)	1:50:B:THR:H	1:52:B:GLU:H	9	0.15
(1,3105)	1:50:A:THR:H	1:52:A:GLU:H	9	0.15
(1,3103)	1:65:A:ASN:HD21	1:69:A:GLU:HG3	5	0.15
(1,3048)	1:97:B:GLN:HE22	1:96:B:LYS:H	7	0.15
(1,3047)	1:97:A:GLN:HE22	1:96:A:LYS:H	7	0.15
(1,2911)	1:44:A:SER:H	1:42:A:LEU:HD22	18	0.15
(1,2819)	1:40:A:ARG:H	1:46:A:LEU:HD11	5	0.15
(1,2774)	1:59:B:MET:H	1:62:B:LEU:HD11	6	0.15
(1,2774)	1:59:B:MET:H	1:62:B:LEU:HD13	8	0.15
(1,2774)	1:59:B:MET:H	1:62:B:LEU:HD13	9	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2773)	1:59:A:MET:H	1:62:A:LEU:HD11	6	0.15
(1,2773)	1:59:A:MET:H	1:62:A:LEU:HD13	8	0.15
(1,2773)	1:59:A:MET:H	1:62:A:LEU:HD13	9	0.15
(1,2680)	1:7:B:LYS:H	1:7:B:LYS:HG3	16	0.15
(1,2680)	1:7:B:LYS:H	1:7:B:LYS:HG3	17	0.15
(1,2679)	1:7:A:LYS:H	1:7:A:LYS:HG3	16	0.15
(1,2679)	1:7:A:LYS:H	1:7:A:LYS:HG3	17	0.15
(1,2550)	1:93:B:PHE:H	1:91:B:GLU:HB2	16	0.15
(1,2549)	1:93:A:PHE:H	1:91:A:GLU:HB2	16	0.15
(1,2544)	1:93:B:PHE:H	1:92:B:GLY:HA3	3	0.15
(1,2508)	1:42:B:LEU:H	1:41:B:GLU:HB3	3	0.15
(1,2507)	1:42:A:LEU:H	1:41:A:GLU:HB3	3	0.15
(1,2462)	1:37:B:LEU:H	1:29:B:LEU:HD13	8	0.15
(1,2429)	1:74:A:GLU:H	1:97:B:GLN:HE21	9	0.15
(1,2388)	1:18:B:LYS:H	1:18:B:LYS:HE2	5	0.15
(1,2388)	1:18:B:LYS:H	1:18:B:LYS:HE2	7	0.15
(1,2387)	1:18:A:LYS:H	1:18:A:LYS:HE2	5	0.15
(1,2387)	1:18:A:LYS:H	1:18:A:LYS:HE2	7	0.15
(1,2306)	1:45:B:PHE:H	1:42:B:LEU:HD21	11	0.15
(1,2304)	1:45:B:PHE:H	1:7:A:LYS:HD2	6	0.15
(1,2304)	1:45:B:PHE:H	1:7:A:LYS:HD2	7	0.15
(1,2303)	1:45:A:PHE:H	1:7:B:LYS:HD2	4	0.15
(1,2303)	1:45:A:PHE:H	1:7:B:LYS:HD2	7	0.15
(1,2303)	1:45:A:PHE:H	1:7:B:LYS:HD2	18	0.15
(1,2288)	1:3:B:SER:H	1:6:B:GLU:HA	2	0.15
(1,2287)	1:3:A:SER:H	1:6:A:GLU:HA	2	0.15
(1,2234)	1:33:B:GLU:H	1:22:B:LYS:HE3	7	0.15
(1,2233)	1:33:A:GLU:H	1:22:A:LYS:HE3	7	0.15
(1,2166)	1:70:B:VAL:H	1:69:B:GLU:HB2	2	0.15
(1,2166)	1:70:B:VAL:H	1:69:B:GLU:HB2	7	0.15
(1,2166)	1:70:B:VAL:H	1:69:B:GLU:HB2	9	0.15
(1,2166)	1:70:B:VAL:H	1:69:B:GLU:HB2	11	0.15
(1,2166)	1:70:B:VAL:H	1:69:B:GLU:HB2	12	0.15
(1,2166)	1:70:B:VAL:H	1:69:B:GLU:HB2	14	0.15
(1,2166)	1:70:B:VAL:H	1:69:B:GLU:HB2	16	0.15
(1,2165)	1:70:A:VAL:H	1:69:A:GLU:HB2	2	0.15
(1,2165)	1:70:A:VAL:H	1:69:A:GLU:HB2	9	0.15
(1,2165)	1:70:A:VAL:H	1:69:A:GLU:HB2	11	0.15
(1,2165)	1:70:A:VAL:H	1:69:A:GLU:HB2	12	0.15
(1,2165)	1:70:A:VAL:H	1:69:A:GLU:HB2	16	0.15
(1,2162)	1:70:B:VAL:H	1:31:B:LYS:HA	10	0.15
(1,2161)	1:70:A:VAL:H	1:31:A:LYS:HA	10	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2138)	1:29:B:LEU:H	1:73:B:GLN:H	16	0.15
(1,2056)	1:77:B:VAL:HA	1:73:B:GLN:HG2	11	0.15
(1,2055)	1:77:A:VAL:HA	1:73:A:GLN:HG2	11	0.15
(1,1996)	1:32:B:SER:HB3	1:33:B:GLU:HG2	1	0.15
(1,1995)	1:32:A:SER:HB3	1:33:A:GLU:HG2	1	0.15
(1,1992)	1:60:B:SER:HB3	1:66:B:ARG:HD3	16	0.15
(1,1991)	1:60:A:SER:HB3	1:66:A:ARG:HD3	16	0.15
(1,1932)	1:32:B:SER:HA	1:31:B:LYS:HD3	9	0.15
(1,1932)	1:32:B:SER:HA	1:31:B:LYS:HD2	19	0.15
(1,1931)	1:32:A:SER:HA	1:31:A:LYS:HD3	9	0.15
(1,1931)	1:32:A:SER:HA	1:31:A:LYS:HD2	19	0.15
(1,1876)	1:82:B:ILE:HG21	1:45:B:PHE:HA	5	0.15
(1,1875)	1:82:A:ILE:HG21	1:45:A:PHE:HA	5	0.15
(1,1844)	1:37:B:LEU:HA	1:29:B:LEU:HD11	15	0.15
(1,1843)	1:37:A:LEU:HA	1:29:A:LEU:HD11	15	0.15
(1,1800)	1:63:B:ASP:HA	1:74:B:GLU:HA	14	0.15
(1,1784)	1:56:B:GLN:HA	1:56:B:GLN:HG3	9	0.15
(1,1784)	1:56:B:GLN:HA	1:56:B:GLN:HG3	11	0.15
(1,1783)	1:56:A:GLN:HA	1:56:A:GLN:HG3	7	0.15
(1,1783)	1:56:A:GLN:HA	1:56:A:GLN:HG3	9	0.15
(1,1783)	1:56:A:GLN:HA	1:56:A:GLN:HG3	11	0.15
(1,1682)	1:91:B:GLU:HA	1:89:B:PHE:HA	4	0.15
(1,1681)	1:91:A:GLU:HA	1:89:A:PHE:HA	4	0.15
(1,1494)	1:42:B:LEU:HB2	1:42:B:LEU:HD23	8	0.15
(1,1494)	1:42:B:LEU:HB2	1:42:B:LEU:HD23	17	0.15
(1,1493)	1:42:A:LEU:HB2	1:42:A:LEU:HD23	8	0.15
(1,1493)	1:42:A:LEU:HB2	1:42:A:LEU:HD22	10	0.15
(1,1493)	1:42:A:LEU:HB2	1:42:A:LEU:HD23	17	0.15
(1,1468)	1:29:B:LEU:HB2	1:31:B:LYS:HA	18	0.15
(1,1467)	1:29:A:LEU:HB2	1:31:A:LYS:HA	18	0.15
(1,1344)	1:22:B:LYS:HE3	1:33:B:GLU:HG2	10	0.15
(1,1343)	1:22:A:LYS:HE3	1:33:A:GLU:HG2	10	0.15
(1,1278)	1:10:B:ASP:HB3	1:12:B:MET:H	17	0.15
(1,1277)	1:10:A:ASP:HB3	1:12:A:MET:H	9	0.15
(1,1277)	1:10:A:ASP:HB3	1:12:A:MET:H	17	0.15
(1,1256)	1:28:B:LYS:HB3	1:70:B:VAL:HG21	13	0.15
(1,1255)	1:28:A:LYS:HB3	1:70:A:VAL:HG21	13	0.15
(1,1251)	1:63:A:ASP:HB2	1:60:A:SER:HA	2	0.15
(1,1237)	1:18:A:LYS:HB3	1:16:A:PHE:HB2	17	0.15
(1,1208)	1:61:B:ASN:HB3	1:62:B:LEU:HG	14	0.15
(1,1208)	1:61:B:ASN:HB3	1:62:B:LEU:HG	20	0.15
(1,1207)	1:61:A:ASN:HB3	1:62:A:LEU:HG	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1207)	1:61:A:ASN:HB3	1:62:A:LEU:HG	10	0.15
(1,1207)	1:61:A:ASN:HB3	1:62:A:LEU:HG	14	0.15
(1,1122)	1:70:B:VAL:HG13	1:74:B:GLU:HG2	14	0.15
(1,1121)	1:70:A:VAL:HG13	1:74:A:GLU:HG2	14	0.15
(1,1028)	1:41:B:GLU:HG3	1:37:B:LEU:HG	13	0.15
(1,1028)	1:41:B:GLU:HG3	1:37:B:LEU:HG	15	0.15
(1,1004)	1:56:B:GLN:HB3	1:56:B:GLN:HG2	3	0.15
(1,1004)	1:56:B:GLN:HB3	1:56:B:GLN:HG2	4	0.15
(1,1004)	1:56:B:GLN:HB3	1:56:B:GLN:HG2	5	0.15
(1,1004)	1:56:B:GLN:HB2	1:56:B:GLN:HG2	14	0.15
(1,1003)	1:56:A:GLN:HB3	1:56:A:GLN:HG2	3	0.15
(1,1003)	1:56:A:GLN:HB3	1:56:A:GLN:HG2	4	0.15
(1,1003)	1:56:A:GLN:HB3	1:56:A:GLN:HG2	5	0.15
(1,1003)	1:56:A:GLN:HB2	1:56:A:GLN:HG2	14	0.15
(1,998)	1:73:B:GLN:HG3	1:97:A:GLN:HE21	18	0.15
(1,997)	1:73:A:GLN:HG3	1:97:B:GLN:HE21	18	0.15
(1,960)	1:22:B:LYS:HB3	1:33:B:GLU:HG2	16	0.15
(1,960)	1:22:B:LYS:HB3	1:33:B:GLU:HG2	20	0.15
(1,959)	1:22:A:LYS:HB3	1:33:A:GLU:HG2	20	0.15
(1,949)	1:12:A:MET:HB2	1:9:B:LEU:HD12	14	0.15
(1,908)	1:94:B:PRO:HB3	1:99:B:ARG:HG2	18	0.15
(1,908)	1:94:B:PRO:HB3	1:99:B:ARG:HG2	20	0.15
(1,907)	1:94:A:PRO:HB3	1:99:A:ARG:HG2	18	0.15
(1,907)	1:94:A:PRO:HB3	1:99:A:ARG:HG2	20	0.15
(1,892)	1:31:B:LYS:HB2	1:30:B:ASN:HA	19	0.15
(1,838)	1:34:B:LEU:HD22	1:59:B:MET:HB3	12	0.15
(1,748)	1:36:B:GLU:HB2	1:37:B:LEU:HD11	5	0.15
(1,747)	1:36:A:GLU:HB2	1:37:A:LEU:HD11	5	0.15
(1,709)	1:22:A:LYS:HD3	1:37:A:LEU:HB2	6	0.15
(1,700)	1:57:B:LYS:HD3	1:56:B:GLN:HB3	7	0.15
(1,700)	1:57:B:LYS:HD3	1:56:B:GLN:HB3	8	0.15
(1,699)	1:57:A:LYS:HD3	1:56:A:GLN:HB3	2	0.15
(1,699)	1:57:A:LYS:HD3	1:56:A:GLN:HB3	7	0.15
(1,699)	1:57:A:LYS:HD3	1:56:A:GLN:HB3	8	0.15
(1,680)	1:88:B:GLU:HB2	1:97:B:GLN:HE21	19	0.15
(1,679)	1:88:A:GLU:HB2	1:97:A:GLN:HE21	19	0.15
(1,580)	1:29:B:LEU:HD21	1:70:B:VAL:H	17	0.15
(1,579)	1:29:A:LEU:HD21	1:70:A:VAL:H	17	0.15
(1,562)	1:9:B:LEU:HG	1:10:B:ASP:HB2	3	0.15
(1,562)	1:9:B:LEU:HG	1:10:B:ASP:HB2	9	0.15
(1,561)	1:9:A:LEU:HG	1:10:A:ASP:HB2	9	0.15
(1,560)	1:94:B:PRO:HG3	1:101:B:LYS:HE2	13	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,559)	1:94:A:PRO:HG3	1:101:A:LYS:HE2	13	0.15
(1,558)	1:9:B:LEU:HG	1:9:B:LEU:HA	4	0.15
(1,557)	1:9:A:LEU:HG	1:9:A:LEU:HA	4	0.15
(1,524)	1:42:B:LEU:HD12	1:41:B:GLU:HA	18	0.15
(1,523)	1:42:A:LEU:HD12	1:41:A:GLU:HA	18	0.15
(1,518)	1:42:B:LEU:HD11	1:82:B:ILE:HD12	9	0.15
(1,517)	1:42:A:LEU:HD11	1:82:A:ILE:HD12	9	0.15
(1,475)	1:28:A:LYS:HG2	1:25:A:ASP:HB2	15	0.15
(1,458)	1:58:B:LEU:HD22	1:62:B:LEU:HD11	9	0.15
(1,457)	1:58:A:LEU:HD22	1:62:A:LEU:HD11	9	0.15
(1,430)	1:5:B:LEU:HD21	1:9:A:LEU:HA	1	0.15
(1,429)	1:5:A:LEU:HD21	1:9:B:LEU:HA	1	0.15
(1,429)	1:5:A:LEU:HD21	1:9:B:LEU:HA	17	0.15
(1,410)	1:54:B:ALA:HB3	1:46:B:LEU:HD23	7	0.15
(1,409)	1:54:A:ALA:HB3	1:46:A:LEU:HD23	7	0.15
(1,402)	1:31:B:LYS:HG2	1:59:B:MET:HG3	11	0.15
(1,401)	1:31:A:LYS:HG2	1:59:A:MET:HG3	11	0.15
(1,398)	1:7:B:LYS:HG3	1:7:B:LYS:HA	15	0.15
(1,397)	1:7:A:LYS:HG3	1:7:A:LYS:HA	11	0.15
(1,397)	1:7:A:LYS:HG3	1:7:A:LYS:HA	15	0.15
(1,392)	1:46:B:LEU:HD21	1:46:B:LEU:H	6	0.15
(1,391)	1:46:A:LEU:HD21	1:46:A:LEU:H	6	0.15
(1,367)	1:57:A:LYS:HG3	1:57:A:LYS:H	7	0.15
(1,324)	1:58:B:LEU:HD13	1:58:B:LEU:HB2	17	0.15
(1,324)	1:58:B:LEU:HD11	1:58:B:LEU:HB2	18	0.15
(1,323)	1:58:A:LEU:HD13	1:58:A:LEU:HB2	17	0.15
(1,323)	1:58:A:LEU:HD11	1:58:A:LEU:HB2	18	0.15
(1,314)	1:62:B:LEU:HD21	1:58:B:LEU:HD12	7	0.15
(1,313)	1:62:A:LEU:HD21	1:58:A:LEU:HD12	7	0.15
(1,236)	1:70:B:VAL:HG23	1:63:B:ASP:HB3	7	0.15
(1,235)	1:70:A:VAL:HG23	1:63:A:ASP:HB3	7	0.15
(1,234)	1:13:B:VAL:HG23	1:13:B:VAL:HA	1	0.15
(1,234)	1:13:B:VAL:HG21	1:13:B:VAL:HA	2	0.15
(1,234)	1:13:B:VAL:HG22	1:13:B:VAL:HA	3	0.15
(1,234)	1:13:B:VAL:HG22	1:13:B:VAL:HA	6	0.15
(1,234)	1:13:B:VAL:HG23	1:13:B:VAL:HA	10	0.15
(1,234)	1:13:B:VAL:HG23	1:13:B:VAL:HA	17	0.15
(1,233)	1:13:A:VAL:HG23	1:13:A:VAL:HA	1	0.15
(1,233)	1:13:A:VAL:HG21	1:13:A:VAL:HA	2	0.15
(1,233)	1:13:A:VAL:HG22	1:13:A:VAL:HA	3	0.15
(1,233)	1:13:A:VAL:HG23	1:13:A:VAL:HA	10	0.15
(1,233)	1:13:A:VAL:HG23	1:13:A:VAL:HA	17	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,224)	1:70:B:VAL:HG23	1:29:B:LEU:H	19	0.15
(1,223)	1:70:A:VAL:HG23	1:29:A:LEU:H	19	0.15
(1,205)	1:34:A:LEU:HD12	1:38:A:LEU:H	15	0.15
(1,204)	1:76:B:SER:H	1:77:B:VAL:HG21	9	0.15
(1,190)	1:16:B:PHE:H	1:79:B:LEU:HD13	1	0.15
(1,189)	1:16:A:PHE:H	1:79:A:LEU:HD13	1	0.15
(1,189)	1:16:A:PHE:H	1:79:A:LEU:HD11	7	0.15
(1,140)	1:77:B:VAL:HG12	1:77:B:VAL:HG13	4	0.15
(1,140)	1:77:B:VAL:HG11	1:77:B:VAL:HG13	11	0.15
(1,139)	1:77:A:VAL:HG12	1:77:A:VAL:HG11	2	0.15
(1,139)	1:77:A:VAL:HG12	1:77:A:VAL:HG13	4	0.15
(1,139)	1:77:A:VAL:HG12	1:77:A:VAL:HG11	5	0.15
(1,139)	1:77:A:VAL:HG12	1:77:A:VAL:HG11	13	0.15
(1,139)	1:77:A:VAL:HG11	1:77:A:VAL:HG13	18	0.15
(1,96)	1:53:B:ALA:HB2	1:53:B:ALA:HB1	9	0.15
(1,96)	1:53:B:ALA:HB1	1:53:B:ALA:HB3	10	0.15
(1,95)	1:53:A:ALA:HB2	1:53:A:ALA:HB1	16	0.15
(1,95)	1:53:A:ALA:HB2	1:53:A:ALA:HB1	19	0.15
(1,94)	1:54:B:ALA:HB1	1:46:B:LEU:HB3	14	0.15
(1,93)	1:54:A:ALA:HB1	1:46:A:LEU:HB3	14	0.15
(1,84)	1:8:B:ALA:HB2	1:10:B:ASP:HB3	19	0.15
(1,83)	1:8:A:ALA:HB2	1:10:A:ASP:HB3	19	0.15
(1,28)	1:83:B:ALA:H	1:82:B:ILE:HD11	15	0.15
(1,27)	1:83:A:ALA:H	1:82:A:ILE:HD11	15	0.15
(1,10)	1:5:B:LEU:HD13	1:15:A:THR:HB	10	0.15
(3,184)	1:91:B:GLU:H	1:87:B:ASN:O	1	0.14
(3,153)	1:76:B:SER:N	1:72:B:PHE:O	15	0.14
(3,118)	1:19:B:TYR:H	1:15:B:THR:O	1	0.14
(3,114)	1:17:B:HIS:H	1:13:B:VAL:O	11	0.14
(3,109)	1:15:B:THR:N	1:11:B:VAL:O	13	0.14
(3,108)	1:14:B:SER:H	1:10:B:ASP:O	11	0.14
(3,106)	1:13:B:VAL:H	1:9:B:LEU:O	9	0.14
(3,100)	1:10:B:ASP:H	1:6:B:GLU:O	4	0.14
(3,99)	1:10:B:ASP:N	1:6:B:GLU:O	11	0.14
(3,92)	1:91:A:GLU:H	1:87:A:ASN:O	1	0.14
(3,61)	1:76:A:SER:N	1:72:A:PHE:O	15	0.14
(3,26)	1:19:A:TYR:H	1:15:A:THR:O	1	0.14
(3,22)	1:17:A:HIS:H	1:13:A:VAL:O	11	0.14
(3,17)	1:15:A:THR:N	1:11:A:VAL:O	12	0.14
(3,17)	1:15:A:THR:N	1:11:A:VAL:O	13	0.14
(3,14)	1:13:A:VAL:H	1:9:A:LEU:O	9	0.14
(3,8)	1:10:A:ASP:H	1:6:A:GLU:O	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,7)	1:10:A:ASP:N	1:6:A:GLU:O	11	0.14
(2,228)	1:9:B:LEU:H	1:5:B:LEU:HB2	6	0.14
(2,227)	1:9:A:LEU:H	1:5:A:LEU:HB2	6	0.14
(2,202)	1:37:B:LEU:H	1:19:B:TYR:HA	16	0.14
(2,201)	1:37:A:LEU:H	1:19:A:TYR:HA	16	0.14
(2,195)	1:22:A:LYS:H	1:19:A:TYR:HB2	5	0.14
(2,194)	1:22:B:LYS:H	1:30:B:ASN:HD21	16	0.14
(2,193)	1:22:A:LYS:H	1:30:A:ASN:HD21	16	0.14
(2,152)	1:14:B:SER:HA	1:16:B:PHE:HA	1	0.14
(2,152)	1:14:B:SER:HA	1:16:B:PHE:HA	3	0.14
(2,152)	1:14:B:SER:HA	1:16:B:PHE:HA	14	0.14
(2,151)	1:14:A:SER:HA	1:16:A:PHE:HA	3	0.14
(2,151)	1:14:A:SER:HA	1:16:A:PHE:HA	14	0.14
(2,123)	1:74:A:GLU:HA	1:70:A:VAL:HA	14	0.14
(2,115)	1:101:A:LYS:HA	1:98:A:PRO:HA	6	0.14
(2,97)	1:28:A:LYS:HA	1:30:A:ASN:HD21	15	0.14
(2,68)	1:59:B:MET:HB3	1:34:B:LEU:HB3	8	0.14
(2,67)	1:59:A:MET:HB3	1:34:A:LEU:HB3	8	0.14
(2,54)	1:65:B:ASN:HB3	1:66:B:ARG:HA	18	0.14
(2,53)	1:65:A:ASN:HB3	1:66:A:ARG:HA	18	0.14
(2,31)	1:17:A:HIS:HB2	1:21:A:GLY:HA3	18	0.14
(2,30)	1:36:B:GLU:HB2	1:33:B:GLU:HB2	16	0.14
(2,29)	1:36:A:GLU:HB2	1:33:A:GLU:HB2	16	0.14
(1,4520)	1:80:B:SER:H	1:84:B:MET:H	8	0.14
(1,4520)	1:80:B:SER:H	1:84:B:MET:H	15	0.14
(1,4520)	1:80:B:SER:H	1:84:B:MET:H	16	0.14
(1,4520)	1:80:B:SER:H	1:84:B:MET:H	20	0.14
(1,4519)	1:80:A:SER:H	1:84:A:MET:H	8	0.14
(1,4519)	1:80:A:SER:H	1:84:A:MET:H	15	0.14
(1,4519)	1:80:A:SER:H	1:84:A:MET:H	16	0.14
(1,4519)	1:80:A:SER:H	1:84:A:MET:H	20	0.14
(1,4488)	1:17:B:HIS:H	1:26:B:LYS:HD2	15	0.14
(1,4476)	1:86:B:SER:H	1:13:A:VAL:HG23	12	0.14
(1,4475)	1:86:A:SER:H	1:13:B:VAL:HG23	12	0.14
(1,4474)	1:85:B:MET:H	1:83:B:ALA:HB2	12	0.14
(1,4473)	1:85:A:MET:H	1:83:A:ALA:HB3	17	0.14
(1,4460)	1:68:B:ASN:H	1:70:B:VAL:HG23	10	0.14
(1,4460)	1:68:B:ASN:H	1:70:B:VAL:HG22	11	0.14
(1,4459)	1:68:A:ASN:H	1:70:A:VAL:HG23	10	0.14
(1,4459)	1:68:A:ASN:H	1:70:A:VAL:HG22	11	0.14
(1,4418)	1:35:B:LYS:H	1:36:B:GLU:HG3	11	0.14
(1,4418)	1:35:B:LYS:H	1:36:B:GLU:HG3	15	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4417)	1:35:A:LYS:H	1:36:A:GLU:HG3	11	0.14
(1,4408)	1:61:B:ASN:H	1:62:B:LEU:HG	2	0.14
(1,4408)	1:61:B:ASN:H	1:62:B:LEU:HG	12	0.14
(1,4408)	1:61:B:ASN:H	1:62:B:LEU:HG	16	0.14
(1,4407)	1:61:A:ASN:H	1:62:A:LEU:HG	2	0.14
(1,4407)	1:61:A:ASN:H	1:62:A:LEU:HG	6	0.14
(1,4407)	1:61:A:ASN:H	1:62:A:LEU:HG	12	0.14
(1,4407)	1:61:A:ASN:H	1:62:A:LEU:HG	16	0.14
(1,4351)	1:5:A:LEU:H	1:2:A:ALA:HB3	1	0.14
(1,4348)	1:16:B:PHE:H	1:37:B:LEU:HD12	5	0.14
(1,4336)	1:6:B:GLU:H	1:5:B:LEU:HG	6	0.14
(1,4335)	1:6:A:GLU:H	1:5:A:LEU:HG	6	0.14
(1,4328)	1:90:B:PHE:H	1:91:B:GLU:HG3	1	0.14
(1,4327)	1:90:A:PHE:H	1:91:A:GLU:HG3	1	0.14
(1,4314)	1:74:B:GLU:H	1:74:B:GLU:HB3	17	0.14
(1,4296)	1:64:B:SER:H	1:63:B:ASP:H	20	0.14
(1,4288)	1:45:B:PHE:H	1:82:B:ILE:HG21	7	0.14
(1,4287)	1:45:A:PHE:H	1:82:A:ILE:HG21	7	0.14
(1,4238)	1:70:B:VAL:H	1:29:B:LEU:HA	9	0.14
(1,4237)	1:70:A:VAL:H	1:29:A:LEU:HA	9	0.14
(1,4237)	1:70:A:VAL:H	1:29:A:LEU:HA	11	0.14
(1,4228)	1:29:B:LEU:H	1:34:B:LEU:HA	3	0.14
(1,4228)	1:29:B:LEU:H	1:34:B:LEU:HA	4	0.14
(1,4228)	1:29:B:LEU:H	1:34:B:LEU:HA	18	0.14
(1,4227)	1:29:A:LEU:H	1:34:A:LEU:HA	3	0.14
(1,4227)	1:29:A:LEU:H	1:34:A:LEU:HA	4	0.14
(1,4227)	1:29:A:LEU:H	1:34:A:LEU:HA	18	0.14
(1,4192)	1:11:B:VAL:HA	1:8:B:ALA:HB2	6	0.14
(1,4191)	1:11:A:VAL:HA	1:8:A:ALA:HB2	6	0.14
(1,4152)	1:55:B:PHE:HA	1:58:B:LEU:HD23	12	0.14
(1,4151)	1:55:A:PHE:HA	1:58:A:LEU:HD23	12	0.14
(1,4148)	1:16:B:PHE:HA	1:20:B:SER:HB3	8	0.14
(1,4148)	1:16:B:PHE:HA	1:20:B:SER:HB3	9	0.14
(1,4147)	1:16:A:PHE:HA	1:20:A:SER:HB3	8	0.14
(1,4147)	1:16:A:PHE:HA	1:20:A:SER:HB3	9	0.14
(1,4141)	1:32:A:SER:HA	1:36:A:GLU:HG3	5	0.14
(1,4134)	1:70:B:VAL:HA	1:62:B:LEU:HB3	4	0.14
(1,4129)	1:74:A:GLU:HA	1:70:A:VAL:HA	14	0.14
(1,4110)	1:2:B:ALA:HB3	1:6:B:GLU:HA	14	0.14
(1,4109)	1:2:A:ALA:HB3	1:6:A:GLU:HA	14	0.14
(1,4107)	1:35:A:LYS:HA	1:35:A:LYS:HE2	2	0.14
(1,4061)	1:10:A:ASP:HA	1:82:B:ILE:HB	13	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4006)	1:61:B:ASN:HA	1:57:B:LYS:HA	5	0.14
(1,4005)	1:61:A:ASN:HA	1:57:A:LYS:HA	5	0.14
(1,3980)	1:42:B:LEU:HA	1:44:B:SER:HB3	20	0.14
(1,3979)	1:42:A:LEU:HA	1:44:A:SER:HB3	6	0.14
(1,3979)	1:42:A:LEU:HA	1:44:A:SER:HB3	11	0.14
(1,3979)	1:42:A:LEU:HA	1:44:A:SER:HB3	20	0.14
(1,3966)	1:2:B:ALA:HA	1:6:B:GLU:HA	3	0.14
(1,3965)	1:2:A:ALA:HA	1:6:A:GLU:HA	3	0.14
(1,3964)	1:2:B:ALA:HA	1:15:A:THR:HA	6	0.14
(1,3964)	1:2:B:ALA:HA	1:15:A:THR:HA	12	0.14
(1,3964)	1:2:B:ALA:HA	1:15:A:THR:HA	15	0.14
(1,3963)	1:2:A:ALA:HA	1:15:B:THR:HA	12	0.14
(1,3950)	1:21:B:GLY:HA3	1:18:B:LYS:HB2	14	0.14
(1,3949)	1:21:A:GLY:HA3	1:18:A:LYS:HB2	14	0.14
(1,3946)	1:42:B:LEU:HB2	1:79:B:LEU:HD23	10	0.14
(1,3946)	1:42:B:LEU:HB2	1:79:B:LEU:HD23	13	0.14
(1,3946)	1:42:B:LEU:HB2	1:79:B:LEU:HD22	20	0.14
(1,3945)	1:42:A:LEU:HB2	1:79:A:LEU:HD22	8	0.14
(1,3945)	1:42:A:LEU:HB2	1:79:A:LEU:HD23	10	0.14
(1,3945)	1:42:A:LEU:HB2	1:79:A:LEU:HD23	13	0.14
(1,3945)	1:42:A:LEU:HB2	1:79:A:LEU:HD22	20	0.14
(1,3920)	1:40:B:ARG:HD2	1:19:B:TYR:HB3	14	0.14
(1,3919)	1:40:A:ARG:HD2	1:19:A:TYR:HB3	14	0.14
(1,3813)	1:28:A:LYS:HB3	1:70:A:VAL:HG21	18	0.14
(1,3788)	1:55:B:PHE:HB2	1:35:B:LYS:HB2	6	0.14
(1,3788)	1:55:B:PHE:HB2	1:35:B:LYS:HB2	17	0.14
(1,3787)	1:55:A:PHE:HB2	1:35:A:LYS:HB2	17	0.14
(1,3779)	1:57:A:LYS:HB3	1:61:A:ASN:HB3	19	0.14
(1,3724)	1:69:B:GLU:HG2	1:29:B:LEU:HA	13	0.14
(1,3708)	1:41:B:GLU:HG3	1:2:A:ALA:HB3	6	0.14
(1,3707)	1:41:A:GLU:HG3	1:2:B:ALA:HB3	6	0.14
(1,3660)	1:18:B:LYS:HD3	1:18:B:LYS:HB2	12	0.14
(1,3654)	1:85:B:MET:HG2	1:82:B:ILE:HG12	12	0.14
(1,3653)	1:85:A:MET:HG2	1:82:A:ILE:HG12	7	0.14
(1,3644)	1:31:B:LYS:HB3	1:35:B:LYS:HA	11	0.14
(1,3632)	1:59:B:MET:HB3	1:34:B:LEU:HB3	8	0.14
(1,3631)	1:59:A:MET:HB3	1:34:A:LEU:HB3	8	0.14
(1,3562)	1:56:B:GLN:HB3	1:53:B:ALA:HB3	7	0.14
(1,3561)	1:56:A:GLN:HB3	1:53:A:ALA:HB3	7	0.14
(1,3548)	1:37:B:LEU:HD21	1:37:B:LEU:HA	13	0.14
(1,3548)	1:37:B:LEU:HD23	1:37:B:LEU:HA	15	0.14
(1,3547)	1:37:A:LEU:HD21	1:37:A:LEU:HA	13	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3547)	1:37:A:LEU:HD23	1:37:A:LEU:HA	15	0.14
(1,3547)	1:37:A:LEU:HD22	1:37:A:LEU:HA	20	0.14
(1,3444)	1:18:B:LYS:HG3	1:20:B:SER:H	10	0.14
(1,3444)	1:18:B:LYS:HG3	1:20:B:SER:H	11	0.14
(1,3443)	1:18:A:LYS:HG3	1:20:A:SER:H	10	0.14
(1,3443)	1:18:A:LYS:HG3	1:20:A:SER:H	11	0.14
(1,3410)	1:11:B:VAL:HG21	1:11:B:VAL:HG23	1	0.14
(1,3410)	1:11:B:VAL:HG22	1:11:B:VAL:HG23	2	0.14
(1,3410)	1:11:B:VAL:HG21	1:11:B:VAL:HG23	3	0.14
(1,3410)	1:11:B:VAL:HG21	1:11:B:VAL:HG23	4	0.14
(1,3410)	1:11:B:VAL:HG21	1:11:B:VAL:HG23	5	0.14
(1,3410)	1:11:B:VAL:HG22	1:11:B:VAL:HG23	6	0.14
(1,3410)	1:11:B:VAL:HG21	1:11:B:VAL:HG23	7	0.14
(1,3410)	1:13:B:VAL:HG22	1:13:B:VAL:HG23	8	0.14
(1,3410)	1:11:B:VAL:HG22	1:11:B:VAL:HG23	9	0.14
(1,3410)	1:13:B:VAL:HG22	1:13:B:VAL:HG23	10	0.14
(1,3410)	1:11:B:VAL:HG21	1:11:B:VAL:HG23	11	0.14
(1,3410)	1:11:B:VAL:HG21	1:11:B:VAL:HG23	12	0.14
(1,3410)	1:11:B:VAL:HG22	1:11:B:VAL:HG21	13	0.14
(1,3410)	1:11:B:VAL:HG22	1:11:B:VAL:HG23	14	0.14
(1,3410)	1:13:B:VAL:HG22	1:13:B:VAL:HG23	15	0.14
(1,3410)	1:11:B:VAL:HG21	1:11:B:VAL:HG23	16	0.14
(1,3410)	1:13:B:VAL:HG22	1:13:B:VAL:HG23	17	0.14
(1,3410)	1:11:B:VAL:HG21	1:11:B:VAL:HG23	18	0.14
(1,3410)	1:11:B:VAL:HG21	1:11:B:VAL:HG23	19	0.14
(1,3410)	1:11:B:VAL:HG22	1:11:B:VAL:HG23	20	0.14
(1,3409)	1:11:A:VAL:HG21	1:11:A:VAL:HG23	1	0.14
(1,3409)	1:13:A:VAL:HG22	1:13:A:VAL:HG23	2	0.14
(1,3409)	1:13:A:VAL:HG22	1:13:A:VAL:HG21	3	0.14
(1,3409)	1:11:A:VAL:HG22	1:11:A:VAL:HG23	4	0.14
(1,3409)	1:11:A:VAL:HG21	1:11:A:VAL:HG23	5	0.14
(1,3409)	1:11:A:VAL:HG22	1:11:A:VAL:HG23	6	0.14
(1,3409)	1:11:A:VAL:HG22	1:11:A:VAL:HG21	7	0.14
(1,3409)	1:13:A:VAL:HG22	1:13:A:VAL:HG23	8	0.14
(1,3409)	1:13:A:VAL:HG22	1:13:A:VAL:HG23	9	0.14
(1,3409)	1:11:A:VAL:HG22	1:11:A:VAL:HG23	10	0.14
(1,3409)	1:11:A:VAL:HG21	1:11:A:VAL:HG23	11	0.14
(1,3409)	1:11:A:VAL:HG22	1:11:A:VAL:HG23	12	0.14
(1,3409)	1:11:A:VAL:HG22	1:11:A:VAL:HG21	13	0.14
(1,3409)	1:11:A:VAL:HG21	1:11:A:VAL:HG23	14	0.14
(1,3409)	1:13:A:VAL:HG22	1:13:A:VAL:HG23	15	0.14
(1,3409)	1:11:A:VAL:HG22	1:11:A:VAL:HG23	16	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3409)	1:13:A:VAL:HG22	1:13:A:VAL:HG23	17	0.14
(1,3409)	1:11:A:VAL:HG22	1:11:A:VAL:HG23	18	0.14
(1,3409)	1:11:A:VAL:HG22	1:11:A:VAL:HG21	19	0.14
(1,3409)	1:11:A:VAL:HG22	1:11:A:VAL:HG21	20	0.14
(1,3358)	1:39:B:THR:HG22	1:36:B:GLU:HG3	12	0.14
(1,3308)	1:31:B:LYS:HB3	1:31:B:LYS:HA	18	0.14
(1,3307)	1:31:A:LYS:HB3	1:31:A:LYS:HA	18	0.14
(1,3288)	1:87:B:ASN:HD21	1:90:B:PHE:H	8	0.14
(1,3288)	1:87:B:ASN:HD21	1:90:B:PHE:H	20	0.14
(1,3287)	1:87:A:ASN:HD21	1:90:A:PHE:H	8	0.14
(1,3257)	1:73:A:GLN:H	1:87:B:ASN:HD21	11	0.14
(1,3257)	1:73:A:GLN:H	1:87:B:ASN:HD21	17	0.14
(1,3247)	1:88:A:GLU:H	1:73:B:GLN:H	6	0.14
(1,3190)	1:39:B:THR:H	1:29:B:LEU:HD11	9	0.14
(1,3190)	1:39:B:THR:H	1:29:B:LEU:HD13	17	0.14
(1,3189)	1:39:A:THR:H	1:29:A:LEU:HD11	9	0.14
(1,3189)	1:39:A:THR:H	1:29:A:LEU:HD13	17	0.14
(1,3172)	1:30:B:ASN:HD22	1:22:B:LYS:HE3	17	0.14
(1,3166)	1:30:B:ASN:HD22	1:29:B:LEU:H	11	0.14
(1,3138)	1:61:B:ASN:HD22	1:61:B:ASN:HB3	9	0.14
(1,3138)	1:61:B:ASN:HD22	1:61:B:ASN:HB3	14	0.14
(1,3137)	1:61:A:ASN:HD22	1:61:A:ASN:HB3	9	0.14
(1,3137)	1:61:A:ASN:HD22	1:61:A:ASN:HB3	14	0.14
(1,3104)	1:65:B:ASN:HD21	1:69:B:GLU:HG3	5	0.14
(1,2958)	1:28:B:LYS:H	1:20:B:SER:HB3	16	0.14
(1,2922)	1:66:B:ARG:H	1:63:B:ASP:HB2	5	0.14
(1,2922)	1:66:B:ARG:H	1:63:B:ASP:HB2	16	0.14
(1,2921)	1:66:A:ARG:H	1:63:A:ASP:HB2	16	0.14
(1,2820)	1:40:B:ARG:H	1:46:B:LEU:HD11	5	0.14
(1,2774)	1:59:B:MET:H	1:62:B:LEU:HD12	17	0.14
(1,2773)	1:59:A:MET:H	1:62:A:LEU:HD12	17	0.14
(1,2714)	1:15:B:THR:H	1:11:B:VAL:HG13	8	0.14
(1,2712)	1:15:B:THR:H	1:2:A:ALA:HB2	14	0.14
(1,2711)	1:15:A:THR:H	1:2:B:ALA:HB2	14	0.14
(1,2692)	1:72:B:PHE:H	1:28:B:LYS:HG3	14	0.14
(1,2691)	1:72:A:PHE:H	1:28:A:LYS:HG3	14	0.14
(1,2560)	1:27:B:PHE:H	1:20:B:SER:HB3	1	0.14
(1,2546)	1:93:B:PHE:H	1:96:B:LYS:HE2	20	0.14
(1,2545)	1:93:A:PHE:H	1:96:A:LYS:HE2	20	0.14
(1,2543)	1:93:A:PHE:H	1:92:A:GLY:HA3	3	0.14
(1,2508)	1:42:B:LEU:H	1:41:B:GLU:HB3	1	0.14
(1,2507)	1:42:A:LEU:H	1:41:A:GLU:HB3	1	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2461)	1:37:A:LEU:H	1:29:A:LEU:HD13	8	0.14
(1,2436)	1:74:B:GLU:H	1:62:B:LEU:HB3	14	0.14
(1,2435)	1:74:A:GLU:H	1:62:A:LEU:HB3	14	0.14
(1,2430)	1:74:B:GLU:H	1:97:A:GLN:HE21	9	0.14
(1,2411)	1:52:A:GLU:H	1:51:A:ASP:HB3	8	0.14
(1,2411)	1:52:A:GLU:H	1:51:A:ASP:HB3	15	0.14
(1,2303)	1:45:A:PHE:H	1:7:B:LYS:HD2	6	0.14
(1,2234)	1:33:B:GLU:H	1:22:B:LYS:HE3	4	0.14
(1,2234)	1:33:B:GLU:H	1:22:B:LYS:HE3	20	0.14
(1,2233)	1:33:A:GLU:H	1:22:A:LYS:HE3	4	0.14
(1,2233)	1:33:A:GLU:H	1:22:A:LYS:HE3	20	0.14
(1,2210)	1:30:B:ASN:H	1:33:B:GLU:HB3	18	0.14
(1,2209)	1:30:A:ASN:H	1:33:A:GLU:HB3	18	0.14
(1,2202)	1:77:B:VAL:H	1:73:B:GLN:HG3	9	0.14
(1,2201)	1:77:A:VAL:H	1:73:A:GLN:HG3	9	0.14
(1,2194)	1:12:B:MET:H	1:79:B:LEU:HD11	12	0.14
(1,2193)	1:12:A:MET:H	1:79:A:LEU:HD11	12	0.14
(1,2180)	1:83:B:ALA:H	1:85:B:MET:HB3	6	0.14
(1,2179)	1:83:A:ALA:H	1:85:A:MET:HB3	6	0.14
(1,2166)	1:70:B:VAL:H	1:69:B:GLU:HB2	6	0.14
(1,2166)	1:70:B:VAL:H	1:69:B:GLU:HB2	15	0.14
(1,2166)	1:70:B:VAL:H	1:69:B:GLU:HB2	20	0.14
(1,2165)	1:70:A:VAL:H	1:69:A:GLU:HB2	6	0.14
(1,2165)	1:70:A:VAL:H	1:69:A:GLU:HB2	15	0.14
(1,2165)	1:70:A:VAL:H	1:69:A:GLU:HB2	20	0.14
(1,2162)	1:70:B:VAL:H	1:31:B:LYS:HA	5	0.14
(1,2161)	1:70:A:VAL:H	1:31:A:LYS:HA	5	0.14
(1,2138)	1:29:B:LEU:H	1:73:B:GLN:H	7	0.14
(1,2137)	1:29:A:LEU:H	1:73:A:GLN:H	7	0.14
(1,2137)	1:29:A:LEU:H	1:73:A:GLN:H	16	0.14
(1,2134)	1:25:B:ASP:H	1:28:B:LYS:HG2	12	0.14
(1,2133)	1:25:A:ASP:H	1:28:A:LYS:HG2	12	0.14
(1,2056)	1:77:B:VAL:HA	1:73:B:GLN:HG2	14	0.14
(1,2055)	1:77:A:VAL:HA	1:73:A:GLN:HG2	14	0.14
(1,2035)	1:43:A:PRO:HA	1:7:B:LYS:HD2	20	0.14
(1,1992)	1:60:B:SER:HB2	1:66:B:ARG:HD3	9	0.14
(1,1991)	1:60:A:SER:HB2	1:66:A:ARG:HD3	9	0.14
(1,1976)	1:14:B:SER:HB3	1:18:B:LYS:HE2	8	0.14
(1,1938)	1:50:B:THR:HA	1:54:B:ALA:HB2	1	0.14
(1,1937)	1:50:A:THR:HA	1:54:A:ALA:HB2	1	0.14
(1,1932)	1:32:B:SER:HA	1:31:B:LYS:HD2	3	0.14
(1,1876)	1:82:B:ILE:HG22	1:45:B:PHE:HA	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1875)	1:82:A:ILE:HG22	1:45:A:PHE:HA	8	0.14
(1,1836)	1:37:B:LEU:HA	1:40:B:ARG:HB3	14	0.14
(1,1835)	1:37:A:LEU:HA	1:40:A:ARG:HB3	14	0.14
(1,1786)	1:59:B:MET:HA	1:59:B:MET:HG2	2	0.14
(1,1785)	1:59:A:MET:HA	1:59:A:MET:HG2	2	0.14
(1,1784)	1:56:B:GLN:HA	1:56:B:GLN:HG3	6	0.14
(1,1784)	1:56:B:GLN:HA	1:56:B:GLN:HG3	7	0.14
(1,1783)	1:56:A:GLN:HA	1:56:A:GLN:HG3	6	0.14
(1,1710)	1:5:B:LEU:HA	1:5:B:LEU:HD11	1	0.14
(1,1709)	1:5:A:LEU:HA	1:5:A:LEU:HD11	1	0.14
(1,1602)	1:69:B:GLU:HA	1:34:B:LEU:HD11	2	0.14
(1,1601)	1:69:A:GLU:HA	1:34:A:LEU:HD11	2	0.14
(1,1586)	1:97:B:GLN:HG2	1:97:B:GLN:HA	13	0.14
(1,1585)	1:97:A:GLN:HG2	1:97:A:GLN:HA	13	0.14
(1,1584)	1:42:B:LEU:HA	1:82:B:ILE:HD13	11	0.14
(1,1583)	1:42:A:LEU:HA	1:82:A:ILE:HD13	11	0.14
(1,1571)	1:71:A:ASP:HA	1:70:A:VAL:HG13	2	0.14
(1,1545)	1:43:A:PRO:HD2	1:7:B:LYS:HD2	7	0.14
(1,1494)	1:42:B:LEU:HB2	1:42:B:LEU:HD21	7	0.14
(1,1494)	1:42:B:LEU:HB2	1:42:B:LEU:HD21	12	0.14
(1,1494)	1:42:B:LEU:HB2	1:42:B:LEU:HD22	16	0.14
(1,1494)	1:42:B:LEU:HB2	1:42:B:LEU:HD23	18	0.14
(1,1493)	1:42:A:LEU:HB2	1:42:A:LEU:HD21	7	0.14
(1,1493)	1:42:A:LEU:HB2	1:42:A:LEU:HD21	12	0.14
(1,1493)	1:42:A:LEU:HB2	1:42:A:LEU:HD22	16	0.14
(1,1493)	1:42:A:LEU:HB2	1:42:A:LEU:HD23	18	0.14
(1,1468)	1:29:B:LEU:HB2	1:31:B:LYS:HA	12	0.14
(1,1467)	1:29:A:LEU:HB2	1:31:A:LYS:HA	12	0.14
(1,1451)	1:29:A:LEU:HB2	1:37:A:LEU:HB3	20	0.14
(1,1412)	1:40:B:ARG:HD2	1:41:B:GLU:H	7	0.14
(1,1412)	1:40:B:ARG:HD3	1:41:B:GLU:H	19	0.14
(1,1411)	1:40:A:ARG:HD2	1:41:A:GLU:H	7	0.14
(1,1411)	1:40:A:ARG:HD3	1:41:A:GLU:H	19	0.14
(1,1370)	1:22:B:LYS:HE2	1:18:B:LYS:HG2	9	0.14
(1,1370)	1:22:B:LYS:HE3	1:18:B:LYS:HG2	14	0.14
(1,1370)	1:22:B:LYS:HE2	1:18:B:LYS:HG2	20	0.14
(1,1369)	1:22:A:LYS:HE2	1:18:A:LYS:HG2	9	0.14
(1,1369)	1:22:A:LYS:HE3	1:18:A:LYS:HG2	14	0.14
(1,1369)	1:22:A:LYS:HE2	1:18:A:LYS:HG2	20	0.14
(1,1368)	1:18:B:LYS:HE2	1:11:B:VAL:HG13	5	0.14
(1,1344)	1:22:B:LYS:HE3	1:33:B:GLU:HG2	7	0.14
(1,1343)	1:22:A:LYS:HE3	1:33:A:GLU:HG2	7	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1266)	1:79:B:LEU:HB2	1:9:A:LEU:HD11	16	0.14
(1,1265)	1:79:A:LEU:HB2	1:9:B:LEU:HD11	16	0.14
(1,1208)	1:61:B:ASN:HB3	1:62:B:LEU:HG	5	0.14
(1,1208)	1:61:B:ASN:HB3	1:62:B:LEU:HG	16	0.14
(1,1207)	1:61:A:ASN:HB3	1:62:A:LEU:HG	16	0.14
(1,1120)	1:70:B:VAL:HG12	1:74:B:GLU:HG3	7	0.14
(1,1120)	1:70:B:VAL:HG12	1:74:B:GLU:HG3	19	0.14
(1,1119)	1:70:A:VAL:HG12	1:74:A:GLU:HG3	7	0.14
(1,1119)	1:70:A:VAL:HG13	1:74:A:GLU:HG3	16	0.14
(1,1119)	1:70:A:VAL:HG12	1:74:A:GLU:HG3	19	0.14
(1,1047)	1:23:A:GLU:HG2	1:33:A:GLU:HG2	18	0.14
(1,1028)	1:41:B:GLU:HG3	1:37:B:LEU:HG	3	0.14
(1,1027)	1:41:A:GLU:HG3	1:37:A:LEU:HG	3	0.14
(1,1003)	1:56:A:GLN:HB2	1:56:A:GLN:HG3	20	0.14
(1,969)	1:97:A:GLN:HG2	1:95:A:ASP:HB3	19	0.14
(1,960)	1:22:B:LYS:HB3	1:33:B:GLU:HG2	12	0.14
(1,960)	1:22:B:LYS:HB3	1:33:B:GLU:HG2	19	0.14
(1,959)	1:22:A:LYS:HB3	1:33:A:GLU:HG2	19	0.14
(1,950)	1:12:B:MET:HB2	1:9:A:LEU:HD12	14	0.14
(1,944)	1:59:B:MET:HG3	1:31:B:LYS:HE3	17	0.14
(1,943)	1:59:A:MET:HG3	1:31:A:LYS:HE3	17	0.14
(1,884)	1:18:B:LYS:HB3	1:15:B:THR:H	8	0.14
(1,883)	1:18:A:LYS:HB3	1:15:A:THR:H	8	0.14
(1,842)	1:29:B:LEU:HD13	1:33:B:GLU:HB3	1	0.14
(1,841)	1:29:A:LEU:HD13	1:33:A:GLU:HB3	1	0.14
(1,838)	1:34:B:LEU:HD22	1:59:B:MET:HB3	11	0.14
(1,838)	1:34:B:LEU:HD21	1:59:B:MET:HB3	13	0.14
(1,837)	1:34:A:LEU:HD22	1:59:A:MET:HB3	11	0.14
(1,837)	1:34:A:LEU:HD22	1:59:A:MET:HB3	12	0.14
(1,837)	1:34:A:LEU:HD21	1:59:A:MET:HB3	13	0.14
(1,766)	1:28:B:LYS:HD2	1:29:B:LEU:H	8	0.14
(1,765)	1:28:A:LYS:HD2	1:29:A:LEU:H	8	0.14
(1,732)	1:52:B:GLU:HB3	1:31:B:LYS:HE2	11	0.14
(1,731)	1:52:A:GLU:HB3	1:31:A:LYS:HE2	11	0.14
(1,710)	1:22:B:LYS:HD3	1:37:B:LEU:HB2	6	0.14
(1,700)	1:57:B:LYS:HD3	1:56:B:GLN:HB3	4	0.14
(1,700)	1:57:B:LYS:HD3	1:56:B:GLN:HB3	6	0.14
(1,699)	1:57:A:LYS:HD3	1:56:A:GLN:HB3	4	0.14
(1,699)	1:57:A:LYS:HD3	1:56:A:GLN:HB3	6	0.14
(1,642)	1:40:B:ARG:HG2	1:40:B:ARG:HA	20	0.14
(1,641)	1:40:A:ARG:HG2	1:40:A:ARG:HA	20	0.14
(1,608)	1:37:B:LEU:HD13	1:18:B:LYS:HE3	20	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,607)	1:37:A:LEU:HD13	1:18:A:LYS:HE3	20	0.14
(1,580)	1:29:B:LEU:HD23	1:70:B:VAL:H	12	0.14
(1,579)	1:29:A:LEU:HD23	1:70:A:VAL:H	12	0.14
(1,546)	1:99:B:ARG:HG3	1:94:B:PRO:HA	9	0.14
(1,545)	1:99:A:ARG:HG3	1:94:A:PRO:HA	9	0.14
(1,534)	1:38:B:LEU:HD21	1:62:B:LEU:HD13	1	0.14
(1,524)	1:42:B:LEU:HD12	1:41:B:GLU:HA	10	0.14
(1,523)	1:42:A:LEU:HD12	1:41:A:GLU:HA	10	0.14
(1,508)	1:34:B:LEU:HD23	1:59:B:MET:HG2	7	0.14
(1,507)	1:34:A:LEU:HD23	1:59:A:MET:HG2	7	0.14
(1,476)	1:28:B:LYS:HG2	1:25:B:ASP:HB2	7	0.14
(1,476)	1:28:B:LYS:HG2	1:25:B:ASP:HB2	15	0.14
(1,475)	1:28:A:LYS:HG2	1:25:A:ASP:HB2	7	0.14
(1,470)	1:9:B:LEU:HD22	1:6:B:GLU:HA	14	0.14
(1,469)	1:9:A:LEU:HD22	1:6:A:GLU:HA	14	0.14
(1,458)	1:58:B:LEU:HD21	1:62:B:LEU:HD13	1	0.14
(1,457)	1:58:A:LEU:HD21	1:62:A:LEU:HD13	1	0.14
(1,430)	1:5:B:LEU:HD21	1:9:A:LEU:HA	17	0.14
(1,398)	1:7:B:LYS:HG3	1:7:B:LYS:HA	11	0.14
(1,382)	1:31:B:LYS:HG2	1:68:B:ASN:HD21	16	0.14
(1,368)	1:57:B:LYS:HG3	1:57:B:LYS:H	3	0.14
(1,368)	1:57:B:LYS:HG2	1:57:B:LYS:H	13	0.14
(1,367)	1:57:A:LYS:HG3	1:57:A:LYS:H	3	0.14
(1,367)	1:57:A:LYS:HG2	1:57:A:LYS:H	13	0.14
(1,324)	1:58:B:LEU:HD13	1:58:B:LEU:HB2	1	0.14
(1,324)	1:58:B:LEU:HD13	1:58:B:LEU:HB2	5	0.14
(1,324)	1:58:B:LEU:HD12	1:58:B:LEU:HB2	16	0.14
(1,323)	1:58:A:LEU:HD13	1:58:A:LEU:HB2	1	0.14
(1,323)	1:58:A:LEU:HD13	1:58:A:LEU:HB2	5	0.14
(1,323)	1:58:A:LEU:HD12	1:58:A:LEU:HB2	16	0.14
(1,318)	1:62:B:LEU:HD23	1:82:B:ILE:HD11	6	0.14
(1,317)	1:62:A:LEU:HD23	1:82:A:ILE:HD11	6	0.14
(1,316)	1:62:B:LEU:HD22	1:62:B:LEU:HD23	1	0.14
(1,316)	1:62:B:LEU:HD22	1:62:B:LEU:HD21	2	0.14
(1,316)	1:62:B:LEU:HD22	1:62:B:LEU:HD21	3	0.14
(1,316)	1:62:B:LEU:HD22	1:62:B:LEU:HD23	4	0.14
(1,316)	1:62:B:LEU:HD22	1:62:B:LEU:HD21	5	0.14
(1,316)	1:62:B:LEU:HD22	1:62:B:LEU:HD23	7	0.14
(1,316)	1:62:B:LEU:HD22	1:62:B:LEU:HD23	8	0.14
(1,316)	1:62:B:LEU:HD22	1:62:B:LEU:HD23	9	0.14
(1,316)	1:62:B:LEU:HD22	1:62:B:LEU:HD21	10	0.14
(1,316)	1:62:B:LEU:HD22	1:62:B:LEU:HD23	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,316)	1:62:B:LEU:HD22	1:62:B:LEU:HD21	12	0.14
(1,316)	1:62:B:LEU:HD22	1:62:B:LEU:HD21	13	0.14
(1,316)	1:62:B:LEU:HD22	1:62:B:LEU:HD23	14	0.14
(1,316)	1:62:B:LEU:HD22	1:62:B:LEU:HD21	15	0.14
(1,316)	1:62:B:LEU:HD22	1:62:B:LEU:HD23	16	0.14
(1,316)	1:62:B:LEU:HD21	1:62:B:LEU:HD23	17	0.14
(1,316)	1:62:B:LEU:HD22	1:62:B:LEU:HD23	18	0.14
(1,316)	1:62:B:LEU:HD22	1:62:B:LEU:HD21	19	0.14
(1,316)	1:62:B:LEU:HD22	1:62:B:LEU:HD23	20	0.14
(1,315)	1:62:A:LEU:HD22	1:62:A:LEU:HD23	1	0.14
(1,315)	1:62:A:LEU:HD22	1:62:A:LEU:HD21	2	0.14
(1,315)	1:62:A:LEU:HD21	1:62:A:LEU:HD23	3	0.14
(1,315)	1:62:A:LEU:HD22	1:62:A:LEU:HD23	4	0.14
(1,315)	1:62:A:LEU:HD22	1:62:A:LEU:HD21	5	0.14
(1,315)	1:62:A:LEU:HD22	1:62:A:LEU:HD23	7	0.14
(1,315)	1:62:A:LEU:HD22	1:62:A:LEU:HD23	8	0.14
(1,315)	1:62:A:LEU:HD22	1:62:A:LEU:HD23	9	0.14
(1,315)	1:62:A:LEU:HD22	1:62:A:LEU:HD21	10	0.14
(1,315)	1:62:A:LEU:HD22	1:62:A:LEU:HD23	11	0.14
(1,315)	1:62:A:LEU:HD21	1:62:A:LEU:HD23	12	0.14
(1,315)	1:62:A:LEU:HD22	1:62:A:LEU:HD21	13	0.14
(1,315)	1:62:A:LEU:HD22	1:62:A:LEU:HD23	14	0.14
(1,315)	1:62:A:LEU:HD22	1:62:A:LEU:HD21	15	0.14
(1,315)	1:62:A:LEU:HD22	1:62:A:LEU:HD23	16	0.14
(1,315)	1:62:A:LEU:HD21	1:62:A:LEU:HD23	17	0.14
(1,315)	1:62:A:LEU:HD22	1:62:A:LEU:HD23	18	0.14
(1,315)	1:62:A:LEU:HD21	1:62:A:LEU:HD23	19	0.14
(1,315)	1:62:A:LEU:HD22	1:62:A:LEU:HD23	20	0.14
(1,314)	1:62:B:LEU:HD21	1:58:B:LEU:HD13	9	0.14
(1,313)	1:62:A:LEU:HD21	1:58:A:LEU:HD13	9	0.14
(1,300)	1:38:B:LEU:HD13	1:45:B:PHE:HB2	9	0.14
(1,299)	1:38:A:LEU:HD13	1:45:A:PHE:HB2	9	0.14
(1,268)	1:9:B:LEU:HD12	1:12:A:MET:HB2	3	0.14
(1,267)	1:9:A:LEU:HD12	1:12:B:MET:HB2	3	0.14
(1,247)	1:5:A:LEU:HD12	1:12:B:MET:H	17	0.14
(1,234)	1:13:B:VAL:HG22	1:13:B:VAL:HA	11	0.14
(1,233)	1:13:A:VAL:HG22	1:13:A:VAL:HA	6	0.14
(1,233)	1:13:A:VAL:HG22	1:13:A:VAL:HA	11	0.14
(1,233)	1:13:A:VAL:HG22	1:13:A:VAL:HA	12	0.14
(1,224)	1:70:B:VAL:HG23	1:29:B:LEU:H	10	0.14
(1,223)	1:70:A:VAL:HG23	1:29:A:LEU:H	10	0.14
(1,190)	1:16:B:PHE:H	1:79:B:LEU:HD11	7	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,190)	1:16:B:PHE:H	1:79:B:LEU:HD12	16	0.14
(1,189)	1:16:A:PHE:H	1:79:A:LEU:HD12	16	0.14
(1,148)	1:13:B:VAL:HG13	1:84:A:MET:HA	7	0.14
(1,147)	1:13:A:VAL:HG13	1:84:B:MET:HA	7	0.14
(1,140)	1:77:B:VAL:HG11	1:77:B:VAL:HG13	1	0.14
(1,140)	1:77:B:VAL:HG12	1:77:B:VAL:HG11	2	0.14
(1,140)	1:77:B:VAL:HG12	1:77:B:VAL:HG13	3	0.14
(1,140)	1:77:B:VAL:HG12	1:77:B:VAL:HG11	5	0.14
(1,140)	1:77:B:VAL:HG12	1:77:B:VAL:HG13	6	0.14
(1,140)	1:77:B:VAL:HG12	1:77:B:VAL:HG13	7	0.14
(1,140)	1:77:B:VAL:HG12	1:77:B:VAL:HG11	8	0.14
(1,140)	1:77:B:VAL:HG11	1:77:B:VAL:HG13	9	0.14
(1,140)	1:77:B:VAL:HG12	1:77:B:VAL:HG11	10	0.14
(1,140)	1:77:B:VAL:HG12	1:77:B:VAL:HG13	12	0.14
(1,140)	1:77:B:VAL:HG12	1:77:B:VAL:HG11	13	0.14
(1,140)	1:77:B:VAL:HG12	1:77:B:VAL:HG13	14	0.14
(1,140)	1:77:B:VAL:HG12	1:77:B:VAL:HG13	15	0.14
(1,140)	1:77:B:VAL:HG12	1:77:B:VAL:HG13	16	0.14
(1,140)	1:77:B:VAL:HG12	1:77:B:VAL:HG13	17	0.14
(1,140)	1:77:B:VAL:HG11	1:77:B:VAL:HG13	18	0.14
(1,140)	1:77:B:VAL:HG12	1:77:B:VAL:HG13	19	0.14
(1,140)	1:77:B:VAL:HG12	1:77:B:VAL:HG11	20	0.14
(1,139)	1:77:A:VAL:HG12	1:77:A:VAL:HG13	1	0.14
(1,139)	1:77:A:VAL:HG12	1:77:A:VAL:HG11	3	0.14
(1,139)	1:77:A:VAL:HG12	1:77:A:VAL:HG13	6	0.14
(1,139)	1:77:A:VAL:HG11	1:77:A:VAL:HG13	7	0.14
(1,139)	1:77:A:VAL:HG12	1:77:A:VAL:HG11	8	0.14
(1,139)	1:77:A:VAL:HG11	1:77:A:VAL:HG13	9	0.14
(1,139)	1:77:A:VAL:HG11	1:77:A:VAL:HG13	10	0.14
(1,139)	1:77:A:VAL:HG12	1:77:A:VAL:HG13	11	0.14
(1,139)	1:77:A:VAL:HG12	1:77:A:VAL:HG11	12	0.14
(1,139)	1:77:A:VAL:HG11	1:77:A:VAL:HG13	14	0.14
(1,139)	1:77:A:VAL:HG12	1:77:A:VAL:HG11	15	0.14
(1,139)	1:77:A:VAL:HG11	1:77:A:VAL:HG13	16	0.14
(1,139)	1:77:A:VAL:HG12	1:77:A:VAL:HG13	17	0.14
(1,139)	1:77:A:VAL:HG11	1:77:A:VAL:HG13	19	0.14
(1,139)	1:77:A:VAL:HG11	1:77:A:VAL:HG13	20	0.14
(1,136)	1:77:B:VAL:HG12	1:73:B:GLN:HG2	16	0.14
(1,135)	1:77:A:VAL:HG12	1:73:A:GLN:HG2	11	0.14
(1,135)	1:77:A:VAL:HG12	1:73:A:GLN:HG2	16	0.14
(1,30)	1:82:B:ILE:H	1:82:B:ILE:HD13	10	0.14
(1,30)	1:82:B:ILE:H	1:82:B:ILE:HD11	12	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,29)	1:82:A:ILE:H	1:82:A:ILE:HD13	10	0.14
(1,29)	1:82:A:ILE:H	1:82:A:ILE:HD11	12	0.14
(1,10)	1:5:B:LEU:HD13	1:15:A:THR:HB	1	0.14
(1,9)	1:5:A:LEU:HD13	1:15:B:THR:HB	10	0.14
(3,153)	1:76:B:SER:N	1:72:B:PHE:O	11	0.13
(3,118)	1:19:B:TYR:H	1:15:B:THR:O	6	0.13
(3,118)	1:19:B:TYR:H	1:15:B:THR:O	10	0.13
(3,118)	1:19:B:TYR:H	1:15:B:THR:O	15	0.13
(3,114)	1:17:B:HIS:H	1:13:B:VAL:O	19	0.13
(3,109)	1:15:B:THR:N	1:11:B:VAL:O	20	0.13
(3,108)	1:14:B:SER:H	1:10:B:ASP:O	7	0.13
(3,108)	1:14:B:SER:H	1:10:B:ASP:O	12	0.13
(3,106)	1:13:B:VAL:H	1:9:B:LEU:O	1	0.13
(3,106)	1:13:B:VAL:H	1:9:B:LEU:O	2	0.13
(3,106)	1:13:B:VAL:H	1:9:B:LEU:O	5	0.13
(3,106)	1:13:B:VAL:H	1:9:B:LEU:O	13	0.13
(3,106)	1:13:B:VAL:H	1:9:B:LEU:O	15	0.13
(3,106)	1:13:B:VAL:H	1:9:B:LEU:O	16	0.13
(3,100)	1:10:B:ASP:H	1:6:B:GLU:O	10	0.13
(3,100)	1:10:B:ASP:H	1:6:B:GLU:O	14	0.13
(3,100)	1:10:B:ASP:H	1:6:B:GLU:O	17	0.13
(3,100)	1:10:B:ASP:H	1:6:B:GLU:O	19	0.13
(3,61)	1:76:A:SER:N	1:72:A:PHE:O	11	0.13
(3,26)	1:19:A:TYR:H	1:15:A:THR:O	6	0.13
(3,26)	1:19:A:TYR:H	1:15:A:THR:O	10	0.13
(3,26)	1:19:A:TYR:H	1:15:A:THR:O	15	0.13
(3,17)	1:15:A:THR:N	1:11:A:VAL:O	1	0.13
(3,17)	1:15:A:THR:N	1:11:A:VAL:O	20	0.13
(3,16)	1:14:A:SER:H	1:10:A:ASP:O	4	0.13
(3,16)	1:14:A:SER:H	1:10:A:ASP:O	7	0.13
(3,16)	1:14:A:SER:H	1:10:A:ASP:O	11	0.13
(3,16)	1:14:A:SER:H	1:10:A:ASP:O	12	0.13
(3,14)	1:13:A:VAL:H	1:9:A:LEU:O	1	0.13
(3,14)	1:13:A:VAL:H	1:9:A:LEU:O	2	0.13
(3,14)	1:13:A:VAL:H	1:9:A:LEU:O	5	0.13
(3,14)	1:13:A:VAL:H	1:9:A:LEU:O	13	0.13
(3,14)	1:13:A:VAL:H	1:9:A:LEU:O	15	0.13
(3,14)	1:13:A:VAL:H	1:9:A:LEU:O	16	0.13
(3,8)	1:10:A:ASP:H	1:6:A:GLU:O	10	0.13
(3,8)	1:10:A:ASP:H	1:6:A:GLU:O	19	0.13
(2,228)	1:9:B:LEU:H	1:5:B:LEU:HB2	10	0.13
(2,227)	1:9:A:LEU:H	1:5:A:LEU:HB2	10	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,222)	1:5:B:LEU:H	1:41:A:GLU:HA	8	0.13
(2,221)	1:5:A:LEU:H	1:41:B:GLU:HA	8	0.13
(2,218)	1:75:B:TYR:H	1:79:B:LEU:H	2	0.13
(2,218)	1:75:B:TYR:H	1:79:B:LEU:H	5	0.13
(2,218)	1:75:B:TYR:H	1:79:B:LEU:H	19	0.13
(2,217)	1:75:A:TYR:H	1:79:A:LEU:H	2	0.13
(2,217)	1:75:A:TYR:H	1:79:A:LEU:H	5	0.13
(2,217)	1:75:A:TYR:H	1:79:A:LEU:H	19	0.13
(2,151)	1:14:A:SER:HA	1:16:A:PHE:HA	1	0.13
(2,124)	1:74:B:GLU:HA	1:70:B:VAL:HA	14	0.13
(2,98)	1:28:B:LYS:HA	1:30:B:ASN:HD21	15	0.13
(2,97)	1:28:A:LYS:HA	1:30:A:ASN:HD21	1	0.13
(2,44)	1:98:B:PRO:HB3	1:97:B:GLN:HB2	17	0.13
(2,43)	1:98:A:PRO:HB3	1:97:A:GLN:HB2	17	0.13
(1,4600)	1:99:B:ARG:H	1:101:B:LYS:HE2	2	0.13
(1,4600)	1:99:B:ARG:H	1:101:B:LYS:HE2	14	0.13
(1,4599)	1:99:A:ARG:H	1:101:A:LYS:HE2	2	0.13
(1,4599)	1:99:A:ARG:H	1:101:A:LYS:HE2	4	0.13
(1,4598)	1:62:B:LEU:H	1:70:B:VAL:HG23	11	0.13
(1,4597)	1:62:A:LEU:H	1:70:A:VAL:HG23	11	0.13
(1,4590)	1:62:B:LEU:H	1:59:B:MET:H	11	0.13
(1,4590)	1:62:B:LEU:H	1:59:B:MET:H	13	0.13
(1,4589)	1:62:A:LEU:H	1:59:A:MET:H	13	0.13
(1,4588)	1:64:B:SER:H	1:63:B:ASP:H	12	0.13
(1,4587)	1:64:A:SER:H	1:63:A:ASP:H	12	0.13
(1,4522)	1:80:B:SER:H	1:82:B:ILE:HG13	8	0.13
(1,4521)	1:80:A:SER:H	1:82:A:ILE:HG13	8	0.13
(1,4520)	1:80:B:SER:H	1:84:B:MET:H	7	0.13
(1,4520)	1:80:B:SER:H	1:84:B:MET:H	14	0.13
(1,4520)	1:80:B:SER:H	1:84:B:MET:H	17	0.13
(1,4519)	1:80:A:SER:H	1:84:A:MET:H	7	0.13
(1,4519)	1:80:A:SER:H	1:84:A:MET:H	14	0.13
(1,4519)	1:80:A:SER:H	1:84:A:MET:H	17	0.13
(1,4502)	1:87:B:ASN:HD21	1:86:B:SER:HA	2	0.13
(1,4501)	1:87:A:ASN:HD21	1:86:A:SER:HA	2	0.13
(1,4476)	1:86:B:SER:H	1:13:A:VAL:HG21	17	0.13
(1,4464)	1:31:B:LYS:H	1:34:B:LEU:HD22	16	0.13
(1,4463)	1:31:A:LYS:H	1:34:A:LEU:HD22	16	0.13
(1,4408)	1:61:B:ASN:H	1:62:B:LEU:HG	6	0.13
(1,4408)	1:61:B:ASN:H	1:62:B:LEU:HG	10	0.13
(1,4408)	1:61:B:ASN:H	1:62:B:LEU:HG	20	0.13
(1,4407)	1:61:A:ASN:H	1:62:A:LEU:HG	10	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4407)	1:61:A:ASN:H	1:62:A:LEU:HG	20	0.13
(1,4390)	1:76:B:SER:H	1:79:B:LEU:HD12	18	0.13
(1,4389)	1:76:A:SER:H	1:79:A:LEU:HD12	18	0.13
(1,4352)	1:5:B:LEU:H	1:2:B:ALA:HB3	1	0.13
(1,4347)	1:16:A:PHE:H	1:37:A:LEU:HD13	2	0.13
(1,4347)	1:16:A:PHE:H	1:37:A:LEU:HD12	5	0.13
(1,4336)	1:6:B:GLU:H	1:5:B:LEU:HG	20	0.13
(1,4335)	1:6:A:GLU:H	1:5:A:LEU:HG	20	0.13
(1,4313)	1:74:A:GLU:H	1:74:A:GLU:HB3	17	0.13
(1,4295)	1:64:A:SER:H	1:63:A:ASP:H	9	0.13
(1,4288)	1:45:B:PHE:H	1:82:B:ILE:HG22	1	0.13
(1,4287)	1:45:A:PHE:H	1:82:A:ILE:HG22	1	0.13
(1,4238)	1:70:B:VAL:H	1:29:B:LEU:HA	11	0.13
(1,4228)	1:29:B:LEU:H	1:34:B:LEU:HA	7	0.13
(1,4228)	1:29:B:LEU:H	1:34:B:LEU:HA	9	0.13
(1,4227)	1:29:A:LEU:H	1:34:A:LEU:HA	7	0.13
(1,4227)	1:29:A:LEU:H	1:34:A:LEU:HA	9	0.13
(1,4192)	1:11:B:VAL:HA	1:8:B:ALA:HB1	10	0.13
(1,4191)	1:11:A:VAL:HA	1:8:A:ALA:HB1	10	0.13
(1,4156)	1:16:B:PHE:HA	1:20:B:SER:HA	13	0.13
(1,4156)	1:16:B:PHE:HA	1:20:B:SER:HA	15	0.13
(1,4155)	1:16:A:PHE:HA	1:20:A:SER:HA	13	0.13
(1,4155)	1:16:A:PHE:HA	1:20:A:SER:HA	15	0.13
(1,4148)	1:16:B:PHE:HA	1:20:B:SER:HB3	11	0.13
(1,4147)	1:16:A:PHE:HA	1:20:A:SER:HB3	11	0.13
(1,4136)	1:20:B:SER:HB3	1:29:B:LEU:HB2	3	0.13
(1,4135)	1:20:A:SER:HB3	1:29:A:LEU:HB2	3	0.13
(1,4134)	1:70:B:VAL:HA	1:62:B:LEU:HB3	8	0.13
(1,4133)	1:70:A:VAL:HA	1:62:A:LEU:HB3	4	0.13
(1,4133)	1:70:A:VAL:HA	1:62:A:LEU:HB3	8	0.13
(1,4130)	1:74:B:GLU:HA	1:70:B:VAL:HA	14	0.13
(1,4118)	1:64:B:SER:HA	1:60:B:SER:HB2	9	0.13
(1,4117)	1:64:A:SER:HA	1:60:A:SER:HB2	9	0.13
(1,4108)	1:35:B:LYS:HA	1:35:B:LYS:HE2	2	0.13
(1,4108)	1:35:B:LYS:HA	1:35:B:LYS:HE2	9	0.13
(1,4107)	1:35:A:LYS:HA	1:35:A:LYS:HE2	9	0.13
(1,4069)	1:17:A:HIS:HA	1:26:A:LYS:HG2	2	0.13
(1,4062)	1:10:B:ASP:HA	1:82:A:ILE:HB	13	0.13
(1,4050)	1:62:B:LEU:HA	1:78:B:PHE:HA	2	0.13
(1,4049)	1:62:A:LEU:HA	1:78:A:PHE:HA	2	0.13
(1,4006)	1:61:B:ASN:HA	1:57:B:LYS:HA	2	0.13
(1,4005)	1:61:A:ASN:HA	1:57:A:LYS:HA	2	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3980)	1:42:B:LEU:HA	1:44:B:SER:HB3	1	0.13
(1,3980)	1:42:B:LEU:HA	1:44:B:SER:HB3	6	0.13
(1,3980)	1:42:B:LEU:HA	1:44:B:SER:HB3	12	0.13
(1,3979)	1:42:A:LEU:HA	1:44:A:SER:HB3	1	0.13
(1,3979)	1:42:A:LEU:HA	1:44:A:SER:HB3	12	0.13
(1,3964)	1:2:B:ALA:HA	1:15:A:THR:HA	3	0.13
(1,3963)	1:2:A:ALA:HA	1:15:B:THR:HA	3	0.13
(1,3963)	1:2:A:ALA:HA	1:15:B:THR:HA	6	0.13
(1,3946)	1:42:B:LEU:HB2	1:79:B:LEU:HD22	8	0.13
(1,3944)	1:42:B:LEU:HB3	1:79:B:LEU:HD22	10	0.13
(1,3943)	1:42:A:LEU:HB3	1:79:A:LEU:HD22	10	0.13
(1,3874)	1:51:B:ASP:HB2	1:51:B:ASP:HB3	3	0.13
(1,3874)	1:51:B:ASP:HB2	1:51:B:ASP:HB3	15	0.13
(1,3873)	1:51:A:ASP:HB2	1:51:A:ASP:HB3	3	0.13
(1,3873)	1:51:A:ASP:HB2	1:51:A:ASP:HB3	8	0.13
(1,3870)	1:25:B:ASP:HB3	1:28:B:LYS:HE3	18	0.13
(1,3840)	1:28:B:LYS:HD2	1:25:B:ASP:HB2	17	0.13
(1,3839)	1:28:A:LYS:HD2	1:25:A:ASP:HB2	17	0.13
(1,3814)	1:28:B:LYS:HB3	1:70:B:VAL:HG21	18	0.13
(1,3659)	1:18:A:LYS:HD3	1:18:A:LYS:HB2	12	0.13
(1,3654)	1:85:B:MET:HG2	1:82:B:ILE:HG12	4	0.13
(1,3653)	1:85:A:MET:HG2	1:82:A:ILE:HG12	12	0.13
(1,3554)	1:37:B:LEU:HD11	1:29:B:LEU:HA	14	0.13
(1,3554)	1:37:B:LEU:HD11	1:29:B:LEU:HA	19	0.13
(1,3553)	1:37:A:LEU:HD11	1:29:A:LEU:HA	14	0.13
(1,3553)	1:37:A:LEU:HD11	1:29:A:LEU:HA	19	0.13
(1,3548)	1:37:B:LEU:HD22	1:37:B:LEU:HA	20	0.13
(1,3446)	1:35:B:LYS:HG2	1:38:B:LEU:H	19	0.13
(1,3445)	1:35:A:LYS:HG2	1:38:A:LEU:H	19	0.13
(1,3384)	1:14:B:SER:H	1:13:B:VAL:HG23	5	0.13
(1,3370)	1:50:B:THR:HG23	1:49:B:ARG:HD2	19	0.13
(1,3369)	1:50:A:THR:HG23	1:49:A:ARG:HD2	19	0.13
(1,3357)	1:39:A:THR:HG22	1:36:A:GLU:HG3	12	0.13
(1,3316)	1:82:B:ILE:HG22	1:9:A:LEU:HB2	9	0.13
(1,3315)	1:82:A:ILE:HG22	1:9:B:LEU:HB2	9	0.13
(1,3288)	1:87:B:ASN:HD21	1:90:B:PHE:H	6	0.13
(1,3288)	1:87:B:ASN:HD21	1:90:B:PHE:H	12	0.13
(1,3287)	1:87:A:ASN:HD21	1:90:A:PHE:H	6	0.13
(1,3287)	1:87:A:ASN:HD21	1:90:A:PHE:H	12	0.13
(1,3258)	1:73:B:GLN:H	1:87:A:ASN:HD21	7	0.13
(1,3258)	1:73:B:GLN:H	1:87:A:ASN:HD21	11	0.13
(1,3248)	1:88:B:GLU:H	1:73:A:GLN:H	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3247)	1:88:A:GLU:H	1:73:B:GLN:H	16	0.13
(1,3106)	1:50:B:THR:H	1:52:B:GLU:H	3	0.13
(1,3106)	1:50:B:THR:H	1:52:B:GLU:H	19	0.13
(1,3105)	1:50:A:THR:H	1:52:A:GLU:H	19	0.13
(1,3068)	1:60:B:SER:H	1:59:B:MET:HG2	15	0.13
(1,3067)	1:60:A:SER:H	1:59:A:MET:HG2	15	0.13
(1,3066)	1:60:B:SER:H	1:66:B:ARG:HD2	14	0.13
(1,3016)	1:68:B:ASN:HD22	1:59:B:MET:HA	19	0.13
(1,2957)	1:28:A:LYS:H	1:20:A:SER:HB3	16	0.13
(1,2921)	1:66:A:ARG:H	1:63:A:ASP:HB2	5	0.13
(1,2911)	1:44:A:SER:H	1:42:A:LEU:HD22	2	0.13
(1,2796)	1:69:B:GLU:H	1:69:B:GLU:HG3	3	0.13
(1,2795)	1:69:A:GLU:H	1:69:A:GLU:HG3	3	0.13
(1,2774)	1:59:B:MET:H	1:62:B:LEU:HD13	7	0.13
(1,2773)	1:59:A:MET:H	1:62:A:LEU:HD13	7	0.13
(1,2773)	1:59:A:MET:H	1:62:A:LEU:HD12	11	0.13
(1,2752)	1:34:B:LEU:H	1:29:B:LEU:HD13	12	0.13
(1,2751)	1:34:A:LEU:H	1:29:A:LEU:HD13	12	0.13
(1,2736)	1:46:B:LEU:H	1:82:B:ILE:HD13	11	0.13
(1,2735)	1:46:A:LEU:H	1:82:A:ILE:HD13	11	0.13
(1,2713)	1:15:A:THR:H	1:11:A:VAL:HG13	8	0.13
(1,2711)	1:15:A:THR:H	1:2:B:ALA:HB2	16	0.13
(1,2559)	1:27:A:PHE:H	1:20:A:SER:HB3	1	0.13
(1,2494)	1:97:B:GLN:H	1:96:B:LYS:H	9	0.13
(1,2493)	1:97:A:GLN:H	1:96:A:LYS:H	9	0.13
(1,2462)	1:37:B:LEU:H	1:29:B:LEU:HD11	18	0.13
(1,2461)	1:37:A:LEU:H	1:29:A:LEU:HD11	18	0.13
(1,2440)	1:97:B:GLN:H	1:95:B:ASP:HB3	20	0.13
(1,2439)	1:97:A:GLN:H	1:95:A:ASP:HB3	20	0.13
(1,2412)	1:52:B:GLU:H	1:51:B:ASP:HB3	15	0.13
(1,2306)	1:45:B:PHE:H	1:42:B:LEU:HD23	2	0.13
(1,2305)	1:45:A:PHE:H	1:42:A:LEU:HD23	2	0.13
(1,2304)	1:45:B:PHE:H	1:7:A:LYS:HD2	4	0.13
(1,2304)	1:45:B:PHE:H	1:7:A:LYS:HD2	10	0.13
(1,2304)	1:45:B:PHE:H	1:7:A:LYS:HD2	18	0.13
(1,2303)	1:45:A:PHE:H	1:7:B:LYS:HD2	10	0.13
(1,2286)	1:3:B:SER:H	1:40:A:ARG:HA	2	0.13
(1,2285)	1:3:A:SER:H	1:40:B:ARG:HA	2	0.13
(1,2276)	1:75:B:TYR:H	1:84:A:MET:HA	14	0.13
(1,2214)	1:30:B:ASN:H	1:34:B:LEU:HD12	7	0.13
(1,2214)	1:30:B:ASN:H	1:34:B:LEU:HD13	11	0.13
(1,2213)	1:30:A:ASN:H	1:34:A:LEU:HD12	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2213)	1:30:A:ASN:H	1:34:A:LEU:HD13	11	0.13
(1,2210)	1:30:B:ASN:H	1:33:B:GLU:HB3	17	0.13
(1,2209)	1:30:A:ASN:H	1:33:A:GLU:HB3	17	0.13
(1,2166)	1:70:B:VAL:H	1:69:B:GLU:HB2	1	0.13
(1,2162)	1:70:B:VAL:H	1:31:B:LYS:HA	15	0.13
(1,2161)	1:70:A:VAL:H	1:31:A:LYS:HA	15	0.13
(1,2138)	1:29:B:LEU:H	1:73:B:GLN:H	1	0.13
(1,2138)	1:29:B:LEU:H	1:73:B:GLN:H	20	0.13
(1,2137)	1:29:A:LEU:H	1:73:A:GLN:H	11	0.13
(1,2137)	1:29:A:LEU:H	1:73:A:GLN:H	20	0.13
(1,2090)	1:26:B:LYS:H	1:28:B:LYS:HA	10	0.13
(1,2089)	1:26:A:LYS:H	1:28:A:LYS:HA	10	0.13
(1,2070)	1:13:B:VAL:HA	1:83:A:ALA:HB3	5	0.13
(1,2069)	1:13:A:VAL:HA	1:83:B:ALA:HB3	5	0.13
(1,2056)	1:77:B:VAL:HA	1:73:B:GLN:HG2	18	0.13
(1,2055)	1:77:A:VAL:HA	1:73:A:GLN:HG2	18	0.13
(1,2036)	1:43:B:PRO:HA	1:7:A:LYS:HD2	20	0.13
(1,2020)	1:82:B:ILE:HA	1:85:B:MET:HB3	8	0.13
(1,2019)	1:82:A:ILE:HA	1:85:A:MET:HB3	8	0.13
(1,1990)	1:60:B:SER:HB2	1:60:B:SER:HA	6	0.13
(1,1990)	1:60:B:SER:HB2	1:60:B:SER:HA	19	0.13
(1,1989)	1:60:A:SER:HB2	1:60:A:SER:HA	2	0.13
(1,1989)	1:60:A:SER:HB2	1:60:A:SER:HA	6	0.13
(1,1975)	1:14:A:SER:HB3	1:18:A:LYS:HE2	8	0.13
(1,1931)	1:32:A:SER:HA	1:31:A:LYS:HD3	14	0.13
(1,1844)	1:37:B:LEU:HA	1:29:B:LEU:HD12	3	0.13
(1,1844)	1:37:B:LEU:HA	1:29:B:LEU:HD12	13	0.13
(1,1843)	1:37:A:LEU:HA	1:29:A:LEU:HD12	3	0.13
(1,1843)	1:37:A:LEU:HA	1:29:A:LEU:HD12	13	0.13
(1,1842)	1:37:B:LEU:HD21	1:37:B:LEU:HA	13	0.13
(1,1842)	1:37:B:LEU:HD23	1:37:B:LEU:HA	15	0.13
(1,1842)	1:37:B:LEU:HD22	1:37:B:LEU:HA	20	0.13
(1,1841)	1:37:A:LEU:HD21	1:37:A:LEU:HA	13	0.13
(1,1841)	1:37:A:LEU:HD23	1:37:A:LEU:HA	15	0.13
(1,1841)	1:37:A:LEU:HD22	1:37:A:LEU:HA	20	0.13
(1,1836)	1:37:B:LEU:HA	1:40:B:ARG:HB3	1	0.13
(1,1836)	1:37:B:LEU:HA	1:40:B:ARG:HB3	5	0.13
(1,1836)	1:37:B:LEU:HA	1:40:B:ARG:HB3	6	0.13
(1,1836)	1:37:B:LEU:HA	1:40:B:ARG:HB3	10	0.13
(1,1836)	1:37:B:LEU:HA	1:40:B:ARG:HB3	13	0.13
(1,1836)	1:37:B:LEU:HA	1:40:B:ARG:HB3	16	0.13
(1,1836)	1:37:B:LEU:HA	1:40:B:ARG:HB3	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1836)	1:37:B:LEU:HA	1:40:B:ARG:HB3	19	0.13
(1,1835)	1:37:A:LEU:HA	1:40:A:ARG:HB3	1	0.13
(1,1835)	1:37:A:LEU:HA	1:40:A:ARG:HB3	5	0.13
(1,1835)	1:37:A:LEU:HA	1:40:A:ARG:HB3	6	0.13
(1,1835)	1:37:A:LEU:HA	1:40:A:ARG:HB3	10	0.13
(1,1835)	1:37:A:LEU:HA	1:40:A:ARG:HB3	13	0.13
(1,1835)	1:37:A:LEU:HA	1:40:A:ARG:HB3	16	0.13
(1,1835)	1:37:A:LEU:HA	1:40:A:ARG:HB3	17	0.13
(1,1835)	1:37:A:LEU:HA	1:40:A:ARG:HB3	19	0.13
(1,1784)	1:56:B:GLN:HA	1:56:B:GLN:HG3	18	0.13
(1,1783)	1:56:A:GLN:HA	1:56:A:GLN:HG3	18	0.13
(1,1710)	1:5:B:LEU:HA	1:5:B:LEU:HD12	5	0.13
(1,1709)	1:5:A:LEU:HA	1:5:A:LEU:HD12	5	0.13
(1,1605)	1:41:A:GLU:HA	1:6:B:GLU:HG3	19	0.13
(1,1572)	1:71:B:ASP:HA	1:70:B:VAL:HG13	2	0.13
(1,1572)	1:71:B:ASP:HA	1:70:B:VAL:HG13	18	0.13
(1,1571)	1:71:A:ASP:HA	1:70:A:VAL:HG13	18	0.13
(1,1534)	1:98:B:PRO:HD2	1:97:B:GLN:HA	10	0.13
(1,1533)	1:98:A:PRO:HD2	1:97:A:GLN:HA	10	0.13
(1,1494)	1:42:B:LEU:HB2	1:42:B:LEU:HD21	6	0.13
(1,1493)	1:42:A:LEU:HB2	1:42:A:LEU:HD21	6	0.13
(1,1468)	1:29:B:LEU:HB2	1:31:B:LYS:HA	7	0.13
(1,1467)	1:29:A:LEU:HB2	1:31:A:LYS:HA	7	0.13
(1,1452)	1:29:B:LEU:HB2	1:37:B:LEU:HB3	20	0.13
(1,1408)	1:39:B:THR:HG23	1:40:B:ARG:HD2	7	0.13
(1,1407)	1:39:A:THR:HG23	1:40:A:ARG:HD2	7	0.13
(1,1367)	1:18:A:LYS:HE2	1:11:A:VAL:HG13	5	0.13
(1,1356)	1:22:B:LYS:HE2	1:22:B:LYS:HB3	16	0.13
(1,1355)	1:22:A:LYS:HE2	1:22:A:LYS:HB3	16	0.13
(1,1319)	1:92:A:GLY:H	1:96:A:LYS:HE3	11	0.13
(1,1278)	1:10:B:ASP:HB3	1:12:B:MET:H	18	0.13
(1,1277)	1:10:A:ASP:HB3	1:12:A:MET:H	18	0.13
(1,1268)	1:19:B:TYR:HB3	1:29:B:LEU:HD13	4	0.13
(1,1267)	1:19:A:TYR:HB3	1:29:A:LEU:HD13	4	0.13
(1,1267)	1:19:A:TYR:HB3	1:29:A:LEU:HD13	5	0.13
(1,1265)	1:79:A:LEU:HB2	1:9:B:LEU:HD13	11	0.13
(1,1256)	1:28:B:LYS:HB3	1:70:B:VAL:HG22	7	0.13
(1,1255)	1:28:A:LYS:HB3	1:70:A:VAL:HG22	7	0.13
(1,1228)	1:57:B:LYS:HE3	1:56:B:GLN:HA	12	0.13
(1,1120)	1:70:B:VAL:HG13	1:74:B:GLU:HG3	16	0.13
(1,1082)	1:33:B:GLU:HG2	1:29:B:LEU:HB2	9	0.13
(1,1081)	1:33:A:GLU:HG2	1:29:A:LEU:HB2	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1048)	1:23:B:GLU:HG2	1:33:B:GLU:HG2	18	0.13
(1,1028)	1:41:B:GLU:HG3	1:37:B:LEU:HG	10	0.13
(1,1027)	1:41:A:GLU:HG3	1:37:A:LEU:HG	10	0.13
(1,1004)	1:56:B:GLN:HB2	1:56:B:GLN:HG3	16	0.13
(1,1004)	1:56:B:GLN:HB2	1:56:B:GLN:HG3	20	0.13
(1,1003)	1:56:A:GLN:HB2	1:56:A:GLN:HG3	16	0.13
(1,960)	1:22:B:LYS:HB3	1:33:B:GLU:HG2	8	0.13
(1,959)	1:22:A:LYS:HB3	1:33:A:GLU:HG2	8	0.13
(1,959)	1:22:A:LYS:HB3	1:33:A:GLU:HG2	12	0.13
(1,891)	1:31:A:LYS:HB2	1:30:A:ASN:HA	19	0.13
(1,856)	1:26:B:LYS:HB3	1:21:B:GLY:HA2	5	0.13
(1,855)	1:26:A:LYS:HB3	1:21:A:GLY:HA2	5	0.13
(1,802)	1:41:B:GLU:HB2	1:5:A:LEU:HD23	4	0.13
(1,801)	1:41:A:GLU:HB2	1:5:B:LEU:HD23	4	0.13
(1,782)	1:28:B:LYS:HD3	1:71:B:ASP:HB2	3	0.13
(1,781)	1:28:A:LYS:HD3	1:71:A:ASP:HB2	3	0.13
(1,764)	1:70:B:VAL:H	1:28:B:LYS:HD2	17	0.13
(1,700)	1:57:B:LYS:HD3	1:56:B:GLN:HB3	15	0.13
(1,699)	1:57:A:LYS:HD3	1:56:A:GLN:HB3	15	0.13
(1,672)	1:97:B:GLN:HB2	1:99:B:ARG:HG3	3	0.13
(1,671)	1:97:A:GLN:HB2	1:99:A:ARG:HG3	3	0.13
(1,614)	1:29:B:LEU:HD21	1:22:B:LYS:HD3	14	0.13
(1,613)	1:29:A:LEU:HD21	1:22:A:LYS:HD3	14	0.13
(1,572)	1:94:B:PRO:HG2	1:94:B:PRO:HG3	15	0.13
(1,572)	1:94:B:PRO:HG2	1:94:B:PRO:HG3	17	0.13
(1,572)	1:94:B:PRO:HG2	1:94:B:PRO:HG3	18	0.13
(1,572)	1:94:B:PRO:HG2	1:94:B:PRO:HG3	20	0.13
(1,571)	1:94:A:PRO:HG2	1:94:A:PRO:HG3	17	0.13
(1,571)	1:94:A:PRO:HG2	1:94:A:PRO:HG3	18	0.13
(1,571)	1:94:A:PRO:HG2	1:94:A:PRO:HG3	20	0.13
(1,562)	1:9:B:LEU:HG	1:10:B:ASP:HB2	19	0.13
(1,533)	1:38:A:LEU:HD21	1:62:A:LEU:HD13	1	0.13
(1,429)	1:5:A:LEU:HD21	1:9:B:LEU:HA	7	0.13
(1,410)	1:54:B:ALA:HB1	1:46:B:LEU:HD23	5	0.13
(1,409)	1:54:A:ALA:HB1	1:46:A:LEU:HD23	5	0.13
(1,408)	1:46:B:LEU:HD22	1:46:B:LEU:HB3	16	0.13
(1,407)	1:46:A:LEU:HD22	1:46:A:LEU:HB3	2	0.13
(1,407)	1:46:A:LEU:HD22	1:46:A:LEU:HB3	16	0.13
(1,398)	1:7:B:LYS:HG3	1:7:B:LYS:HA	18	0.13
(1,390)	1:31:B:LYS:HG2	1:34:B:LEU:HD21	3	0.13
(1,390)	1:31:B:LYS:HG2	1:34:B:LEU:HD23	17	0.13
(1,389)	1:31:A:LYS:HG2	1:34:A:LEU:HD21	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,389)	1:31:A:LYS:HG2	1:34:A:LEU:HD23	17	0.13
(1,382)	1:31:B:LYS:HG2	1:68:B:ASN:HD21	4	0.13
(1,381)	1:31:A:LYS:HG2	1:68:A:ASN:HD21	4	0.13
(1,381)	1:31:A:LYS:HG2	1:68:A:ASN:HD21	16	0.13
(1,368)	1:57:B:LYS:HG2	1:57:B:LYS:H	2	0.13
(1,367)	1:57:A:LYS:HG2	1:57:A:LYS:H	2	0.13
(1,367)	1:57:A:LYS:HG3	1:57:A:LYS:H	14	0.13
(1,365)	1:96:A:LYS:HG2	1:91:A:GLU:H	18	0.13
(1,338)	1:58:B:LEU:HD11	1:61:B:ASN:HB3	14	0.13
(1,337)	1:58:A:LEU:HD11	1:61:A:ASN:HB3	14	0.13
(1,324)	1:58:B:LEU:HD13	1:58:B:LEU:HB2	6	0.13
(1,324)	1:58:B:LEU:HD11	1:58:B:LEU:HB2	9	0.13
(1,323)	1:58:A:LEU:HD13	1:58:A:LEU:HB2	6	0.13
(1,323)	1:58:A:LEU:HD11	1:58:A:LEU:HB2	9	0.13
(1,316)	1:62:B:LEU:HD22	1:62:B:LEU:HD21	6	0.13
(1,315)	1:62:A:LEU:HD22	1:62:A:LEU:HD21	6	0.13
(1,272)	1:39:B:THR:HG23	1:38:B:LEU:HD11	14	0.13
(1,271)	1:39:A:THR:HG23	1:38:A:LEU:HD11	14	0.13
(1,267)	1:9:A:LEU:HD12	1:12:B:MET:HB2	8	0.13
(1,262)	1:38:B:LEU:HD11	1:45:B:PHE:HA	2	0.13
(1,261)	1:38:A:LEU:HD11	1:45:A:PHE:HA	2	0.13
(1,248)	1:5:B:LEU:HD12	1:12:A:MET:H	17	0.13
(1,234)	1:13:B:VAL:HG23	1:13:B:VAL:HA	9	0.13
(1,234)	1:13:B:VAL:HG22	1:13:B:VAL:HA	12	0.13
(1,234)	1:13:B:VAL:HG22	1:13:B:VAL:HA	13	0.13
(1,233)	1:13:A:VAL:HG23	1:13:A:VAL:HA	9	0.13
(1,233)	1:13:A:VAL:HG22	1:13:A:VAL:HA	13	0.13
(1,204)	1:76:B:SER:H	1:77:B:VAL:HG21	7	0.13
(1,203)	1:76:A:SER:H	1:77:A:VAL:HG21	7	0.13
(1,190)	1:16:B:PHE:H	1:79:B:LEU:HD13	19	0.13
(1,189)	1:16:A:PHE:H	1:79:A:LEU:HD13	19	0.13
(1,182)	1:50:B:THR:HG22	1:48:B:LYS:HB3	12	0.13
(1,181)	1:50:A:THR:HG22	1:48:A:LYS:HB3	12	0.13
(1,136)	1:77:B:VAL:HG12	1:73:B:GLN:HG2	11	0.13
(1,135)	1:77:A:VAL:HG12	1:73:A:GLN:HG2	19	0.13
(1,114)	1:2:B:ALA:HB1	1:6:B:GLU:HA	5	0.13
(1,114)	1:2:B:ALA:HB1	1:6:B:GLU:HA	11	0.13
(1,113)	1:2:A:ALA:HB1	1:6:A:GLU:HA	5	0.13
(1,113)	1:2:A:ALA:HB1	1:6:A:GLU:HA	11	0.13
(1,30)	1:82:B:ILE:H	1:82:B:ILE:HD11	9	0.13
(1,29)	1:82:A:ILE:H	1:82:A:ILE:HD12	3	0.13
(1,29)	1:82:A:ILE:H	1:82:A:ILE:HD11	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,22)	1:31:B:LYS:HG2	1:31:B:LYS:HE2	10	0.13
(1,21)	1:31:A:LYS:HG2	1:31:A:LYS:HE2	10	0.13
(1,12)	1:5:B:LEU:HD23	1:42:A:LEU:HG	5	0.13
(1,11)	1:5:A:LEU:HD23	1:42:B:LEU:HG	5	0.13
(1,9)	1:5:A:LEU:HD13	1:15:B:THR:HB	1	0.13
(3,184)	1:91:B:GLU:H	1:87:B:ASN:O	3	0.12
(3,184)	1:91:B:GLU:H	1:87:B:ASN:O	17	0.12
(3,169)	1:84:B:MET:N	1:80:B:SER:O	4	0.12
(3,169)	1:84:B:MET:N	1:80:B:SER:O	13	0.12
(3,169)	1:84:B:MET:N	1:80:B:SER:O	18	0.12
(3,114)	1:17:B:HIS:H	1:13:B:VAL:O	2	0.12
(3,114)	1:17:B:HIS:H	1:13:B:VAL:O	17	0.12
(3,109)	1:15:B:THR:N	1:11:B:VAL:O	1	0.12
(3,109)	1:15:B:THR:N	1:11:B:VAL:O	5	0.12
(3,109)	1:15:B:THR:N	1:11:B:VAL:O	18	0.12
(3,108)	1:14:B:SER:H	1:10:B:ASP:O	4	0.12
(3,108)	1:14:B:SER:H	1:10:B:ASP:O	13	0.12
(3,106)	1:13:B:VAL:H	1:9:B:LEU:O	20	0.12
(3,100)	1:10:B:ASP:H	1:6:B:GLU:O	3	0.12
(3,100)	1:10:B:ASP:H	1:6:B:GLU:O	5	0.12
(3,100)	1:10:B:ASP:H	1:6:B:GLU:O	13	0.12
(3,99)	1:10:B:ASP:N	1:6:B:GLU:O	15	0.12
(3,94)	1:29:B:LEU:N	1:70:B:VAL:O	1	0.12
(3,94)	1:29:B:LEU:N	1:70:B:VAL:O	3	0.12
(3,94)	1:29:B:LEU:N	1:70:B:VAL:O	9	0.12
(3,94)	1:29:B:LEU:N	1:70:B:VAL:O	10	0.12
(3,94)	1:29:B:LEU:N	1:70:B:VAL:O	12	0.12
(3,92)	1:91:A:GLU:H	1:87:A:ASN:O	17	0.12
(3,77)	1:84:A:MET:N	1:80:A:SER:O	4	0.12
(3,77)	1:84:A:MET:N	1:80:A:SER:O	13	0.12
(3,77)	1:84:A:MET:N	1:80:A:SER:O	18	0.12
(3,61)	1:76:A:SER:N	1:72:A:PHE:O	19	0.12
(3,30)	1:21:A:GLY:H	1:17:A:HIS:O	14	0.12
(3,22)	1:17:A:HIS:H	1:13:A:VAL:O	2	0.12
(3,22)	1:17:A:HIS:H	1:13:A:VAL:O	6	0.12
(3,22)	1:17:A:HIS:H	1:13:A:VAL:O	17	0.12
(3,22)	1:17:A:HIS:H	1:13:A:VAL:O	19	0.12
(3,17)	1:15:A:THR:N	1:11:A:VAL:O	18	0.12
(3,16)	1:14:A:SER:H	1:10:A:ASP:O	13	0.12
(3,14)	1:13:A:VAL:H	1:9:A:LEU:O	12	0.12
(3,14)	1:13:A:VAL:H	1:9:A:LEU:O	20	0.12
(3,8)	1:10:A:ASP:H	1:6:A:GLU:O	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,8)	1:10:A:ASP:H	1:6:A:GLU:O	13	0.12
(3,8)	1:10:A:ASP:H	1:6:A:GLU:O	14	0.12
(3,8)	1:10:A:ASP:H	1:6:A:GLU:O	17	0.12
(3,7)	1:10:A:ASP:N	1:6:A:GLU:O	15	0.12
(3,2)	1:29:A:LEU:N	1:70:A:VAL:O	1	0.12
(3,2)	1:29:A:LEU:N	1:70:A:VAL:O	3	0.12
(3,2)	1:29:A:LEU:N	1:70:A:VAL:O	9	0.12
(3,2)	1:29:A:LEU:N	1:70:A:VAL:O	10	0.12
(3,2)	1:29:A:LEU:N	1:70:A:VAL:O	12	0.12
(2,280)	1:56:B:GLN:HE22	1:59:B:MET:HG3	18	0.12
(2,279)	1:56:A:GLN:HE22	1:59:A:MET:HG3	18	0.12
(2,228)	1:9:B:LEU:H	1:5:B:LEU:HB2	3	0.12
(2,227)	1:9:A:LEU:H	1:5:A:LEU:HB2	3	0.12
(2,195)	1:22:A:LYS:H	1:19:A:TYR:HB2	16	0.12
(2,194)	1:22:B:LYS:H	1:30:B:ASN:HD21	11	0.12
(2,193)	1:22:A:LYS:H	1:30:A:ASN:HD21	11	0.12
(2,183)	1:45:A:PHE:H	1:43:A:PRO:HB3	20	0.12
(2,116)	1:101:B:LYS:HA	1:98:B:PRO:HA	6	0.12
(2,98)	1:28:B:LYS:HA	1:30:B:ASN:HD21	1	0.12
(2,98)	1:28:B:LYS:HA	1:30:B:ASN:HD21	11	0.12
(2,98)	1:28:B:LYS:HA	1:30:B:ASN:HD21	17	0.12
(2,97)	1:28:A:LYS:HA	1:30:A:ASN:HD21	11	0.12
(2,97)	1:28:A:LYS:HA	1:30:A:ASN:HD21	17	0.12
(2,78)	1:49:B:ARG:HD2	1:46:B:LEU:HA	7	0.12
(2,77)	1:49:A:ARG:HD2	1:46:A:LEU:HA	7	0.12
(2,50)	1:69:B:GLU:HB2	1:30:B:ASN:HB2	2	0.12
(2,49)	1:69:A:GLU:HB2	1:30:A:ASN:HB2	2	0.12
(2,49)	1:69:A:GLU:HB2	1:30:A:ASN:HB2	12	0.12
(2,16)	1:28:B:LYS:HG2	1:20:B:SER:HB3	12	0.12
(2,15)	1:28:A:LYS:HG2	1:20:A:SER:HB3	12	0.12
(2,12)	1:7:B:LYS:HG3	1:5:B:LEU:H	15	0.12
(2,11)	1:7:A:LYS:HG3	1:5:A:LEU:H	15	0.12
(1,4608)	1:81:B:SER:H	1:76:B:SER:H	17	0.12
(1,4607)	1:81:A:SER:H	1:76:A:SER:H	11	0.12
(1,4607)	1:81:A:SER:H	1:76:A:SER:H	12	0.12
(1,4607)	1:81:A:SER:H	1:76:A:SER:H	17	0.12
(1,4600)	1:99:B:ARG:H	1:101:B:LYS:HE2	4	0.12
(1,4599)	1:99:A:ARG:H	1:101:A:LYS:HE2	14	0.12
(1,4598)	1:62:B:LEU:H	1:70:B:VAL:HG23	14	0.12
(1,4597)	1:62:A:LEU:H	1:70:A:VAL:HG23	14	0.12
(1,4589)	1:62:A:LEU:H	1:59:A:MET:H	11	0.12
(1,4522)	1:80:B:SER:H	1:82:B:ILE:HG13	15	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4521)	1:80:A:SER:H	1:82:A:ILE:HG13	15	0.12
(1,4520)	1:80:B:SER:H	1:84:B:MET:H	4	0.12
(1,4519)	1:80:A:SER:H	1:84:A:MET:H	4	0.12
(1,4510)	1:32:B:SER:H	1:34:B:LEU:HD22	10	0.12
(1,4509)	1:32:A:SER:H	1:34:A:LEU:HD22	10	0.12
(1,4476)	1:86:B:SER:H	1:13:A:VAL:HG23	3	0.12
(1,4475)	1:86:A:SER:H	1:13:B:VAL:HG23	3	0.12
(1,4475)	1:86:A:SER:H	1:13:B:VAL:HG21	10	0.12
(1,4475)	1:86:A:SER:H	1:13:B:VAL:HG21	17	0.12
(1,4474)	1:85:B:MET:H	1:83:B:ALA:HB1	6	0.12
(1,4473)	1:85:A:MET:H	1:83:A:ALA:HB1	6	0.12
(1,4463)	1:31:A:LYS:H	1:34:A:LEU:HD22	15	0.12
(1,4418)	1:35:B:LYS:H	1:36:B:GLU:HG3	7	0.12
(1,4418)	1:35:B:LYS:H	1:36:B:GLU:HG3	8	0.12
(1,4417)	1:35:A:LYS:H	1:36:A:GLU:HG3	8	0.12
(1,4412)	1:35:B:LYS:H	1:39:B:THR:H	20	0.12
(1,4411)	1:35:A:LYS:H	1:39:A:THR:H	20	0.12
(1,4398)	1:72:B:PHE:H	1:73:B:GLN:HA	4	0.12
(1,4397)	1:72:A:PHE:H	1:73:A:GLN:HA	4	0.12
(1,4348)	1:16:B:PHE:H	1:37:B:LEU:HD13	2	0.12
(1,4328)	1:90:B:PHE:H	1:91:B:GLU:HG3	3	0.12
(1,4296)	1:64:B:SER:H	1:63:B:ASP:H	9	0.12
(1,4238)	1:70:B:VAL:H	1:29:B:LEU:HA	3	0.12
(1,4238)	1:70:B:VAL:H	1:29:B:LEU:HA	4	0.12
(1,4237)	1:70:A:VAL:H	1:29:A:LEU:HA	3	0.12
(1,4237)	1:70:A:VAL:H	1:29:A:LEU:HA	4	0.12
(1,4228)	1:29:B:LEU:H	1:34:B:LEU:HA	14	0.12
(1,4228)	1:29:B:LEU:H	1:34:B:LEU:HA	20	0.12
(1,4227)	1:29:A:LEU:H	1:34:A:LEU:HA	14	0.12
(1,4227)	1:29:A:LEU:H	1:34:A:LEU:HA	20	0.12
(1,4192)	1:11:B:VAL:HA	1:8:B:ALA:HB1	13	0.12
(1,4191)	1:11:A:VAL:HA	1:8:A:ALA:HB1	13	0.12
(1,4166)	1:76:B:SER:HA	1:83:A:ALA:HB2	13	0.12
(1,4156)	1:16:B:PHE:HA	1:20:B:SER:HA	9	0.12
(1,4156)	1:16:B:PHE:HA	1:20:B:SER:HA	12	0.12
(1,4155)	1:16:A:PHE:HA	1:20:A:SER:HA	9	0.12
(1,4155)	1:16:A:PHE:HA	1:20:A:SER:HA	12	0.12
(1,4108)	1:35:B:LYS:HA	1:35:B:LYS:HE2	18	0.12
(1,4070)	1:17:B:HIS:HA	1:26:B:LYS:HG2	2	0.12
(1,4036)	1:48:B:LYS:HA	1:46:B:LEU:HA	12	0.12
(1,4035)	1:48:A:LYS:HA	1:46:A:LEU:HA	12	0.12
(1,4006)	1:61:B:ASN:HA	1:57:B:LYS:HA	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4005)	1:61:A:ASN:HA	1:57:A:LYS:HA	8	0.12
(1,3980)	1:42:B:LEU:HA	1:44:B:SER:HB3	2	0.12
(1,3979)	1:42:A:LEU:HA	1:44:A:SER:HB3	2	0.12
(1,3979)	1:42:A:LEU:HA	1:44:A:SER:HB3	4	0.12
(1,3963)	1:2:A:ALA:HA	1:15:B:THR:HA	14	0.12
(1,3944)	1:42:B:LEU:HB3	1:79:B:LEU:HD21	8	0.12
(1,3943)	1:42:A:LEU:HB3	1:79:A:LEU:HD21	8	0.12
(1,3874)	1:18:B:LYS:HE2	1:18:B:LYS:HE3	1	0.12
(1,3874)	1:51:B:ASP:HB2	1:51:B:ASP:HB3	2	0.12
(1,3874)	1:51:B:ASP:HB2	1:51:B:ASP:HB3	4	0.12
(1,3874)	1:51:B:ASP:HB2	1:51:B:ASP:HB3	5	0.12
(1,3874)	1:18:B:LYS:HE2	1:18:B:LYS:HE3	6	0.12
(1,3874)	1:18:B:LYS:HE2	1:18:B:LYS:HE3	7	0.12
(1,3874)	1:51:B:ASP:HB2	1:51:B:ASP:HB3	8	0.12
(1,3874)	1:18:B:LYS:HE2	1:18:B:LYS:HE3	9	0.12
(1,3874)	1:18:B:LYS:HE2	1:18:B:LYS:HE3	10	0.12
(1,3874)	1:18:B:LYS:HE2	1:18:B:LYS:HE3	11	0.12
(1,3874)	1:51:B:ASP:HB2	1:51:B:ASP:HB3	12	0.12
(1,3874)	1:18:B:LYS:HE2	1:18:B:LYS:HE3	13	0.12
(1,3874)	1:51:B:ASP:HB2	1:51:B:ASP:HB3	14	0.12
(1,3874)	1:51:B:ASP:HB2	1:51:B:ASP:HB3	16	0.12
(1,3874)	1:51:B:ASP:HB2	1:51:B:ASP:HB3	17	0.12
(1,3874)	1:18:B:LYS:HE2	1:18:B:LYS:HE3	18	0.12
(1,3874)	1:51:B:ASP:HB2	1:51:B:ASP:HB3	19	0.12
(1,3874)	1:18:B:LYS:HE2	1:18:B:LYS:HE3	20	0.12
(1,3873)	1:18:A:LYS:HE2	1:18:A:LYS:HE3	1	0.12
(1,3873)	1:51:A:ASP:HB2	1:51:A:ASP:HB3	2	0.12
(1,3873)	1:51:A:ASP:HB2	1:51:A:ASP:HB3	4	0.12
(1,3873)	1:51:A:ASP:HB2	1:51:A:ASP:HB3	5	0.12
(1,3873)	1:18:A:LYS:HE2	1:18:A:LYS:HE3	6	0.12
(1,3873)	1:18:A:LYS:HE2	1:18:A:LYS:HE3	7	0.12
(1,3873)	1:18:A:LYS:HE2	1:18:A:LYS:HE3	9	0.12
(1,3873)	1:18:A:LYS:HE2	1:18:A:LYS:HE3	10	0.12
(1,3873)	1:18:A:LYS:HE2	1:18:A:LYS:HE3	11	0.12
(1,3873)	1:51:A:ASP:HB2	1:51:A:ASP:HB3	12	0.12
(1,3873)	1:51:A:ASP:HB2	1:51:A:ASP:HB3	13	0.12
(1,3873)	1:51:A:ASP:HB2	1:51:A:ASP:HB3	14	0.12
(1,3873)	1:51:A:ASP:HB2	1:51:A:ASP:HB3	15	0.12
(1,3873)	1:51:A:ASP:HB2	1:51:A:ASP:HB3	16	0.12
(1,3873)	1:51:A:ASP:HB2	1:51:A:ASP:HB3	17	0.12
(1,3873)	1:51:A:ASP:HB2	1:51:A:ASP:HB3	18	0.12
(1,3873)	1:51:A:ASP:HB2	1:51:A:ASP:HB3	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3873)	1:18:A:LYS:HE2	1:18:A:LYS:HE3	20	0.12
(1,3869)	1:25:A:ASP:HB3	1:28:A:LYS:HE3	18	0.12
(1,3836)	1:25:B:ASP:HB3	1:69:B:GLU:HB3	11	0.12
(1,3835)	1:25:A:ASP:HB3	1:69:A:GLU:HB3	11	0.12
(1,3832)	1:9:B:LEU:HB2	1:12:B:MET:HB3	10	0.12
(1,3814)	1:28:B:LYS:HB3	1:70:B:VAL:HG23	12	0.12
(1,3813)	1:28:A:LYS:HB3	1:70:A:VAL:HG23	12	0.12
(1,3780)	1:57:B:LYS:HB3	1:61:B:ASN:HB3	9	0.12
(1,3760)	1:27:B:PHE:HB2	1:96:A:LYS:H	13	0.12
(1,3759)	1:27:A:PHE:HB2	1:96:B:LYS:H	2	0.12
(1,3724)	1:69:B:GLU:HG2	1:29:B:LEU:HA	6	0.12
(1,3723)	1:69:A:GLU:HG2	1:29:A:LEU:HA	6	0.12
(1,3660)	1:31:B:LYS:HB2	1:31:B:LYS:HG3	19	0.12
(1,3653)	1:85:A:MET:HG2	1:82:A:ILE:HG12	4	0.12
(1,3644)	1:31:B:LYS:HB3	1:35:B:LYS:HA	1	0.12
(1,3643)	1:31:A:LYS:HB3	1:35:A:LYS:HA	1	0.12
(1,3578)	1:7:B:LYS:HD3	1:7:B:LYS:HE2	7	0.12
(1,3578)	1:7:B:LYS:HD2	1:7:B:LYS:HE2	9	0.12
(1,3577)	1:7:A:LYS:HD3	1:7:A:LYS:HE2	7	0.12
(1,3577)	1:7:A:LYS:HD2	1:7:A:LYS:HE2	9	0.12
(1,3576)	1:88:B:GLU:HB2	1:101:B:LYS:HE3	12	0.12
(1,3575)	1:88:A:GLU:HB2	1:101:A:LYS:HE3	12	0.12
(1,3533)	1:98:A:PRO:HG2	1:100:A:LYS:HB3	5	0.12
(1,3530)	1:5:B:LEU:HG	1:8:B:ALA:HA	7	0.12
(1,3529)	1:5:A:LEU:HG	1:8:A:ALA:HA	7	0.12
(1,3476)	1:46:B:LEU:HD21	1:45:B:PHE:HB3	6	0.12
(1,3446)	1:35:B:LYS:HG2	1:52:B:GLU:H	2	0.12
(1,3446)	1:35:B:LYS:HG2	1:38:B:LEU:H	15	0.12
(1,3384)	1:14:B:SER:H	1:13:B:VAL:HG22	7	0.12
(1,3383)	1:14:A:SER:H	1:13:A:VAL:HG23	5	0.12
(1,3383)	1:14:A:SER:H	1:13:A:VAL:HG22	7	0.12
(1,3366)	1:39:B:THR:HG22	1:38:B:LEU:HD21	20	0.12
(1,3365)	1:39:A:THR:HG22	1:38:A:LEU:HD21	20	0.12
(1,3358)	1:39:B:THR:HG21	1:36:B:GLU:HG3	7	0.12
(1,3357)	1:39:A:THR:HG21	1:36:A:GLU:HG3	7	0.12
(1,3308)	1:31:B:LYS:HB3	1:31:B:LYS:HA	9	0.12
(1,3308)	1:31:B:LYS:HB3	1:31:B:LYS:HA	14	0.12
(1,3307)	1:31:A:LYS:HB3	1:31:A:LYS:HA	9	0.12
(1,3307)	1:31:A:LYS:HB3	1:31:A:LYS:HA	14	0.12
(1,3306)	1:39:B:THR:HB	1:46:B:LEU:HD12	2	0.12
(1,3305)	1:39:A:THR:HB	1:46:A:LEU:HD12	2	0.12
(1,3257)	1:73:A:GLN:H	1:87:B:ASN:HD21	7	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3248)	1:88:B:GLU:H	1:73:A:GLN:H	16	0.12
(1,3171)	1:30:A:ASN:HD22	1:22:A:LYS:HE3	2	0.12
(1,3105)	1:50:A:THR:H	1:52:A:GLU:H	3	0.12
(1,3065)	1:60:A:SER:H	1:66:A:ARG:HD2	14	0.12
(1,3016)	1:68:B:ASN:HD22	1:59:B:MET:HA	1	0.12
(1,3016)	1:68:B:ASN:HD22	1:59:B:MET:HA	10	0.12
(1,3016)	1:68:B:ASN:HD22	1:59:B:MET:HA	17	0.12
(1,3015)	1:68:A:ASN:HD22	1:59:A:MET:HA	1	0.12
(1,3015)	1:68:A:ASN:HD22	1:59:A:MET:HA	10	0.12
(1,3015)	1:68:A:ASN:HD22	1:59:A:MET:HA	17	0.12
(1,3015)	1:68:A:ASN:HD22	1:59:A:MET:HA	19	0.12
(1,2912)	1:44:B:SER:H	1:42:B:LEU:HD22	2	0.12
(1,2842)	1:68:B:ASN:H	1:68:B:ASN:HB2	19	0.12
(1,2841)	1:68:A:ASN:H	1:68:A:ASN:HB2	19	0.12
(1,2774)	1:59:B:MET:H	1:62:B:LEU:HD12	11	0.12
(1,2559)	1:27:A:PHE:H	1:20:A:SER:HB3	9	0.12
(1,2548)	1:93:B:PHE:H	1:91:B:GLU:HG3	18	0.12
(1,2547)	1:93:A:PHE:H	1:91:A:GLU:HG3	18	0.12
(1,2494)	1:97:B:GLN:H	1:96:B:LYS:H	11	0.12
(1,2494)	1:97:B:GLN:H	1:96:B:LYS:H	14	0.12
(1,2493)	1:97:A:GLN:H	1:96:A:LYS:H	11	0.12
(1,2478)	1:87:B:ASN:H	1:13:A:VAL:HG22	2	0.12
(1,2478)	1:87:B:ASN:H	1:13:A:VAL:HG22	19	0.12
(1,2477)	1:87:A:ASN:H	1:13:B:VAL:HG22	2	0.12
(1,2477)	1:87:A:ASN:H	1:13:B:VAL:HG22	19	0.12
(1,2388)	1:18:B:LYS:H	1:18:B:LYS:HE2	1	0.12
(1,2387)	1:18:A:LYS:H	1:18:A:LYS:HE2	1	0.12
(1,2348)	1:54:B:ALA:H	1:52:B:GLU:HG3	1	0.12
(1,2347)	1:54:A:ALA:H	1:52:A:GLU:HG3	1	0.12
(1,2275)	1:75:A:TYR:H	1:84:B:MET:HA	14	0.12
(1,2214)	1:30:B:ASN:H	1:34:B:LEU:HD11	19	0.12
(1,2213)	1:30:A:ASN:H	1:34:A:LEU:HD11	19	0.12
(1,2165)	1:70:A:VAL:H	1:69:A:GLU:HB2	1	0.12
(1,2140)	1:29:B:LEU:H	1:30:B:ASN:HD21	2	0.12
(1,2139)	1:29:A:LEU:H	1:30:A:ASN:HD21	2	0.12
(1,2139)	1:29:A:LEU:H	1:30:A:ASN:HD21	12	0.12
(1,2138)	1:29:B:LEU:H	1:73:B:GLN:H	2	0.12
(1,2138)	1:29:B:LEU:H	1:73:B:GLN:H	6	0.12
(1,2138)	1:29:B:LEU:H	1:73:B:GLN:H	11	0.12
(1,2137)	1:29:A:LEU:H	1:73:A:GLN:H	1	0.12
(1,2137)	1:29:A:LEU:H	1:73:A:GLN:H	2	0.12
(1,2137)	1:29:A:LEU:H	1:73:A:GLN:H	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2004)	1:98:B:PRO:HA	1:101:B:LYS:HG3	4	0.12
(1,2003)	1:98:A:PRO:HA	1:101:A:LYS:HG3	4	0.12
(1,1995)	1:32:A:SER:HB2	1:33:A:GLU:HG2	3	0.12
(1,1990)	1:60:B:SER:HB2	1:60:B:SER:HA	2	0.12
(1,1990)	1:60:B:SER:HB3	1:60:B:SER:HA	20	0.12
(1,1989)	1:60:A:SER:HB2	1:60:A:SER:HA	19	0.12
(1,1989)	1:60:A:SER:HB3	1:60:A:SER:HA	20	0.12
(1,1975)	1:14:A:SER:HB3	1:18:A:LYS:HE2	19	0.12
(1,1938)	1:50:B:THR:HA	1:54:B:ALA:HB2	2	0.12
(1,1938)	1:50:B:THR:HA	1:54:B:ALA:HB1	7	0.12
(1,1937)	1:50:A:THR:HA	1:54:A:ALA:HB2	2	0.12
(1,1937)	1:50:A:THR:HA	1:54:A:ALA:HB1	7	0.12
(1,1932)	1:32:B:SER:HA	1:31:B:LYS:HD3	14	0.12
(1,1836)	1:37:B:LEU:HA	1:40:B:ARG:HB3	9	0.12
(1,1835)	1:37:A:LEU:HA	1:40:A:ARG:HB3	3	0.12
(1,1835)	1:37:A:LEU:HA	1:40:A:ARG:HB3	9	0.12
(1,1786)	1:59:B:MET:HA	1:59:B:MET:HG2	4	0.12
(1,1785)	1:59:A:MET:HA	1:59:A:MET:HG2	4	0.12
(1,1648)	1:49:B:ARG:HD2	1:49:B:ARG:HA	10	0.12
(1,1647)	1:49:A:ARG:HD2	1:49:A:ARG:HA	10	0.12
(1,1610)	1:25:B:ASP:HB2	1:28:B:LYS:HA	1	0.12
(1,1609)	1:25:A:ASP:HB2	1:28:A:LYS:HA	1	0.12
(1,1606)	1:41:B:GLU:HA	1:6:A:GLU:HG3	19	0.12
(1,1546)	1:43:B:PRO:HD2	1:7:A:LYS:HD2	7	0.12
(1,1494)	1:42:B:LEU:HB2	1:42:B:LEU:HD23	13	0.12
(1,1493)	1:42:A:LEU:HB2	1:42:A:LEU:HD23	13	0.12
(1,1368)	1:18:B:LYS:HE2	1:11:B:VAL:HG11	13	0.12
(1,1368)	1:18:B:LYS:HE2	1:11:B:VAL:HG11	15	0.12
(1,1367)	1:18:A:LYS:HE2	1:11:A:VAL:HG11	15	0.12
(1,1320)	1:92:B:GLY:H	1:96:B:LYS:HE3	11	0.12
(1,1268)	1:19:B:TYR:HB3	1:29:B:LEU:HD13	5	0.12
(1,1227)	1:57:A:LYS:HE3	1:56:A:GLN:HA	12	0.12
(1,1128)	1:84:B:MET:HG3	1:81:B:SER:H	1	0.12
(1,1127)	1:84:A:MET:HG3	1:81:A:SER:H	1	0.12
(1,1122)	1:70:B:VAL:HG12	1:74:B:GLU:HG2	20	0.12
(1,1121)	1:70:A:VAL:HG12	1:74:A:GLU:HG2	2	0.12
(1,1121)	1:70:A:VAL:HG12	1:74:A:GLU:HG2	20	0.12
(1,1120)	1:70:B:VAL:HG13	1:74:B:GLU:HG3	12	0.12
(1,1119)	1:70:A:VAL:HG13	1:74:A:GLU:HG3	12	0.12
(1,1106)	1:82:B:ILE:HB	1:86:B:SER:HB3	11	0.12
(1,1105)	1:82:A:ILE:HB	1:86:A:SER:HB3	11	0.12
(1,1094)	1:91:B:GLU:HG3	1:95:B:ASP:HB3	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1093)	1:91:A:GLU:HG3	1:95:A:ASP:HB3	2	0.12
(1,1054)	1:52:B:GLU:HG3	1:51:B:ASP:H	7	0.12
(1,1054)	1:52:B:GLU:HG3	1:51:B:ASP:H	10	0.12
(1,1053)	1:52:A:GLU:HG3	1:51:A:ASP:H	10	0.12
(1,1028)	1:41:B:GLU:HG3	1:37:B:LEU:HG	9	0.12
(1,1027)	1:41:A:GLU:HG3	1:37:A:LEU:HG	9	0.12
(1,959)	1:22:A:LYS:HB3	1:33:A:GLU:HG2	13	0.12
(1,944)	1:59:B:MET:HG3	1:31:B:LYS:HE3	15	0.12
(1,856)	1:26:B:LYS:HB3	1:21:B:GLY:HA2	1	0.12
(1,856)	1:26:B:LYS:HB3	1:21:B:GLY:HA2	19	0.12
(1,855)	1:26:A:LYS:HB3	1:21:A:GLY:HA2	1	0.12
(1,855)	1:26:A:LYS:HB3	1:21:A:GLY:HA2	9	0.12
(1,855)	1:26:A:LYS:HB3	1:21:A:GLY:HA2	19	0.12
(1,780)	1:28:B:LYS:HD2	1:25:B:ASP:HB2	12	0.12
(1,779)	1:28:A:LYS:HD2	1:25:A:ASP:HB2	12	0.12
(1,763)	1:70:A:VAL:H	1:28:A:LYS:HD2	17	0.12
(1,674)	1:35:B:LYS:HD3	1:35:B:LYS:H	10	0.12
(1,673)	1:35:A:LYS:HD3	1:35:A:LYS:H	10	0.12
(1,672)	1:97:B:GLN:HB2	1:99:B:ARG:HG3	13	0.12
(1,671)	1:97:A:GLN:HB2	1:99:A:ARG:HG3	13	0.12
(1,608)	1:37:B:LEU:HD13	1:18:B:LYS:HE2	12	0.12
(1,607)	1:37:A:LEU:HD13	1:18:A:LYS:HE2	12	0.12
(1,572)	1:94:B:PRO:HG2	1:94:B:PRO:HG3	1	0.12
(1,572)	1:94:B:PRO:HG2	1:94:B:PRO:HG3	2	0.12
(1,572)	1:94:B:PRO:HG2	1:94:B:PRO:HG3	3	0.12
(1,572)	1:94:B:PRO:HG2	1:94:B:PRO:HG3	4	0.12
(1,572)	1:94:B:PRO:HG2	1:94:B:PRO:HG3	5	0.12
(1,572)	1:94:B:PRO:HG2	1:94:B:PRO:HG3	6	0.12
(1,572)	1:94:B:PRO:HG2	1:94:B:PRO:HG3	7	0.12
(1,572)	1:94:B:PRO:HG2	1:94:B:PRO:HG3	8	0.12
(1,572)	1:94:B:PRO:HG2	1:94:B:PRO:HG3	9	0.12
(1,572)	1:94:B:PRO:HG2	1:94:B:PRO:HG3	10	0.12
(1,572)	1:94:B:PRO:HG2	1:94:B:PRO:HG3	11	0.12
(1,572)	1:94:B:PRO:HG2	1:94:B:PRO:HG3	12	0.12
(1,572)	1:94:B:PRO:HG2	1:94:B:PRO:HG3	13	0.12
(1,572)	1:94:B:PRO:HG2	1:94:B:PRO:HG3	14	0.12
(1,572)	1:94:B:PRO:HG2	1:94:B:PRO:HG3	16	0.12
(1,572)	1:94:B:PRO:HG2	1:94:B:PRO:HG3	19	0.12
(1,571)	1:94:A:PRO:HG2	1:94:A:PRO:HG3	1	0.12
(1,571)	1:94:A:PRO:HG2	1:94:A:PRO:HG3	2	0.12
(1,571)	1:94:A:PRO:HG2	1:94:A:PRO:HG3	3	0.12
(1,571)	1:94:A:PRO:HG2	1:94:A:PRO:HG3	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,571)	1:94:A:PRO:HG2	1:94:A:PRO:HG3	5	0.12
(1,571)	1:94:A:PRO:HG2	1:94:A:PRO:HG3	6	0.12
(1,571)	1:94:A:PRO:HG2	1:94:A:PRO:HG3	7	0.12
(1,571)	1:94:A:PRO:HG2	1:94:A:PRO:HG3	8	0.12
(1,571)	1:94:A:PRO:HG2	1:94:A:PRO:HG3	9	0.12
(1,571)	1:94:A:PRO:HG2	1:94:A:PRO:HG3	10	0.12
(1,571)	1:94:A:PRO:HG2	1:94:A:PRO:HG3	11	0.12
(1,571)	1:94:A:PRO:HG2	1:94:A:PRO:HG3	12	0.12
(1,571)	1:94:A:PRO:HG2	1:94:A:PRO:HG3	13	0.12
(1,571)	1:94:A:PRO:HG2	1:94:A:PRO:HG3	14	0.12
(1,571)	1:94:A:PRO:HG2	1:94:A:PRO:HG3	15	0.12
(1,571)	1:94:A:PRO:HG2	1:94:A:PRO:HG3	16	0.12
(1,571)	1:94:A:PRO:HG2	1:94:A:PRO:HG3	19	0.12
(1,561)	1:9:A:LEU:HG	1:10:A:ASP:HB2	19	0.12
(1,558)	1:9:B:LEU:HG	1:9:B:LEU:HA	19	0.12
(1,557)	1:9:A:LEU:HG	1:9:A:LEU:HA	19	0.12
(1,542)	1:66:B:ARG:HG2	1:65:B:ASN:HA	13	0.12
(1,541)	1:66:A:ARG:HG2	1:65:A:ASN:HA	13	0.12
(1,534)	1:38:B:LEU:HD22	1:62:B:LEU:HD12	4	0.12
(1,534)	1:38:B:LEU:HD22	1:62:B:LEU:HD13	15	0.12
(1,533)	1:38:A:LEU:HD22	1:62:A:LEU:HD12	4	0.12
(1,533)	1:38:A:LEU:HD22	1:62:A:LEU:HD13	15	0.12
(1,520)	1:42:B:LEU:HG	1:82:B:ILE:HD11	5	0.12
(1,520)	1:42:B:LEU:HG	1:82:B:ILE:HD13	16	0.12
(1,519)	1:42:A:LEU:HG	1:82:A:ILE:HD11	5	0.12
(1,519)	1:42:A:LEU:HG	1:82:A:ILE:HD13	16	0.12
(1,518)	1:42:B:LEU:HD13	1:82:B:ILE:HD12	2	0.12
(1,517)	1:42:A:LEU:HD13	1:82:A:ILE:HD12	2	0.12
(1,506)	1:42:B:LEU:HD11	1:45:B:PHE:HB2	8	0.12
(1,505)	1:42:A:LEU:HD11	1:45:A:PHE:HB2	8	0.12
(1,494)	1:34:B:LEU:H	1:34:B:LEU:HD23	16	0.12
(1,493)	1:34:A:LEU:H	1:34:A:LEU:HD23	16	0.12
(1,490)	1:42:B:LEU:HD12	1:79:B:LEU:HD23	4	0.12
(1,489)	1:42:A:LEU:HD12	1:79:A:LEU:HD23	4	0.12
(1,430)	1:5:B:LEU:HD21	1:9:A:LEU:HA	7	0.12
(1,408)	1:46:B:LEU:HD22	1:46:B:LEU:HB3	2	0.12
(1,397)	1:7:A:LYS:HG3	1:7:A:LYS:HA	18	0.12
(1,389)	1:31:A:LYS:HG2	1:34:A:LEU:HD22	4	0.12
(1,382)	1:31:B:LYS:HG2	1:68:B:ASN:HD21	3	0.12
(1,368)	1:57:B:LYS:HG3	1:57:B:LYS:H	1	0.12
(1,368)	1:57:B:LYS:HG3	1:57:B:LYS:H	14	0.12
(1,366)	1:96:B:LYS:HG2	1:91:B:GLU:H	18	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,324)	1:58:B:LEU:HD12	1:58:B:LEU:HB2	2	0.12
(1,324)	1:58:B:LEU:HD13	1:58:B:LEU:HB2	3	0.12
(1,324)	1:58:B:LEU:HD13	1:58:B:LEU:HB2	7	0.12
(1,324)	1:58:B:LEU:HD13	1:58:B:LEU:HB2	10	0.12
(1,324)	1:58:B:LEU:HD12	1:58:B:LEU:HB2	11	0.12
(1,324)	1:58:B:LEU:HD13	1:58:B:LEU:HB2	19	0.12
(1,323)	1:58:A:LEU:HD12	1:58:A:LEU:HB2	2	0.12
(1,323)	1:58:A:LEU:HD13	1:58:A:LEU:HB2	7	0.12
(1,323)	1:58:A:LEU:HD13	1:58:A:LEU:HB2	10	0.12
(1,323)	1:58:A:LEU:HD12	1:58:A:LEU:HB2	11	0.12
(1,323)	1:58:A:LEU:HD13	1:58:A:LEU:HB2	19	0.12
(1,268)	1:9:B:LEU:HD12	1:12:A:MET:HB2	8	0.12
(1,268)	1:9:B:LEU:HD11	1:12:A:MET:HB2	18	0.12
(1,267)	1:9:A:LEU:HD11	1:12:B:MET:HB2	18	0.12
(1,234)	1:13:B:VAL:HG21	1:13:B:VAL:HA	5	0.12
(1,234)	1:13:B:VAL:HG21	1:13:B:VAL:HA	16	0.12
(1,234)	1:13:B:VAL:HG22	1:13:B:VAL:HA	20	0.12
(1,233)	1:13:A:VAL:HG21	1:13:A:VAL:HA	5	0.12
(1,233)	1:13:A:VAL:HG21	1:13:A:VAL:HA	16	0.12
(1,233)	1:13:A:VAL:HG22	1:13:A:VAL:HA	20	0.12
(1,222)	1:77:B:VAL:HG22	1:77:B:VAL:HG23	2	0.12
(1,222)	1:77:B:VAL:HG22	1:77:B:VAL:HG21	3	0.12
(1,222)	1:77:B:VAL:HG21	1:77:B:VAL:HG23	4	0.12
(1,222)	1:77:B:VAL:HG22	1:77:B:VAL:HG21	5	0.12
(1,222)	1:77:B:VAL:HG22	1:77:B:VAL:HG21	6	0.12
(1,222)	1:77:B:VAL:HG21	1:77:B:VAL:HG23	8	0.12
(1,222)	1:77:B:VAL:HG22	1:77:B:VAL:HG23	10	0.12
(1,222)	1:77:B:VAL:HG21	1:77:B:VAL:HG23	12	0.12
(1,222)	1:77:B:VAL:HG22	1:77:B:VAL:HG23	13	0.12
(1,222)	1:77:B:VAL:HG21	1:77:B:VAL:HG23	14	0.12
(1,222)	1:77:B:VAL:HG21	1:77:B:VAL:HG23	17	0.12
(1,222)	1:77:B:VAL:HG22	1:77:B:VAL:HG23	18	0.12
(1,222)	1:77:B:VAL:HG22	1:77:B:VAL:HG23	20	0.12
(1,221)	1:77:A:VAL:HG22	1:77:A:VAL:HG21	1	0.12
(1,221)	1:77:A:VAL:HG21	1:77:A:VAL:HG23	2	0.12
(1,221)	1:77:A:VAL:HG22	1:77:A:VAL:HG21	3	0.12
(1,221)	1:77:A:VAL:HG22	1:77:A:VAL:HG21	4	0.12
(1,221)	1:77:A:VAL:HG22	1:77:A:VAL:HG21	5	0.12
(1,221)	1:77:A:VAL:HG21	1:77:A:VAL:HG23	6	0.12
(1,221)	1:77:A:VAL:HG21	1:77:A:VAL:HG23	8	0.12
(1,221)	1:77:A:VAL:HG22	1:77:A:VAL:HG23	9	0.12
(1,221)	1:77:A:VAL:HG22	1:77:A:VAL:HG21	10	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,221)	1:77:A:VAL:HG22	1:77:A:VAL:HG21	13	0.12
(1,203)	1:76:A:SER:H	1:77:A:VAL:HG23	17	0.12
(1,136)	1:77:B:VAL:HG12	1:73:B:GLN:HG2	19	0.12
(1,30)	1:82:B:ILE:H	1:82:B:ILE:HD12	3	0.12
(3,169)	1:84:B:MET:N	1:80:B:SER:O	14	0.11
(3,169)	1:84:B:MET:N	1:80:B:SER:O	20	0.11
(3,153)	1:76:B:SER:N	1:72:B:PHE:O	19	0.11
(3,145)	1:59:B:MET:N	1:55:B:PHE:O	13	0.11
(3,122)	1:21:B:GLY:H	1:17:B:HIS:O	14	0.11
(3,118)	1:19:B:TYR:H	1:15:B:THR:O	3	0.11
(3,118)	1:19:B:TYR:H	1:15:B:THR:O	11	0.11
(3,114)	1:17:B:HIS:H	1:13:B:VAL:O	6	0.11
(3,113)	1:17:B:HIS:N	1:13:B:VAL:O	1	0.11
(3,113)	1:17:B:HIS:N	1:13:B:VAL:O	5	0.11
(3,109)	1:15:B:THR:N	1:11:B:VAL:O	3	0.11
(3,109)	1:15:B:THR:N	1:11:B:VAL:O	6	0.11
(3,109)	1:15:B:THR:N	1:11:B:VAL:O	16	0.11
(3,108)	1:14:B:SER:H	1:10:B:ASP:O	17	0.11
(3,108)	1:14:B:SER:H	1:10:B:ASP:O	19	0.11
(3,106)	1:13:B:VAL:H	1:9:B:LEU:O	3	0.11
(3,106)	1:13:B:VAL:H	1:9:B:LEU:O	6	0.11
(3,106)	1:13:B:VAL:H	1:9:B:LEU:O	8	0.11
(3,106)	1:13:B:VAL:H	1:9:B:LEU:O	11	0.11
(3,106)	1:13:B:VAL:H	1:9:B:LEU:O	12	0.11
(3,99)	1:10:B:ASP:N	1:6:B:GLU:O	2	0.11
(3,99)	1:10:B:ASP:N	1:6:B:GLU:O	9	0.11
(3,96)	1:70:B:VAL:N	1:29:B:LEU:O	11	0.11
(3,94)	1:29:B:LEU:N	1:70:B:VAL:O	13	0.11
(3,94)	1:29:B:LEU:N	1:70:B:VAL:O	18	0.11
(3,92)	1:91:A:GLU:H	1:87:A:ASN:O	3	0.11
(3,77)	1:84:A:MET:N	1:80:A:SER:O	14	0.11
(3,77)	1:84:A:MET:N	1:80:A:SER:O	20	0.11
(3,53)	1:59:A:MET:N	1:55:A:PHE:O	13	0.11
(3,26)	1:19:A:TYR:H	1:15:A:THR:O	2	0.11
(3,26)	1:19:A:TYR:H	1:15:A:THR:O	3	0.11
(3,26)	1:19:A:TYR:H	1:15:A:THR:O	5	0.11
(3,26)	1:19:A:TYR:H	1:15:A:THR:O	11	0.11
(3,21)	1:17:A:HIS:N	1:13:A:VAL:O	1	0.11
(3,21)	1:17:A:HIS:N	1:13:A:VAL:O	5	0.11
(3,17)	1:15:A:THR:N	1:11:A:VAL:O	3	0.11
(3,17)	1:15:A:THR:N	1:11:A:VAL:O	5	0.11
(3,17)	1:15:A:THR:N	1:11:A:VAL:O	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,16)	1:14:A:SER:H	1:10:A:ASP:O	6	0.11
(3,16)	1:14:A:SER:H	1:10:A:ASP:O	17	0.11
(3,16)	1:14:A:SER:H	1:10:A:ASP:O	19	0.11
(3,14)	1:13:A:VAL:H	1:9:A:LEU:O	3	0.11
(3,14)	1:13:A:VAL:H	1:9:A:LEU:O	6	0.11
(3,14)	1:13:A:VAL:H	1:9:A:LEU:O	8	0.11
(3,14)	1:13:A:VAL:H	1:9:A:LEU:O	11	0.11
(3,8)	1:10:A:ASP:H	1:6:A:GLU:O	3	0.11
(3,7)	1:10:A:ASP:N	1:6:A:GLU:O	2	0.11
(3,7)	1:10:A:ASP:N	1:6:A:GLU:O	9	0.11
(3,4)	1:70:A:VAL:N	1:29:A:LEU:O	11	0.11
(3,2)	1:29:A:LEU:N	1:70:A:VAL:O	13	0.11
(3,2)	1:29:A:LEU:N	1:70:A:VAL:O	18	0.11
(3,2)	1:29:A:LEU:N	1:70:A:VAL:O	20	0.11
(2,218)	1:75:B:TYR:H	1:79:B:LEU:H	7	0.11
(2,217)	1:75:A:TYR:H	1:79:A:LEU:H	6	0.11
(2,217)	1:75:A:TYR:H	1:79:A:LEU:H	7	0.11
(2,196)	1:22:B:LYS:H	1:19:B:TYR:HB2	16	0.11
(2,194)	1:22:B:LYS:H	1:30:B:ASN:HD21	14	0.11
(2,193)	1:22:A:LYS:H	1:30:A:ASN:HD21	14	0.11
(2,186)	1:64:B:SER:H	1:74:B:GLU:H	9	0.11
(2,185)	1:64:A:SER:H	1:74:A:GLU:H	4	0.11
(2,185)	1:64:A:SER:H	1:74:A:GLU:H	9	0.11
(2,184)	1:45:B:PHE:H	1:43:B:PRO:HB3	1	0.11
(2,184)	1:45:B:PHE:H	1:43:B:PRO:HB3	13	0.11
(2,184)	1:45:B:PHE:H	1:43:B:PRO:HB3	20	0.11
(2,183)	1:45:A:PHE:H	1:43:A:PRO:HB3	1	0.11
(2,183)	1:45:A:PHE:H	1:43:A:PRO:HB3	13	0.11
(2,176)	1:33:B:GLU:H	1:20:B:SER:HA	3	0.11
(2,175)	1:33:A:GLU:H	1:20:A:SER:HA	3	0.11
(2,98)	1:28:B:LYS:HA	1:30:B:ASN:HD21	3	0.11
(2,98)	1:28:B:LYS:HA	1:30:B:ASN:HD21	13	0.11
(2,97)	1:28:A:LYS:HA	1:30:A:ASN:HD21	3	0.11
(2,97)	1:28:A:LYS:HA	1:30:A:ASN:HD21	20	0.11
(2,54)	1:65:B:ASN:HB3	1:66:B:ARG:HA	17	0.11
(2,53)	1:65:A:ASN:HB3	1:66:A:ARG:HA	17	0.11
(2,50)	1:69:B:GLU:HB2	1:30:B:ASN:HB2	12	0.11
(2,50)	1:69:B:GLU:HB2	1:30:B:ASN:HB2	17	0.11
(2,49)	1:69:A:GLU:HB2	1:30:A:ASN:HB2	17	0.11
(2,46)	1:59:B:MET:HG3	1:66:B:ARG:HD2	19	0.11
(2,45)	1:59:A:MET:HG3	1:66:A:ARG:HD2	19	0.11
(2,38)	1:40:B:ARG:HB2	1:36:B:GLU:HG2	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,37)	1:40:A:ARG:HB2	1:36:A:GLU:HG2	2	0.11
(2,15)	1:28:A:LYS:HG2	1:20:A:SER:HB3	8	0.11
(1,4608)	1:81:B:SER:H	1:76:B:SER:H	11	0.11
(1,4608)	1:81:B:SER:H	1:76:B:SER:H	12	0.11
(1,4568)	1:30:B:ASN:HD22	1:69:B:GLU:HB3	17	0.11
(1,4567)	1:30:A:ASN:HD22	1:69:A:GLU:HB3	17	0.11
(1,4522)	1:80:B:SER:H	1:82:B:ILE:HG13	1	0.11
(1,4522)	1:80:B:SER:H	1:82:B:ILE:HG13	3	0.11
(1,4522)	1:80:B:SER:H	1:82:B:ILE:HG13	5	0.11
(1,4521)	1:80:A:SER:H	1:82:A:ILE:HG13	1	0.11
(1,4521)	1:80:A:SER:H	1:82:A:ILE:HG13	3	0.11
(1,4521)	1:80:A:SER:H	1:82:A:ILE:HG13	5	0.11
(1,4521)	1:80:A:SER:H	1:82:A:ILE:HG13	16	0.11
(1,4518)	1:20:B:SER:H	1:26:B:LYS:HD3	18	0.11
(1,4517)	1:20:A:SER:H	1:26:A:LYS:HD3	18	0.11
(1,4510)	1:32:B:SER:H	1:34:B:LEU:HD21	11	0.11
(1,4507)	1:32:A:SER:H	1:23:A:GLU:HG2	5	0.11
(1,4476)	1:86:B:SER:H	1:13:A:VAL:HG21	10	0.11
(1,4464)	1:31:B:LYS:H	1:34:B:LEU:HD22	15	0.11
(1,4461)	1:31:A:LYS:H	1:59:A:MET:HG3	18	0.11
(1,4460)	1:68:B:ASN:H	1:70:B:VAL:HG22	15	0.11
(1,4459)	1:68:A:ASN:H	1:70:A:VAL:HG22	15	0.11
(1,4424)	1:35:B:LYS:H	1:29:B:LEU:HD13	1	0.11
(1,4423)	1:35:A:LYS:H	1:29:A:LEU:HD13	1	0.11
(1,4417)	1:35:A:LYS:H	1:36:A:GLU:HG3	7	0.11
(1,4327)	1:90:A:PHE:H	1:91:A:GLU:HG3	3	0.11
(1,4314)	1:74:B:GLU:H	1:74:B:GLU:HB3	14	0.11
(1,4313)	1:74:A:GLU:H	1:74:A:GLU:HB3	14	0.11
(1,4310)	1:22:B:LYS:H	1:17:B:HIS:HA	17	0.11
(1,4309)	1:22:A:LYS:H	1:17:A:HIS:HA	17	0.11
(1,4216)	1:71:B:ASP:H	1:73:B:GLN:HE21	8	0.11
(1,4215)	1:71:A:ASP:H	1:73:A:GLN:HE21	8	0.11
(1,4165)	1:76:A:SER:HA	1:83:B:ALA:HB2	13	0.11
(1,4148)	1:16:B:PHE:HA	1:20:B:SER:HB3	3	0.11
(1,4147)	1:16:A:PHE:HA	1:20:A:SER:HB3	3	0.11
(1,4142)	1:32:B:SER:HA	1:36:B:GLU:HG3	8	0.11
(1,4142)	1:32:B:SER:HA	1:36:B:GLU:HG3	10	0.11
(1,4141)	1:32:A:SER:HA	1:36:A:GLU:HG3	8	0.11
(1,4110)	1:2:B:ALA:HB2	1:6:B:GLU:HA	3	0.11
(1,4109)	1:2:A:ALA:HB2	1:6:A:GLU:HA	3	0.11
(1,4107)	1:35:A:LYS:HA	1:35:A:LYS:HE2	18	0.11
(1,4050)	1:62:B:LEU:HA	1:78:B:PHE:HA	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4044)	1:100:B:LYS:HA	1:100:B:LYS:HB2	5	0.11
(1,4043)	1:100:A:LYS:HA	1:100:A:LYS:HB2	5	0.11
(1,3980)	1:42:B:LEU:HA	1:44:B:SER:HB3	4	0.11
(1,3966)	1:2:B:ALA:HA	1:6:B:GLU:HA	2	0.11
(1,3965)	1:2:A:ALA:HA	1:6:A:GLU:HA	2	0.11
(1,3964)	1:2:B:ALA:HA	1:15:A:THR:HA	14	0.11
(1,3954)	1:94:B:PRO:HD3	1:93:B:PHE:H	16	0.11
(1,3953)	1:94:A:PRO:HD3	1:93:A:PHE:H	16	0.11
(1,3943)	1:42:A:LEU:HB3	1:79:A:LEU:HD22	9	0.11
(1,3920)	1:18:B:LYS:HE3	1:40:B:ARG:HD3	11	0.11
(1,3919)	1:18:A:LYS:HE3	1:40:A:ARG:HD3	11	0.11
(1,3858)	1:7:B:LYS:HE3	1:44:A:SER:HA	16	0.11
(1,3857)	1:7:A:LYS:HE3	1:44:B:SER:HA	16	0.11
(1,3838)	1:34:B:LEU:HB2	1:38:B:LEU:HB2	2	0.11
(1,3838)	1:34:B:LEU:HB2	1:38:B:LEU:HB2	15	0.11
(1,3837)	1:34:A:LEU:HB2	1:38:A:LEU:HB2	2	0.11
(1,3837)	1:34:A:LEU:HB2	1:38:A:LEU:HB2	15	0.11
(1,3831)	1:9:A:LEU:HB2	1:12:A:MET:HB3	10	0.11
(1,3780)	1:87:B:ASN:HB2	1:88:B:GLU:HB2	18	0.11
(1,3779)	1:57:A:LYS:HB3	1:61:A:ASN:HB3	9	0.11
(1,3779)	1:87:A:ASN:HB2	1:88:A:GLU:HB2	18	0.11
(1,3760)	1:27:B:PHE:HB2	1:96:A:LYS:H	2	0.11
(1,3759)	1:27:A:PHE:HB2	1:96:B:LYS:H	13	0.11
(1,3700)	1:56:B:GLN:HG2	1:56:B:GLN:HG3	1	0.11
(1,3700)	1:56:B:GLN:HG2	1:56:B:GLN:HG3	2	0.11
(1,3700)	1:56:B:GLN:HG2	1:56:B:GLN:HG3	3	0.11
(1,3700)	1:56:B:GLN:HG2	1:56:B:GLN:HG3	4	0.11
(1,3700)	1:56:B:GLN:HG2	1:56:B:GLN:HG3	5	0.11
(1,3700)	1:56:B:GLN:HG2	1:56:B:GLN:HG3	6	0.11
(1,3700)	1:56:B:GLN:HG2	1:56:B:GLN:HG3	7	0.11
(1,3700)	1:56:B:GLN:HG2	1:56:B:GLN:HG3	8	0.11
(1,3700)	1:73:B:GLN:HG2	1:73:B:GLN:HG3	9	0.11
(1,3700)	1:56:B:GLN:HG2	1:56:B:GLN:HG3	10	0.11
(1,3700)	1:56:B:GLN:HG2	1:56:B:GLN:HG3	11	0.11
(1,3700)	1:56:B:GLN:HG2	1:56:B:GLN:HG3	12	0.11
(1,3700)	1:56:B:GLN:HG2	1:56:B:GLN:HG3	13	0.11
(1,3700)	1:56:B:GLN:HG2	1:56:B:GLN:HG3	14	0.11
(1,3700)	1:56:B:GLN:HG2	1:56:B:GLN:HG3	15	0.11
(1,3700)	1:73:B:GLN:HG2	1:73:B:GLN:HG3	16	0.11
(1,3700)	1:56:B:GLN:HG2	1:56:B:GLN:HG3	17	0.11
(1,3700)	1:56:B:GLN:HG2	1:56:B:GLN:HG3	18	0.11
(1,3700)	1:56:B:GLN:HG2	1:56:B:GLN:HG3	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3700)	1:56:B:GLN:HG2	1:56:B:GLN:HG3	20	0.11
(1,3699)	1:56:A:GLN:HG2	1:56:A:GLN:HG3	1	0.11
(1,3699)	1:56:A:GLN:HG2	1:56:A:GLN:HG3	2	0.11
(1,3699)	1:56:A:GLN:HG2	1:56:A:GLN:HG3	3	0.11
(1,3699)	1:56:A:GLN:HG2	1:56:A:GLN:HG3	4	0.11
(1,3699)	1:56:A:GLN:HG2	1:56:A:GLN:HG3	5	0.11
(1,3699)	1:56:A:GLN:HG2	1:56:A:GLN:HG3	6	0.11
(1,3699)	1:56:A:GLN:HG2	1:56:A:GLN:HG3	7	0.11
(1,3699)	1:56:A:GLN:HG2	1:56:A:GLN:HG3	8	0.11
(1,3699)	1:73:A:GLN:HG2	1:73:A:GLN:HG3	9	0.11
(1,3699)	1:56:A:GLN:HG2	1:56:A:GLN:HG3	10	0.11
(1,3699)	1:56:A:GLN:HG2	1:56:A:GLN:HG3	11	0.11
(1,3699)	1:56:A:GLN:HG2	1:56:A:GLN:HG3	12	0.11
(1,3699)	1:56:A:GLN:HG2	1:56:A:GLN:HG3	13	0.11
(1,3699)	1:56:A:GLN:HG2	1:56:A:GLN:HG3	14	0.11
(1,3699)	1:56:A:GLN:HG2	1:56:A:GLN:HG3	15	0.11
(1,3699)	1:73:A:GLN:HG2	1:73:A:GLN:HG3	16	0.11
(1,3699)	1:56:A:GLN:HG2	1:56:A:GLN:HG3	17	0.11
(1,3699)	1:56:A:GLN:HG2	1:56:A:GLN:HG3	18	0.11
(1,3699)	1:56:A:GLN:HG2	1:56:A:GLN:HG3	19	0.11
(1,3699)	1:56:A:GLN:HG2	1:56:A:GLN:HG3	20	0.11
(1,3698)	1:56:B:GLN:HG3	1:57:B:LYS:HE2	1	0.11
(1,3698)	1:56:B:GLN:HG2	1:31:B:LYS:HE2	15	0.11
(1,3698)	1:56:B:GLN:HG2	1:31:B:LYS:HE3	20	0.11
(1,3697)	1:56:A:GLN:HG2	1:31:A:LYS:HE2	15	0.11
(1,3659)	1:31:A:LYS:HB2	1:31:A:LYS:HG3	14	0.11
(1,3659)	1:31:A:LYS:HB2	1:31:A:LYS:HG3	19	0.11
(1,3644)	1:31:B:LYS:HB3	1:35:B:LYS:HA	6	0.11
(1,3643)	1:31:A:LYS:HB3	1:35:A:LYS:HA	6	0.11
(1,3622)	1:45:B:PHE:H	1:43:B:PRO:HB3	1	0.11
(1,3622)	1:45:B:PHE:H	1:43:B:PRO:HB3	20	0.11
(1,3621)	1:45:A:PHE:H	1:43:A:PRO:HB3	20	0.11
(1,3578)	1:7:B:LYS:HD2	1:7:B:LYS:HE3	18	0.11
(1,3577)	1:7:A:LYS:HD3	1:7:A:LYS:HE2	3	0.11
(1,3577)	1:7:A:LYS:HD2	1:7:A:LYS:HE3	18	0.11
(1,3548)	1:37:B:LEU:HD21	1:37:B:LEU:HA	10	0.11
(1,3547)	1:37:A:LEU:HD21	1:37:A:LEU:HA	10	0.11
(1,3534)	1:98:B:PRO:HG2	1:100:B:LYS:HB3	5	0.11
(1,3534)	1:98:B:PRO:HG2	1:100:B:LYS:HB2	10	0.11
(1,3533)	1:98:A:PRO:HG2	1:100:A:LYS:HB2	10	0.11
(1,3489)	1:34:A:LEU:HD22	1:35:A:LYS:H	18	0.11
(1,3475)	1:46:A:LEU:HD21	1:45:A:PHE:HB3	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3458)	1:26:B:LYS:HG2	1:22:B:LYS:H	5	0.11
(1,3457)	1:26:A:LYS:HG2	1:22:A:LYS:H	5	0.11
(1,3456)	1:21:B:GLY:H	1:26:B:LYS:HG3	9	0.11
(1,3445)	1:35:A:LYS:HG2	1:52:A:GLU:H	2	0.11
(1,3445)	1:35:A:LYS:HG2	1:38:A:LEU:H	15	0.11
(1,3444)	1:18:B:LYS:HG3	1:20:B:SER:H	19	0.11
(1,3443)	1:18:A:LYS:HG3	1:20:A:SER:H	19	0.11
(1,3366)	1:39:B:THR:HG21	1:38:B:LEU:HD11	15	0.11
(1,3316)	1:82:B:ILE:HG22	1:9:A:LEU:HB2	18	0.11
(1,3315)	1:82:A:ILE:HG22	1:9:B:LEU:HB2	18	0.11
(1,3305)	1:39:A:THR:HB	1:46:A:LEU:HD12	11	0.11
(1,3287)	1:87:A:ASN:HD21	1:90:A:PHE:H	17	0.11
(1,3248)	1:88:B:GLU:H	1:73:A:GLN:H	5	0.11
(1,3248)	1:88:B:GLU:H	1:73:A:GLN:H	12	0.11
(1,3248)	1:88:B:GLU:H	1:73:A:GLN:H	15	0.11
(1,3248)	1:88:B:GLU:H	1:73:A:GLN:H	19	0.11
(1,3247)	1:88:A:GLU:H	1:73:B:GLN:H	5	0.11
(1,3247)	1:88:A:GLU:H	1:73:B:GLN:H	12	0.11
(1,3247)	1:88:A:GLU:H	1:73:B:GLN:H	19	0.11
(1,3238)	1:99:B:ARG:H	1:99:B:ARG:HB2	19	0.11
(1,3237)	1:99:A:ARG:H	1:99:A:ARG:HB2	19	0.11
(1,3224)	1:36:B:GLU:H	1:40:B:ARG:HD3	18	0.11
(1,3223)	1:36:A:GLU:H	1:40:A:ARG:HD3	18	0.11
(1,3172)	1:30:B:ASN:HD22	1:22:B:LYS:HE3	2	0.11
(1,3165)	1:30:A:ASN:HD22	1:29:A:LEU:H	7	0.11
(1,3106)	1:50:B:THR:H	1:52:B:GLU:H	17	0.11
(1,2796)	1:69:B:GLU:H	1:69:B:GLU:HG3	4	0.11
(1,2795)	1:69:A:GLU:H	1:69:A:GLU:HG3	4	0.11
(1,2752)	1:34:B:LEU:H	1:29:B:LEU:HD11	19	0.11
(1,2751)	1:34:A:LEU:H	1:29:A:LEU:HD11	19	0.11
(1,2712)	1:15:B:THR:H	1:2:A:ALA:HB2	16	0.11
(1,2692)	1:72:B:PHE:H	1:28:B:LYS:HG3	15	0.11
(1,2560)	1:27:B:PHE:H	1:20:B:SER:HB3	9	0.11
(1,2560)	1:27:B:PHE:H	1:20:B:SER:HB3	14	0.11
(1,2559)	1:27:A:PHE:H	1:20:A:SER:HB3	14	0.11
(1,2494)	1:97:B:GLN:H	1:96:B:LYS:H	6	0.11
(1,2494)	1:97:B:GLN:H	1:96:B:LYS:H	15	0.11
(1,2494)	1:97:B:GLN:H	1:96:B:LYS:H	16	0.11
(1,2493)	1:97:A:GLN:H	1:96:A:LYS:H	6	0.11
(1,2493)	1:97:A:GLN:H	1:96:A:LYS:H	7	0.11
(1,2493)	1:97:A:GLN:H	1:96:A:LYS:H	14	0.11
(1,2493)	1:97:A:GLN:H	1:96:A:LYS:H	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2493)	1:97:A:GLN:H	1:96:A:LYS:H	16	0.11
(1,2400)	1:22:B:LYS:H	1:19:B:TYR:HA	7	0.11
(1,2399)	1:22:A:LYS:H	1:19:A:TYR:HA	7	0.11
(1,2324)	1:78:B:PHE:H	1:82:B:ILE:HD13	5	0.11
(1,2323)	1:78:A:PHE:H	1:82:A:ILE:HD13	5	0.11
(1,2308)	1:45:B:PHE:H	1:82:B:ILE:HD13	2	0.11
(1,2307)	1:45:A:PHE:H	1:82:A:ILE:HD13	2	0.11
(1,2304)	1:45:B:PHE:H	1:7:A:LYS:HD2	20	0.11
(1,2303)	1:45:A:PHE:H	1:7:B:LYS:HD2	16	0.11
(1,2213)	1:30:A:ASN:H	1:34:A:LEU:HD12	1	0.11
(1,2166)	1:70:B:VAL:H	1:69:B:GLU:HB2	17	0.11
(1,2165)	1:70:A:VAL:H	1:69:A:GLU:HB2	17	0.11
(1,2140)	1:29:B:LEU:H	1:30:B:ASN:HD21	6	0.11
(1,2140)	1:29:B:LEU:H	1:30:B:ASN:HD21	7	0.11
(1,2140)	1:29:B:LEU:H	1:30:B:ASN:HD21	12	0.11
(1,2139)	1:29:A:LEU:H	1:30:A:ASN:HD21	6	0.11
(1,2139)	1:29:A:LEU:H	1:30:A:ASN:HD21	7	0.11
(1,2139)	1:29:A:LEU:H	1:30:A:ASN:HD21	16	0.11
(1,2138)	1:29:B:LEU:H	1:73:B:GLN:H	10	0.11
(1,2138)	1:29:B:LEU:H	1:73:B:GLN:H	18	0.11
(1,2137)	1:29:A:LEU:H	1:73:A:GLN:H	10	0.11
(1,2137)	1:29:A:LEU:H	1:73:A:GLN:H	18	0.11
(1,2012)	1:94:B:PRO:HA	1:95:B:ASP:HB3	3	0.11
(1,1996)	1:32:B:SER:HB2	1:33:B:GLU:HG2	3	0.11
(1,1994)	1:60:B:SER:HB3	1:61:B:ASN:HB3	5	0.11
(1,1990)	1:60:B:SER:HB2	1:60:B:SER:HA	5	0.11
(1,1989)	1:60:A:SER:HB2	1:60:A:SER:HA	5	0.11
(1,1989)	1:60:A:SER:HB3	1:60:A:SER:HA	16	0.11
(1,1976)	1:14:B:SER:HB3	1:18:B:LYS:HE2	19	0.11
(1,1842)	1:37:B:LEU:HD21	1:37:B:LEU:HA	10	0.11
(1,1836)	1:37:B:LEU:HA	1:40:B:ARG:HB3	3	0.11
(1,1836)	1:37:B:LEU:HA	1:40:B:ARG:HB3	4	0.11
(1,1836)	1:37:B:LEU:HA	1:40:B:ARG:HB3	7	0.11
(1,1836)	1:37:B:LEU:HA	1:40:B:ARG:HB3	11	0.11
(1,1836)	1:37:B:LEU:HA	1:40:B:ARG:HB3	15	0.11
(1,1835)	1:37:A:LEU:HA	1:40:A:ARG:HB3	4	0.11
(1,1835)	1:37:A:LEU:HA	1:40:A:ARG:HB3	11	0.11
(1,1835)	1:37:A:LEU:HA	1:40:A:ARG:HB3	15	0.11
(1,1822)	1:7:B:LYS:HA	1:7:B:LYS:HD3	4	0.11
(1,1821)	1:7:A:LYS:HA	1:7:A:LYS:HD3	4	0.11
(1,1786)	1:59:B:MET:HA	1:59:B:MET:HG2	3	0.11
(1,1785)	1:59:A:MET:HA	1:59:A:MET:HG2	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1744)	1:58:B:LEU:HA	1:61:B:ASN:HA	17	0.11
(1,1743)	1:58:A:LEU:HA	1:61:A:ASN:HA	17	0.11
(1,1682)	1:91:B:GLU:HA	1:89:B:PHE:HA	16	0.11
(1,1682)	1:91:B:GLU:HA	1:89:B:PHE:HA	20	0.11
(1,1681)	1:91:A:GLU:HA	1:89:A:PHE:HA	16	0.11
(1,1681)	1:91:A:GLU:HA	1:89:A:PHE:HA	20	0.11
(1,1662)	1:27:B:PHE:HA	1:20:B:SER:HB3	12	0.11
(1,1661)	1:27:A:PHE:HA	1:20:A:SER:HB3	12	0.11
(1,1628)	1:41:B:GLU:HA	1:5:A:LEU:HD22	2	0.11
(1,1627)	1:41:A:GLU:HA	1:5:B:LEU:HD22	2	0.11
(1,1624)	1:41:B:GLU:HA	1:2:A:ALA:HB1	6	0.11
(1,1546)	1:43:B:PRO:HD2	1:7:A:LYS:HD2	10	0.11
(1,1545)	1:43:A:PRO:HD2	1:7:B:LYS:HD2	10	0.11
(1,1534)	1:98:B:PRO:HD2	1:97:B:GLN:HA	2	0.11
(1,1533)	1:98:A:PRO:HD2	1:97:A:GLN:HA	2	0.11
(1,1494)	1:42:B:LEU:HB2	1:42:B:LEU:HD21	1	0.11
(1,1494)	1:42:B:LEU:HB2	1:42:B:LEU:HD23	3	0.11
(1,1493)	1:42:A:LEU:HB2	1:42:A:LEU:HD21	1	0.11
(1,1493)	1:42:A:LEU:HB2	1:42:A:LEU:HD23	3	0.11
(1,1492)	1:42:B:LEU:HB3	1:37:B:LEU:HD21	4	0.11
(1,1492)	1:42:B:LEU:HB3	1:37:B:LEU:HD21	12	0.11
(1,1491)	1:42:A:LEU:HB3	1:37:A:LEU:HD21	4	0.11
(1,1491)	1:42:A:LEU:HB3	1:37:A:LEU:HD21	12	0.11
(1,1412)	1:40:B:ARG:HD2	1:41:B:GLU:H	9	0.11
(1,1367)	1:18:A:LYS:HE2	1:11:A:VAL:HG11	13	0.11
(1,1344)	1:22:B:LYS:HE3	1:33:B:GLU:HG2	14	0.11
(1,1343)	1:22:A:LYS:HE3	1:33:A:GLU:HG2	14	0.11
(1,1278)	1:10:B:ASP:HB3	1:12:B:MET:H	16	0.11
(1,1277)	1:10:A:ASP:HB3	1:12:A:MET:H	16	0.11
(1,1268)	1:19:B:TYR:HB3	1:29:B:LEU:HD12	3	0.11
(1,1267)	1:19:A:TYR:HB3	1:29:A:LEU:HD12	3	0.11
(1,1266)	1:79:B:LEU:HB2	1:9:A:LEU:HD13	11	0.11
(1,1266)	1:79:B:LEU:HB2	1:9:A:LEU:HD13	15	0.11
(1,1198)	1:87:B:ASN:HB2	1:76:A:SER:HB2	20	0.11
(1,1197)	1:87:A:ASN:HB2	1:76:B:SER:HB2	20	0.11
(1,1122)	1:70:B:VAL:HG12	1:74:B:GLU:HG2	2	0.11
(1,1004)	1:56:B:GLN:HB3	1:56:B:GLN:HG2	9	0.11
(1,1004)	1:56:B:GLN:HB2	1:56:B:GLN:HG3	15	0.11
(1,1003)	1:56:A:GLN:HB3	1:56:A:GLN:HG2	9	0.11
(1,1003)	1:56:A:GLN:HB2	1:56:A:GLN:HG3	15	0.11
(1,960)	1:22:B:LYS:HB3	1:33:B:GLU:HG2	13	0.11
(1,944)	1:59:B:MET:HG3	1:31:B:LYS:HE3	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,943)	1:59:A:MET:HG3	1:31:A:LYS:HE3	15	0.11
(1,906)	1:31:B:LYS:HB3	1:35:B:LYS:HE3	4	0.11
(1,890)	1:61:B:ASN:HD21	1:57:B:LYS:HB3	8	0.11
(1,856)	1:26:B:LYS:HB3	1:21:B:GLY:HA2	9	0.11
(1,766)	1:28:B:LYS:HD2	1:29:B:LEU:H	3	0.11
(1,766)	1:28:B:LYS:HD2	1:29:B:LEU:H	20	0.11
(1,690)	1:35:B:LYS:HD3	1:55:B:PHE:HB2	8	0.11
(1,689)	1:35:A:LYS:HD3	1:55:A:PHE:HB2	8	0.11
(1,680)	1:88:B:GLU:HB2	1:97:B:GLN:HE21	5	0.11
(1,679)	1:88:A:GLU:HB2	1:97:A:GLN:HE21	5	0.11
(1,580)	1:29:B:LEU:HD23	1:70:B:VAL:H	16	0.11
(1,579)	1:29:A:LEU:HD23	1:70:A:VAL:H	16	0.11
(1,558)	1:9:B:LEU:HG	1:9:B:LEU:HA	18	0.11
(1,557)	1:9:A:LEU:HG	1:9:A:LEU:HA	18	0.11
(1,536)	1:38:B:LEU:HD23	1:82:B:ILE:HD11	13	0.11
(1,536)	1:38:B:LEU:HD22	1:82:B:ILE:HD11	17	0.11
(1,535)	1:38:A:LEU:HD23	1:82:A:ILE:HD11	13	0.11
(1,535)	1:38:A:LEU:HD22	1:82:A:ILE:HD11	17	0.11
(1,534)	1:38:B:LEU:HD22	1:62:B:LEU:HD11	12	0.11
(1,533)	1:38:A:LEU:HD22	1:62:A:LEU:HD11	12	0.11
(1,481)	1:79:A:LEU:HD23	1:12:A:MET:HB2	16	0.11
(1,478)	1:42:B:LEU:HG	1:41:B:GLU:HB3	19	0.11
(1,477)	1:42:A:LEU:HG	1:41:A:GLU:HB3	19	0.11
(1,426)	1:5:B:LEU:HD22	1:41:A:GLU:HA	2	0.11
(1,425)	1:5:A:LEU:HD22	1:41:B:GLU:HA	2	0.11
(1,398)	1:7:B:LYS:HG3	1:7:B:LYS:HA	16	0.11
(1,397)	1:7:A:LYS:HG3	1:7:A:LYS:HA	16	0.11
(1,390)	1:31:B:LYS:HG2	1:34:B:LEU:HD22	4	0.11
(1,389)	1:31:A:LYS:HG2	1:34:A:LEU:HD22	1	0.11
(1,381)	1:31:A:LYS:HG2	1:68:A:ASN:HD21	3	0.11
(1,367)	1:57:A:LYS:HG3	1:57:A:LYS:H	1	0.11
(1,366)	1:96:B:LYS:HG3	1:91:B:GLU:H	19	0.11
(1,340)	1:35:B:LYS:HG3	1:35:B:LYS:HE3	14	0.11
(1,339)	1:35:A:LYS:HG3	1:35:A:LYS:HE3	14	0.11
(1,324)	1:58:B:LEU:HD11	1:58:B:LEU:HB2	8	0.11
(1,324)	1:58:B:LEU:HD12	1:58:B:LEU:HB2	12	0.11
(1,324)	1:58:B:LEU:HD11	1:58:B:LEU:HB2	15	0.11
(1,323)	1:58:A:LEU:HD13	1:58:A:LEU:HB2	3	0.11
(1,323)	1:58:A:LEU:HD13	1:58:A:LEU:HB2	4	0.11
(1,323)	1:58:A:LEU:HD11	1:58:A:LEU:HB2	8	0.11
(1,323)	1:58:A:LEU:HD12	1:58:A:LEU:HB2	12	0.11
(1,323)	1:58:A:LEU:HD11	1:58:A:LEU:HB2	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,295)	1:62:A:LEU:HD21	1:59:A:MET:HA	15	0.11
(1,272)	1:39:B:THR:HG21	1:38:B:LEU:HD11	15	0.11
(1,268)	1:9:B:LEU:HD13	1:12:A:MET:HB2	9	0.11
(1,267)	1:9:A:LEU:HD13	1:12:B:MET:HB2	9	0.11
(1,267)	1:9:A:LEU:HD11	1:12:B:MET:HB2	10	0.11
(1,261)	1:38:A:LEU:HD13	1:45:A:PHE:HA	16	0.11
(1,222)	1:77:B:VAL:HG22	1:77:B:VAL:HG23	1	0.11
(1,222)	1:77:B:VAL:HG21	1:77:B:VAL:HG23	7	0.11
(1,222)	1:77:B:VAL:HG22	1:77:B:VAL:HG23	9	0.11
(1,222)	1:77:B:VAL:HG21	1:77:B:VAL:HG23	11	0.11
(1,222)	1:77:B:VAL:HG21	1:77:B:VAL:HG23	15	0.11
(1,222)	1:77:B:VAL:HG21	1:77:B:VAL:HG23	16	0.11
(1,222)	1:77:B:VAL:HG21	1:77:B:VAL:HG23	19	0.11
(1,221)	1:77:A:VAL:HG22	1:77:A:VAL:HG23	7	0.11
(1,221)	1:77:A:VAL:HG22	1:77:A:VAL:HG21	11	0.11
(1,221)	1:77:A:VAL:HG22	1:77:A:VAL:HG23	12	0.11
(1,221)	1:77:A:VAL:HG22	1:77:A:VAL:HG23	14	0.11
(1,221)	1:77:A:VAL:HG22	1:77:A:VAL:HG23	15	0.11
(1,221)	1:77:A:VAL:HG22	1:77:A:VAL:HG23	16	0.11
(1,221)	1:77:A:VAL:HG22	1:77:A:VAL:HG23	17	0.11
(1,221)	1:77:A:VAL:HG21	1:77:A:VAL:HG23	18	0.11
(1,221)	1:77:A:VAL:HG22	1:77:A:VAL:HG23	19	0.11
(1,221)	1:77:A:VAL:HG21	1:77:A:VAL:HG23	20	0.11
(1,218)	1:77:B:VAL:HG21	1:74:B:GLU:HG3	9	0.11
(1,217)	1:77:A:VAL:HG21	1:74:A:GLU:HG3	9	0.11
(1,204)	1:76:B:SER:H	1:77:B:VAL:HG23	17	0.11
(1,124)	1:2:B:ALA:HB3	1:5:B:LEU:HD13	6	0.11
(1,123)	1:2:A:ALA:HB3	1:5:A:LEU:HD13	6	0.11
(1,78)	1:53:B:ALA:HB2	1:53:B:ALA:HA	5	0.11
(1,78)	1:53:B:ALA:HB2	1:53:B:ALA:HA	12	0.11
(1,77)	1:53:A:ALA:HB3	1:53:A:ALA:HA	5	0.11
(1,77)	1:53:A:ALA:HB2	1:53:A:ALA:HA	12	0.11
(3,118)	1:19:B:TYR:H	1:15:B:THR:O	2	0.1
(3,118)	1:19:B:TYR:H	1:15:B:THR:O	5	0.1
(3,118)	1:19:B:TYR:H	1:15:B:THR:O	19	0.1
(3,114)	1:17:B:HIS:H	1:13:B:VAL:O	3	0.1
(3,114)	1:17:B:HIS:H	1:13:B:VAL:O	4	0.1
(3,108)	1:14:B:SER:H	1:10:B:ASP:O	6	0.1
(3,106)	1:13:B:VAL:H	1:9:B:LEU:O	19	0.1
(3,94)	1:29:B:LEU:N	1:70:B:VAL:O	8	0.1
(3,94)	1:29:B:LEU:N	1:70:B:VAL:O	20	0.1
(3,26)	1:19:A:TYR:H	1:15:A:THR:O	19	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,22)	1:17:A:HIS:H	1:13:A:VAL:O	3	0.1
(3,22)	1:17:A:HIS:H	1:13:A:VAL:O	4	0.1
(3,17)	1:15:A:THR:N	1:11:A:VAL:O	6	0.1
(3,17)	1:15:A:THR:N	1:11:A:VAL:O	14	0.1
(3,14)	1:13:A:VAL:H	1:9:A:LEU:O	19	0.1
(3,2)	1:29:A:LEU:N	1:70:A:VAL:O	8	0.1
(2,218)	1:75:B:TYR:H	1:79:B:LEU:H	6	0.1
(2,186)	1:64:B:SER:H	1:74:B:GLU:H	4	0.1
(2,184)	1:45:B:PHE:H	1:43:B:PRO:HB3	5	0.1
(2,98)	1:28:B:LYS:HA	1:30:B:ASN:HD21	20	0.1
(2,97)	1:28:A:LYS:HA	1:30:A:ASN:HD21	13	0.1
(2,54)	1:65:B:ASN:HB3	1:66:B:ARG:HA	5	0.1
(2,53)	1:65:A:ASN:HB3	1:66:A:ARG:HA	5	0.1
(2,38)	1:40:B:ARG:HB2	1:36:B:GLU:HG2	12	0.1
(2,16)	1:28:B:LYS:HG2	1:20:B:SER:HB3	8	0.1
(1,4570)	1:30:B:ASN:HD22	1:34:B:LEU:HD13	16	0.1
(1,4569)	1:30:A:ASN:HD22	1:34:A:LEU:HD13	16	0.1
(1,4522)	1:80:B:SER:H	1:82:B:ILE:HG13	16	0.1
(1,4520)	1:80:B:SER:H	1:84:B:MET:H	2	0.1
(1,4519)	1:80:A:SER:H	1:84:A:MET:H	2	0.1
(1,4509)	1:32:A:SER:H	1:34:A:LEU:HD21	11	0.1
(1,4462)	1:31:B:LYS:H	1:59:B:MET:HG3	18	0.1
(1,4462)	1:31:B:LYS:H	1:59:B:MET:HG3	20	0.1
(1,4407)	1:61:A:ASN:H	1:62:A:LEU:HG	5	0.1
(1,4388)	1:76:B:SER:H	1:13:B:VAL:HG13	1	0.1
(1,4253)	1:77:A:VAL:H	1:62:A:LEU:HB3	7	0.1
(1,4252)	1:77:B:VAL:H	1:75:B:TYR:HB3	14	0.1
(1,4251)	1:77:A:VAL:H	1:75:A:TYR:HB3	14	0.1
(1,4191)	1:11:A:VAL:HA	1:8:A:ALA:HB1	1	0.1
(1,4176)	1:60:B:SER:HB2	1:60:B:SER:HB3	1	0.1
(1,4176)	1:60:B:SER:HB2	1:60:B:SER:HB3	2	0.1
(1,4176)	1:60:B:SER:HB2	1:60:B:SER:HB3	3	0.1
(1,4176)	1:60:B:SER:HB2	1:60:B:SER:HB3	4	0.1
(1,4176)	1:60:B:SER:HB2	1:60:B:SER:HB3	5	0.1
(1,4176)	1:60:B:SER:HB2	1:60:B:SER:HB3	6	0.1
(1,4176)	1:60:B:SER:HB2	1:60:B:SER:HB3	8	0.1
(1,4176)	1:60:B:SER:HB2	1:60:B:SER:HB3	9	0.1
(1,4176)	1:60:B:SER:HB2	1:60:B:SER:HB3	10	0.1
(1,4176)	1:60:B:SER:HB2	1:60:B:SER:HB3	11	0.1
(1,4176)	1:60:B:SER:HB2	1:60:B:SER:HB3	12	0.1
(1,4176)	1:60:B:SER:HB2	1:60:B:SER:HB3	13	0.1
(1,4176)	1:60:B:SER:HB2	1:60:B:SER:HB3	14	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4176)	1:60:B:SER:HB2	1:60:B:SER:HB3	15	0.1
(1,4176)	1:32:B:SER:HB2	1:32:B:SER:HB3	16	0.1
(1,4176)	1:32:B:SER:HB2	1:32:B:SER:HB3	17	0.1
(1,4176)	1:60:B:SER:HB2	1:60:B:SER:HB3	18	0.1
(1,4176)	1:60:B:SER:HB2	1:60:B:SER:HB3	19	0.1
(1,4176)	1:32:B:SER:HB2	1:32:B:SER:HB3	20	0.1
(1,4175)	1:60:A:SER:HB2	1:60:A:SER:HB3	1	0.1
(1,4175)	1:60:A:SER:HB2	1:60:A:SER:HB3	2	0.1
(1,4175)	1:60:A:SER:HB2	1:60:A:SER:HB3	3	0.1
(1,4175)	1:60:A:SER:HB2	1:60:A:SER:HB3	4	0.1
(1,4175)	1:60:A:SER:HB2	1:60:A:SER:HB3	5	0.1
(1,4175)	1:32:A:SER:HB2	1:32:A:SER:HB3	6	0.1
(1,4175)	1:32:A:SER:HB2	1:32:A:SER:HB3	7	0.1
(1,4175)	1:60:A:SER:HB2	1:60:A:SER:HB3	8	0.1
(1,4175)	1:60:A:SER:HB2	1:60:A:SER:HB3	9	0.1
(1,4175)	1:60:A:SER:HB2	1:60:A:SER:HB3	10	0.1
(1,4175)	1:60:A:SER:HB2	1:60:A:SER:HB3	11	0.1
(1,4175)	1:32:A:SER:HB2	1:32:A:SER:HB3	13	0.1
(1,4175)	1:60:A:SER:HB2	1:60:A:SER:HB3	14	0.1
(1,4175)	1:60:A:SER:HB2	1:60:A:SER:HB3	15	0.1
(1,4175)	1:32:A:SER:HB2	1:32:A:SER:HB3	16	0.1
(1,4175)	1:60:A:SER:HB2	1:60:A:SER:HB3	17	0.1
(1,4175)	1:60:A:SER:HB2	1:60:A:SER:HB3	18	0.1
(1,4175)	1:60:A:SER:HB2	1:60:A:SER:HB3	19	0.1
(1,4175)	1:32:A:SER:HB2	1:32:A:SER:HB3	20	0.1
(1,4167)	1:76:A:SER:HB2	1:79:A:LEU:HB3	1	0.1
(1,4141)	1:32:A:SER:HA	1:36:A:GLU:HG3	10	0.1
(1,4062)	1:10:B:ASP:HA	1:82:A:ILE:HB	20	0.1
(1,4061)	1:10:A:ASP:HA	1:82:B:ILE:HB	20	0.1
(1,4049)	1:62:A:LEU:HA	1:78:A:PHE:HA	7	0.1
(1,4044)	1:100:B:LYS:HA	1:100:B:LYS:HB2	4	0.1
(1,4043)	1:100:A:LYS:HA	1:100:A:LYS:HB2	4	0.1
(1,4036)	1:48:B:LYS:HA	1:46:B:LEU:HA	10	0.1
(1,4002)	1:69:B:GLU:HA	1:33:B:GLU:HB2	6	0.1
(1,4001)	1:69:A:GLU:HA	1:33:A:GLU:HB2	6	0.1
(1,3963)	1:2:A:ALA:HA	1:15:B:THR:HA	8	0.1
(1,3944)	1:42:B:LEU:HB3	1:79:B:LEU:HD22	9	0.1
(1,3838)	1:34:B:LEU:HB2	1:38:B:LEU:HB2	9	0.1
(1,3837)	1:34:A:LEU:HB2	1:38:A:LEU:HB2	9	0.1
(1,3814)	1:28:B:LYS:HB3	1:70:B:VAL:HG22	3	0.1
(1,3813)	1:28:A:LYS:HB3	1:70:A:VAL:HG22	3	0.1
(1,3697)	1:56:A:GLN:HG2	1:31:A:LYS:HE3	12	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3697)	1:56:A:GLN:HG2	1:31:A:LYS:HE3	20	0.1
(1,3660)	1:31:B:LYS:HB2	1:31:B:LYS:HG3	1	0.1
(1,3660)	1:31:B:LYS:HB2	1:31:B:LYS:HG3	4	0.1
(1,3660)	1:31:B:LYS:HB2	1:31:B:LYS:HG3	14	0.1
(1,3659)	1:31:A:LYS:HB2	1:31:A:LYS:HG3	1	0.1
(1,3659)	1:31:A:LYS:HB2	1:31:A:LYS:HG3	4	0.1
(1,3622)	1:45:B:PHE:H	1:43:B:PRO:HB3	13	0.1
(1,3621)	1:45:A:PHE:H	1:43:A:PRO:HB3	1	0.1
(1,3578)	1:7:B:LYS:HD3	1:7:B:LYS:HE2	3	0.1
(1,3490)	1:34:B:LEU:HD22	1:35:B:LYS:H	18	0.1
(1,3445)	1:35:A:LYS:HG2	1:52:A:GLU:H	8	0.1
(1,3365)	1:39:A:THR:HG21	1:38:A:LEU:HD11	15	0.1
(1,3315)	1:82:A:ILE:HG21	1:9:B:LEU:HB2	8	0.1
(1,3308)	1:31:B:LYS:HB3	1:31:B:LYS:HA	10	0.1
(1,3306)	1:39:B:THR:HB	1:46:B:LEU:HD12	11	0.1
(1,3288)	1:87:B:ASN:HD21	1:90:B:PHE:H	17	0.1
(1,3262)	1:73:B:GLN:H	1:70:B:VAL:HG11	13	0.1
(1,3247)	1:88:A:GLU:H	1:73:B:GLN:H	15	0.1
(1,3166)	1:30:B:ASN:HD22	1:29:B:LEU:H	7	0.1
(1,3105)	1:50:A:THR:H	1:52:A:GLU:H	11	0.1
(1,3015)	1:68:A:ASN:HD22	1:59:A:MET:HA	16	0.1
(1,2691)	1:72:A:PHE:H	1:28:A:LYS:HG3	15	0.1
(1,2494)	1:97:B:GLN:H	1:96:B:LYS:H	7	0.1
(1,2494)	1:97:B:GLN:H	1:96:B:LYS:H	12	0.1
(1,2493)	1:97:A:GLN:H	1:96:A:LYS:H	12	0.1
(1,2387)	1:18:A:LYS:H	1:18:A:LYS:HE2	14	0.1
(1,2304)	1:45:B:PHE:H	1:7:A:LYS:HD2	16	0.1
(1,2287)	1:3:A:SER:H	1:6:A:GLU:HA	17	0.1
(1,2214)	1:30:B:ASN:H	1:34:B:LEU:HD12	1	0.1
(1,2140)	1:29:B:LEU:H	1:30:B:ASN:HD21	16	0.1
(1,2140)	1:29:B:LEU:H	1:30:B:ASN:HD21	19	0.1
(1,2139)	1:29:A:LEU:H	1:30:A:ASN:HD21	19	0.1
(1,2042)	1:38:B:LEU:HB3	1:39:B:THR:HA	19	0.1
(1,2011)	1:94:A:PRO:HA	1:95:A:ASP:HB3	3	0.1
(1,1990)	1:60:B:SER:HB2	1:60:B:SER:HA	7	0.1
(1,1990)	1:60:B:SER:HB3	1:60:B:SER:HA	16	0.1
(1,1841)	1:37:A:LEU:HD21	1:37:A:LEU:HA	10	0.1
(1,1835)	1:37:A:LEU:HA	1:40:A:ARG:HB3	7	0.1
(1,1584)	1:42:B:LEU:HA	1:82:B:ILE:HD12	13	0.1
(1,1479)	1:42:A:LEU:HB2	1:45:A:PHE:HA	4	0.1
(1,1411)	1:40:A:ARG:HD2	1:41:A:GLU:H	9	0.1
(1,1277)	1:10:A:ASP:HB3	1:12:A:MET:H	2	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1189)	1:28:A:LYS:HB2	1:26:A:LYS:HA	5	0.1
(1,1121)	1:70:A:VAL:HG12	1:74:A:GLU:HG2	18	0.1
(1,1054)	1:52:B:GLU:HG2	1:51:B:ASP:H	8	0.1
(1,998)	1:73:B:GLN:HG3	1:97:A:GLN:HE21	7	0.1
(1,997)	1:73:A:GLN:HG3	1:97:B:GLN:HE21	7	0.1
(1,988)	1:100:B:LYS:HB2	1:100:B:LYS:HB3	2	0.1
(1,988)	1:100:B:LYS:HB2	1:100:B:LYS:HB3	4	0.1
(1,988)	1:100:B:LYS:HB2	1:100:B:LYS:HB3	6	0.1
(1,988)	1:100:B:LYS:HB2	1:100:B:LYS:HB3	7	0.1
(1,988)	1:100:B:LYS:HB2	1:100:B:LYS:HB3	8	0.1
(1,988)	1:100:B:LYS:HB2	1:100:B:LYS:HB3	9	0.1
(1,988)	1:100:B:LYS:HB2	1:100:B:LYS:HB3	11	0.1
(1,988)	1:100:B:LYS:HB2	1:100:B:LYS:HB3	14	0.1
(1,988)	1:100:B:LYS:HB2	1:100:B:LYS:HB3	15	0.1
(1,988)	1:100:B:LYS:HB2	1:100:B:LYS:HB3	17	0.1
(1,988)	1:100:B:LYS:HB2	1:100:B:LYS:HB3	18	0.1
(1,987)	1:100:A:LYS:HB2	1:100:A:LYS:HB3	2	0.1
(1,987)	1:100:A:LYS:HB2	1:100:A:LYS:HB3	4	0.1
(1,987)	1:100:A:LYS:HB2	1:100:A:LYS:HB3	5	0.1
(1,987)	1:100:A:LYS:HB2	1:100:A:LYS:HB3	6	0.1
(1,987)	1:100:A:LYS:HB2	1:100:A:LYS:HB3	7	0.1
(1,987)	1:100:A:LYS:HB2	1:100:A:LYS:HB3	8	0.1
(1,987)	1:100:A:LYS:HB2	1:100:A:LYS:HB3	9	0.1
(1,987)	1:100:A:LYS:HB2	1:100:A:LYS:HB3	11	0.1
(1,987)	1:100:A:LYS:HB2	1:100:A:LYS:HB3	13	0.1
(1,987)	1:100:A:LYS:HB2	1:100:A:LYS:HB3	14	0.1
(1,987)	1:100:A:LYS:HB2	1:100:A:LYS:HB3	15	0.1
(1,987)	1:100:A:LYS:HB2	1:100:A:LYS:HB3	17	0.1
(1,987)	1:100:A:LYS:HB2	1:100:A:LYS:HB3	18	0.1
(1,962)	1:59:B:MET:HG2	1:59:B:MET:HB3	6	0.1
(1,962)	1:59:B:MET:HG2	1:59:B:MET:HB3	7	0.1
(1,962)	1:59:B:MET:HG2	1:59:B:MET:HB3	15	0.1
(1,961)	1:59:A:MET:HG2	1:59:A:MET:HB3	6	0.1
(1,961)	1:59:A:MET:HG2	1:59:A:MET:HB3	15	0.1
(1,943)	1:59:A:MET:HG3	1:31:A:LYS:HE3	1	0.1
(1,943)	1:59:A:MET:HG3	1:31:A:LYS:HE3	19	0.1
(1,890)	1:61:B:ASN:HD21	1:57:B:LYS:HB3	7	0.1
(1,889)	1:61:A:ASN:HD21	1:57:A:LYS:HB3	3	0.1
(1,889)	1:61:A:ASN:HD21	1:57:A:LYS:HB3	7	0.1
(1,883)	1:18:A:LYS:HB3	1:15:A:THR:H	19	0.1
(1,765)	1:28:A:LYS:HD2	1:29:A:LEU:H	3	0.1
(1,765)	1:28:A:LYS:HD2	1:29:A:LEU:H	20	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,582)	1:29:B:LEU:HD22	1:29:B:LEU:H	5	0.1
(1,581)	1:29:A:LEU:HD22	1:29:A:LEU:H	5	0.1
(1,558)	1:9:B:LEU:HG	1:9:B:LEU:HA	9	0.1
(1,558)	1:9:B:LEU:HG	1:9:B:LEU:HA	16	0.1
(1,557)	1:9:A:LEU:HG	1:9:A:LEU:HA	9	0.1
(1,557)	1:9:A:LEU:HG	1:9:A:LEU:HA	16	0.1
(1,534)	1:38:B:LEU:HD22	1:62:B:LEU:HD11	3	0.1
(1,533)	1:38:A:LEU:HD22	1:62:A:LEU:HD11	3	0.1
(1,482)	1:79:B:LEU:HD23	1:12:B:MET:HB2	16	0.1
(1,481)	1:79:A:LEU:HD21	1:12:A:MET:HB3	4	0.1
(1,472)	1:28:B:LYS:HG2	1:71:B:ASP:HB3	3	0.1
(1,471)	1:28:A:LYS:HG2	1:71:A:ASP:HB3	3	0.1
(1,390)	1:31:B:LYS:HG2	1:34:B:LEU:HD22	1	0.1
(1,382)	1:31:B:LYS:HG2	1:68:B:ASN:HD21	2	0.1
(1,381)	1:31:A:LYS:HG2	1:68:A:ASN:HD21	2	0.1
(1,366)	1:96:B:LYS:HG2	1:91:B:GLU:H	2	0.1
(1,365)	1:96:A:LYS:HG2	1:91:A:GLU:H	2	0.1
(1,365)	1:96:A:LYS:HG3	1:91:A:GLU:H	19	0.1
(1,324)	1:58:B:LEU:HD13	1:58:B:LEU:HB2	4	0.1
(1,323)	1:58:A:LEU:HD13	1:58:A:LEU:HB2	14	0.1
(1,300)	1:38:B:LEU:HD13	1:45:B:PHE:HB3	20	0.1
(1,296)	1:62:B:LEU:HD21	1:59:B:MET:HA	15	0.1
(1,271)	1:39:A:THR:HG21	1:38:A:LEU:HD11	15	0.1
(1,268)	1:9:B:LEU:HD11	1:12:A:MET:HB2	10	0.1
(1,268)	1:9:B:LEU:HD13	1:12:A:MET:HB2	13	0.1
(1,267)	1:9:A:LEU:HD12	1:12:B:MET:HB2	2	0.1
(1,262)	1:38:B:LEU:HD13	1:45:B:PHE:HA	16	0.1
(1,234)	1:13:B:VAL:HG21	1:13:B:VAL:HA	4	0.1
(1,206)	1:34:B:LEU:HD11	1:38:B:LEU:H	4	0.1
(1,136)	1:77:B:VAL:HG11	1:73:B:GLN:HG2	20	0.1
(1,135)	1:77:A:VAL:HG11	1:73:A:GLN:HG2	20	0.1
(1,78)	1:53:B:ALA:HB3	1:53:B:ALA:HA	2	0.1
(1,78)	1:53:B:ALA:HB2	1:53:B:ALA:HA	6	0.1
(1,78)	1:53:B:ALA:HB2	1:53:B:ALA:HA	8	0.1
(1,78)	1:53:B:ALA:HB2	1:53:B:ALA:HA	9	0.1
(1,78)	1:53:B:ALA:HB3	1:53:B:ALA:HA	10	0.1
(1,78)	1:53:B:ALA:HB3	1:53:B:ALA:HA	14	0.1
(1,78)	1:53:B:ALA:HB1	1:53:B:ALA:HA	15	0.1
(1,78)	1:53:B:ALA:HB1	1:53:B:ALA:HA	17	0.1
(1,78)	1:53:B:ALA:HB3	1:53:B:ALA:HA	19	0.1
(1,78)	1:53:B:ALA:HB1	1:53:B:ALA:HA	20	0.1
(1,77)	1:53:A:ALA:HB3	1:53:A:ALA:HA	2	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,77)	1:53:A:ALA:HB2	1:53:A:ALA:HA	6	0.1
(1,77)	1:53:A:ALA:HB2	1:53:A:ALA:HA	8	0.1
(1,77)	1:53:A:ALA:HB3	1:53:A:ALA:HA	9	0.1
(1,77)	1:53:A:ALA:HB3	1:53:A:ALA:HA	14	0.1
(1,77)	1:53:A:ALA:HB3	1:53:A:ALA:HA	19	0.1
(1,77)	1:53:A:ALA:HB1	1:53:A:ALA:HA	20	0.1

10 Dihedral-angle violation analysis

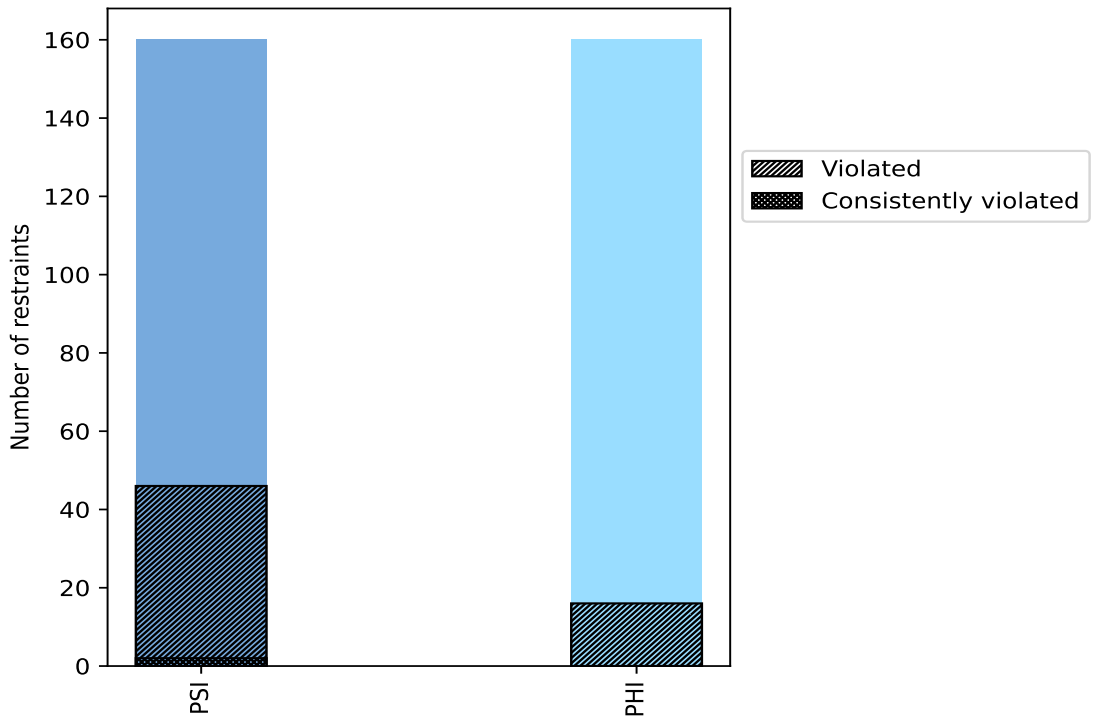
10.1 Summary of dihedral-angle violations

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	160	50.0	46	28.7	14.4	2	1.2	0.6
PHI	160	50.0	16	10.0	5.0	0	0.0	0.0
Total	320	100.0	62	19.4	19.4	2	0.6	0.6

[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



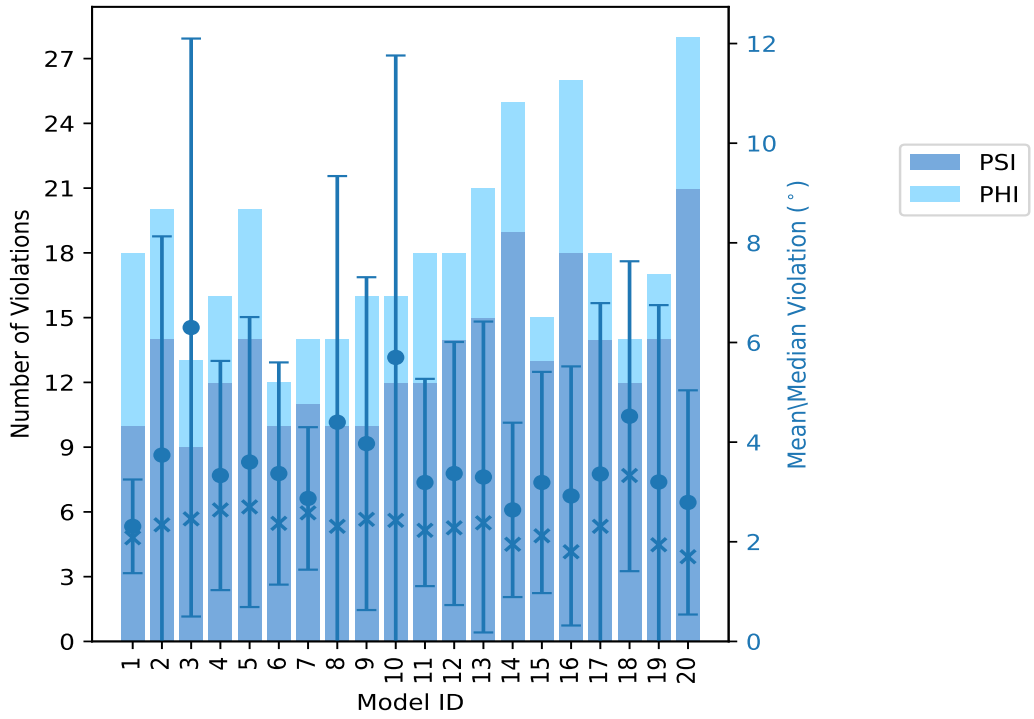
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

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	10	8	18	2.31	4.69	0.94	2.08
2	14	6	20	3.74	16.47	4.39	2.34
3	9	4	13	6.3	17.29	5.8	2.46
4	12	4	16	3.33	8.79	2.3	2.64
5	14	6	20	3.6	11.94	2.91	2.7
6	10	2	12	3.37	6.94	2.23	2.37
7	11	3	14	2.87	5.17	1.43	2.58
8	10	4	14	4.4	16.45	4.94	2.31
9	10	6	16	3.97	12.34	3.34	2.45
10	12	4	16	5.7	18.62	6.06	2.43
11	12	6	18	3.19	7.84	2.08	2.23
12	14	4	18	3.37	10.14	2.64	2.28
13	15	6	21	3.3	12.3	3.12	2.38
14	19	6	25	2.64	6.4	1.75	1.95
15	13	2	15	3.19	7.96	2.22	2.12
16	18	8	26	2.92	10.15	2.6	1.8
17	14	4	18	3.36	12.81	3.43	2.31
18	12	2	14	4.52	10.72	3.11	3.33
19	14	3	17	3.2	12.95	3.55	1.94
20	21	7	28	2.79	9.3	2.25	1.7

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]	%
18	5	23	1	5.0
5	1	6	2	10.0
3	4	7	3	15.0
3	0	3	4	20.0
4	0	4	5	25.0
1	0	1	6	30.0
0	0	0	7	35.0
0	0	0	8	40.0
1	0	1	9	45.0
1	2	3	10	50.0
2	0	2	11	55.0

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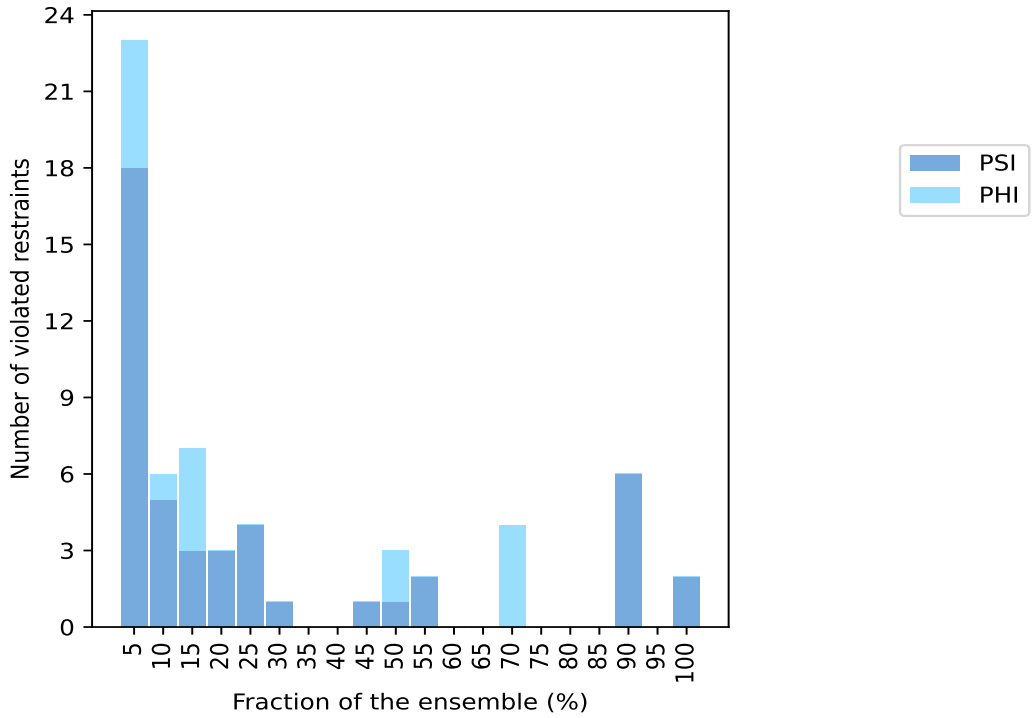
Number of violated restraints			Fraction of the ensemble	
PSI	PHI	Total	Count[1]	%
0	0	0	12	60.0
0	0	0	13	65.0
0	4	4	14	70.0
0	0	0	15	75.0
0	0	0	16	80.0
0	0	0	17	85.0
6	0	6	18	90.0
0	0	0	19	95.0
2	0	2	20	100.0

[1] Number of models with violations

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

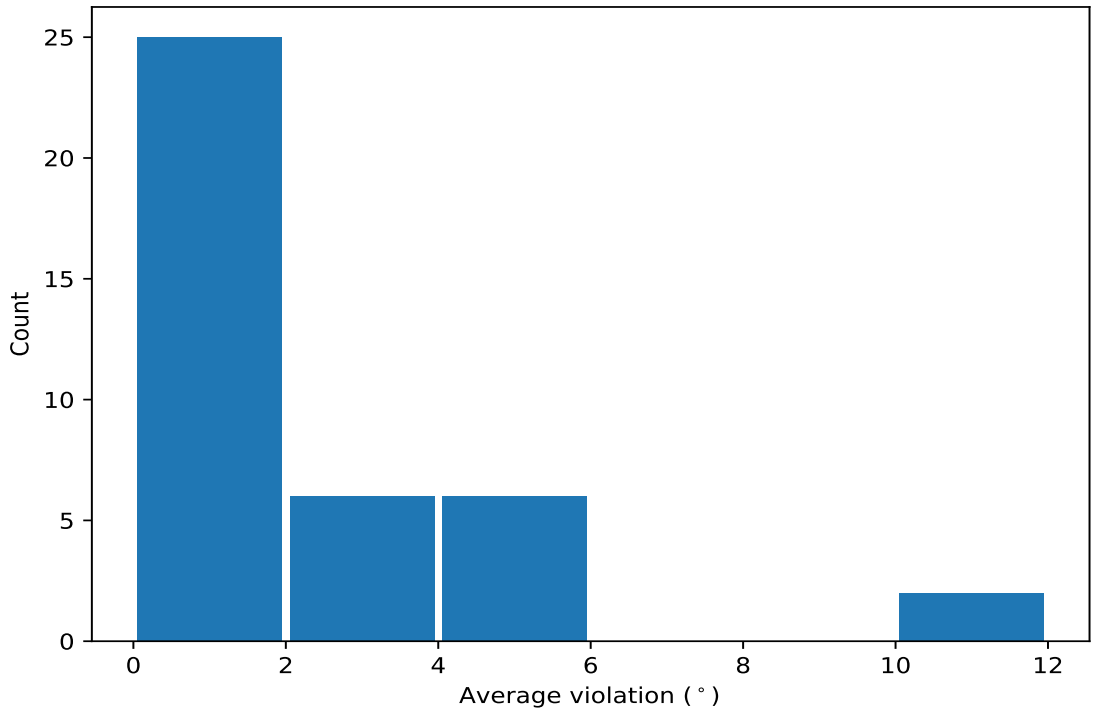


10.4 Most violated dihedral-angle restraints in the ensemble

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
(1,10)	1:7:A:LYS:N	1:7:A:LYS:CA	1:7:A:LYS:C	1:8:A:ALA:N	20	4.41	1.36	4.34
(1,170)	1:7:B:LYS:N	1:7:B:LYS:CA	1:7:B:LYS:C	1:8:B:ALA:N	20	4.39	1.36	4.34
(1,162)	1:3:B:SER:N	1:3:B:SER:CA	1:3:B:SER:C	1:4:B:PRO:N	18	10.13	3.36	10.09
(1,2)	1:3:A:SER:N	1:3:A:SER:CA	1:3:A:SER:C	1:4:A:PRO:N	18	10.11	3.36	10.05
(1,4)	1:4:A:PRO:N	1:4:A:PRO:CA	1:4:A:PRO:C	1:5:A:LEU:N	18	5.06	2.74	4.65
(1,164)	1:4:B:PRO:N	1:4:B:PRO:CA	1:4:B:PRO:C	1:5:B:LEU:N	18	5.04	2.79	4.6
(1,208)	1:29:B:LEU:N	1:29:B:LEU:CA	1:29:B:LEU:C	1:30:B:ASN:N	18	2.35	0.93	2.28
(1,48)	1:29:A:LEU:N	1:29:A:LEU:CA	1:29:A:LEU:C	1:30:A:ASN:N	18	2.34	0.93	2.26
(1,3)	1:3:A:SER:C	1:4:A:PRO:N	1:4:A:PRO:CA	1:4:A:PRO:C	14	4.3	5.6	2.27
(1,163)	1:3:B:SER:C	1:4:B:PRO:N	1:4:B:PRO:CA	1:4:B:PRO:C	14	4.29	5.59	2.22
(1,79)	1:45:A:PHE:C	1:46:A:LEU:N	1:46:A:LEU:CA	1:46:A:LEU:C	14	1.99	0.51	2.08
(1,239)	1:45:B:PHE:C	1:46:B:LEU:N	1:46:B:LEU:CA	1:46:B:LEU:C	14	1.97	0.52	1.98
(1,232)	1:41:B:GLU:N	1:41:B:GLU:CA	1:41:B:GLU:C	1:42:B:LEU:N	11	1.93	0.47	1.83
(1,72)	1:41:A:GLU:N	1:41:A:GLU:CA	1:41:A:GLU:C	1:42:A:LEU:N	11	1.92	0.52	1.76
(1,117)	1:69:A:GLU:C	1:70:A:VAL:N	1:70:A:VAL:CA	1:70:A:VAL:C	10	2.08	0.36	2.13
(1,277)	1:69:B:GLU:C	1:70:B:VAL:N	1:70:B:VAL:CA	1:70:B:VAL:C	10	2.07	0.39	2.1
(1,102)	1:60:A:SER:N	1:60:A:SER:CA	1:60:A:SER:C	1:61:A:ASN:N	10	1.61	0.45	1.75
(1,262)	1:60:B:SER:N	1:60:B:SER:CA	1:60:B:SER:C	1:61:B:ASN:N	9	1.81	0.49	1.9
(1,84)	1:48:A:LYS:N	1:48:A:LYS:CA	1:48:A:LYS:C	1:49:A:ARG:N	6	1.78	0.49	1.74
(1,244)	1:48:B:LYS:N	1:48:B:LYS:CA	1:48:B:LYS:C	1:49:B:ARG:N	5	1.88	0.55	2.1

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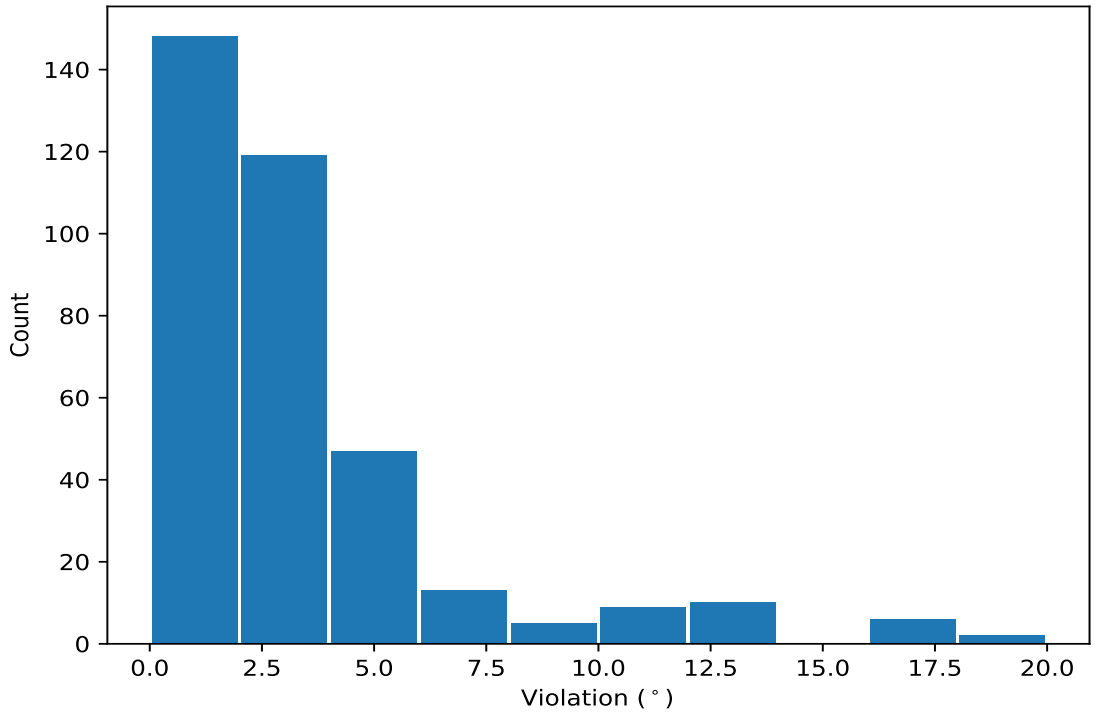
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,42)	1:23:A:GLU:N	1:23:A:GLU:CA	1:23:A:GLU:C	1:24:A:GLY:N	5	1.7	0.53	1.35
(1,202)	1:23:B:GLU:N	1:23:B:GLU:CA	1:23:B:GLU:C	1:24:B:GLY:N	5	1.68	0.59	1.5
(1,260)	1:59:B:MET:N	1:59:B:MET:CA	1:59:B:MET:C	1:60:B:SER:N	5	1.64	0.82	1.28
(1,28)	1:16:A:PHE:N	1:16:A:PHE:CA	1:16:A:PHE:C	1:17:A:HIS:N	4	1.87	0.82	1.74
(1,116)	1:69:A:GLU:N	1:69:A:GLU:CA	1:69:A:GLU:C	1:70:A:VAL:N	4	1.61	0.22	1.6
(1,276)	1:69:B:GLU:N	1:69:B:GLU:CA	1:69:B:GLU:C	1:70:B:VAL:N	4	1.57	0.2	1.54
(1,188)	1:16:B:PHE:N	1:16:B:PHE:CA	1:16:B:PHE:C	1:17:B:HIS:N	3	2.14	0.82	2.42
(1,100)	1:59:A:MET:N	1:59:A:MET:CA	1:59:A:MET:C	1:60:A:SER:N	3	2.01	0.86	1.66
(1,83)	1:47:A:GLY:C	1:48:A:LYS:N	1:48:A:LYS:CA	1:48:A:LYS:C	3	1.9	0.16	1.9
(1,243)	1:47:B:GLY:C	1:48:B:LYS:N	1:48:B:LYS:CA	1:48:B:LYS:C	3	1.82	0.37	1.67
(1,152)	1:87:A:ASN:N	1:87:A:ASN:CA	1:87:A:ASN:C	1:88:A:GLU:N	3	1.45	0.36	1.44
(1,107)	1:63:A:ASP:C	1:64:A:SER:N	1:64:A:SER:CA	1:64:A:SER:C	3	1.33	0.14	1.25
(1,267)	1:63:B:ASP:C	1:64:B:SER:N	1:64:B:SER:CA	1:64:B:SER:C	3	1.29	0.17	1.25
(1,312)	1:87:B:ASN:N	1:87:B:ASN:CA	1:87:B:ASN:C	1:88:B:GLU:N	2	1.74	0.2	1.74
(1,200)	1:22:B:LYS:N	1:22:B:LYS:CA	1:22:B:LYS:C	1:23:B:GLU:N	2	1.71	0.66	1.71
(1,238)	1:45:B:PHE:N	1:45:B:PHE:CA	1:45:B:PHE:C	1:46:B:LEU:N	2	1.69	0.3	1.69
(1,78)	1:45:A:PHE:N	1:45:A:PHE:CA	1:45:A:PHE:C	1:46:A:LEU:N	2	1.66	0.14	1.66
(1,206)	1:28:B:LYS:N	1:28:B:LYS:CA	1:28:B:LYS:C	1:29:B:LEU:N	2	1.2	0.12	1.2
(1,311)	1:86:B:SER:C	1:87:B:ASN:N	1:87:B:ASN:CA	1:87:B:ASN:C	2	1.12	0.07	1.12

[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 (°)
(1,163)	1:3:B:SER:C	1:4:B:PRO:N	1:4:B:PRO:CA	1:4:B:PRO:C	10	18.62
(1,3)	1:3:A:SER:C	1:4:A:PRO:N	1:4:A:PRO:CA	1:4:A:PRO:C	10	18.57
(1,3)	1:3:A:SER:C	1:4:A:PRO:N	1:4:A:PRO:CA	1:4:A:PRO:C	3	17.29
(1,163)	1:3:B:SER:C	1:4:B:PRO:N	1:4:B:PRO:CA	1:4:B:PRO:C	3	17.19
(1,162)	1:3:B:SER:N	1:3:B:SER:CA	1:3:B:SER:C	1:4:B:PRO:N	2	16.47
(1,2)	1:3:A:SER:N	1:3:A:SER:CA	1:3:A:SER:C	1:4:A:PRO:N	8	16.45
(1,2)	1:3:A:SER:N	1:3:A:SER:CA	1:3:A:SER:C	1:4:A:PRO:N	2	16.44
(1,162)	1:3:B:SER:N	1:3:B:SER:CA	1:3:B:SER:C	1:4:B:PRO:N	8	16.39
(1,162)	1:3:B:SER:N	1:3:B:SER:CA	1:3:B:SER:C	1:4:B:PRO:N	19	12.95
(1,162)	1:3:B:SER:N	1:3:B:SER:CA	1:3:B:SER:C	1:4:B:PRO:N	17	12.81
(1,164)	1:4:B:PRO:N	1:4:B:PRO:CA	1:4:B:PRO:C	1:5:B:LEU:N	10	12.77
(1,2)	1:3:A:SER:N	1:3:A:SER:CA	1:3:A:SER:C	1:4:A:PRO:N	17	12.75
(1,4)	1:4:A:PRO:N	1:4:A:PRO:CA	1:4:A:PRO:C	1:5:A:LEU:N	10	12.74
(1,2)	1:3:A:SER:N	1:3:A:SER:CA	1:3:A:SER:C	1:4:A:PRO:N	19	12.66
(1,2)	1:3:A:SER:N	1:3:A:SER:CA	1:3:A:SER:C	1:4:A:PRO:N	9	12.34
(1,162)	1:3:B:SER:N	1:3:B:SER:CA	1:3:B:SER:C	1:4:B:PRO:N	13	12.3
(1,2)	1:3:A:SER:N	1:3:A:SER:CA	1:3:A:SER:C	1:4:A:PRO:N	13	12.25
(1,162)	1:3:B:SER:N	1:3:B:SER:CA	1:3:B:SER:C	1:4:B:PRO:N	9	12.23
(1,162)	1:3:B:SER:N	1:3:B:SER:CA	1:3:B:SER:C	1:4:B:PRO:N	5	11.94
(1,2)	1:3:A:SER:N	1:3:A:SER:CA	1:3:A:SER:C	1:4:A:PRO:N	5	11.83
(1,4)	1:4:A:PRO:N	1:4:A:PRO:CA	1:4:A:PRO:C	1:5:A:LEU:N	3	11.45

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,164)	1:4:B:PRO:N	1:4:B:PRO:CA	1:4:B:PRO:C	1:5:B:LEU:N	3	11.43
(1,162)	1:3:B:SER:N	1:3:B:SER:CA	1:3:B:SER:C	1:4:B:PRO:N	18	10.72
(1,2)	1:3:A:SER:N	1:3:A:SER:CA	1:3:A:SER:C	1:4:A:PRO:N	18	10.71
(1,2)	1:3:A:SER:N	1:3:A:SER:CA	1:3:A:SER:C	1:4:A:PRO:N	16	10.15
(1,162)	1:3:B:SER:N	1:3:B:SER:CA	1:3:B:SER:C	1:4:B:PRO:N	12	10.14
(1,162)	1:3:B:SER:N	1:3:B:SER:CA	1:3:B:SER:C	1:4:B:PRO:N	16	10.04
(1,2)	1:3:A:SER:N	1:3:A:SER:CA	1:3:A:SER:C	1:4:A:PRO:N	12	9.95
(1,2)	1:3:A:SER:N	1:3:A:SER:CA	1:3:A:SER:C	1:4:A:PRO:N	20	9.3
(1,162)	1:3:B:SER:N	1:3:B:SER:CA	1:3:B:SER:C	1:4:B:PRO:N	20	9.25
(1,2)	1:3:A:SER:N	1:3:A:SER:CA	1:3:A:SER:C	1:4:A:PRO:N	4	8.79
(1,162)	1:3:B:SER:N	1:3:B:SER:CA	1:3:B:SER:C	1:4:B:PRO:N	4	8.76
(1,2)	1:3:A:SER:N	1:3:A:SER:CA	1:3:A:SER:C	1:4:A:PRO:N	15	7.96
(1,162)	1:3:B:SER:N	1:3:B:SER:CA	1:3:B:SER:C	1:4:B:PRO:N	15	7.94
(1,2)	1:3:A:SER:N	1:3:A:SER:CA	1:3:A:SER:C	1:4:A:PRO:N	11	7.84
(1,162)	1:3:B:SER:N	1:3:B:SER:CA	1:3:B:SER:C	1:4:B:PRO:N	11	7.53
(1,162)	1:3:B:SER:N	1:3:B:SER:CA	1:3:B:SER:C	1:4:B:PRO:N	6	6.94
(1,2)	1:3:A:SER:N	1:3:A:SER:CA	1:3:A:SER:C	1:4:A:PRO:N	6	6.91
(1,10)	1:7:A:LYS:N	1:7:A:LYS:CA	1:7:A:LYS:C	1:8:A:ALA:N	18	6.62
(1,170)	1:7:B:LYS:N	1:7:B:LYS:CA	1:7:B:LYS:C	1:8:B:ALA:N	18	6.56
(1,162)	1:3:B:SER:N	1:3:B:SER:CA	1:3:B:SER:C	1:4:B:PRO:N	14	6.4
(1,2)	1:3:A:SER:N	1:3:A:SER:CA	1:3:A:SER:C	1:4:A:PRO:N	14	6.25
(1,170)	1:7:B:LYS:N	1:7:B:LYS:CA	1:7:B:LYS:C	1:8:B:ALA:N	16	6.24
(1,10)	1:7:A:LYS:N	1:7:A:LYS:CA	1:7:A:LYS:C	1:8:A:ALA:N	3	6.24
(1,170)	1:7:B:LYS:N	1:7:B:LYS:CA	1:7:B:LYS:C	1:8:B:ALA:N	6	6.0
(1,10)	1:7:A:LYS:N	1:7:A:LYS:CA	1:7:A:LYS:C	1:8:A:ALA:N	14	5.99
(1,10)	1:7:A:LYS:N	1:7:A:LYS:CA	1:7:A:LYS:C	1:8:A:ALA:N	16	5.97
(1,170)	1:7:B:LYS:N	1:7:B:LYS:CA	1:7:B:LYS:C	1:8:B:ALA:N	3	5.86
(1,10)	1:7:A:LYS:N	1:7:A:LYS:CA	1:7:A:LYS:C	1:8:A:ALA:N	6	5.82
(1,4)	1:4:A:PRO:N	1:4:A:PRO:CA	1:4:A:PRO:C	1:5:A:LEU:N	20	5.79
(1,164)	1:4:B:PRO:N	1:4:B:PRO:CA	1:4:B:PRO:C	1:5:B:LEU:N	18	5.75
(1,170)	1:7:B:LYS:N	1:7:B:LYS:CA	1:7:B:LYS:C	1:8:B:ALA:N	14	5.73
(1,164)	1:4:B:PRO:N	1:4:B:PRO:CA	1:4:B:PRO:C	1:5:B:LEU:N	20	5.72
(1,164)	1:4:B:PRO:N	1:4:B:PRO:CA	1:4:B:PRO:C	1:5:B:LEU:N	13	5.62
(1,4)	1:4:A:PRO:N	1:4:A:PRO:CA	1:4:A:PRO:C	1:5:A:LEU:N	13	5.48
(1,164)	1:4:B:PRO:N	1:4:B:PRO:CA	1:4:B:PRO:C	1:5:B:LEU:N	16	5.32
(1,4)	1:4:A:PRO:N	1:4:A:PRO:CA	1:4:A:PRO:C	1:5:A:LEU:N	18	5.25
(1,4)	1:4:A:PRO:N	1:4:A:PRO:CA	1:4:A:PRO:C	1:5:A:LEU:N	16	5.23
(1,4)	1:4:A:PRO:N	1:4:A:PRO:CA	1:4:A:PRO:C	1:5:A:LEU:N	9	5.22
(1,170)	1:7:B:LYS:N	1:7:B:LYS:CA	1:7:B:LYS:C	1:8:B:ALA:N	10	5.19
(1,170)	1:7:B:LYS:N	1:7:B:LYS:CA	1:7:B:LYS:C	1:8:B:ALA:N	7	5.17
(1,164)	1:4:B:PRO:N	1:4:B:PRO:CA	1:4:B:PRO:C	1:5:B:LEU:N	5	5.17
(1,208)	1:29:B:LEU:N	1:29:B:LEU:CA	1:29:B:LEU:C	1:30:B:ASN:N	11	5.16
(1,48)	1:29:A:LEU:N	1:29:A:LEU:CA	1:29:A:LEU:C	1:30:A:ASN:N	11	5.15
(1,170)	1:7:B:LYS:N	1:7:B:LYS:CA	1:7:B:LYS:C	1:8:B:ALA:N	20	5.11
(1,10)	1:7:A:LYS:N	1:7:A:LYS:CA	1:7:A:LYS:C	1:8:A:ALA:N	10	5.08
(1,170)	1:7:B:LYS:N	1:7:B:LYS:CA	1:7:B:LYS:C	1:8:B:ALA:N	15	5.0
(1,10)	1:7:A:LYS:N	1:7:A:LYS:CA	1:7:A:LYS:C	1:8:A:ALA:N	15	4.99
(1,4)	1:4:A:PRO:N	1:4:A:PRO:CA	1:4:A:PRO:C	1:5:A:LEU:N	12	4.99
(1,164)	1:4:B:PRO:N	1:4:B:PRO:CA	1:4:B:PRO:C	1:5:B:LEU:N	9	4.98
(1,10)	1:7:A:LYS:N	1:7:A:LYS:CA	1:7:A:LYS:C	1:8:A:ALA:N	7	4.94
(1,10)	1:7:A:LYS:N	1:7:A:LYS:CA	1:7:A:LYS:C	1:8:A:ALA:N	20	4.91

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,162)	1:3:B:SER:N	1:3:B:SER:CA	1:3:B:SER:C	1:4:B:PRO:N	7	4.84
(1,164)	1:4:B:PRO:N	1:4:B:PRO:CA	1:4:B:PRO:C	1:5:B:LEU:N	12	4.81
(1,4)	1:4:A:PRO:N	1:4:A:PRO:CA	1:4:A:PRO:C	1:5:A:LEU:N	5	4.75
(1,2)	1:3:A:SER:N	1:3:A:SER:CA	1:3:A:SER:C	1:4:A:PRO:N	7	4.73
(1,162)	1:3:B:SER:N	1:3:B:SER:CA	1:3:B:SER:C	1:4:B:PRO:N	1	4.69
(1,2)	1:3:A:SER:N	1:3:A:SER:CA	1:3:A:SER:C	1:4:A:PRO:N	1	4.59
(1,4)	1:4:A:PRO:N	1:4:A:PRO:CA	1:4:A:PRO:C	1:5:A:LEU:N	2	4.56
(1,170)	1:7:B:LYS:N	1:7:B:LYS:CA	1:7:B:LYS:C	1:8:B:ALA:N	11	4.46
(1,164)	1:4:B:PRO:N	1:4:B:PRO:CA	1:4:B:PRO:C	1:5:B:LEU:N	2	4.38
(1,164)	1:4:B:PRO:N	1:4:B:PRO:CA	1:4:B:PRO:C	1:5:B:LEU:N	14	4.36
(1,4)	1:4:A:PRO:N	1:4:A:PRO:CA	1:4:A:PRO:C	1:5:A:LEU:N	14	4.36
(1,10)	1:7:A:LYS:N	1:7:A:LYS:CA	1:7:A:LYS:C	1:8:A:ALA:N	12	4.35
(1,10)	1:7:A:LYS:N	1:7:A:LYS:CA	1:7:A:LYS:C	1:8:A:ALA:N	2	4.34
(1,10)	1:7:A:LYS:N	1:7:A:LYS:CA	1:7:A:LYS:C	1:8:A:ALA:N	11	4.28
(1,4)	1:4:A:PRO:N	1:4:A:PRO:CA	1:4:A:PRO:C	1:5:A:LEU:N	4	4.26
(1,170)	1:7:B:LYS:N	1:7:B:LYS:CA	1:7:B:LYS:C	1:8:B:ALA:N	12	4.22
(1,164)	1:4:B:PRO:N	1:4:B:PRO:CA	1:4:B:PRO:C	1:5:B:LEU:N	4	4.2
(1,170)	1:7:B:LYS:N	1:7:B:LYS:CA	1:7:B:LYS:C	1:8:B:ALA:N	2	4.04
(1,10)	1:7:A:LYS:N	1:7:A:LYS:CA	1:7:A:LYS:C	1:8:A:ALA:N	9	4.03
(1,10)	1:7:A:LYS:N	1:7:A:LYS:CA	1:7:A:LYS:C	1:8:A:ALA:N	17	4.0
(1,10)	1:7:A:LYS:N	1:7:A:LYS:CA	1:7:A:LYS:C	1:8:A:ALA:N	4	3.98
(1,170)	1:7:B:LYS:N	1:7:B:LYS:CA	1:7:B:LYS:C	1:8:B:ALA:N	4	3.96
(1,170)	1:7:B:LYS:N	1:7:B:LYS:CA	1:7:B:LYS:C	1:8:B:ALA:N	9	3.86
(1,170)	1:7:B:LYS:N	1:7:B:LYS:CA	1:7:B:LYS:C	1:8:B:ALA:N	17	3.81
(1,164)	1:4:B:PRO:N	1:4:B:PRO:CA	1:4:B:PRO:C	1:5:B:LEU:N	8	3.7
(1,4)	1:4:A:PRO:N	1:4:A:PRO:CA	1:4:A:PRO:C	1:5:A:LEU:N	15	3.57
(1,4)	1:4:A:PRO:N	1:4:A:PRO:CA	1:4:A:PRO:C	1:5:A:LEU:N	11	3.53
(1,164)	1:4:B:PRO:N	1:4:B:PRO:CA	1:4:B:PRO:C	1:5:B:LEU:N	11	3.43
(1,4)	1:4:A:PRO:N	1:4:A:PRO:CA	1:4:A:PRO:C	1:5:A:LEU:N	8	3.43
(1,208)	1:29:B:LEU:N	1:29:B:LEU:CA	1:29:B:LEU:C	1:30:B:ASN:N	18	3.36
(1,164)	1:4:B:PRO:N	1:4:B:PRO:CA	1:4:B:PRO:C	1:5:B:LEU:N	15	3.3
(1,48)	1:29:A:LEU:N	1:29:A:LEU:CA	1:29:A:LEU:C	1:30:A:ASN:N	18	3.3
(1,3)	1:3:A:SER:C	1:4:A:PRO:N	1:4:A:PRO:CA	1:4:A:PRO:C	5	3.24
(1,260)	1:59:B:MET:N	1:59:B:MET:CA	1:59:B:MET:C	1:60:B:SER:N	14	3.2
(1,100)	1:59:A:MET:N	1:59:A:MET:CA	1:59:A:MET:C	1:60:A:SER:N	14	3.2
(1,163)	1:3:B:SER:C	1:4:B:PRO:N	1:4:B:PRO:CA	1:4:B:PRO:C	5	3.07
(1,208)	1:29:B:LEU:N	1:29:B:LEU:CA	1:29:B:LEU:C	1:30:B:ASN:N	10	3.06
(1,170)	1:7:B:LYS:N	1:7:B:LYS:CA	1:7:B:LYS:C	1:8:B:ALA:N	19	3.06
(1,48)	1:29:A:LEU:N	1:29:A:LEU:CA	1:29:A:LEU:C	1:30:A:ASN:N	10	3.03
(1,10)	1:7:A:LYS:N	1:7:A:LYS:CA	1:7:A:LYS:C	1:8:A:ALA:N	19	3.0
(1,188)	1:16:B:PHE:N	1:16:B:PHE:CA	1:16:B:PHE:C	1:17:B:HIS:N	20	2.97
(1,48)	1:29:A:LEU:N	1:29:A:LEU:CA	1:29:A:LEU:C	1:30:A:ASN:N	16	2.97
(1,208)	1:29:B:LEU:N	1:29:B:LEU:CA	1:29:B:LEU:C	1:30:B:ASN:N	5	2.95
(1,208)	1:29:B:LEU:N	1:29:B:LEU:CA	1:29:B:LEU:C	1:30:B:ASN:N	16	2.93
(1,48)	1:29:A:LEU:N	1:29:A:LEU:CA	1:29:A:LEU:C	1:30:A:ASN:N	5	2.93
(1,28)	1:16:A:PHE:N	1:16:A:PHE:CA	1:16:A:PHE:C	1:17:A:HIS:N	20	2.93
(1,277)	1:69:B:GLU:C	1:70:B:VAL:N	1:70:B:VAL:CA	1:70:B:VAL:C	5	2.91
(1,10)	1:7:A:LYS:N	1:7:A:LYS:CA	1:7:A:LYS:C	1:8:A:ALA:N	1	2.9
(1,170)	1:7:B:LYS:N	1:7:B:LYS:CA	1:7:B:LYS:C	1:8:B:ALA:N	8	2.84
(1,48)	1:29:A:LEU:N	1:29:A:LEU:CA	1:29:A:LEU:C	1:30:A:ASN:N	7	2.82
(1,79)	1:45:A:PHE:C	1:46:A:LEU:N	1:46:A:LEU:CA	1:46:A:LEU:C	6	2.81

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,117)	1:69:A:GLU:C	1:70:A:VAL:N	1:70:A:VAL:CA	1:70:A:VAL:C	5	2.8
(1,10)	1:7:A:LYS:N	1:7:A:LYS:CA	1:7:A:LYS:C	1:8:A:ALA:N	8	2.79
(1,72)	1:41:A:GLU:N	1:41:A:GLU:CA	1:41:A:GLU:C	1:42:A:LEU:N	17	2.78
(1,239)	1:45:B:PHE:C	1:46:B:LEU:N	1:46:B:LEU:CA	1:46:B:LEU:C	6	2.77
(1,110)	1:65:A:ASN:N	1:65:A:ASN:CA	1:65:A:ASN:C	1:66:A:ARG:N	2	2.75
(1,232)	1:41:B:GLU:N	1:41:B:GLU:CA	1:41:B:GLU:C	1:42:B:LEU:N	17	2.73
(1,208)	1:29:B:LEU:N	1:29:B:LEU:CA	1:29:B:LEU:C	1:30:B:ASN:N	7	2.71
(1,72)	1:41:A:GLU:N	1:41:A:GLU:CA	1:41:A:GLU:C	1:42:A:LEU:N	4	2.69
(1,202)	1:23:B:GLU:N	1:23:B:GLU:CA	1:23:B:GLU:C	1:24:B:GLY:N	4	2.68
(1,239)	1:45:B:PHE:C	1:46:B:LEU:N	1:46:B:LEU:CA	1:46:B:LEU:C	7	2.66
(1,236)	1:44:B:SER:N	1:44:B:SER:CA	1:44:B:SER:C	1:45:B:PHE:N	1	2.66
(1,170)	1:7:B:LYS:N	1:7:B:LYS:CA	1:7:B:LYS:C	1:8:B:ALA:N	1	2.64
(1,170)	1:7:B:LYS:N	1:7:B:LYS:CA	1:7:B:LYS:C	1:8:B:ALA:N	13	2.64
(1,163)	1:3:B:SER:C	1:4:B:PRO:N	1:4:B:PRO:CA	1:4:B:PRO:C	9	2.63
(1,3)	1:3:A:SER:C	1:4:A:PRO:N	1:4:A:PRO:CA	1:4:A:PRO:C	18	2.63
(1,10)	1:7:A:LYS:N	1:7:A:LYS:CA	1:7:A:LYS:C	1:8:A:ALA:N	13	2.62
(1,232)	1:41:B:GLU:N	1:41:B:GLU:CA	1:41:B:GLU:C	1:42:B:LEU:N	4	2.61
(1,239)	1:45:B:PHE:C	1:46:B:LEU:N	1:46:B:LEU:CA	1:46:B:LEU:C	5	2.59
(1,4)	1:4:A:PRO:N	1:4:A:PRO:CA	1:4:A:PRO:C	1:5:A:LEU:N	19	2.55
(1,79)	1:45:A:PHE:C	1:46:A:LEU:N	1:46:A:LEU:CA	1:46:A:LEU:C	5	2.54
(1,76)	1:44:A:SER:N	1:44:A:SER:CA	1:44:A:SER:C	1:45:A:PHE:N	1	2.54
(1,3)	1:3:A:SER:C	1:4:A:PRO:N	1:4:A:PRO:CA	1:4:A:PRO:C	2	2.53
(1,3)	1:3:A:SER:C	1:4:A:PRO:N	1:4:A:PRO:CA	1:4:A:PRO:C	9	2.53
(1,244)	1:48:B:LYS:N	1:48:B:LYS:CA	1:48:B:LYS:C	1:49:B:ARG:N	13	2.52
(1,163)	1:3:B:SER:C	1:4:B:PRO:N	1:4:B:PRO:CA	1:4:B:PRO:C	2	2.51
(1,79)	1:45:A:PHE:C	1:46:A:LEU:N	1:46:A:LEU:CA	1:46:A:LEU:C	7	2.5
(1,72)	1:41:A:GLU:N	1:41:A:GLU:CA	1:41:A:GLU:C	1:42:A:LEU:N	7	2.49
(1,42)	1:23:A:GLU:N	1:23:A:GLU:CA	1:23:A:GLU:C	1:24:A:GLY:N	4	2.49
(1,84)	1:48:A:LYS:N	1:48:A:LYS:CA	1:48:A:LYS:C	1:49:A:ARG:N	13	2.48
(1,239)	1:45:B:PHE:C	1:46:B:LEU:N	1:46:B:LEU:CA	1:46:B:LEU:C	16	2.47
(1,163)	1:3:B:SER:C	1:4:B:PRO:N	1:4:B:PRO:CA	1:4:B:PRO:C	18	2.46
(1,79)	1:45:A:PHE:C	1:46:A:LEU:N	1:46:A:LEU:CA	1:46:A:LEU:C	3	2.46
(1,270)	1:65:B:ASN:N	1:65:B:ASN:CA	1:65:B:ASN:C	1:66:B:ARG:N	2	2.45
(1,262)	1:60:B:SER:N	1:60:B:SER:CA	1:60:B:SER:C	1:61:B:ASN:N	12	2.45
(1,164)	1:4:B:PRO:N	1:4:B:PRO:CA	1:4:B:PRO:C	1:5:B:LEU:N	19	2.45
(1,232)	1:41:B:GLU:N	1:41:B:GLU:CA	1:41:B:GLU:C	1:42:B:LEU:N	7	2.43
(1,117)	1:69:A:GLU:C	1:70:A:VAL:N	1:70:A:VAL:CA	1:70:A:VAL:C	16	2.43
(1,188)	1:16:B:PHE:N	1:16:B:PHE:CA	1:16:B:PHE:C	1:17:B:HIS:N	5	2.42
(1,79)	1:45:A:PHE:C	1:46:A:LEU:N	1:46:A:LEU:CA	1:46:A:LEU:C	16	2.42
(1,208)	1:29:B:LEU:N	1:29:B:LEU:CA	1:29:B:LEU:C	1:30:B:ASN:N	13	2.41
(1,262)	1:60:B:SER:N	1:60:B:SER:CA	1:60:B:SER:C	1:61:B:ASN:N	13	2.4
(1,48)	1:29:A:LEU:N	1:29:A:LEU:CA	1:29:A:LEU:C	1:30:A:ASN:N	12	2.4
(1,208)	1:29:B:LEU:N	1:29:B:LEU:CA	1:29:B:LEU:C	1:30:B:ASN:N	12	2.39
(1,28)	1:16:A:PHE:N	1:16:A:PHE:CA	1:16:A:PHE:C	1:17:A:HIS:N	5	2.39
(1,48)	1:29:A:LEU:N	1:29:A:LEU:CA	1:29:A:LEU:C	1:30:A:ASN:N	13	2.38
(1,200)	1:22:B:LYS:N	1:22:B:LYS:CA	1:22:B:LYS:C	1:23:B:GLU:N	9	2.37
(1,48)	1:29:A:LEU:N	1:29:A:LEU:CA	1:29:A:LEU:C	1:30:A:ASN:N	17	2.37
(1,3)	1:3:A:SER:C	1:4:A:PRO:N	1:4:A:PRO:CA	1:4:A:PRO:C	8	2.37
(1,208)	1:29:B:LEU:N	1:29:B:LEU:CA	1:29:B:LEU:C	1:30:B:ASN:N	17	2.36
(1,243)	1:47:B:GLY:C	1:48:B:LYS:N	1:48:B:LYS:CA	1:48:B:LYS:C	14	2.33
(1,277)	1:69:B:GLU:C	1:70:B:VAL:N	1:70:B:VAL:CA	1:70:B:VAL:C	16	2.32

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,244)	1:48:B:LYS:N	1:48:B:LYS:CA	1:48:B:LYS:C	1:49:B:ARG:N	17	2.32
(1,84)	1:48:A:LYS:N	1:48:A:LYS:CA	1:48:A:LYS:C	1:49:A:ARG:N	17	2.3
(1,239)	1:45:B:PHE:C	1:46:B:LEU:N	1:46:B:LEU:CA	1:46:B:LEU:C	3	2.28
(1,40)	1:22:A:LYS:N	1:22:A:LYS:CA	1:22:A:LYS:C	1:23:A:GLU:N	9	2.27
(1,163)	1:3:B:SER:C	1:4:B:PRO:N	1:4:B:PRO:CA	1:4:B:PRO:C	8	2.25
(1,277)	1:69:B:GLU:C	1:70:B:VAL:N	1:70:B:VAL:CA	1:70:B:VAL:C	11	2.23
(1,239)	1:45:B:PHE:C	1:46:B:LEU:N	1:46:B:LEU:CA	1:46:B:LEU:C	15	2.23
(1,117)	1:69:A:GLU:C	1:70:A:VAL:N	1:70:A:VAL:CA	1:70:A:VAL:C	11	2.23
(1,277)	1:69:B:GLU:C	1:70:B:VAL:N	1:70:B:VAL:CA	1:70:B:VAL:C	2	2.22
(1,62)	1:36:A:GLU:N	1:36:A:GLU:CA	1:36:A:GLU:C	1:37:A:LEU:N	20	2.22
(1,208)	1:29:B:LEU:N	1:29:B:LEU:CA	1:29:B:LEU:C	1:30:B:ASN:N	19	2.21
(1,117)	1:69:A:GLU:C	1:70:A:VAL:N	1:70:A:VAL:CA	1:70:A:VAL:C	9	2.21
(1,79)	1:45:A:PHE:C	1:46:A:LEU:N	1:46:A:LEU:CA	1:46:A:LEU:C	9	2.21
(1,163)	1:3:B:SER:C	1:4:B:PRO:N	1:4:B:PRO:CA	1:4:B:PRO:C	1	2.2
(1,102)	1:60:A:SER:N	1:60:A:SER:CA	1:60:A:SER:C	1:61:A:ASN:N	13	2.19
(1,102)	1:60:A:SER:N	1:60:A:SER:CA	1:60:A:SER:C	1:61:A:ASN:N	12	2.18
(1,42)	1:23:A:GLU:N	1:23:A:GLU:CA	1:23:A:GLU:C	1:24:A:GLY:N	14	2.18
(1,222)	1:36:B:GLU:N	1:36:B:GLU:CA	1:36:B:GLU:C	1:37:B:LEU:N	20	2.17
(1,3)	1:3:A:SER:C	1:4:A:PRO:N	1:4:A:PRO:CA	1:4:A:PRO:C	1	2.17
(1,48)	1:29:A:LEU:N	1:29:A:LEU:CA	1:29:A:LEU:C	1:30:A:ASN:N	19	2.16
(1,262)	1:60:B:SER:N	1:60:B:SER:CA	1:60:B:SER:C	1:61:B:ASN:N	3	2.15
(1,117)	1:69:A:GLU:C	1:70:A:VAL:N	1:70:A:VAL:CA	1:70:A:VAL:C	2	2.13
(1,117)	1:69:A:GLU:C	1:70:A:VAL:N	1:70:A:VAL:CA	1:70:A:VAL:C	17	2.13
(1,79)	1:45:A:PHE:C	1:46:A:LEU:N	1:46:A:LEU:CA	1:46:A:LEU:C	15	2.12
(1,277)	1:69:B:GLU:C	1:70:B:VAL:N	1:70:B:VAL:CA	1:70:B:VAL:C	9	2.1
(1,277)	1:69:B:GLU:C	1:70:B:VAL:N	1:70:B:VAL:CA	1:70:B:VAL:C	17	2.1
(1,244)	1:48:B:LYS:N	1:48:B:LYS:CA	1:48:B:LYS:C	1:49:B:ARG:N	5	2.1
(1,83)	1:47:A:GLY:C	1:48:A:LYS:N	1:48:A:LYS:CA	1:48:A:LYS:C	14	2.09
(1,208)	1:29:B:LEU:N	1:29:B:LEU:CA	1:29:B:LEU:C	1:30:B:ASN:N	1	2.08
(1,232)	1:41:B:GLU:N	1:41:B:GLU:CA	1:41:B:GLU:C	1:42:B:LEU:N	11	2.07
(1,48)	1:29:A:LEU:N	1:29:A:LEU:CA	1:29:A:LEU:C	1:30:A:ASN:N	1	2.07
(1,79)	1:45:A:PHE:C	1:46:A:LEU:N	1:46:A:LEU:CA	1:46:A:LEU:C	8	2.05
(1,262)	1:60:B:SER:N	1:60:B:SER:CA	1:60:B:SER:C	1:61:B:ASN:N	5	2.04
(1,72)	1:41:A:GLU:N	1:41:A:GLU:CA	1:41:A:GLU:C	1:42:A:LEU:N	11	2.03
(1,163)	1:3:B:SER:C	1:4:B:PRO:N	1:4:B:PRO:CA	1:4:B:PRO:C	20	2.02
(1,72)	1:41:A:GLU:N	1:41:A:GLU:CA	1:41:A:GLU:C	1:42:A:LEU:N	8	2.0
(1,3)	1:3:A:SER:C	1:4:A:PRO:N	1:4:A:PRO:CA	1:4:A:PRO:C	20	2.0
(1,239)	1:45:B:PHE:C	1:46:B:LEU:N	1:46:B:LEU:CA	1:46:B:LEU:C	8	1.99
(1,238)	1:45:B:PHE:N	1:45:B:PHE:CA	1:45:B:PHE:C	1:46:B:LEU:N	14	1.99
(1,239)	1:45:B:PHE:C	1:46:B:LEU:N	1:46:B:LEU:CA	1:46:B:LEU:C	9	1.98
(1,4)	1:4:A:PRO:N	1:4:A:PRO:CA	1:4:A:PRO:C	1:5:A:LEU:N	6	1.97
(1,202)	1:23:B:GLU:N	1:23:B:GLU:CA	1:23:B:GLU:C	1:24:B:GLY:N	14	1.95
(1,3)	1:3:A:SER:C	1:4:A:PRO:N	1:4:A:PRO:CA	1:4:A:PRO:C	12	1.95
(1,312)	1:87:B:ASN:N	1:87:B:ASN:CA	1:87:B:ASN:C	1:88:B:GLU:N	19	1.94
(1,232)	1:41:B:GLU:N	1:41:B:GLU:CA	1:41:B:GLU:C	1:42:B:LEU:N	8	1.93
(1,164)	1:4:B:PRO:N	1:4:B:PRO:CA	1:4:B:PRO:C	1:5:B:LEU:N	6	1.93
(1,102)	1:60:A:SER:N	1:60:A:SER:CA	1:60:A:SER:C	1:61:A:ASN:N	3	1.93
(1,102)	1:60:A:SER:N	1:60:A:SER:CA	1:60:A:SER:C	1:61:A:ASN:N	5	1.93
(1,116)	1:69:A:GLU:N	1:69:A:GLU:CA	1:69:A:GLU:C	1:70:A:VAL:N	18	1.91
(1,262)	1:60:B:SER:N	1:60:B:SER:CA	1:60:B:SER:C	1:61:B:ASN:N	1	1.9
(1,163)	1:3:B:SER:C	1:4:B:PRO:N	1:4:B:PRO:CA	1:4:B:PRO:C	12	1.9

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,152)	1:87:A:ASN:N	1:87:A:ASN:CA	1:87:A:ASN:C	1:88:A:GLU:N	19	1.9
(1,117)	1:69:A:GLU:C	1:70:A:VAL:N	1:70:A:VAL:CA	1:70:A:VAL:C	13	1.9
(1,83)	1:47:A:GLY:C	1:48:A:LYS:N	1:48:A:LYS:CA	1:48:A:LYS:C	1	1.9
(1,277)	1:69:B:GLU:C	1:70:B:VAL:N	1:70:B:VAL:CA	1:70:B:VAL:C	13	1.88
(1,277)	1:69:B:GLU:C	1:70:B:VAL:N	1:70:B:VAL:CA	1:70:B:VAL:C	1	1.87
(1,4)	1:4:A:PRO:N	1:4:A:PRO:CA	1:4:A:PRO:C	1:5:A:LEU:N	17	1.86
(1,276)	1:69:B:GLU:N	1:69:B:GLU:CA	1:69:B:GLU:C	1:70:B:VAL:N	18	1.84
(1,232)	1:41:B:GLU:N	1:41:B:GLU:CA	1:41:B:GLU:C	1:42:B:LEU:N	16	1.83
(1,102)	1:60:A:SER:N	1:60:A:SER:CA	1:60:A:SER:C	1:61:A:ASN:N	10	1.83
(1,48)	1:29:A:LEU:N	1:29:A:LEU:CA	1:29:A:LEU:C	1:30:A:ASN:N	20	1.82
(1,232)	1:41:B:GLU:N	1:41:B:GLU:CA	1:41:B:GLU:C	1:42:B:LEU:N	15	1.8
(1,117)	1:69:A:GLU:C	1:70:A:VAL:N	1:70:A:VAL:CA	1:70:A:VAL:C	1	1.8
(1,78)	1:45:A:PHE:N	1:45:A:PHE:CA	1:45:A:PHE:C	1:46:A:LEU:N	14	1.79
(1,84)	1:48:A:LYS:N	1:48:A:LYS:CA	1:48:A:LYS:C	1:49:A:ARG:N	5	1.76
(1,72)	1:41:A:GLU:N	1:41:A:GLU:CA	1:41:A:GLU:C	1:42:A:LEU:N	16	1.76
(1,79)	1:45:A:PHE:C	1:46:A:LEU:N	1:46:A:LEU:CA	1:46:A:LEU:C	13	1.75
(1,48)	1:29:A:LEU:N	1:29:A:LEU:CA	1:29:A:LEU:C	1:30:A:ASN:N	8	1.75
(1,262)	1:60:B:SER:N	1:60:B:SER:CA	1:60:B:SER:C	1:61:B:ASN:N	10	1.73
(1,84)	1:48:A:LYS:N	1:48:A:LYS:CA	1:48:A:LYS:C	1:49:A:ARG:N	16	1.73
(1,208)	1:29:B:LEU:N	1:29:B:LEU:CA	1:29:B:LEU:C	1:30:B:ASN:N	8	1.72
(1,116)	1:69:A:GLU:N	1:69:A:GLU:CA	1:69:A:GLU:C	1:70:A:VAL:N	20	1.71
(1,277)	1:69:B:GLU:C	1:70:B:VAL:N	1:70:B:VAL:CA	1:70:B:VAL:C	19	1.7
(1,208)	1:29:B:LEU:N	1:29:B:LEU:CA	1:29:B:LEU:C	1:30:B:ASN:N	14	1.7
(1,163)	1:3:B:SER:C	1:4:B:PRO:N	1:4:B:PRO:CA	1:4:B:PRO:C	13	1.7
(1,83)	1:47:A:GLY:C	1:48:A:LYS:N	1:48:A:LYS:CA	1:48:A:LYS:C	20	1.7
(1,276)	1:69:B:GLU:N	1:69:B:GLU:CA	1:69:B:GLU:C	1:70:B:VAL:N	20	1.69
(1,260)	1:59:B:MET:N	1:59:B:MET:CA	1:59:B:MET:C	1:60:B:SER:N	15	1.69
(1,243)	1:47:B:GLY:C	1:48:B:LYS:N	1:48:B:LYS:CA	1:48:B:LYS:C	1	1.67
(1,208)	1:29:B:LEU:N	1:29:B:LEU:CA	1:29:B:LEU:C	1:30:B:ASN:N	20	1.67
(1,102)	1:60:A:SER:N	1:60:A:SER:CA	1:60:A:SER:C	1:61:A:ASN:N	1	1.67
(1,72)	1:41:A:GLU:N	1:41:A:GLU:CA	1:41:A:GLU:C	1:42:A:LEU:N	20	1.67
(1,239)	1:45:B:PHE:C	1:46:B:LEU:N	1:46:B:LEU:CA	1:46:B:LEU:C	13	1.66
(1,100)	1:59:A:MET:N	1:59:A:MET:CA	1:59:A:MET:C	1:60:A:SER:N	15	1.66
(1,232)	1:41:B:GLU:N	1:41:B:GLU:CA	1:41:B:GLU:C	1:42:B:LEU:N	20	1.65
(1,72)	1:41:A:GLU:N	1:41:A:GLU:CA	1:41:A:GLU:C	1:42:A:LEU:N	12	1.64
(1,117)	1:69:A:GLU:C	1:70:A:VAL:N	1:70:A:VAL:CA	1:70:A:VAL:C	19	1.62
(1,48)	1:29:A:LEU:N	1:29:A:LEU:CA	1:29:A:LEU:C	1:30:A:ASN:N	6	1.62
(1,3)	1:3:A:SER:C	1:4:A:PRO:N	1:4:A:PRO:CA	1:4:A:PRO:C	13	1.61
(1,208)	1:29:B:LEU:N	1:29:B:LEU:CA	1:29:B:LEU:C	1:30:B:ASN:N	6	1.6
(1,79)	1:45:A:PHE:C	1:46:A:LEU:N	1:46:A:LEU:CA	1:46:A:LEU:C	10	1.6
(1,239)	1:45:B:PHE:C	1:46:B:LEU:N	1:46:B:LEU:CA	1:46:B:LEU:C	10	1.59
(1,48)	1:29:A:LEU:N	1:29:A:LEU:CA	1:29:A:LEU:C	1:30:A:ASN:N	14	1.58
(1,312)	1:87:B:ASN:N	1:87:B:ASN:CA	1:87:B:ASN:C	1:88:B:GLU:N	4	1.54
(1,208)	1:29:B:LEU:N	1:29:B:LEU:CA	1:29:B:LEU:C	1:30:B:ASN:N	15	1.54
(1,72)	1:41:A:GLU:N	1:41:A:GLU:CA	1:41:A:GLU:C	1:42:A:LEU:N	15	1.54
(1,232)	1:41:B:GLU:N	1:41:B:GLU:CA	1:41:B:GLU:C	1:42:B:LEU:N	12	1.53
(1,239)	1:45:B:PHE:C	1:46:B:LEU:N	1:46:B:LEU:CA	1:46:B:LEU:C	4	1.52
(1,117)	1:69:A:GLU:C	1:70:A:VAL:N	1:70:A:VAL:CA	1:70:A:VAL:C	4	1.52
(1,107)	1:63:A:ASP:C	1:64:A:SER:N	1:64:A:SER:CA	1:64:A:SER:C	12	1.52
(1,78)	1:45:A:PHE:N	1:45:A:PHE:CA	1:45:A:PHE:C	1:46:A:LEU:N	10	1.52
(1,267)	1:63:B:ASP:C	1:64:B:SER:N	1:64:B:SER:CA	1:64:B:SER:C	12	1.51

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,202)	1:23:B:GLU:N	1:23:B:GLU:CA	1:23:B:GLU:C	1:24:B:GLY:N	20	1.5
(1,232)	1:41:B:GLU:N	1:41:B:GLU:CA	1:41:B:GLU:C	1:42:B:LEU:N	2	1.49
(1,164)	1:4:B:PRO:N	1:4:B:PRO:CA	1:4:B:PRO:C	1:5:B:LEU:N	17	1.48
(1,116)	1:69:A:GLU:N	1:69:A:GLU:CA	1:69:A:GLU:C	1:70:A:VAL:N	14	1.48
(1,79)	1:45:A:PHE:C	1:46:A:LEU:N	1:46:A:LEU:CA	1:46:A:LEU:C	11	1.48
(1,72)	1:41:A:GLU:N	1:41:A:GLU:CA	1:41:A:GLU:C	1:42:A:LEU:N	2	1.48
(1,79)	1:45:A:PHE:C	1:46:A:LEU:N	1:46:A:LEU:CA	1:46:A:LEU:C	4	1.47
(1,243)	1:47:B:GLY:C	1:48:B:LYS:N	1:48:B:LYS:CA	1:48:B:LYS:C	20	1.46
(1,239)	1:45:B:PHE:C	1:46:B:LEU:N	1:46:B:LEU:CA	1:46:B:LEU:C	11	1.45
(1,152)	1:87:A:ASN:N	1:87:A:ASN:CA	1:87:A:ASN:C	1:88:A:GLU:N	4	1.44
(1,272)	1:66:B:ARG:N	1:66:B:ARG:CA	1:66:B:ARG:C	1:67:B:ASP:N	20	1.43
(1,48)	1:29:A:LEU:N	1:29:A:LEU:CA	1:29:A:LEU:C	1:30:A:ASN:N	15	1.43
(1,276)	1:69:B:GLU:N	1:69:B:GLU:CA	1:69:B:GLU:C	1:70:B:VAL:N	14	1.39
(1,238)	1:45:B:PHE:N	1:45:B:PHE:CA	1:45:B:PHE:C	1:46:B:LEU:N	10	1.39
(1,170)	1:7:B:LYS:N	1:7:B:LYS:CA	1:7:B:LYS:C	1:8:B:ALA:N	5	1.39
(1,276)	1:69:B:GLU:N	1:69:B:GLU:CA	1:69:B:GLU:C	1:70:B:VAL:N	19	1.38
(1,262)	1:60:B:SER:N	1:60:B:SER:CA	1:60:B:SER:C	1:61:B:ASN:N	9	1.37
(1,46)	1:28:A:LYS:N	1:28:A:LYS:CA	1:28:A:LYS:C	1:29:A:LEU:N	12	1.37
(1,244)	1:48:B:LYS:N	1:48:B:LYS:CA	1:48:B:LYS:C	1:49:B:ARG:N	2	1.36
(1,79)	1:45:A:PHE:C	1:46:A:LEU:N	1:46:A:LEU:CA	1:46:A:LEU:C	14	1.36
(1,277)	1:69:B:GLU:C	1:70:B:VAL:N	1:70:B:VAL:CA	1:70:B:VAL:C	4	1.35
(1,208)	1:29:B:LEU:N	1:29:B:LEU:CA	1:29:B:LEU:C	1:30:B:ASN:N	3	1.35
(1,42)	1:23:A:GLU:N	1:23:A:GLU:CA	1:23:A:GLU:C	1:24:A:GLY:N	13	1.35
(1,116)	1:69:A:GLU:N	1:69:A:GLU:CA	1:69:A:GLU:C	1:70:A:VAL:N	19	1.34
(1,35)	1:19:A:TYR:C	1:20:A:SER:N	1:20:A:SER:CA	1:20:A:SER:C	20	1.33
(1,206)	1:28:B:LYS:N	1:28:B:LYS:CA	1:28:B:LYS:C	1:29:B:LEU:N	12	1.32
(1,112)	1:66:A:ARG:N	1:66:A:ARG:CA	1:66:A:ARG:C	1:67:A:ASP:N	20	1.32
(1,48)	1:29:A:LEU:N	1:29:A:LEU:CA	1:29:A:LEU:C	1:30:A:ASN:N	3	1.32
(1,216)	1:33:B:GLU:N	1:33:B:GLU:CA	1:33:B:GLU:C	1:34:B:LEU:N	10	1.31
(1,108)	1:64:A:SER:N	1:64:A:SER:CA	1:64:A:SER:C	1:65:A:ASN:N	7	1.31
(1,42)	1:23:A:GLU:N	1:23:A:GLU:CA	1:23:A:GLU:C	1:24:A:GLY:N	20	1.31
(1,10)	1:7:A:LYS:N	1:7:A:LYS:CA	1:7:A:LYS:C	1:8:A:ALA:N	5	1.29
(1,260)	1:59:B:MET:N	1:59:B:MET:CA	1:59:B:MET:C	1:60:B:SER:N	17	1.28
(1,195)	1:19:B:TYR:C	1:20:B:SER:N	1:20:B:SER:CA	1:20:B:SER:C	20	1.28
(1,151)	1:86:A:SER:C	1:87:A:ASN:N	1:87:A:ASN:CA	1:87:A:ASN:C	16	1.28
(1,239)	1:45:B:PHE:C	1:46:B:LEU:N	1:46:B:LEU:CA	1:46:B:LEU:C	14	1.26
(1,102)	1:60:A:SER:N	1:60:A:SER:CA	1:60:A:SER:C	1:61:A:ASN:N	9	1.26
(1,267)	1:63:B:ASP:C	1:64:B:SER:N	1:64:B:SER:CA	1:64:B:SER:C	19	1.25
(1,107)	1:63:A:ASP:C	1:64:A:SER:N	1:64:A:SER:CA	1:64:A:SER:C	7	1.25
(1,163)	1:3:B:SER:C	1:4:B:PRO:N	1:4:B:PRO:CA	1:4:B:PRO:C	11	1.24
(1,287)	1:74:B:GLU:C	1:75:B:TYR:N	1:75:B:TYR:CA	1:75:B:TYR:C	14	1.23
(1,84)	1:48:A:LYS:N	1:48:A:LYS:CA	1:48:A:LYS:C	1:49:A:ARG:N	2	1.22
(1,107)	1:63:A:ASP:C	1:64:A:SER:N	1:64:A:SER:CA	1:64:A:SER:C	1	1.21
(1,311)	1:86:B:SER:C	1:87:B:ASN:N	1:87:B:ASN:CA	1:87:B:ASN:C	16	1.2
(1,84)	1:48:A:LYS:N	1:48:A:LYS:CA	1:48:A:LYS:C	1:49:A:ARG:N	7	1.19
(1,42)	1:23:A:GLU:N	1:23:A:GLU:CA	1:23:A:GLU:C	1:24:A:GLY:N	19	1.19
(1,239)	1:45:B:PHE:C	1:46:B:LEU:N	1:46:B:LEU:CA	1:46:B:LEU:C	2	1.18
(1,100)	1:59:A:MET:N	1:59:A:MET:CA	1:59:A:MET:C	1:60:A:SER:N	17	1.18
(1,262)	1:60:B:SER:N	1:60:B:SER:CA	1:60:B:SER:C	1:61:B:ASN:N	16	1.17
(1,3)	1:3:A:SER:C	1:4:A:PRO:N	1:4:A:PRO:CA	1:4:A:PRO:C	11	1.17
(1,163)	1:3:B:SER:C	1:4:B:PRO:N	1:4:B:PRO:CA	1:4:B:PRO:C	17	1.16

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,3)	1:3:A:SER:C	1:4:A:PRO:N	1:4:A:PRO:CA	1:4:A:PRO:C	16	1.16
(1,232)	1:41:B:GLU:N	1:41:B:GLU:CA	1:41:B:GLU:C	1:42:B:LEU:N	18	1.14
(1,127)	1:74:A:GLU:C	1:75:A:TYR:N	1:75:A:TYR:CA	1:75:A:TYR:C	14	1.14
(1,56)	1:33:A:GLU:N	1:33:A:GLU:CA	1:33:A:GLU:C	1:34:A:LEU:N	10	1.14
(1,12)	1:8:A:ALA:N	1:8:A:ALA:CA	1:8:A:ALA:C	1:9:A:LEU:N	11	1.14
(1,202)	1:23:B:GLU:N	1:23:B:GLU:CA	1:23:B:GLU:C	1:24:B:GLY:N	13	1.13
(1,202)	1:23:B:GLU:N	1:23:B:GLU:CA	1:23:B:GLU:C	1:24:B:GLY:N	19	1.12
(1,267)	1:63:B:ASP:C	1:64:B:SER:N	1:64:B:SER:CA	1:64:B:SER:C	1	1.11
(1,244)	1:48:B:LYS:N	1:48:B:LYS:CA	1:48:B:LYS:C	1:49:B:ARG:N	7	1.11
(1,220)	1:35:B:LYS:N	1:35:B:LYS:CA	1:35:B:LYS:C	1:36:B:GLU:N	16	1.09
(1,206)	1:28:B:LYS:N	1:28:B:LYS:CA	1:28:B:LYS:C	1:29:B:LEU:N	6	1.09
(1,208)	1:29:B:LEU:N	1:29:B:LEU:CA	1:29:B:LEU:C	1:30:B:ASN:N	2	1.08
(1,60)	1:35:A:LYS:N	1:35:A:LYS:CA	1:35:A:LYS:C	1:36:A:GLU:N	16	1.08
(1,38)	1:21:A:GLY:N	1:21:A:GLY:CA	1:21:A:GLY:C	1:22:A:LYS:N	14	1.08
(1,28)	1:16:A:PHE:N	1:16:A:PHE:CA	1:16:A:PHE:C	1:17:A:HIS:N	13	1.08
(1,28)	1:16:A:PHE:N	1:16:A:PHE:CA	1:16:A:PHE:C	1:17:A:HIS:N	16	1.07
(1,102)	1:60:A:SER:N	1:60:A:SER:CA	1:60:A:SER:C	1:61:A:ASN:N	16	1.06
(1,79)	1:45:A:PHE:C	1:46:A:LEU:N	1:46:A:LEU:CA	1:46:A:LEU:C	2	1.06
(1,72)	1:41:A:GLU:N	1:41:A:GLU:CA	1:41:A:GLU:C	1:42:A:LEU:N	18	1.06
(1,311)	1:86:B:SER:C	1:87:B:ASN:N	1:87:B:ASN:CA	1:87:B:ASN:C	20	1.05
(1,200)	1:22:B:LYS:N	1:22:B:LYS:CA	1:22:B:LYS:C	1:23:B:GLU:N	14	1.05
(1,172)	1:8:B:ALA:N	1:8:B:ALA:CA	1:8:B:ALA:C	1:9:B:LEU:N	11	1.05
(1,163)	1:3:B:SER:C	1:4:B:PRO:N	1:4:B:PRO:CA	1:4:B:PRO:C	16	1.05
(1,48)	1:29:A:LEU:N	1:29:A:LEU:CA	1:29:A:LEU:C	1:30:A:ASN:N	2	1.05
(1,262)	1:60:B:SER:N	1:60:B:SER:CA	1:60:B:SER:C	1:61:B:ASN:N	20	1.04
(1,102)	1:60:A:SER:N	1:60:A:SER:CA	1:60:A:SER:C	1:61:A:ASN:N	15	1.03
(1,188)	1:16:B:PHE:N	1:16:B:PHE:CA	1:16:B:PHE:C	1:17:B:HIS:N	16	1.02
(1,102)	1:60:A:SER:N	1:60:A:SER:CA	1:60:A:SER:C	1:61:A:ASN:N	14	1.02
(1,260)	1:59:B:MET:N	1:59:B:MET:CA	1:59:B:MET:C	1:60:B:SER:N	6	1.01
(1,260)	1:59:B:MET:N	1:59:B:MET:CA	1:59:B:MET:C	1:60:B:SER:N	16	1.01
(1,152)	1:87:A:ASN:N	1:87:A:ASN:CA	1:87:A:ASN:C	1:88:A:GLU:N	3	1.01
(1,3)	1:3:A:SER:C	1:4:A:PRO:N	1:4:A:PRO:CA	1:4:A:PRO:C	17	1.01